Ms-189SR-110, Table T1. Semiquantitative stratigraphic distribution of calcareous nannofossils, Hole 1168A.

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	Amaurolithus amplificus	Amaurolithus delicatus	Amaurolithus ninae	Amaurolithus primus	Amaurolithus tricorniculatus	Calcidiscus fuscus	Calcidiscus kingii	Calcidiscus leptoporus	Calcidiscus macintyrei	Calcidiscus premacintyrei	Calcidiscus radiatus	Calcidiscus tropicus	Catinaster coalitus	Clausicoccus obrutus	Coccolithus miopelagicus	Coccolithus pelagicus	Coccolithus pelagicus >12 µm	Coronocyclus nitescens	Cryptococcolithus mediaperforatus	Cyclicargolithus abisectus	Cyclicargolithus floridanus	Discoaster berggrenii	Discoaster brouweri	Discoaster challengeri	Discoaster deflandrei	Discoaster exilis	Discoaster extensus	Discoaster intercalaris	Discoaster loeblichii	Discoaster mendomobensis	Discoaster petaliformis	Discoaster spp. (5 ray)	Discoaster spp. (6 ray)	Discoaster surculus	Discoaster variabilis	Ericsonia detecta	Geminilithella rotula	Helicosphaera ampliaperta	Helicosphaera carteri	Helicosphaera elongata	Helicosphaera euphratis	Helicosphaera granulata	Helicosphaera obliqua	Helicosphaera paleocarteri	Helicosphaera perch-nielsenae	Helicosphaera scissura	Helicosphaera sellii	Helicosphaera spp.	Hughesius gizoensis	Hughesius tasmaniae	Minylitha convallis	Pontosphaera anisotrema	Pontosphaera desueta	Pontosphaera multipora	Pontosphaera spp.	Pyrocyclus hermosus	Pyrocyclus orangensis	Reticulofenestra bisecta filewiczii	Reticulofenestra gelida	Reticulofenestra haqii	Reticulofenestra lockeri	Reticulofenestra minuta	Reticulofenestra minutula	Reticulofenestra perplexa	Reticulofenestra producta	Reticulofenestra pseudoumbilicus	Reticulofenestra stavensis	Rhabdosphaera procera	Sphenolithus abies	Sphenolithus belemnos	Sphenolithus ciperoensis	Sphenolithus compactus	Sphenolithus conicus	Sphenolithus disbelemnos	Sphenolithus dissimilis	Sphenolithus heteromorphus	Sphenolithus moriformis	Sphenolithus moriformis <6 µm	Syracosphaera spp.	Tetralithoides symeonidesii	Triquetrorhabdulus auritus	Triquetrorhabdulus carinatus	Triquetrorhabdulus challengeri	Triquetrorhabdulus farnsworthii	Triquetrorhabdulus rugosus	Umbilicosphaera jafari	Umbilicosphaera spp.
Pliocene	Early	CN10	189-1168A- 10H-1, 15–16	83.45	M	A								1	1							1																1	1														1							1													1		1																			
			10H-2, 15–16	84.95	M	A								13	4							10																	1						5								1									2			22	68		61	61		9	41		1	1																1		
			10H-3, 15–16	86.45	M	A	1	1						23	6							4												1					1						8												2			1	2			52	18		34	48		51	52												1							1	1	2
			10H-4, 15–16	87.95	M	A								17	3							8																	1						2															1	2			86	21		31	62		34	38										1			1								1
			10H-5, 15–16	89.45	M	A		1						45	1							16																1	1		1				5												1				2			43	9		28	58		35	58		1																	1		1
			10H-6, 15–16	90.95	M	A								35	6							1																			1				1																1			85	27		20	73		32	32																			1	1	
			10H-7, 15–16	92.45	M	A		1						27	6							4								2				1					2	1	1				3												1				3			72	13		37	53		48	37																			1	1	
			11H-1, 15–16	92.95	M	A		1						21	2							2						1						1					1	1	1				2												1			1	2			20	40		123	45	1	16	28													1						1		
			11H-2, 15–16	94.45	M	A								62	6							2												1							1				3																			59	9		4	76		73	6																			1	1	
			11H-3, 15–16	95.95	M	A								35	5							4						1					1	1				1	3						3																1			32	18			104		75	25																			1		
		CN9b	11H-4, 15–16	97.45	M	A		1		1				39	2							11			2					1				2				1	1		1												1								1			66	10		41	59		68	4																			1		
			11H-5, 15–16	98.95	M	A								9	1							6												1					1						1																1	1			75	18		60	34		89	6																			1		
			11H-6, 15–16	100.45	M	A		2			1			55	1		2					2								1											1		2		2																				55	20		72	35		41	7		1	1																1		
			11H-7, 15–16	101.95	M	A		1						40	3							2												2		1		1	2		2				6																				96	8		38	28	1	77	6		1																			
			12H-1, 15–16	102.45	M	A		2						34	11							8		*1*										1					1		1				4																1			69			41	108		15	5			1																1		
			12H-2, 15–16	103.95	M	A								42	7							19												1				1	1		1		2		2																1			92			21	98	1	14			1																	1		
			12H-3, 15–16	105.45	M	A		3	1	1	1			32	5							31		*1*														1	2		1		2		2																2			93	1		43	54	1	34	2																			1		
			12H-4, 15–16	106.95	M	A				1				22	4							36		*1*										1					1		1																					2		105	7		33	68	2	14	2																			1		
			12H-5, 15–16	108.45	M	A				1				9	8							29												1							1		1		2																			152	3		7	33	2	47	3																			1		
			12H-6, 15–16	109.95	M	A				1	1			20	1							31												1					2		1																							105	4		14	58	2	59	1																					
			12H-7, 15–16	111.45	M	A								30	5							108								1				1					5		1		1		4																1			80	5		2	41	9	2				1									4							2		
			13X-1, 15–16	111.95	M	A								65	10			1				169		*1*	4										1				8		1				13																1				5	2		2	12	1	1				2									1							1		
			13X-2, 15–16	113.45	M	A								48	4			1				137			1										1				7		4	1			6																			23	13		5	22	19		5			3									1							1		
			13X-3, 15–16	114.95	M	A								20	11							83			1				1	1								1	9				1		3																1			95	7		4	10	45	2	1												1							3		
			14X-1, 15–16	118.65	M	A								59	10	1						115			2														12						2																1			55				4	23	1	10												6							1		
	late	CN8b–CN9a	14X-2, 15–16	120.15	M	A								50	7			1				70			9					1								2	16				1		1										2								1			61	1		4	4	46	7	5			2									9							1		
			14X-3, 15–16	121.65	M	A								41	8			5				48			5					1				1				3	8				3		2																1			42	1		30	24	36	28	10			1									2							1		
			14X-4, 15–16	123.15	M	A								25	1			2				86			2														4						1																			38	5		17	76	15	12	11			3									1							1		
			14X-5, 15–16	124.65	M	A								23	9			2				58			1													2	4				1		3																1			15			11	17	128	15				1									8							1		
			15X-1, 15–16	128.25	M	A								41	2							32			1																				1			2														2			51	1			44	92	21	3			1									5							1		
			15X-2, 15–16	129.75	M	A								13	9			3				93																	2		1		1		1			2										2					2			65				19	77		4			1									5							1		
			15X-3, 15–16	131.25	M	A								3	3			4				30																	2		1		1															2								94	4			83	49	5	10						8						2									
			15X-4, 15–16	132.45	M	A								9	1			1				63																1	1				2		2													1					3			92	2			56	49	4	5						6						1							1		
			16X-1, 15–16	137.85	M	A								12	3			1				49																							3													1					2			147				27	32	1	12						6					4	5							1		
			16X-2, 15–16	139.35	M	A						1		20	2			1				44																	1				2		1													1					4			117	4			58	32		3						15						7							2		
			16X-3, 15–16	140.85	M	A								27	2			5				70			1													1	1				1		4			1															2			93				49	31	11	1						10						1							2		
		CN8a	16X-4, 15–16	142.35	M	A								28	4			3				68			2																				2													1					4			99				38	21	1	13						28					1								1		
			16X-5, 90–91	143.85	M	A								32	4		1	2				24		*1*	5														2						1			1										1					2			88	3			86	33	3	5						11					1								2		
			16X-6, 15–16	144.50	M	A								23	2			7				29		*1*	1																	2	1															1					2			75	2			69	98		6						20					2								2		
			17X-1, 15–16	147.45	M	A								20	3			1				11			2																				1										1											80	2			83	63	12	4						23					3	1							2		
			17X-2, 15–16	148.95	M	A								24	5			5				19			1																																	1					1			109				50	80		7						8					1								2		
			17X-3, 15–16	150.45	M	A						1		17	8	*2*		1				10																	1			1																1					2	11		127				79	32		4						9						2							2		
			17X-4, 15–16	151.95	M	A								13	4			5				19										1							1			1			4													1					3			106	8			74	45		11						2					2	3							2		
			17X-5, 15–16	153.45	M	A								28	4		2	4				15																	1																								2			122	3			73	37		5						1						7							2		
			18X-1, 15–16	157.05	M	A								7	6			2				19																	1			1	1		2																		2			59	5			83	95		10						9													1		
			18X-2, 15–16	158.55	M	A								4	7			5				34	2																			2																					2			85				87	61		14						1								1							
			18X-3, 15–16	160.05	M	A								6	5		1	1				14			1														1			1	3																							140	2			64	44		9						8					1	4							1		
			18X-4, 15–16	161.55	M	A								10	7			1			1	23			3																	1			1																		1			120	1		5	61	57		11						7													1		
			18X-5, 15–16	163.05	M	A								13	3							15	1		1														1				1		2																					92	5			113	47		4						7						2							1		
			18X-6, 15–16	164.25	M	A								6	3			1				17		*1*								1							2						1																		2			124	4			72	53		15						2													1		
			19X-1, 15–16	166.65	M	A								14	4			3	1			27			2							1							2						2																		1			74	6			68	84		12						3													2		
			19X-2, 15–16	168.15	M	A								12	5			2				27										1							1																											91	16			91	45		7						6													1		
			19X-3, 15–16	169.65	M	A								22	5			6				16	1		1							1							1				1		1							*1*											3			114				86	41		3						1													1		
		CN6–CN7	19X-4, 15–16	171.15	M	A								15	11			1				22																1	1																								2			152				34	50		9						5													1	1	
			19X-5, 15–16	172.65	M	A								10	8		3	4				33		*1*	1							1						1					1																				2			101	5		2	34	74		18						5													1		
			19X-6, 15–16	174.15	M	A								7	7			3				16		*1*															1				1																				1			84	3			71	105		4						3													1		
			20X-1, 15–16	176.25	M	A								5	6			3				11	1															1	2				2		2																		1			110	1			58	94		5						1						1							1		
			20X-2, 15–16	177.75	M	A								9	7			1				22	1		2														1			1			1																		3			96	2			89	61		7																			1		
			20X-3, 15–16	179.25	M	A								12	3			3				15			1							1							1				2		1																		2			74	8			79	70		28						2													1		
			20X-4, 15–16	180.75	M	A								2	6		1					29									*1*	1							1																								3			85	5			88	57		23						2													1		
			20X-5, 15–16	182.25	M	A								13	7			2				9																																									2			92	5			51	88		34						2													2		
			20X-6, 15–16	183.75	M	A								4	9			4			1	31	2		2													1	2																								1			93	1			90	41		18						4													1		
			21X-1, 15–16	185.85	M	A						1		6	6		1	5				24	1		2														1																								4			83	21			117	15		12						4													1		
			21X-2, 15–16	187.35	M	A						1		6	7	*1*		3			1	38			2														1				1		1																					69	7			89	48		22						5													2		
			21X-3, 15–16	188.85	M	A								7	9			3				22	1		1														1				2		3																		1			125				59	38		23						7					1								2		
		CN5b	21X-4, 15–16	190.35	M	A								3	7			5			1	38	1																1																								2			131	14			42	34		22						4													1		
			21X-5, 15–16	191.85	M	A								12	5			1			1	26	5		1														1						1																		1			148	8			59	14		14						12						1							2		
			21X-6, 15–16	193.35	M	A								16	5	*1*	1	4				21	6		2														1				2																				1			107	5			58	44		17						14													1		
			22X-1, 15–16	195.55	M	A								7	4			3				29	3																1				2																				1			93	3			50	79		21						11													1		
			22X-2, 15–16	197.05	M	A								16	13			2				32	6		3														2				2		1																		4			94	12			53	15		38						11													1		
			22X-3, 15–16	198.55	M	A						1		13	7	*1*	1	1			1	58	5		4		2												1				4		4										1								4			102	13			45	16		18						3													3		
			22X-4, 15–16	200.05	M	A								5	5	*1*		1			1	65	4				1											1	3				1		2																		2			104	2			43	22		39						5													2		
			22X-5, 15–16	201.55	M	A								8	8			5			1	42	1		1		5												2				3		5																					66	5			65	34		48						5					8								2		
			22X-6, 15–16	203.05	M	A								8	12		1					76	1		1		2												2				1		3											1							2			42	16		8	51	13		62						6													1		
			22X-7, 15–16	204.55	M	A								6	10							60			1		4												1						5										1								2			46	2		73	40	17		21						9					3								3		
			23X-1, 15–16	205.15	M	A						1		1							2	61					7												2				1		4																			1		84	6		10	83	21		9						9					4								1		
			23X-2, 15–16	206.65	M	A								8	10			2				63					5				*1*								2				5		2																		1			123				29	12		39						1													2		
			23X-3, 15–16	208.15	M	A						1		9	6			4			1	22	6				5																2		1																		1			70	16		6	73	11		63						2					2								2		
			23X-4, 15–16	209.65	M	A						1		5	10			2				29	3	1			1												2				2		1																		3			93	6		3	54	14		73						2													1		
			23X-5, 15–16	211.15	M	A								5	4			1				34	1	1			8												1				1		1							*1*											2			109	1			56	19		41						8					5								1		
Miocene			23X-6, 15–16	212.65	M	A								10	13			2				29					3												2				2		2																					79	14			54	37		51						5													1	1	
			23X-7, 15–16	214.15	M	A						1		14	15			1				37					2												3		1		6		3							*2*											5			83	18			34	46		33						1													1	1	
			24X-1, 15–16	214.75	M	A								10	6			4				44			3		7												4				7		3																		1			37	18			52	75		27						2													1		
			24X-2, 15–16	216.25	M	A								12	2							56			1		4												3				4		2																		1			94	3		2	26	53		32						2					2								3	1	
		CN5a	24X-3, 15–16	217.75	M	A						1		10	5						1	100	1	1			3												1				1		4																		1			83	1			32	42		13						2					4										
			24X-4, 15–16	219.25	M	A								3	9			3			2	89	2				6					1							1				2		2																		1	1		100	1		1	27	42		15																			1		
			24X-5, 15–16	220.75	M	A								16	10			3				32	1	1			2												2						1																		1			81	6		2	38	60		44						1					2								1		
			24X-6, 15–16	222.25	M	A								12	4	1						53	1			2	2												1				4		1																		3		*1*	98	3		4	55	26		29											1								1	1	
			24X-7, 15–16	223.75	M	A						1		5	8	5		3				59	1			1	1												2				5																				3			79	17			31	55		24						6					3							1	1		
	middle		25X-1, 15–16	224.35	M	A								11	7	1						42	1				2												1						3																		3			100	19			41	38		30						4													1		
			25X-2, 15–16	225.85	M	A								12	12	1		1				53	1				1												3				1		1																		3			75	18			20	76		29											1									1	
			25X-3, 15–16	227.35	M	A						2		7	5							31					3					1							4				8		1																		3			73	11			39	49		62						2					4								1		
			25X-4, 15–16	228.85	M	A								17	8	1		2				40					4											1	3				6																							54	9			19	77		52						4					8								1		
			25X-5, 15–16	230.35	M	A								8	5	2		1				51					2					1							2				2																				2			63	7			23	99		38											1								1		
			25X-6, 15–16	231.85	M	A								15	3			1				81					1												2				3							1													1			62	2			9	64		52						7													1		
			26X-1, 15–16	233.95	M	A								20	3	1		3				76		1			3					1							2		1		1							2													1			75	6		3	53	16		41						3					2										
			26X-2, 15–16	235.45	M	A						2		27	13		1	2				35	2	1			7												2				9							2		2											3			58	17		2	42	43		35						2					1										
			26X-3, 15–16	236.95	M	A						1		12	2	1		6			2	113	4	1		2	11					1							2											1				1									7			57	9		1	10	35		29						3					3										
			26X-4, 15–16	238.45	M	A								21	3	3		2		1	1	76	5			4	32												7											3		1												3		53	5			38	15		30						3					2								1	1	
			26X-5, 15–16	239.95	M	A						1		23		2		3			2	55	1			5	12												2				2							2				1		1							1			39	12		4	70	11		46						4					8								1		
			26X-6, 15–16	241.45	M	A								19		2		3		1	1	63	2			1	26												2				12							6														1		28	22	1		61	24		18						4					6	1							1		
			26X-7, 15–16	242.95	M	A								22	1	6		3				36		1		3	15					1									1		10							6	1												2			57	22			51	8		56						3				1	2										
			27X-1, 15–16	243.55	M	A								3	1	10						57		1		8	29												3				10							5	3													1		24	22		8	52	25		37						1	1		1	2	2								1	1	
			27X-2, 15–16	245.05	M	A								23		12		1				60				7	48					1							15			1	2							4	1													2		3	42		1	60	5		5						3	2			3	5										
			27X-3, 15–16	246.55	M	A								20		10						64				10	70												6				6							5				1										2		1	34		4	39	2		8						8		1		5	5	3							1		
			27X-4, 15–16	248.05	M	A								3		3						105				10	56												2				7							2														2			22		1	72	5		3						8				1		2									
			27X-5, 15–16	249.55	M	A								8		19						55	14			5	35					1							6				9							1																	31		5	104									11				1									1		
			27X-6, 15–16	251.05	M	A								10		7						114				9	52												10				5							2														2		2	8		1	75									3				1	2										
			27X-7, 15–16	252.55	M	A								2		9		2		1		87	1			9	58											2	11				6							1		1												3		1	17		4	79									5					3								1		
			28X-1, 15–16	253.15	M	A								4		5					1	57	1			5	46												6				9							4		3												4		2	40		2	105									3	1			2	2								1		
			28X-2, 15–16	254.65	M	A								1		2		1			1	42	1			8	37											1	3				1							1														1	*1*		41		1	149									9				1	1										
			28X-3, 15–16	256.07	M	A								5		5					2	86	2			4	36											1	12			1	3							2														1			27		8	96									8				1										2	
			28X-4, 15–16	257.57	M	A						1		8	2	10		2				70	2	2		2	45					1							4				7							4																	51		2	74									10					1									3	
			28X-5, 15–16	259.07	M	A							1	5		7						41				3	42					1							6				4						1	3												1	2			37		17	126									4				3											
			29X-1, 15–16	262.75	M	A								6		4						56		1		7	13												5			1	3							3														2			29		35	135									1						1									
			29X-2, 15–16	264.25	M	A								7		6					1	24	1		1	5	9												2				2							1		1												1			26		32	181									2					4										
			29X-3, 15–16	265.75	M	A								5		7						25		1		6	12				1								4				3							3		1												3			38		57	137														1									3	
		CN3–CN4	29X-4, 15–16	267.25	M	A								6		7		1			3	46		1		5	35				1								1				1							8		2												3			24		38	117									1				1	5										
			29X-5, 15–16	268.75	M	A								3		7		3			3	48				8	56				1								4				2			1			4											1			2			19		25	120														9										
			29X-6, 15–16	270.25	M	A								4		20		2				30				6	10				1						1	2	2				5	1						7		3									1						29		40	139														2										
			29X-7, 15–16	271.75	M	A								7		17						40		5		5	49				10	5							5					1						1														4			25		7	122													1	3									1	
			30X-1, 15–16	272.35	M	A								3		6		4				71				12	25												5											2										1		1	1			15		17	140													1	4	1									
			30X-2, 15–16	273.85	M	A						3		6		7		3				32		1		8	29				1								6			5	1				2		3	8		1								3			1			16		48	118									1				1	6										
			30X-3, 15–16	275.35	M	A								1		1		2				35				5	15				4								6											1																	19		13	199													1	4										
			30X-4, 15–16	276.85	M	A								2				1				37				4	55				4								13				2																								23		16	136									2				8	9										
			30X-5, 15–16	278.35	M	A								3		1		3				58		1		1	30				19								1							1			2											1			2			23		9	152													8	1										
			30X-6, 15–16	279.85	M	A						1		4		1		9				84				9	56				8								9											4		4											2			11		4	96													2	8										
			30X-7, 15–16	280.85	M	A						1		2				4				41				16	107				12								7				5						1	10		1											2			11		8	66													4	11									1	
			31X-1, 15–16	281.95	M	A								1				5		1		55				11	108				5								4				2			1			8											3						20		31	45									1				3	6	2									
			31X-2, 15–16	283.45	M	A						1		2				2				62		2		26	97				2								6				1							8											1			1			10		3	65									4				5	5										
			31X-3, 15–16	284.95	M	A								3				2				51		1		15	35												3				2							3														2			27		12	144									1				1	5										
			31X-4, 15–16	286.45	M	A								2								60				11	27				1								6											2											1			1			18		4	166									2				3	6										
			31X-5, 15–16	287.95	M	A								2								39				4	23				2								4				3							3											1		1	2			21		33	161													1	5										
			31X-6, 15–16	289.45	M	A								4								19				5	32				1								1											3	2												3	2			26		3	197														3										
			31X-7, 15–16	290.95	M	A								4								15				6	72				1																	1	4							1						1	4			52		49	91										2				5										
			32X-1, 15–16	291.55	M	A								1				2				37		1		4	36				4								4				3							2							2										35		6	163										5			3	4										
			32X-2, 15–16	293.05	M	A								3				2				100				5	29				2							1	10				2							4											2						50		18	67									2	4			2	4	1									
			32X-3, 15–16	294.55	M	A								1								54		1		11	41				3								2				3			1				2											1		1	5			39		41	102									1					2										
			32X-4, 15–16	296.05	M	A						1		1								31		1		13	29				3								3			1	2							3	1													2			57		40	102									8			4		3										
			32X-5, 15–16	297.55	M	A															1	33				7	68				2								3							1																					25		8	145									2	4				8										
			32X-6, 15–16	299.05	M	A								2				1				31		1		2	26				4								6				1							6														5			19		75	112									1		1	1		11	1									
			32X-7, 15–16	300.05	M	A								1						1	1	35	2			10	34				4								3				1			2			7							2				1							25		56	108								1		2					15										
			33X-1, 15–16	300.85	M	A														11		7		1		3	23				2								2			1	4							2	1	1															23		154	44								4				1	1		15				2					4	
			33X-2, 15–16	302.35	M	A								5				1		5		40				6	19				5								5				6			2			3							3				2		2	3			36		45	110								1		3		2			8									1	
		CN2	33X-3, 15–16	303.85	M	A												1				30				8	25				3								3				2			1			3							5				2		1	1			31		84	101								1				1	1		7				1					1	
			33X-4, 15–16	305.35	M	A								5				1				34				10	19												1				7			2			4							12				3		1	1			14		112	80								3		1	1	2	3		7									2	
			33X-5, 90–91	306.85	M	A																47				21	47												10				2						3							3							3			32		92	38								1		4			3		2										
			33X-6, 90–91	308.35	M	A								2								23				2	31				3								8				3													1				1		1	1			81		15	128								1		4			1		1										
			34X-1, 15–16	310.15	M	A						1		2				1				40				2	20				2								6				1					1	5					2	1				2		1	2			17		113	73								2		5					3										
			34X-2, 15–16	311.65	M	A						1		1				1				15		1		8	20				6								2			2	2							9					1	2		1		1			1			24		139	59									1		2	2		4									1	
			34X-3, 15–16	313.15	M	A												1				24				2	23				11								14				3						2	1	1	1			6	2		1		3		1	1			44		50	110								1		5		1	1		6									1	
			34X-4, 15–16	314.65	M	A						2		5				5				38				6	23				5							1	6				4							6						2				2		1				43		59	89									2		2	1		5										
			34X-5, 15–16	316.15	M	A								2				4				37				2	15				3								1				2			2									1	6		1								80		54	74								4		1	4		15										
			34X-6, 15–16	317.65	M	A								3								40	1			6	3				9							1	3				3							2	1				1			1		2		1				45		126	50								1	5			1		3				1					1	
			35X-1, 15–16	319.75	M	A						2		2	1			1				48				5	13				3								4											3						4				1						36		110	70									2			1		2									1	
			35X-2, 15–16	321.25	M	A								1				1				18		1		3	4				5								7											1					2	2										36		109	113												2		3									3	
			35X-3, 15–16	322.75	M	A																5		1		1	9				7								8			1												1	2	1						1	3			7		47	193									1			1		6										
			35X-4, 15–16	324.25	M	A						4		2								19		1		3	5				2								3				3			2		1	1				2		3				1		2	2			30		69	128									7			2		10									2	
			35X-5, 15–16	325.75	M	A								1							1	54	3	2			7				5								3							1			2		1				5				9		2				31		54	97									8	1		2		9									6	
			35X-6, 15–16	327.25	M	A									1							43		1		1	17				1															1			1				1		2				3		1	2			14		86	113					2				8	1		3		5	1									
			36X-1, 15–16	329.35	M	A								1							2	39	5			1	8				3								2							6			2	1					1				1		1	1			3		92	92									5			2		6					1					
			36X-2, 15–16	330.85	M	A						1		1								32	1	3		4	12				4								1										2	2					3				3		1	1	14		23		83	102									3			2		6	1				1					
	early		36X-3, 15–16	332.35	M	A																77				4	104				5							1	7							1		1			1			3	3				1			3	6		8		41	17									14		1			6	1									
			36X-4, 15–16	333.85	M	A						1	1					2				44	1	1		3	89				6								5							2			2	1					6				2		3	3	1		6		78	32									6			3		3				1	1					
			36X-5, 15–16	335.35	M	A																36		2		6	39				2															1		2	9	1	1		1						7		1	1	10		13		122	42									2			2						1	1				1	
			36X-6, 15–16	336.85	M	A							1	3								56	4	4		2	82				4								6									6	3	1					1				7		1		13		3		60	21					1				1			10		1	1			4	2	1			5	
			36X-7, 15–16	338.35	M	A															1	48	2	1		1	128																						1						7				7		2		1		11		25	58									7			5												
			37X-1, 15–16	338.95	M	A						1										88		1		3	115				5								2										4		2			2	7				2			1			7		21	41									5			2												
			37X-2, 15–16	340.45	M	A												2				42				6	97				2								19										5	1			1						1			1	1		8		26	76									6	1				7										
		CN1c	37X-3, 15–16	341.95	M	A																21	2	1		2	98				1								4										1														2		11		33	111									15	2				2										
			37X-4, 15–16	343.45	M	A								2				3			1	47		2		4	58				4								7							1		1	2																9	1	46	122									7					2										
			37X-5, 15–16	344.95	M	A						1		2							2	38	7				34				3								8							1		4	2										2			2			2		34	153						1				2	1				3			1							
			37X-6, 15–16	346.45	M	A						1						1				56	3			2	61				1								5										1					1									2		8		57	95									6			2												
			37X-7, 15–16	347.95	M	A												1				50				1	72				1								3									5	1					3	2		1		1			1			8		46	92						1				9			1		3									1	
			38X-1, 15–16	348.55	M	A								1				1				41	2		3	2	103				4								11						2	1		2					1						1			3			4		48	66									6			2					1						3	
			38X-2, 15–16	350.05	M	A						1		1								59	3		1		89																					3											2				1		1		65	67									8															
			38X-3, 15–16	351.55	M	A												3				59			1	4	63												9							1			1						2				1						2		48	96									15	2		2		1	1									
			38X-4, 15–16	353.05	M	A								2				1			1	44			1	3	36				3								3							2		2	4						4								1		8		48	131									8			1		4									1	
			38X-5, 15–16	354.55	M	A								3				1				70	3	1			27				2								1									1	5						1				4				10		2		69	103									5					2									1	
			38X-6, 15–16	356.05	M	A						1	3								1	23	2	1			28				4								6							1		3	3	2					4				1			1	3		3		81	130									2					2	1								1	
			39X-1, 15–16	358.15	M	A												1			1	39	2	1	3		24				2								2			1							2	1												1			15		62	142									2			4											1	
			39X-2, 15–16	359.65	M	A								4								14			1		9				2																	3	3	2								1		4			2	2		13		63	169						1				4			1		2									7	
			39X-3, 15–16	361.15	M	A						3	5	1	1			1			2	36	2		1	3	25				1								4							3		2	4	1					2				3		1				8		43	138									8	1		1		1			1						3	
			39X-4, 15–16	362.65	M	A								5	3						1	29	2			1	7												2			1						1	2						2			1	5						6		100	117									6			2		1										
			39X-5, 15–16	364.15	M	A							3								3	19	5			2	35				2							1	3									2	1						6				1				1		7		8	192									4	1		1		1					1				1	
			39X-6, 15–16	365.65	M	A								3								34	1	2	2	4	34				3															2		2	2					3	5		3		1				1		10		17	147									3	2				2									1	
			39X-7, 15–16	366.87	M	A								3				2				26	1			1	6				3							1										4	3					1	5		1		6						13	2	34	178									4			1		7									1	

Notes: Preservation: M = moderate. Abundance: A = abundant. Italicized numbers indicate reworking. This table is also available in **ASCII.**

Table T1. Semiquantitative stratigraphic distribution of calcareous nannofossils, Hole 1168A. (**See table notes.** Continued on next 35 pages.)

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Amaurolithus amplificus*	*Amaurolithus delicatus*	*Amaurolithus ninae*	*Amaurolithus primus*	*Amaurolithus tricorniculatus*	*Calcidiscus fuscus*	*Calcidiscus kingii*	*Calcidiscus leptoporus*	*Calcidiscus macintyrei*	*Calcidiscus premacintyrei*
Pliocene	Early	CN10	189-1168A- 10H-1, 15–16	83.45	M	A								1	1	
Miocene	late	CN9b	10H-2, 15–16	84.95	M	A								13	4	
			10H-3, 15–16	86.45	M	A	1	1						23	6	
			10H-4, 15–16	87.95	M	A								17	3	
			10H-5, 15–16	89.45	M	A		1						45	1	
			10H-6, 15–16	90.95	M	A								35	6	
			10H-7, 15–16	92.45	M	A		1						27	6	
			11H-1, 15–16	92.95	M	A		1						21	2	
			11H-2, 15–16	94.45	M	A								62	6	
			11H-3, 15–16	95.95	M	A								35	5	
			11H-4, 15–16	97.45	M	A		1		1				39	2	
			11H-5, 15–16	98.95	M	A								9	1	
			11H-6, 15–16	100.45	M	A		2			1			55	1	
			11H-7, 15–16	101.95	M	A		1						40	3	
			12H-1, 15–16	102.45	M	A		2						34	11	
			12H-2, 15–16	103.95	M	A								42	7	
			12H-3, 15–16	105.45	M	A		3	1	1	1			32	5	
			12H-4, 15–16	106.95	M	A				1				22	4	
			12H-5, 15–16	108.45	M	A				1				9	8	
			12H-6, 15–16	109.95	M	A				1	1			20	1	
		CN8b–CN9a	12H-7, 15–16	111.45	M	A								30	5	
			13X-1, 15–16	111.95	M	A								65	10	
			13X-2, 15–16	113.45	M	A								48	4	
			13X-3, 15–16	114.95	M	A								20	11	
			14X-1, 15–16	118.65	M	A								59	10	1
			14X-2, 15–16	120.15	M	A								50	7	
			14X-3, 15–16	121.65	M	A								41	8	
			14X-4, 15–16	123.15	M	A								25	1	
			14X-5, 15–16	124.65	M	A								23	9	
			15X-1, 15–16	128.25	M	A								41	2	
			15X-2, 15–16	129.75	M	A								13	9	
		CN8a	15X-3, 15–16	131.25	M	A								3	3	
			15X-4, 15–16	132.45	M	A								9	1	
			16X-1, 15–16	137.85	M	A								12	3	
			16X-2, 15–16	139.35	M	A						1		20	2	
			16X-3, 15–16	140.85	M	A								27	2	
			16X-4, 15–16	142.35	M	A								28	4	
			16X-5, 90–91	143.85	M	A								32	4	
			16X-6, 15–16	144.50	M	A								23	2	
			17X-1, 15–16	147.45	M	A								20	3	
			17X-2, 15–16	148.95	M	A								24	5	
			17X-3, 15–16	150.45	M	A						1		17	8	*2*
			17X-4, 15–16	151.95	M	A								13	4	
		CN6–CN7	17X-5, 15–16	153.45	M	A								28	4	
			18X-1, 15–16	157.05	M	A								7	6	
			18X-2, 15–16	158.55	M	A								4	7	
			18X-3, 15–16	160.05	M	A								6	5	
			18X-4, 15–16	161.55	M	A								10	7	
			18X-5, 15–16	163.05	M	A								13	3	
			18X-6, 15–16	164.25	M	A								6	3	
			19X-1, 15–16	166.65	M	A								14	4	
			19X-2, 15–16	168.15	M	A								12	5	
			19X-3, 15–16	169.65	M	A								22	5	
			19X-4, 15–16	171.15	M	A								15	11	

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Calcidiscus radiatus*	*Calcidiscus tropicus*	*Catinaster coalitus*	*Clausicoccus obrutus*	*Coccolithus miopelagicus*	*Coccolithus pelagicus*	*Coccolithus pelagicus* >12 µm	*Coronocyclus nitescens*	*Cryptococcolithus mediaperforatus*	*Cyclicargolithus abisectus*
			189-1168A-													
Pliocene	Early	CN10	10H-1, 15–16	83.45	M	A						1				
			10H-2, 15–16	84.95	M	A						10				
			10H-3, 15–16	86.45	M	A						4				
			10H-4, 15–16	87.95	M	A						8				
			10H-5, 15–16	89.45	M	A						16				
			10H-6, 15–16	90.95	M	A						1				
			10H-7, 15–16	92.45	M	A						4				
			11H-1, 15–16	92.95	M	A						2				
			11H-2, 15–16	94.45	M	A						2				
			11H-3, 15–16	95.95	M	A						4				
		CN9b	11H-4, 15–16	97.45	M	A						11			2	
			11H-5, 15–16	98.95	M	A						6				
			11H-6, 15–16	100.45	M	A	2					2				
			11H-7, 15–16	101.95	M	A						2				
			12H-1, 15–16	102.45	M	A						8		*1*		
			12H-2, 15–16	103.95	M	A						19				
			12H-3, 15–16	105.45	M	A						31		*1*		
			12H-4, 15–16	106.95	M	A						36		*1*		
			12H-5, 15–16	108.45	M	A						29				
			12H-6, 15–16	109.95	M	A						31				
			12H-7, 15–16	111.45	M	A						108				
			13X-1, 15–16	111.95	M	A		1				169		*1*	4	
			13X-2, 15–16	113.45	M	A		1				137			1	
			13X-3, 15–16	114.95	M	A						83			1	
			14X-1, 15–16	118.65	M	A						115			2	
Miocene	late	CN8b–CN9a	14X-2, 15–16	120.15	M	A		1				70			9	
			14X-3, 15–16	121.65	M	A		5				48			5	
			14X-4, 15–16	123.15	M	A		2				86			2	
			14X-5, 15–16	124.65	M	A		2				58			1	
			15X-1, 15–16	128.25	M	A						32			1	
			15X-2, 15–16	129.75	M	A		3				93				
			15X-3, 15–16	131.25	M	A		4				30				
			15X-4, 15–16	132.45	M	A		1				63				
			16X-1, 15–16	137.85	M	A		1				49				
			16X-2, 15–16	139.35	M	A		1				44				
			16X-3, 15–16	140.85	M	A		5				70			1	
		CN8a	16X-4, 15–16	142.35	M	A		3				68			2	
			16X-5, 90–91	143.85	M	A	1	2				24		*1*	5	
			16X-6, 15–16	144.50	M	A		7				29		*1*	1	
			17X-1, 15–16	147.45	M	A		1				11			2	
			17X-2, 15–16	148.95	M	A		5				19			1	
			17X-3, 15–16	150.45	M	A		1				10				
			17X-4, 15–16	151.95	M	A		5				19				
			17X-5, 15–16	153.45	M	A	2	4				15				
			18X-1, 15–16	157.05	M	A		2				19				
			18X-2, 15–16	158.55	M	A		5				34	2			
			18X-3, 15–16	160.05	M	A	1	1				14			1	
			18X-4, 15–16	161.55	M	A		1			1	23			3	
			18X-5, 15–16	163.05	M	A						15	1		1	
			18X-6, 15–16	164.25	M	A		1				17		*1*		
			19X-1, 15–16	166.65	M	A		3	1			27			2	
			19X-2, 15–16	168.15	M	A		2				27				
			19X-3, 15–16	169.65	M	A		6				16	1		1	
		CN6–CN7	19X-4, 15–16	171.15	M	A		1				22				

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Cyclicargolithus floridanus*	*Discoaster berggrenii*	*Discoaster brouweri*	*Discoaster challengeri*	*Discoaster deflandrei*	*Discoaster exilis*	*Discoaster extensus*	*Discoaster intercalaris*	*Discoaster loeblichii*	*Discoaster mendomobensis*
Pliocene	Early	CN10	189-1168A- 10H-1, 15–16	83.45	M	A										
			10H-2, 15–16	84.95	M	A										
			10H-3, 15–16	86.45	M	A								1		
			10H-4, 15–16	87.95	M	A										
			10H-5, 15–16	89.45	M	A										
			10H-6, 15–16	90.95	M	A										
			10H-7, 15–16	92.45	M	A				2				1		
			11H-1, 15–16	92.95	M	A		1						1		
			11H-2, 15–16	94.45	M	A								1		
			11H-3, 15–16	95.95	M	A		1					1	1		
		CN9b	11H-4, 15–16	97.45	M	A				1				2		
			11H-5, 15–16	98.95	M	A								1		
			11H-6, 15–16	100.45	M	A				1						
			11H-7, 15–16	101.95	M	A								2		1
			12H-1, 15–16	102.45	M	A								1		
			12H-2, 15–16	103.95	M	A								1		
			12H-3, 15–16	105.45	M	A										
			12H-4, 15–16	106.95	M	A								1		
			12H-5, 15–16	108.45	M	A								1		
			12H-6, 15–16	109.95	M	A								1		
			12H-7, 15–16	111.45	M	A				1						
			13X-1, 15–16	111.95	M	A									1	
			13X-2, 15–16	113.45	M	A									1	
			13X-3, 15–16	114.95	M	A			1	1						
			14X-1, 15–16	118.65	M	A										
Miocene	late	CN8b–CN9a	14X-2, 15–16	120.15	M	A				1						
			14X-3, 15–16	121.65	M	A				1				1		
			14X-4, 15–16	123.15	M	A										
			14X-5, 15–16	124.65	M	A										
			15X-1, 15–16	128.25	M	A										
			15X-2, 15–16	129.75	M	A										
			15X-3, 15–16	131.25	M	A										
			15X-4, 15–16	132.45	M	A										
			16X-1, 15–16	137.85	M	A										
			16X-2, 15–16	139.35	M	A										
			16X-3, 15–16	140.85	M	A										
		CN8a	16X-4, 15–16	142.35	M	A										
			16X-5, 90–91	143.85	M	A										
			16X-6, 15–16	144.50	M	A										
			17X-1, 15–16	147.45	M	A										
			17X-2, 15–16	148.95	M	A										
			17X-3, 15–16	150.45	M	A										
			17X-4, 15–16	151.95	M	A						1				
			17X-5, 15–16	153.45	M	A										
			18X-1, 15–16	157.05	M	A										
			18X-2, 15–16	158.55	M	A										
			18X-3, 15–16	160.05	M	A										
			18X-4, 15–16	161.55	M	A										
			18X-5, 15–16	163.05	M	A										
			18X-6, 15–16	164.25	M	A						1				
			19X-1, 15–16	166.65	M	A						1				
			19X-2, 15–16	168.15	M	A						1				
			19X-3, 15–16	169.65	M	A						1				
		CN6–CN7	19X-4, 15–16	171.15	M	A										

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Discoaster petaliformis*	*Discoaster* spp. (5 ray)	*Discoaster* spp. (6 ray)	*Discoaster surculus*	*Discoaster variabilis*	*Ericsonia detecta*	*Geminilithella rotula*	*Helicosphaera ampliaperta*	*Helicosphaera carteri*	*Helicosphaera elongata*
			189-1168A-													
Pliocene	Early	CN10	10H-1, 15–16	83.45	M	A		1	1							
			10H-2, 15–16	84.95	M	A			1						5	
			10H-3, 15–16	86.45	M	A			1						8	
			10H-4, 15–16	87.95	M	A			1						2	
			10H-5, 15–16	89.45	M	A		1	1		1				5	
			10H-6, 15–16	90.95	M	A					1				1	
			10H-7, 15–16	92.45	M	A			2	1	1				3	
			11H-1, 15–16	92.95	M	A			1	1	1				2	
			11H-2, 15–16	94.45	M	A					1				3	
			11H-3, 15–16	95.95	M	A		1	3						3	
		CN9b	11H-4, 15–16	97.45	M	A		1	1		1					
			11H-5, 15–16	98.95	M	A			1						1	
			11H-6, 15–16	100.45	M	A					1		2		2	
			11H-7, 15–16	101.95	M	A		1	2		2				6	
			12H-1, 15–16	102.45	M	A			1		1				4	
			12H-2, 15–16	103.95	M	A		1	1		1		2		2	
			12H-3, 15–16	105.45	M	A		1	2		1		2		2	
			12H-4, 15–16	106.95	M	A			1		1					
			12H-5, 15–16	108.45	M	A					1		1		2	
			12H-6, 15–16	109.95	M	A			2		1					
			12H-7, 15–16	111.45	M	A			5		1		1		4	
			13X-1, 15–16	111.95	M	A			8		1				13	
			13X-2, 15–16	113.45	M	A			7		4	1			6	
			13X-3, 15–16	114.95	M	A		1	9				1		3	
			14X-1, 15–16	118.65	M	A			12						2	
Miocene	late	CN8b–CN9a	14X-2, 15–16	120.15	M	A		2	16				1		1	
			14X-3, 15–16	121.65	M	A		3	8				3		2	
			14X-4, 15–16	123.15	M	A			4						1	
			14X-5, 15–16	124.65	M	A		2	4				1		3	
			15X-1, 15–16	128.25	M	A									1	
			15X-2, 15–16	129.75	M	A			2		1		1		1	
			15X-3, 15–16	131.25	M	A			2		1		1			
			15X-4, 15–16	132.45	M	A		1	1				2		2	
			16X-1, 15–16	137.85	M	A									3	
			16X-2, 15–16	139.35	M	A			1				2		1	
			16X-3, 15–16	140.85	M	A		1	1				1		4	
		CN8a	16X-4, 15–16	142.35	M	A									2	
			16X-5, 90–91	143.85	M	A			2						1	
			16X-6, 15–16	144.50	M	A						2	1			
			17X-1, 15–16	147.45	M	A									1	
			17X-2, 15–16	148.95	M	A										
			17X-3, 15–16	150.45	M	A			1			1				
			17X-4, 15–16	151.95	M	A			1			1			4	
			17X-5, 15–16	153.45	M	A			1							
			18X-1, 15–16	157.05	M	A			1			1	1		2	
			18X-2, 15–16	158.55	M	A						2				
			18X-3, 15–16	160.05	M	A			1			1	3			
			18X-4, 15–16	161.55	M	A						1			1	
			18X-5, 15–16	163.05	M	A			1				1		2	
			18X-6, 15–16	164.25	M	A			2						1	
			19X-1, 15–16	166.65	M	A			2						2	
			19X-2, 15–16	168.15	M	A			1							
			19X-3, 15–16	169.65	M	A			1				1		1	
		CN6–CN7	19X-4, 15–16	171.15	M	A		1	1							

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Helicosphaera euphratis*	*Helicosphaera granulata*	*Helicosphaera obliqua*	*Helicosphaera paleocarteri*	*Helicosphaera perch-nielsenae*	*Helicosphaera scissura*	*Helicosphaera sellii*	*Helicosphaera* spp.	*Hughesius gizoensis*	*Hughesius tasmaniae*
			189-1168A-													
Pliocene	Early	CN10	10H-1, 15–16	83.45	M	A							1			
			10H-2, 15–16	84.95	M	A							1			
			10H-3, 15–16	86.45	M	A										
			10H-4, 15–16	87.95	M	A										
			10H-5, 15–16	89.45	M	A										
			10H-6, 15–16	90.95	M	A										
			10H-7, 15–16	92.45	M	A										
			11H-1, 15–16	92.95	M	A										
			11H-2, 15–16	94.45	M	A										
			11H-3, 15–16	95.95	M	A										
		CN9b	11H-4, 15–16	97.45	M	A							1			
			11H-5, 15–16	98.95	M	A										
			11H-6, 15–16	100.45	M	A										
			11H-7, 15–16	101.95	M	A										
			12H-1, 15–16	102.45	M	A										
			12H-2, 15–16	103.95	M	A										
			12H-3, 15–16	105.45	M	A										
			12H-4, 15–16	106.95	M	A										
			12H-5, 15–16	108.45	M	A										
			12H-6, 15–16	109.95	M	A										
			12H-7, 15–16	111.45	M	A										
			13X-1, 15–16	111.95	M	A										
			13X-2, 15–16	113.45	M	A										
			13X-3, 15–16	114.95	M	A										
			14X-1, 15–16	118.65	M	A										
Miocene	late	CN8b–CN9a	14X-2, 15–16	120.15	M	A								2		
			14X-3, 15–16	121.65	M	A										
			14X-4, 15–16	123.15	M	A										
			14X-5, 15–16	124.65	M	A										
			15X-1, 15–16	128.25	M	A		2								
			15X-2, 15–16	129.75	M	A		2								
			15X-3, 15–16	131.25	M	A										
			15X-4, 15–16	132.45	M	A										
			16X-1, 15–16	137.85	M	A										
			16X-2, 15–16	139.35	M	A										
			16X-3, 15–16	140.85	M	A		1								
		CN8a	16X-4, 15–16	142.35	M	A										
			16X-5, 90–91	143.85	M	A		1								
			16X-6, 15–16	144.50	M	A										
			17X-1, 15–16	147.45	M	A								1		
			17X-2, 15–16	148.95	M	A										
			17X-3, 15–16	150.45	M	A										
			17X-4, 15–16	151.95	M	A										
			17X-5, 15–16	153.45	M	A										
			18X-1, 15–16	157.05	M	A										
			18X-2, 15–16	158.55	M	A										
			18X-3, 15–16	160.05	M	A										
			18X-4, 15–16	161.55	M	A										
			18X-5, 15–16	163.05	M	A										
			18X-6, 15–16	164.25	M	A										
			19X-1, 15–16	166.65	M	A										
			19X-2, 15–16	168.15	M	A										
			19X-3, 15–16	169.65	M	A						*1*				
		CN6–CN7	19X-4, 15–16	171.15	M	A										

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Minylitha convallis*	*Pontosphaera anisotrema*	*Pontosphaera desueta*	*Pontosphaera multipora*	*Pontosphaera* spp.	*Pyrocyclus hermosus*	*Pyrocyclus orangensis*	*Reticulofenestra bisecta filewiczii*	*Reticulofenestra gelida*	*Reticulofenestra haqii*
			189-1168A-													
Pliocene	Early	CN10	10H-1, 15–16	83.45	M	A				1						
			10H-2, 15–16	84.95	M	A						2			22	68
			10H-3, 15–16	86.45	M	A		2			1	2			52	18
			10H-4, 15–16	87.95	M	A					1	2			86	21
			10H-5, 15–16	89.45	M	A		1				2			43	9
			10H-6, 15–16	90.95	M	A						1			85	27
			10H-7, 15–16	92.45	M	A		1				3			72	13
			11H-1, 15–16	92.95	M	A		1			1	2			20	40
			11H-2, 15–16	94.45	M	A									59	9
			11H-3, 15–16	95.95	M	A						1			32	18
		CN9b	11H-4, 15–16	97.45	M	A						1			66	10
			11H-5, 15–16	98.95	M	A					1	1			75	18
			11H-6, 15–16	100.45	M	A									55	20
			11H-7, 15–16	101.95	M	A									96	8
			12H-1, 15–16	102.45	M	A						1			69	
			12H-2, 15–16	103.95	M	A						1			92	
			12H-3, 15–16	105.45	M	A						2			93	1
			12H-4, 15–16	106.95	M	A							2		105	7
			12H-5, 15–16	108.45	M	A									152	3
			12H-6, 15–16	109.95	M	A									105	4
			12H-7, 15–16	111.45	M	A						1			80	5
			13X-1, 15–16	111.95	M	A					1				5	2
			13X-2, 15–16	113.45	M	A									23	13
			13X-3, 15–16	114.95	M	A						1			95	7
			14X-1, 15–16	118.65	M	A						1			55	
Miocene	late	CN8b–CN9a	14X-2, 15–16	120.15	M	A						1			61	1
			14X-3, 15–16	121.65	M	A						1			42	1
			14X-4, 15–16	123.15	M	A									38	5
			14X-5, 15–16	124.65	M	A						1			15	
			15X-1, 15–16	128.25	M	A						2			51	1
			15X-2, 15–16	129.75	M	A	2					2			65	
			15X-3, 15–16	131.25	M	A	2								94	4
			15X-4, 15–16	132.45	M	A	1					3			92	2
			16X-1, 15–16	137.85	M	A	1					2			147	
			16X-2, 15–16	139.35	M	A	1					4			117	4
			16X-3, 15–16	140.85	M	A						2			93	
		CN8a	16X-4, 15–16	142.35	M	A	1					4			99	
			16X-5, 90–91	143.85	M	A	1					2			88	3
			16X-6, 15–16	144.50	M	A	1					2			75	2
			17X-1, 15–16	147.45	M	A									80	2
			17X-2, 15–16	148.95	M	A	1					1			109	
			17X-3, 15–16	150.45	M	A	1					2	11		127	
			17X-4, 15–16	151.95	M	A	1					3			106	8
			17X-5, 15–16	153.45	M	A						2			122	3
			18X-1, 15–16	157.05	M	A						2			59	5
			18X-2, 15–16	158.55	M	A						2			85	
			18X-3, 15–16	160.05	M	A									140	2
			18X-4, 15–16	161.55	M	A						1			120	1
			18X-5, 15–16	163.05	M	A									92	5
			18X-6, 15–16	164.25	M	A						2			124	4
			19X-1, 15–16	166.65	M	A						1			74	6
			19X-2, 15–16	168.15	M	A									91	16
			19X-3, 15–16	169.65	M	A						3			114	
		CN6–CN7	19X-4, 15–16	171.15	M	A						2			152	

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Reticulofenestra lockeri*	*Reticulofenestra minuta*	*Reticulofenestra minutula*	*Reticulofenestra perplexa*	*Reticulofenestra producta*	*Reticulofenestra pseudoumbilicus*	*Reticulofenestra stavensis*	*Rhabdosphaera procera*	*Sphenolithus abies*	*Sphenolithus belemnos*
			189-1168A-													
Pliocene	Early	CN10	10H-1, 15–16	83.45	M	A						1		1		
			10H-2, 15–16	84.95	M	A		61	61		9	41		1	1	
			10H-3, 15–16	86.45	M	A		34	48		51	52				
			10H-4, 15–16	87.95	M	A		31	62		34	38				
			10H-5, 15–16	89.45	M	A		28	58		35	58		1		
			10H-6, 15–16	90.95	M	A		20	73		32	32				
			10H-7, 15–16	92.45	M	A		37	53		48	37				
			11H-1, 15–16	92.95	M	A		123	45	1	16	28				
			11H-2, 15–16	94.45	M	A		4	76		73	6				
			11H-3, 15–16	95.95	M	A			104		75	25				
		CN9b	11H-4, 15–16	97.45	M	A		41	59		68	4				
			11H-5, 15–16	98.95	M	A		60	34		89	6				
			11H-6, 15–16	100.45	M	A		72	35		41	7		1	1	
			11H-7, 15–16	101.95	M	A		38	28	1	77	6		1		
			12H-1, 15–16	102.45	M	A		41	108		15	5			1	
			12H-2, 15–16	103.95	M	A		21	98	1	14			1		
			12H-3, 15–16	105.45	M	A		43	54	1	34	2				
			12H-4, 15–16	106.95	M	A		33	68	2	14	2				
			12H-5, 15–16	108.45	M	A		7	33	2	47	3				
			12H-6, 15–16	109.95	M	A		14	58	2	59	1				
			12H-7, 15–16	111.45	M	A		2	41	9	2				1	
			13X-1, 15–16	111.95	M	A		2	12	1	1				2	
			13X-2, 15–16	113.45	M	A		5	22	19		5			3	
			13X-3, 15–16	114.95	M	A		4	10	45	2	1				
			14X-1, 15–16	118.65	M	A			4	23	1	10				
Miocene	late	CN8b–CN9a	14X-2, 15–16	120.15	M	A		4	4	46	7	5			2	
			14X-3, 15–16	121.65	M	A		30	24	36	28	10			1	
			14X-4, 15–16	123.15	M	A		17	76	15	12	11			3	
			14X-5, 15–16	124.65	M	A		11	17	128	15				1	
			15X-1, 15–16	128.25	M	A			44	92	21	3			1	
			15X-2, 15–16	129.75	M	A			19	77		4				
			15X-3, 15–16	131.25	M	A			83	49	5	10				
			15X-4, 15–16	132.45	M	A			56	49	4	5				
			16X-1, 15–16	137.85	M	A			27	32	1	12				
			16X-2, 15–16	139.35	M	A			58	32		3				
			16X-3, 15–16	140.85	M	A			49	31	11	1				
		CN8a	16X-4, 15–16	142.35	M	A			38	21	1	13				
			16X-5, 90–91	143.85	M	A			86	33	3	5				
			16X-6, 15–16	144.50	M	A			69	98		6				
			17X-1, 15–16	147.45	M	A			83	63	12	4				
			17X-2, 15–16	148.95	M	A			50	80		7				
			17X-3, 15–16	150.45	M	A			79	32		4				
			17X-4, 15–16	151.95	M	A			74	45		11				
			17X-5, 15–16	153.45	M	A			73	37		5				
			18X-1, 15–16	157.05	M	A			83	95		10				
			18X-2, 15–16	158.55	M	A			87	61		14				
			18X-3, 15–16	160.05	M	A			64	44		9				
			18X-4, 15–16	161.55	M	A		5	61	57		11				
			18X-5, 15–16	163.05	M	A			113	47		4				
			18X-6, 15–16	164.25	M	A			72	53		15				
			19X-1, 15–16	166.65	M	A			68	84		12				
			19X-2, 15–16	168.15	M	A			91	45		7				
			19X-3, 15–16	169.65	M	A			86	41		3				
		CN6–CN7	19X-4, 15–16	171.15	M	A			34	50		9				

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Sphenolithus ciperoensis*	*Sphenolithus compactus*	*Sphenolithus conicus*	*Sphenolithus disbelemnos*	*Sphenolithus dissimilis*	*Sphenolithus heteromorphus*	*Sphenolithus moriformis*	*Sphenolithus moriformis* <6 µm	*Syracosphaera* spp.	*Tetralithoides sygmeonidesii*
			189-1168A-													
Pliocene	Early	CN10	10H-1, 15–16	83.45	M	A										
			10H-2, 15–16	84.95	M	A										
			10H-3, 15–16	86.45	M	A								1		
			10H-4, 15–16	87.95	M	A						1			1	
			10H-5, 15–16	89.45	M	A										
			10H-6, 15–16	90.95	M	A										
			10H-7, 15–16	92.45	M	A										
			11H-1, 15–16	92.95	M	A									1	
			11H-2, 15–16	94.45	M	A										
			11H-3, 15–16	95.95	M	A										
		CN9b	11H-4, 15–16	97.45	M	A										
			11H-5, 15–16	98.95	M	A										
			11H-6, 15–16	100.45	M	A										
			11H-7, 15–16	101.95	M	A										
			12H-1, 15–16	102.45	M	A										
			12H-2, 15–16	103.95	M	A										
			12H-3, 15–16	105.45	M	A										
			12H-4, 15–16	106.95	M	A										
			12H-5, 15–16	108.45	M	A										
			12H-6, 15–16	109.95	M	A										
			12H-7, 15–16	111.45	M	A								4		
			13X-1, 15–16	111.95	M	A								1		
			13X-2, 15–16	113.45	M	A										
			13X-3, 15–16	114.95	M	A								1		
			14X-1, 15–16	118.65	M	A								6		
Miocene	late	CN8b–CN9a	14X-2, 15–16	120.15	M	A								9		
			14X-3, 15–16	121.65	M	A								2		
			14X-4, 15–16	123.15	M	A								1		
			14X-5, 15–16	124.65	M	A								8		
			15X-1, 15–16	128.25	M	A								5		
			15X-2, 15–16	129.75	M	A								5		
			15X-3, 15–16	131.25	M	A		8						2		
			15X-4, 15–16	132.45	M	A		6						1		
			16X-1, 15–16	137.85	M	A		6					4	5		
			16X-2, 15–16	139.35	M	A		15						7		
			16X-3, 15–16	140.85	M	A		10						1		
		CN8a	16X-4, 15–16	142.35	M	A		28					1			
			16X-5, 90–91	143.85	M	A		11					1			
			16X-6, 15–16	144.50	M	A		20					2			
			17X-1, 15–16	147.45	M	A		23					3	1		
			17X-2, 15–16	148.95	M	A		8					1			
			17X-3, 15–16	150.45	M	A		9						2		
			17X-4, 15–16	151.95	M	A		2					2	3		
			17X-5, 15–16	153.45	M	A		1						7		
			18X-1, 15–16	157.05	M	A		9								
			18X-2, 15–16	158.55	M	A		1								1
			18X-3, 15–16	160.05	M	A		8					1	4		
			18X-4, 15–16	161.55	M	A		7								
			18X-5, 15–16	163.05	M	A		7						2		
			18X-6, 15–16	164.25	M	A		2								
			19X-1, 15–16	166.65	M	A		3								
			19X-2, 15–16	168.15	M	A		6								
			19X-3, 15–16	169.65	M	A		1								
		CN6–CN7	19X-4, 15–16	171.15	M	A		5								

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Triquetrorhabdulus auritus*	*Triquetrorhabdulus carinatus*	*Triquetrorhabdulus challengeri*	*Triquetrorhabdulus farnsworthii*	*Triquetrorhabdulus rugosus*	*Umbilicosphaera jafari*	*Umbilicosphaera* spp.
			189-1168A-										
Pliocene	Early	CN10	10H-1, 15–16	83.45	M	A							
			10H-2, 15–16	84.95	M	A					1		
			10H-3, 15–16	86.45	M	A					1	1	2
			10H-4, 15–16	87.95	M	A							1
			10H-5, 15–16	89.45	M	A					1		1
			10H-6, 15–16	90.95	M	A					1	1	
			10H-7, 15–16	92.45	M	A					1	1	
			11H-1, 15–16	92.95	M	A					1		
			11H-2, 15–16	94.45	M	A					1	1	
			11H-3, 15–16	95.95	M	A					1		
		CN9b	11H-4, 15–16	97.45	M	A					1		
			11H-5, 15–16	98.95	M	A					1		
			11H-6, 15–16	100.45	M	A					1		
			11H-7, 15–16	101.95	M	A							
			12H-1, 15–16	102.45	M	A					1		
			12H-2, 15–16	103.95	M	A					1		
			12H-3, 15–16	105.45	M	A					1		
			12H-4, 15–16	106.95	M	A					1		
			12H-5, 15–16	108.45	M	A					1		
			12H-6, 15–16	109.95	M	A							
			12H-7, 15–16	111.45	M	A					2		
			13X-1, 15–16	111.95	M	A					1		
			13X-2, 15–16	113.45	M	A					1		
			13X-3, 15–16	114.95	M	A					3		
			14X-1, 15–16	118.65	M	A					1		
Miocene	late	CN8b–CN9a	14X-2, 15–16	120.15	M	A					1		
			14X-3, 15–16	121.65	M	A					1		
			14X-4, 15–16	123.15	M	A					1		
			14X-5, 15–16	124.65	M	A					1		
			15X-1, 15–16	128.25	M	A					1		
			15X-2, 15–16	129.75	M	A					1		
			15X-3, 15–16	131.25	M	A							
			15X-4, 15–16	132.45	M	A					1		
			16X-1, 15–16	137.85	M	A					1		
			16X-2, 15–16	139.35	M	A					2		
			16X-3, 15–16	140.85	M	A					2		
		CN8a	16X-4, 15–16	142.35	M	A					1		
			16X-5, 90–91	143.85	M	A					2		
			16X-6, 15–16	144.50	M	A					2		
			17X-1, 15–16	147.45	M	A					2		
			17X-2, 15–16	148.95	M	A					2		
			17X-3, 15–16	150.45	M	A					2		
			17X-4, 15–16	151.95	M	A					2		
			17X-5, 15–16	153.45	M	A					2		
			18X-1, 15–16	157.05	M	A					1		
			18X-2, 15–16	158.55	M	A							
			18X-3, 15–16	160.05	M	A					1		
			18X-4, 15–16	161.55	M	A					1		
			18X-5, 15–16	163.05	M	A					1		
			18X-6, 15–16	164.25	M	A					1		
			19X-1, 15–16	166.65	M	A					2		
			19X-2, 15–16	168.15	M	A					1		
			19X-3, 15–16	169.65	M	A					1		
		CN6–CN7	19X-4, 15–16	171.15	M	A					1	1	

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Amaurolithus amplificus*	*Amaurolithus delicatus*	*Amaurolithus ninae*	*Amaurolithus primus*	*Amaurolithus tricorniculatus*	*Calcidiscus fuscus*	*Calcidiscus kingii*	*Calcidiscus leptoporus*	*Calcidiscus macintyrei*	*Calcidiscus premacintyrei*
Miocene	late	CN6–CN7	19X-5, 15–16	172.65	M	A								10	8	
			19X-6, 15–16	174.15	M	A								7	7	
			20X-1, 15–16	176.25	M	A								5	6	
			20X-2, 15–16	177.75	M	A								9	7	
			20X-3, 15–16	179.25	M	A								12	3	
			20X-4, 15–16	180.75	M	A								2	6	
			20X-5, 15–16	182.25	M	A								13	7	
	middle	CN5b	20X-6, 15–16	183.75	M	A								4	9	
			21X-1, 15–16	185.85	M	A						1		6	6	
			21X-2, 15–16	187.35	M	A						1		6	7	*1*
			21X-3, 15–16	188.85	M	A								7	9	
			21X-4, 15–16	190.35	M	A								3	7	
			21X-5, 15–16	191.85	M	A								12	5	
			21X-6, 15–16	193.35	M	A								16	5	*1*
			22X-1, 15–16	195.55	M	A								7	4	
			22X-2, 15–16	197.05	M	A								16	13	
		CN5a	22X-3, 15–16	198.55	M	A						1		13	7	*1*
			22X-4, 15–16	200.05	M	A								5	5	*1*
			22X-5, 15–16	201.55	M	A								8	8	
			22X-6, 15–16	203.05	M	A								8	12	
			22X-7, 15–16	204.55	M	A								6	10	
			23X-1, 15–16	205.15	M	A						1		1		
			23X-2, 15–16	206.65	M	A								8	10	
			23X-3, 15–16	208.15	M	A						1		9	6	
			23X-4, 15–16	209.65	M	A						1		5	10	
			23X-5, 15–16	211.15	M	A								5	4	
			23X-6, 15–16	212.65	M	A								10	13	
			23X-7, 15–16	214.15	M	A						1		14	15	
			24X-1, 15–16	214.75	M	A								10	6	
			24X-2, 15–16	216.25	M	A								12	2	
			24X-3, 15–16	217.75	M	A						1		10	5	
			24X-4, 15–16	219.25	M	A								3	9	
			24X-5, 15–16	220.75	M	A								16	10	
			24X-6, 15–16	222.25	M	A								12	4	1
			24X-7, 15–16	223.75	M	A						1		5	8	5
			25X-1, 15–16	224.35	M	A								11	7	1
			25X-2, 15–16	225.85	M	A								12	12	1
			25X-3, 15–16	227.35	M	A						2		7	5	
			25X-4, 15–16	228.85	M	A								17	8	1
			25X-5, 15–16	230.35	M	A								8	5	2
			25X-6, 15–16	231.85	M	A								15	3	
			26X-1, 15–16	233.95	M	A								20	3	1
			26X-2, 15–16	235.45	M	A						2		27	13	
			26X-3, 15–16	236.95	M	A						1		12	2	1
			26X-4, 15–16	238.45	M	A								21	3	3
			26X-5, 15–16	239.95	M	A						1		23		2
			26X-6, 15–16	241.45	M	A								19		2
		CN3–CN4	26X-7, 15–16	242.95	M	A								22	1	6
			27X-1, 15–16	243.55	M	A								3	1	10
			27X-2, 15–16	245.05	M	A								23		12
			27X-3, 15–16	246.55	M	A								20		10
			27X-4, 15–16	248.05	M	A								3		3
			27X-5, 15–16	249.55	M	A								8		19
			27X-6, 15–16	251.05	M	A								10		7
			27X-7, 15–16	252.55	M	A								2		9
			28X-1, 15–16	253.15	M	A								4		5
			28X-2, 15–16	254.65	M	A								1		2
			28X-3, 15–16	256.07	M	A								5		5
			28X-4, 15–16	257.57	M	A						1		8	2	10

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Calcidiscus radiatus*	*Calcidiscus tropicus*	*Catinaster coalitus*	*Clausicoccus obrutus*	*Coccolithus miopelagicus*	*Coccolithus pelagicus*	*Coccolithus pelagicus* >12 µm	*Coronocyclus nitescens*	*Cryptococcolithus mediaperforatus*	*Cyclicargolithus abisectus*
Miocene	late	CN6–CN7	19X-5, 15–16	172.65	M	A	3	4				33		*1*	1	
			19X-6, 15–16	174.15	M	A		3				16		*1*		
			20X-1, 15–16	176.25	M	A		3				11	1			
			20X-2, 15–16	177.75	M	A		1				22	1		2	
			20X-3, 15–16	179.25	M	A		3				15			1	
			20X-4, 15–16	180.75	M	A	1					29				
			20X-5, 15–16	182.25	M	A		2				9				
	middle	CN5b	20X-6, 15–16	183.75	M	A		4			1	31	2		2	
			21X-1, 15–16	185.85	M	A	1	5				24	1		2	
			21X-2, 15–16	187.35	M	A		3			1	38			2	
			21X-3, 15–16	188.85	M	A		3				22	1		1	
			21X-4, 15–16	190.35	M	A		5			1	38	1			
			21X-5, 15–16	191.85	M	A		1			1	26	5		1	
			21X-6, 15–16	193.35	M	A	1	4				21	6		2	
			22X-1, 15–16	195.55	M	A		3				29	3			
			22X-2, 15–16	197.05	M	A		2				32	6		3	
		CN5a	22X-3, 15–16	198.55	M	A	1	1			1	58	5		4	
			22X-4, 15–16	200.05	M	A		1			1	65	4			
			22X-5, 15–16	201.55	M	A		5			1	42	1		1	
			22X-6, 15–16	203.05	M	A	1					76	1		1	
			22X-7, 15–16	204.55	M	A						60			1	
			23X-1, 15–16	205.15	M	A					2	61				
			23X-2, 15–16	206.65	M	A		2				63				
			23X-3, 15–16	208.15	M	A		4			1	22	6			
			23X-4, 15–16	209.65	M	A		2				29	3	1		
			23X-5, 15–16	211.15	M	A		1				34	1	1		
			23X-6, 15–16	212.65	M	A		2				29				
			23X-7, 15–16	214.15	M	A		1				37				
			24X-1, 15–16	214.75	M	A		4				44			3	
			24X-2, 15–16	216.25	M	A						56			1	
			24X-3, 15–16	217.75	M	A					1	100	1	1		
			24X-4, 15–16	219.25	M	A		3			2	89	2			
			24X-5, 15–16	220.75	M	A		3				32	1	1		
			24X-6, 15–16	222.25	M	A						53	1			2
			24X-7, 15–16	223.75	M	A		3				59	1			1
			25X-1, 15–16	224.35	M	A						42	1			
			25X-2, 15–16	225.85	M	A		1				53	1			
			25X-3, 15–16	227.35	M	A						31				
			25X-4, 15–16	228.85	M	A		2				40				
			25X-5, 15–16	230.35	M	A		1				51				
			25X-6, 15–16	231.85	M	A		1				81				
			26X-1, 15–16	233.95	M	A		3				76		1		
			26X-2, 15–16	235.45	M	A	1	2				35	2	1		
			26X-3, 15–16	236.95	M	A		6			2	113	4	1		2
			26X-4, 15–16	238.45	M	A		2		1	1	76	5			4
			26X-5, 15–16	239.95	M	A		3			2	55	1			5
			26X-6, 15–16	241.45	M	A		3		1	1	63	2			1
		CN3–CN4	26X-7, 15–16	242.95	M	A		3				36		1		3
			27X-1, 15–16	243.55	M	A						57		1		8
			27X-2, 15–16	245.05	M	A		1				60				7
			27X-3, 15–16	246.55	M	A						64				10
			27X-4, 15–16	248.05	M	A						105				10
			27X-5, 15–16	249.55	M	A						55	14			5
			27X-6, 15–16	251.05	M	A						114				9
			27X-7, 15–16	252.55	M	A		2		1		87	1			9
			28X-1, 15–16	253.15	M	A					1	57	1			5
			28X-2, 15–16	254.65	M	A		1			1	42	1			8
			28X-3, 15–16	256.07	M	A					2	86	2			4
			28X-4, 15–16	257.57	M	A		2				70	2	2		2

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Cyclicargolithus floridanus*	*Discoaster berggrenii*	*Discoaster brouweri*	*Discoaster challengeri*	*Discoaster deflandrei*	*Discoaster exilis*	*Discoaster extensus*	*Discoaster intercalaris*	*Discoaster loeblichii*	*Discoaster mendomobensis*
Miocene	late	CN6–CN7	19X-5, 15–16	172.65	M	A						1				
			19X-6, 15–16	174.15	M	A										
			20X-1, 15–16	176.25	M	A										
			20X-2, 15–16	177.75	M	A										
			20X-3, 15–16	179.25	M	A						1				
			20X-4, 15–16	180.75	M	A					*1*	1				
			20X-5, 15–16	182.25	M	A										
	middle	CN5b	20X-6, 15–16	183.75	M	A										
			21X-1, 15–16	185.85	M	A										
			21X-2, 15–16	187.35	M	A										
			21X-3, 15–16	188.85	M	A										
			21X-4, 15–16	190.35	M	A										
			21X-5, 15–16	191.85	M	A										
			21X-6, 15–16	193.35	M	A										
			22X-1, 15–16	195.55	M	A										
			22X-2, 15–16	197.05	M	A										
		CN5a	22X-3, 15–16	198.55	M	A	2									
			22X-4, 15–16	200.05	M	A	1									
			22X-5, 15–16	201.55	M	A	5									
			22X-6, 15–16	203.05	M	A	2									
			22X-7, 15–16	204.55	M	A	4									
			23X-1, 15–16	205.15	M	A	7									
			23X-2, 15–16	206.65	M	A	5				*1*					
			23X-3, 15–16	208.15	M	A	5									
			23X-4, 15–16	209.65	M	A	1									
			23X-5, 15–16	211.15	M	A	8									
			23X-6, 15–16	212.65	M	A	3									
			23X-7, 15–16	214.15	M	A	2									
			24X-1, 15–16	214.75	M	A	7									
			24X-2, 15–16	216.25	M	A	4									
			24X-3, 15–16	217.75	M	A	3									
			24X-4, 15–16	219.25	M	A	6					1				
			24X-5, 15–16	220.75	M	A	2									
			24X-6, 15–16	222.25	M	A	2									
			24X-7, 15–16	223.75	M	A	1									
			25X-1, 15–16	224.35	M	A	2									
			25X-2, 15–16	225.85	M	A	1									
			25X-3, 15–16	227.35	M	A	3					1				
			25X-4, 15–16	228.85	M	A	4									
			25X-5, 15–16	230.35	M	A	2					1				
			25X-6, 15–16	231.85	M	A	1									
			26X-1, 15–16	233.95	M	A	3					1				
			26X-2, 15–16	235.45	M	A	7									
			26X-3, 15–16	236.95	M	A	11					1				
			26X-4, 15–16	238.45	M	A	32									
			26X-5, 15–16	239.95	M	A	12									
			26X-6, 15–16	241.45	M	A	26									
		CN3–CN4	26X-7, 15–16	242.95	M	A	15					1				
			27X-1, 15–16	243.55	M	A	29									
			27X-2, 15–16	245.05	M	A	48					1				
			27X-3, 15–16	246.55	M	A	70									
			27X-4, 15–16	248.05	M	A	56									
			27X-5, 15–16	249.55	M	A	35					1				
			27X-6, 15–16	251.05	M	A	52									
			27X-7, 15–16	252.55	M	A	58									
			28X-1, 15–16	253.15	M	A	46									
			28X-2, 15–16	254.65	M	A	37									
			28X-3, 15–16	256.07	M	A	36									
			28X-4, 15–16	257.57	M	A	45					1				

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Discoaster petaliformis*	*Discoaster* spp. (5 ray)	*Discoaster* spp. (6 ray)	*Discoaster surculus*	*Discoaster variabilis*	*Ericsonia detecta*	*Geminilithella rotula*	*Helicosphaera ampliaperta*	*Helicosphaera carteri*	*Helicosphaera elongata*
Miocene	late	CN6–CN7	19X-5, 15–16	172.65	M	A		1					1			
			19X-6, 15–16	174.15	M	A			1				1			
			20X-1, 15–16	176.25	M	A		1	2				2		2	
			20X-2, 15–16	177.75	M	A			1			1			1	
			20X-3, 15–16	179.25	M	A			1				2		1	
			20X-4, 15–16	180.75	M	A			1							
			20X-5, 15–16	182.25	M	A										
	middle	CN5b	20X-6, 15–16	183.75	M	A		1	2							
			21X-1, 15–16	185.85	M	A			1							
			21X-2, 15–16	187.35	M	A			1				1		1	
			21X-3, 15–16	188.85	M	A			1				2		3	
			21X-4, 15–16	190.35	M	A			1							
			21X-5, 15–16	191.85	M	A			1						1	
			21X-6, 15–16	193.35	M	A			1				2			
			22X-1, 15–16	195.55	M	A			1				2			
			22X-2, 15–16	197.05	M	A			2				2		1	
		CN5a	22X-3, 15–16	198.55	M	A			1				4		4	
			22X-4, 15–16	200.05	M	A		1	3				1		2	
			22X-5, 15–16	201.55	M	A			2				3		5	
			22X-6, 15–16	203.05	M	A			2				1		3	
			22X-7, 15–16	204.55	M	A			1						5	
			23X-1, 15–16	205.15	M	A			2				1		4	
			23X-2, 15–16	206.65	M	A			2				5		2	
			23X-3, 15–16	208.15	M	A							2		1	
			23X-4, 15–16	209.65	M	A			2				2		1	
			23X-5, 15–16	211.15	M	A			1				1		1	
			23X-6, 15–16	212.65	M	A			2				2		2	
			23X-7, 15–16	214.15	M	A			3		1		6		3	
			24X-1, 15–16	214.75	M	A			4				7		3	
			24X-2, 15–16	216.25	M	A			3				4		2	
			24X-3, 15–16	217.75	M	A			1				1		4	
			24X-4, 15–16	219.25	M	A			1				2		2	
			24X-5, 15–16	220.75	M	A			2						1	
			24X-6, 15–16	222.25	M	A			1				4		1	
			24X-7, 15–16	223.75	M	A			2				5			
			25X-1, 15–16	224.35	M	A			1						3	
			25X-2, 15–16	225.85	M	A			3				1		1	
			25X-3, 15–16	227.35	M	A			4				8		1	
			25X-4, 15–16	228.85	M	A		1	3				6			
			25X-5, 15–16	230.35	M	A			2				2			
			25X-6, 15–16	231.85	M	A			2				3			
			26X-1, 15–16	233.95	M	A			2		1		1			
			26X-2, 15–16	235.45	M	A			2				9			
			26X-3, 15–16	236.95	M	A			2							
			26X-4, 15–16	238.45	M	A			7							
			26X-5, 15–16	239.95	M	A			2				2			
			26X-6, 15–16	241.45	M	A			2				12			
		CN3–CN4	26X-7, 15–16	242.95	M	A					1		10			
			27X-1, 15–16	243.55	M	A			3				10			
			27X-2, 15–16	245.05	M	A			15			1	2			
			27X-3, 15–16	246.55	M	A			6				6			
			27X-4, 15–16	248.05	M	A			2				7			
			27X-5, 15–16	249.55	M	A			6				9			
			27X-6, 15–16	251.05	M	A			10				5			
			27X-7, 15–16	252.55	M	A		2	11				6			
			28X-1, 15–16	253.15	M	A			6				9			
			28X-2, 15–16	254.65	M	A		1	3				1			
			28X-3, 15–16	256.07	M	A		1	12			1	3			
			28X-4, 15–16	257.57	M	A			4				7			

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Helicosphaera euphratis*	*Helicosphaera granulata*	*Helicosphaera obliqua*	*Helicosphaera paleocarteri*	*Helicosphaera perch-nielsenae*	*Helicosphaera scissura*	*Helicosphaera sellii*	*Helicosphaera* spp.	*Hughesius gizoensis*	*Hughesius tasmaniae*
Miocene	late	CN6–CN7	19X-5, 15–16	172.65	M	A										
			19X-6, 15–16	174.15	M	A										
			20X-1, 15–16	176.25	M	A										
			20X-2, 15–16	177.75	M	A										
			20X-3, 15–16	179.25	M	A										
			20X-4, 15–16	180.75	M	A										
			20X-5, 15–16	182.25	M	A										
	middle	CN5b	20X-6, 15–16	183.75	M	A										
			21X-1, 15–16	185.85	M	A										
			21X-2, 15–16	187.35	M	A										
			21X-3, 15–16	188.85	M	A										
			21X-4, 15–16	190.35	M	A										
			21X-5, 15–16	191.85	M	A										
			21X-6, 15–16	193.35	M	A										
			22X-1, 15–16	195.55	M	A										
			22X-2, 15–16	197.05	M	A										
		CN5a	22X-3, 15–16	198.55	M	A								1		
			22X-4, 15–16	200.05	M	A										
			22X-5, 15–16	201.55	M	A										
			22X-6, 15–16	203.05	M	A									1	
			22X-7, 15–16	204.55	M	A								1		
			23X-1, 15–16	205.15	M	A										
			23X-2, 15–16	206.65	M	A										
			23X-3, 15–16	208.15	M	A										
			23X-4, 15–16	209.65	M	A										
			23X-5, 15–16	211.15	M	A					*1*					
			23X-6, 15–16	212.65	M	A										
			23X-7, 15–16	214.15	M	A					*2*					
			24X-1, 15–16	214.75	M	A										
			24X-2, 15–16	216.25	M	A										
			24X-3, 15–16	217.75	M	A										
			24X-4, 15–16	219.25	M	A										
			24X-5, 15–16	220.75	M	A										
			24X-6, 15–16	222.25	M	A										
			24X-7, 15–16	223.75	M	A										
			25X-1, 15–16	224.35	M	A										
			25X-2, 15–16	225.85	M	A										
			25X-3, 15–16	227.35	M	A										
			25X-4, 15–16	228.85	M	A										
			25X-5, 15–16	230.35	M	A										
			25X-6, 15–16	231.85	M	A				1						
			26X-1, 15–16	233.95	M	A				2						
			26X-2, 15–16	235.45	M	A				2		2				
			26X-3, 15–16	236.95	M	A				1				1		
			26X-4, 15–16	238.45	M	A				3		1				
			26X-5, 15–16	239.95	M	A				2				1		1
			26X-6, 15–16	241.45	M	A				6						
		CN3–CN4	26X-7, 15–16	242.95	M	A				6	1					
			27X-1, 15–16	243.55	M	A				5	3					
			27X-2, 15–16	245.05	M	A				4	1					
			27X-3, 15–16	246.55	M	A				5				1		
			27X-4, 15–16	248.05	M	A				2						
			27X-5, 15–16	249.55	M	A				1						
			27X-6, 15–16	251.05	M	A				2						
			27X-7, 15–16	252.55	M	A				1		1				
			28X-1, 15–16	253.15	M	A				4		3				
			28X-2, 15–16	254.65	M	A				1						
			28X-3, 15–16	256.07	M	A				2						
			28X-4, 15–16	257.57	M	A				4						

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Minylitha convallis*	*Pontosphaera anisotrema*	*Pontosphaera desueta*	*Pontosphaera multipora*	*Pontosphaera* spp.	*Pyrocyclus hermosus*	*Pyrocyclus orangensis*	*Reticulofenestra bisecta filewiczii*	*Reticulofenestra gelida*	*Reticulofenestra haqii*
Miocene	late	CN6–CN7	19X-5, 15–16	172.65	M	A						2			101	5
			19X-6, 15–16	174.15	M	A						1			84	3
			20X-1, 15–16	176.25	M	A						1			110	1
			20X-2, 15–16	177.75	M	A						3			96	2
			20X-3, 15–16	179.25	M	A						2			74	8
			20X-4, 15–16	180.75	M	A						3			85	5
			20X-5, 15–16	182.25	M	A						2			92	5
	middle	CN5b	20X-6, 15–16	183.75	M	A						1			93	1
			21X-1, 15–16	185.85	M	A						4			83	21
			21X-2, 15–16	187.35	M	A									69	7
			21X-3, 15–16	188.85	M	A						1			125	
			21X-4, 15–16	190.35	M	A						2			131	14
			21X-5, 15–16	191.85	M	A						1			148	8
			21X-6, 15–16	193.35	M	A						1			107	5
			22X-1, 15–16	195.55	M	A						1			93	3
			22X-2, 15–16	197.05	M	A						4			94	12
		CN5a	22X-3, 15–16	198.55	M	A						4			102	13
			22X-4, 15–16	200.05	M	A						2			104	2
			22X-5, 15–16	201.55	M	A									66	5
			22X-6, 15–16	203.05	M	A						2			42	16
			22X-7, 15–16	204.55	M	A						2			46	2
			23X-1, 15–16	205.15	M	A							1		84	6
			23X-2, 15–16	206.65	M	A						1			123	
			23X-3, 15–16	208.15	M	A						1			70	16
			23X-4, 15–16	209.65	M	A						3			93	6
			23X-5, 15–16	211.15	M	A						2			109	1
			23X-6, 15–16	212.65	M	A									79	14
			23X-7, 15–16	214.15	M	A						5			83	18
			24X-1, 15–16	214.75	M	A						1			37	18
			24X-2, 15–16	216.25	M	A						1			94	3
			24X-3, 15–16	217.75	M	A						1			83	1
			24X-4, 15–16	219.25	M	A						1	1		100	1
			24X-5, 15–16	220.75	M	A						1			81	6
			24X-6, 15–16	222.25	M	A						3		*1*	98	3
			24X-7, 15–16	223.75	M	A						3			79	17
			25X-1, 15–16	224.35	M	A						3			100	19
			25X-2, 15–16	225.85	M	A						3			75	18
			25X-3, 15–16	227.35	M	A						3			73	11
			25X-4, 15–16	228.85	M	A									54	9
			25X-5, 15–16	230.35	M	A						2			63	7
			25X-6, 15–16	231.85	M	A						1			62	2
			26X-1, 15–16	233.95	M	A						1			75	6
			26X-2, 15–16	235.45	M	A						3			58	17
			26X-3, 15–16	236.95	M	A						7			57	9
			26X-4, 15–16	238.45	M	A							3		53	5
			26X-5, 15–16	239.95	M	A						1			39	12
			26X-6, 15–16	241.45	M	A							1		28	22
		CN3–CN4	26X-7, 15–16	242.95	M	A						2			57	22
			27X-1, 15–16	243.55	M	A							1		24	22
			27X-2, 15–16	245.05	M	A							2		3	42
			27X-3, 15–16	246.55	M	A							2		1	34
			27X-4, 15–16	248.05	M	A							2			22
			27X-5, 15–16	249.55	M	A										31
			27X-6, 15–16	251.05	M	A							2		2	8
			27X-7, 15–16	252.55	M	A							3		1	17
			28X-1, 15–16	253.15	M	A							4		2	40
			28X-2, 15–16	254.65	M	A							1	*1*		41
			28X-3, 15–16	256.07	M	A							1			27
			28X-4, 15–16	257.57	M	A										51

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Reticulofenestra lockeri*	*Reticulofenestra minuta*	*Reticulofenestra minutula*	*Reticulofenestra perplexa*	*Reticulofenestra producta*	*Reticulofenestra pseudoumbilicus*	*Reticulofenestra stavensis*	*Rhabdosphaera procera*	*Sphenolithus abies*	*Sphenolithus belemnos*
Miocene	late	CN6–CN7	19X-5, 15–16	172.65	M	A		2	34	74		18				
			19X-6, 15–16	174.15	M	A			71	105		4				
			20X-1, 15–16	176.25	M	A			58	94		5				
			20X-2, 15–16	177.75	M	A			89	61		7				
			20X-3, 15–16	179.25	M	A			79	70		28				
			20X-4, 15–16	180.75	M	A			88	57		23				
			20X-5, 15–16	182.25	M	A			51	88		34				
	middle	CN5b	20X-6, 15–16	183.75	M	A			90	41		18				
			21X-1, 15–16	185.85	M	A			117	15		12				
			21X-2, 15–16	187.35	M	A			89	48		22				
			21X-3, 15–16	188.85	M	A			59	38		23				
			21X-4, 15–16	190.35	M	A			42	34		22				
			21X-5, 15–16	191.85	M	A			59	14		14				
			21X-6, 15–16	193.35	M	A			58	44		17				
			22X-1, 15–16	195.55	M	A			50	79		21				
			22X-2, 15–16	197.05	M	A			53	15		38				
		CN5a	22X-3, 15–16	198.55	M	A			45	16		18				
			22X-4, 15–16	200.05	M	A			43	22		39				
			22X-5, 15–16	201.55	M	A			65	34		48				
			22X-6, 15–16	203.05	M	A		8	51	13		62				
			22X-7, 15–16	204.55	M	A		73	40	17		21				
			23X-1, 15–16	205.15	M	A		10	83	21		9				
			23X-2, 15–16	206.65	M	A			29	12		39				
			23X-3, 15–16	208.15	M	A		6	73	11		63				
			23X-4, 15–16	209.65	M	A		3	54	14		73				
			23X-5, 15–16	211.15	M	A			56	19		41				
			23X-6, 15–16	212.65	M	A			54	37		51				
			23X-7, 15–16	214.15	M	A			34	46		33				
			24X-1, 15–16	214.75	M	A			52	75		27				
			24X-2, 15–16	216.25	M	A		2	26	53		32				
			24X-3, 15–16	217.75	M	A			32	42		13				
			24X-4, 15–16	219.25	M	A		1	27	42		15				
			24X-5, 15–16	220.75	M	A		2	38	60		44				
			24X-6, 15–16	222.25	M	A		4	55	26		29				
			24X-7, 15–16	223.75	M	A			31	55		24				
			25X-1, 15–16	224.35	M	A			41	38		30				
			25X-2, 15–16	225.85	M	A			20	76		29				
			25X-3, 15–16	227.35	M	A			39	49		62				
			25X-4, 15–16	228.85	M	A			19	77		52				
			25X-5, 15–16	230.35	M	A			23	99		38				
			25X-6, 15–16	231.85	M	A			9	64		52				
			26X-1, 15–16	233.95	M	A		3	53	16		41				
			26X-2, 15–16	235.45	M	A		2	42	43		35				
			26X-3, 15–16	236.95	M	A		1	10	35		29				
			26X-4, 15–16	238.45	M	A			38	15		30				
			26X-5, 15–16	239.95	M	A		4	70	11		46				
			26X-6, 15–16	241.45	M	A	1		61	24		18				
		CN3–CN4	26X-7, 15–16	242.95	M	A			51	8		56				
			27X-1, 15–16	243.55	M	A		8	52	25		37				
			27X-2, 15–16	245.05	M	A		1	60	5		5				
			27X-3, 15–16	246.55	M	A		4	39	2		8				
			27X-4, 15–16	248.05	M	A		1	72	5		3				
			27X-5, 15–16	249.55	M	A		5	104							
			27X-6, 15–16	251.05	M	A		1	75							
			27X-7, 15–16	252.55	M	A		4	79							
			28X-1, 15–16	253.15	M	A		2	105							
			28X-2, 15–16	254.65	M	A		1	149							
			28X-3, 15–16	256.07	M	A		8	96							
			28X-4, 15–16	257.57	M	A		2	74							

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Sphenolithus ciperoensis*	*Sphenolithus compactus*	*Sphenolithus conicus*	*Sphenolithus disbelemnos*	*Sphenolithus dissimilis*	*Sphenolithus heteromorphus*	*Sphenolithus moriformis*	*Sphenolithus moriformis* <6 µm	*Syracosphaera* spp.	*Tetralithoides sygmeonidesii*
Miocene	late	CN6–CN7	19X-5, 15–16	172.65	M	A		5								
			19X-6, 15–16	174.15	M	A		3								
			20X-1, 15–16	176.25	M	A		1						1		
			20X-2, 15–16	177.75	M	A										
			20X-3, 15–16	179.25	M	A		2								
			20X-4, 15–16	180.75	M	A		2								
			20X-5, 15–16	182.25	M	A		2								
	middle	CN5b	20X-6, 15–16	183.75	M	A		4								
			21X-1, 15–16	185.85	M	A		4								
			21X-2, 15–16	187.35	M	A		5								
			21X-3, 15–16	188.85	M	A		7					1			
			21X-4, 15–16	190.35	M	A		4								
			21X-5, 15–16	191.85	M	A		12						1		
			21X-6, 15–16	193.35	M	A		14								
			22X-1, 15–16	195.55	M	A		11								
			22X-2, 15–16	197.05	M	A		11								
		CN5a	22X-3, 15–16	198.55	M	A		3								
			22X-4, 15–16	200.05	M	A		5								
			22X-5, 15–16	201.55	M	A		5					8			
			22X-6, 15–16	203.05	M	A		6								
			22X-7, 15–16	204.55	M	A		9					3			
			23X-1, 15–16	205.15	M	A		9					4			
			23X-2, 15–16	206.65	M	A		1								
			23X-3, 15–16	208.15	M	A		2					2			
			23X-4, 15–16	209.65	M	A		2								
			23X-5, 15–16	211.15	M	A		8					5			
			23X-6, 15–16	212.65	M	A		5								
			23X-7, 15–16	214.15	M	A		1								
			24X-1, 15–16	214.75	M	A		2								
			24X-2, 15–16	216.25	M	A		2					2			
			24X-3, 15–16	217.75	M	A		2					4			
			24X-4, 15–16	219.25	M	A										
			24X-5, 15–16	220.75	M	A		1					2			
			24X-6, 15–16	222.25	M	A							1			
			24X-7, 15–16	223.75	M	A		6					3			
			25X-1, 15–16	224.35	M	A		4								
			25X-2, 15–16	225.85	M	A							1			
			25X-3, 15–16	227.35	M	A		2					4			
			25X-4, 15–16	228.85	M	A		4					8			
			25X-5, 15–16	230.35	M	A							1			
			25X-6, 15–16	231.85	M	A		7								
			26X-1, 15–16	233.95	M	A		3					2			
			26X-2, 15–16	235.45	M	A		2					1			
			26X-3, 15–16	236.95	M	A		3					3			
			26X-4, 15–16	238.45	M	A		3					2			
			26X-5, 15–16	239.95	M	A		4					8			
			26X-6, 15–16	241.45	M	A		4					6	1		
		CN3–CN4	26X-7, 15–16	242.95	M	A		3				1	2			
			27X-1, 15–16	243.55	M	A		1	1		1	2	2			
			27X-2, 15–16	245.05	M	A		3	2			3	5			
			27X-3, 15–16	246.55	M	A		8		1		5	5	3		
			27X-4, 15–16	248.05	M	A		8				1		2		
			27X-5, 15–16	249.55	M	A		11				1				
			27X-6, 15–16	251.05	M	A		3				1	2			
			27X-7, 15–16	252.55	M	A		5					3			
			28X-1, 15–16	253.15	M	A		3	1			2	2			
			28X-2, 15–16	254.65	M	A		9				1	1			
			28X-3, 15–16	256.07	M	A		8				1				
			28X-4, 15–16	257.57	M	A		10					1			

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Triquetrorhabdulus auritus*	*Triquetrorhabdulus carinatus*	*Triquetrorhabdulus challengeri*	*Triquetrorhabdulus farnsworthii*	*Triquetrorhabdulus rugosus*	*Umbilicosphaera jafari*	*Umbilicosphaera* spp.
Miocene	late	CN6–CN7	19X-5, 15–16	172.65	M	A					1		
			19X-6, 15–16	174.15	M	A					1		
			20X-1, 15–16	176.25	M	A					1		
			20X-2, 15–16	177.75	M	A					1		
			20X-3, 15–16	179.25	M	A					1		
			20X-4, 15–16	180.75	M	A					1		
			20X-5, 15–16	182.25	M	A					2		
	middle	CN5b	20X-6, 15–16	183.75	M	A					1		
			21X-1, 15–16	185.85	M	A					1		
			21X-2, 15–16	187.35	M	A					2		
			21X-3, 15–16	188.85	M	A					2		
			21X-4, 15–16	190.35	M	A					1		
			21X-5, 15–16	191.85	M	A					2		
			21X-6, 15–16	193.35	M	A					1		
			22X-1, 15–16	195.55	M	A					1		
			22X-2, 15–16	197.05	M	A					1		
		CN5a	22X-3, 15–16	198.55	M	A					3		
			22X-4, 15–16	200.05	M	A					2		
			22X-5, 15–16	201.55	M	A					2		
			22X-6, 15–16	203.05	M	A					1		
			22X-7, 15–16	204.55	M	A					3		
			23X-1, 15–16	205.15	M	A					1		
			23X-2, 15–16	206.65	M	A					2		
			23X-3, 15–16	208.15	M	A					2		
			23X-4, 15–16	209.65	M	A					1		
			23X-5, 15–16	211.15	M	A					1		
			23X-6, 15–16	212.65	M	A					1	1	
			23X-7, 15–16	214.15	M	A					1	1	
			24X-1, 15–16	214.75	M	A					1		
			24X-2, 15–16	216.25	M	A					3	1	
			24X-3, 15–16	217.75	M	A							
			24X-4, 15–16	219.25	M	A					1		
			24X-5, 15–16	220.75	M	A					1		
			24X-6, 15–16	222.25	M	A					1	1	
			24X-7, 15–16	223.75	M	A				1	1		
			25X-1, 15–16	224.35	M	A					1		
			25X-2, 15–16	225.85	M	A						1	
			25X-3, 15–16	227.35	M	A					1		
			25X-4, 15–16	228.85	M	A					1		
			25X-5, 15–16	230.35	M	A					1		
			25X-6, 15–16	231.85	M	A					1		
			26X-1, 15–16	233.95	M	A							
			26X-2, 15–16	235.45	M	A							
			26X-3, 15–16	236.95	M	A							
			26X-4, 15–16	238.45	M	A					1	1	
			26X-5, 15–16	239.95	M	A					1		
			26X-6, 15–16	241.45	M	A					1		
		CN3–CN4	26X-7, 15–16	242.95	M	A							
			27X-1, 15–16	243.55	M	A					1	1	
			27X-2, 15–16	245.05	M	A							
			27X-3, 15–16	246.55	M	A						1	
			27X-4, 15–16	248.05	M	A							
			27X-5, 15–16	249.55	M	A						1	
			27X-6, 15–16	251.05	M	A							
			27X-7, 15–16	252.55	M	A						1	
			28X-1, 15–16	253.15	M	A						1	
			28X-2, 15–16	254.65	M	A							
			28X-3, 15–16	256.07	M	A						2	
			28X-4, 15–16	257.57	M	A						3	

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Amaurolithus amplificus*	*Amaurolithus delicatus*	*Amaurolithus ninae*	*Amaurolithus primus*	*Amaurolithus tricorniculatus*	*Calcidiscus fuscus*	*Calcidiscus kingii*	*Calcidiscus leptoporus*	*Calcidiscus macintyrei*	*Calcidiscus premacintyrei*
Miocene	middle	CN3–CN4	28X-5, 15–16	259.07	M	A							1	5		7
			29X-1, 15–16	262.75	M	A								6		4
			29X-2, 15–16	264.25	M	A								7		6
			29X-3, 15–16	265.75	M	A								5		7
			29X-4, 15–16	267.25	M	A								6		7
			29X-5, 15–16	268.75	M	A								3		7
			29X-6, 15–16	270.25	M	A								4		20
			29X-7, 15–16	271.75	M	A								7		17
			30X-1, 15–16	272.35	M	A								3		6
			30X-2, 15–16	273.85	M	A						3		6		7
			30X-3, 15–16	275.35	M	A								1		1
			30X-4, 15–16	276.85	M	A								2		
			30X-5, 15–16	278.35	M	A								3		1
			30X-6, 15–16	279.85	M	A						1		4		1
			30X-7, 15–16	280.85	M	A						1		2		
			31X-1, 15–16	281.95	M	A								1		
			31X-2, 15–16	283.45	M	A						1		2		
			31X-3, 15–16	284.95	M	A								3		
			31X-4, 15–16	286.45	M	A								2		
			31X-5, 15–16	287.95	M	A								2		
			31X-6, 15–16	289.45	M	A								4		
			31X-7, 15–16	290.95	M	A								4		
			32X-1, 15–16	291.55	M	A								1		
			32X-2, 15–16	293.05	M	A								3		
		CN2	32X-3, 15–16	294.55	M	A								1		
			32X-4, 15–16	296.05	M	A						1		1		
			32X-5, 15–16	297.55	M	A										
			32X-6, 15–16	299.05	M	A								2		
			32X-7, 15–16	300.05	M	A								1		
			33X-1, 15–16	300.85	M	A										
			33X-2, 15–16	302.35	M	A								5		
			33X-3, 15–16	303.85	M	A										
			33X-4, 15–16	305.35	M	A								5		
			33X-5, 90–91	306.85	M	A										
			33X-6, 90–91	308.35	M	A								2		
			34X-1, 15–16	310.15	M	A						1		2		
			34X-2, 15–16	311.65	M	A						1		1		
			34X-3, 15–16	313.15	M	A										
		CN1c	34X-4, 15–16	314.65	M	A						2		5		
			34X-5, 15–16	316.15	M	A								2		
			34X-6, 15–16	317.65	M	A								3		
			35X-1, 15–16	319.75	M	A						2		2	1	
			35X-2, 15–16	321.25	M	A								1		
			35X-3, 15–16	322.75	M	A										
			35X-4, 15–16	324.25	M	A						4		2		
			35X-5, 15–16	325.75	M	A								1		
			35X-6, 15–16	327.25	M	A									1	
			36X-1, 15–16	329.35	M	A								1		
	early		36X-2, 15–16	330.85	M	A						1		1		
			36X-3, 15–16	332.35	M	A										
			36X-4, 15–16	333.85	M	A						1	1			
			36X-5, 15–16	335.35	M	A										
			36X-6, 15–16	336.85	M	A							1	3		
			36X-7, 15–16	338.35	M	A										
			37X-1, 15–16	338.95	M	A						1				
			37X-2, 15–16	340.45	M	A										
			37X-3, 15–16	341.95	M	A										
			37X-4, 15–16	343.45	M	A								2		
			37X-5, 15–16	344.95	M	A						1		2		

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Calcidiscus radiatus*	*Calcidiscus tropicus*	*Catinaster coalitus*	*Clausicoccus obrutus*	*Coccolithus miopelagicus*	*Coccolithus pelagicus*	*Coccolithus pelagicus* >12 µm	*Coronocyclus nitescens*	*Cryptococcolithus mediaperforatus*	*Cyclicargolithus abisectus*
Miocene	middle	CN3–CN4	28X-5, 15–16	259.07	M	A						41				3
			29X-1, 15–16	262.75	M	A						56		1		7
			29X-2, 15–16	264.25	M	A					1	24	1		1	5
			29X-3, 15–16	265.75	M	A						25		1		6
			29X-4, 15–16	267.25	M	A		1			3	46		1		5
			29X-5, 15–16	268.75	M	A		3			3	48				8
			29X-6, 15–16	270.25	M	A		2				30				6
			29X-7, 15–16	271.75	M	A						40		5		5
			30X-1, 15–16	272.35	M	A		4				71				12
			30X-2, 15–16	273.85	M	A		3				32		1		8
			30X-3, 15–16	275.35	M	A		2				35				5
			30X-4, 15–16	276.85	M	A		1				37				4
			30X-5, 15–16	278.35	M	A		3				58		1		1
			30X-6, 15–16	279.85	M	A		9				84				9
			30X-7, 15–16	280.85	M	A		4				41				16
			31X-1, 15–16	281.95	M	A		5		1		55				11
			31X-2, 15–16	283.45	M	A		2				62		2		26
			31X-3, 15–16	284.95	M	A		2				51		1		15
			31X-4, 15–16	286.45	M	A						60				11
			31X-5, 15–16	287.95	M	A						39				4
			31X-6, 15–16	289.45	M	A						19				5
			31X-7, 15–16	290.95	M	A						15				6
			32X-1, 15–16	291.55	M	A		2				37		1		4
			32X-2, 15–16	293.05	M	A		2				100				5
		CN2	32X-3, 15–16	294.55	M	A						54		1		11
			32X-4, 15–16	296.05	M	A						31		1		13
			32X-5, 15–16	297.55	M	A					1	33				7
			32X-6, 15–16	299.05	M	A		1				31		1		2
			32X-7, 15–16	300.05	M	A				1	1	35	2			10
			33X-1, 15–16	300.85	M	A				11		7		1		3
			33X-2, 15–16	302.35	M	A		1		5		40				6
			33X-3, 15–16	303.85	M	A		1				30				8
			33X-4, 15–16	305.35	M	A		1				34				10
			33X-5, 90–91	306.85	M	A						47				21
			33X-6, 90–91	308.35	M	A						23				2
			34X-1, 15–16	310.15	M	A		1				40				2
			34X-2, 15–16	311.65	M	A		1				15		1		8
			34X-3, 15–16	313.15	M	A		1				24				2
	early	CN1c	34X-4, 15–16	314.65	M	A		5				38				6
			34X-5, 15–16	316.15	M	A		4				37				2
			34X-6, 15–16	317.65	M	A						40	1			6
			35X-1, 15–16	319.75	M	A		1				48				5
			35X-2, 15–16	321.25	M	A		1				18		1		3
			35X-3, 15–16	322.75	M	A						5		1		1
			35X-4, 15–16	324.25	M	A						19		1		3
			35X-5, 15–16	325.75	M	A					1	54	3	2		
			35X-6, 15–16	327.25	M	A						43		1		1
			36X-1, 15–16	329.35	M	A					2	39	5			1
			36X-2, 15–16	330.85	M	A						32	1	3		4
			36X-3, 15–16	332.35	M	A						77				4
			36X-4, 15–16	333.85	M	A		2				44	1	1		3
			36X-5, 15–16	335.35	M	A						36		2		6
			36X-6, 15–16	336.85	M	A						56	4	4		2
			36X-7, 15–16	338.35	M	A					1	48	2	1		1
			37X-1, 15–16	338.95	M	A						88		1		3
			37X-2, 15–16	340.45	M	A		2				42				6
			37X-3, 15–16	341.95	M	A						21	2	1		2
			37X-4, 15–16	343.45	M	A		3			1	47		2		4
			37X-5, 15–16	344.95	M	A					2	38	7			

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Amaurolithus amplificus*	*Amaurolithus delicatus*	*Amaurolithus ninae*	*Amaurolithus primus*	*Amaurolithus tricorniculatus*	*Calcidiscus fuscus*	*Calcidiscus kingii*	*Calcidiscus leptoporus*	*Calcidiscus macintyrei*	*Calcidiscus premacintyrei*
Miocene	middle	CN3–CN4	28X-5, 15–16	259.07	M	A	42					1				
			29X-1, 15–16	262.75	M	A	13									
			29X-2, 15–16	264.25	M	A	9									
			29X-3, 15–16	265.75	M	A	12				1					
			29X-4, 15–16	267.25	M	A	35				1					
			29X-5, 15–16	268.75	M	A	56				1					
			29X-6, 15–16	270.25	M	A	10				1					
			29X-7, 15–16	271.75	M	A	49				10	5				
			30X-1, 15–16	272.35	M	A	25									
			30X-2, 15–16	273.85	M	A	29				1					
			30X-3, 15–16	275.35	M	A	15				4					
			30X-4, 15–16	276.85	M	A	55				4					
			30X-5, 15–16	278.35	M	A	30				19					
			30X-6, 15–16	279.85	M	A	56				8					
			30X-7, 15–16	280.85	M	A	107				12					
			31X-1, 15–16	281.95	M	A	108				5					
			31X-2, 15–16	283.45	M	A	97				2					
			31X-3, 15–16	284.95	M	A	35									
			31X-4, 15–16	286.45	M	A	27				1					
			31X-5, 15–16	287.95	M	A	23				2					
			31X-6, 15–16	289.45	M	A	32				1					
			31X-7, 15–16	290.95	M	A	72				1					
			32X-1, 15–16	291.55	M	A	36				4					
			32X-2, 15–16	293.05	M	A	29				2					
		CN2	32X-3, 15–16	294.55	M	A	41				3					
			32X-4, 15–16	296.05	M	A	29				3					
			32X-5, 15–16	297.55	M	A	68				2					
			32X-6, 15–16	299.05	M	A	26				4					
			32X-7, 15–16	300.05	M	A	34				4					
			33X-1, 15–16	300.85	M	A	23				2					
			33X-2, 15–16	302.35	M	A	19				5					
			33X-3, 15–16	303.85	M	A	25				3					
			33X-4, 15–16	305.35	M	A	19									
			33X-5, 90–91	306.85	M	A	47									
			33X-6, 90–91	308.35	M	A	31				3					
			34X-1, 15–16	310.15	M	A	20				2					
			34X-2, 15–16	311.65	M	A	20				6					
			34X-3, 15–16	313.15	M	A	23				11					
	early	CN1c	34X-4, 15–16	314.65	M	A	23				5					
			34X-5, 15–16	316.15	M	A	15				3					
			34X-6, 15–16	317.65	M	A	3				9					
			35X-1, 15–16	319.75	M	A	13				3					
			35X-2, 15–16	321.25	M	A	4				5					
			35X-3, 15–16	322.75	M	A	9				7					
			35X-4, 15–16	324.25	M	A	5				2					
			35X-5, 15–16	325.75	M	A	7				5					
			35X-6, 15–16	327.25	M	A	17				1					
			36X-1, 15–16	329.35	M	A	8				3					
			36X-2, 15–16	330.85	M	A	12				4					
			36X-3, 15–16	332.35	M	A	104				5					
			36X-4, 15–16	333.85	M	A	89				6					
			36X-5, 15–16	335.35	M	A	39				2					
			36X-6, 15–16	336.85	M	A	82				4					
			36X-7, 15–16	338.35	M	A	128									
			37X-1, 15–16	338.95	M	A	115				5					
			37X-2, 15–16	340.45	M	A	97				2					
			37X-3, 15–16	341.95	M	A	98				1					
			37X-4, 15–16	343.45	M	A	58				4					
			37X-5, 15–16	344.95	M	A	34				3					

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Discoaster petaliformis*	*Discoaster* spp. (5 ray)	*Discoaster* spp. (6 ray)	*Discoaster surculus*	*Discoaster variabilis*	*Ericsonia detecta*	*Geminilithella rotula*	*Helicosphaera ampliaperta*	*Helicosphaera carteri*	*Helicosphaera elongata*
Miocene	middle	CN3–CN4	28X-5, 15–16	259.07	M	A			6				4			
			29X-1, 15–16	262.75	M	A			5			1	3			
			29X-2, 15–16	264.25	M	A			2				2			
			29X-3, 15–16	265.75	M	A			4				3			
			29X-4, 15–16	267.25	M	A			1				1			
			29X-5, 15–16	268.75	M	A			4				2			
			29X-6, 15–16	270.25	M	A	1	2	2				5	1		
			29X-7, 15–16	271.75	M	A			5					1		
			30X-1, 15–16	272.35	M	A			5							
			30X-2, 15–16	273.85	M	A			6			5	1			
			30X-3, 15–16	275.35	M	A			6							
			30X-4, 15–16	276.85	M	A			13				2			
			30X-5, 15–16	278.35	M	A			1							
			30X-6, 15–16	279.85	M	A			9							
			30X-7, 15–16	280.85	M	A			7				5			
			31X-1, 15–16	281.95	M	A			4				2			
			31X-2, 15–16	283.45	M	A			6				1			
			31X-3, 15–16	284.95	M	A			3				2			
			31X-4, 15–16	286.45	M	A			6							
			31X-5, 15–16	287.95	M	A			4				3			
			31X-6, 15–16	289.45	M	A			1							
			31X-7, 15–16	290.95	M	A										
			32X-1, 15–16	291.55	M	A			4				3			
			32X-2, 15–16	293.05	M	A		1	10				2			
		CN2	32X-3, 15–16	294.55	M	A			2				3			
			32X-4, 15–16	296.05	M	A			3			1	2			
			32X-5, 15–16	297.55	M	A			3							
			32X-6, 15–16	299.05	M	A			6				1			
			32X-7, 15–16	300.05	M	A			3				1			
			33X-1, 15–16	300.85	M	A			2			1	4			
			33X-2, 15–16	302.35	M	A			5				6			
			33X-3, 15–16	303.85	M	A			3				2			
			33X-4, 15–16	305.35	M	A			1				7			
			33X-5, 90–91	306.85	M	A			10				2			
			33X-6, 90–91	308.35	M	A			8				3			
			34X-1, 15–16	310.15	M	A			6				1			
			34X-2, 15–16	311.65	M	A			2			2	2			
			34X-3, 15–16	313.15	M	A			14				3			
	early	CN1c	34X-4, 15–16	314.65	M	A		1	6				4			
			34X-5, 15–16	316.15	M	A			1				2			
			34X-6, 15–16	317.65	M	A		1	3				3			
			35X-1, 15–16	319.75	M	A			4							
			35X-2, 15–16	321.25	M	A			7							
			35X-3, 15–16	322.75	M	A			8			1				
			35X-4, 15–16	324.25	M	A			3				3			
			35X-5, 15–16	325.75	M	A			3							
			35X-6, 15–16	327.25	M	A										
			36X-1, 15–16	329.35	M	A			2							
			36X-2, 15–16	330.85	M	A			1							
			36X-3, 15–16	332.35	M	A		1	7							
			36X-4, 15–16	333.85	M	A			5							
			36X-5, 15–16	335.35	M	A										
			36X-6, 15–16	336.85	M	A			6							
			36X-7, 15–16	338.35	M	A										
			37X-1, 15–16	338.95	M	A			2							
			37X-2, 15–16	340.45	M	A			19							
			37X-3, 15–16	341.95	M	A			4							
			37X-4, 15–16	343.45	M	A			7							
			37X-5, 15–16	344.95	M	A			8							

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Helicosphaera euphratis*	*Helicosphaera granulata*	*Helicosphaera obliqua*	*Helicosphaera paleocarteri*	*Helicosphaera perch-nielsenae*	*Helicosphaera scissura*	*Helicosphaera sellii*	*Helicosphaera* spp.	*Hughesius gizoensis*	*Hughesius tasmaniae*
Miocene	middle	CN3–CN4	28X-5, 15–16	259.07	M	A			1	3						
			29X-1, 15–16	262.75	M	A				3						
			29X-2, 15–16	264.25	M	A				1		1				
			29X-3, 15–16	265.75	M	A				3		1				
			29X-4, 15–16	267.25	M	A				8		2				
			29X-5, 15–16	268.75	M	A	1			4						
			29X-6, 15–16	270.25	M	A				7		3				
			29X-7, 15–16	271.75	M	A				1						
			30X-1, 15–16	272.35	M	A				2						
			30X-2, 15–16	273.85	M	A	2		3	8		1				
			30X-3, 15–16	275.35	M	A				1						
			30X-4, 15–16	276.85	M	A										
			30X-5, 15–16	278.35	M	A	1			2						
			30X-6, 15–16	279.85	M	A				4		4				
			30X-7, 15–16	280.85	M	A			1	10		1				
			31X-1, 15–16	281.95	M	A	1			8						
			31X-2, 15–16	283.45	M	A				8						
			31X-3, 15–16	284.95	M	A				3						
			31X-4, 15–16	286.45	M	A				2						
			31X-5, 15–16	287.95	M	A				3						
			31X-6, 15–16	289.45	M	A				3	2					
			31X-7, 15–16	290.95	M	A			1	4						1
			32X-1, 15–16	291.55	M	A				2						2
			32X-2, 15–16	293.05	M	A				4						
		CN2	32X-3, 15–16	294.55	M	A	1			2						
			32X-4, 15–16	296.05	M	A				3	1					
			32X-5, 15–16	297.55	M	A	1									
			32X-6, 15–16	299.05	M	A				6						
			32X-7, 15–16	300.05	M	A	2			7						2
			33X-1, 15–16	300.85	M	A				2	1	1				
			33X-2, 15–16	302.35	M	A	2			3						3
			33X-3, 15–16	303.85	M	A	1			3						5
			33X-4, 15–16	305.35	M	A	2			4						12
			33X-5, 90–91	306.85	M	A				3						3
			33X-6, 90–91	308.35	M	A										1
			34X-1, 15–16	310.15	M	A			1	5					2	1
			34X-2, 15–16	311.65	M	A				9					1	2
			34X-3, 15–16	313.15	M	A			2	1	1	1			6	2
	early	CN1c	34X-4, 15–16	314.65	M	A				6						2
			34X-5, 15–16	316.15	M	A	2								1	6
			34X-6, 15–16	317.65	M	A				2	1				1	
			35X-1, 15–16	319.75	M	A				3						4
			35X-2, 15–16	321.25	M	A				1					2	2
			35X-3, 15–16	322.75	M	A								1	2	1
			35X-4, 15–16	324.25	M	A	2		1	1				2		3
			35X-5, 15–16	325.75	M	A	1			2		1				5
			35X-6, 15–16	327.25	M	A	1			1				1		2
			36X-1, 15–16	329.35	M	A	6			2	1					1
			36X-2, 15–16	330.85	M	A				2	2					3
			36X-3, 15–16	332.35	M	A	1		1			1			3	3
			36X-4, 15–16	333.85	M	A	2			2	1					6
			36X-5, 15–16	335.35	M	A	1		2	9	1	1		1		
			36X-6, 15–16	336.85	M	A			6	3	1					1
			36X-7, 15–16	338.35	M	A				1						7
			37X-1, 15–16	338.95	M	A				4		2			2	7
			37X-2, 15–16	340.45	M	A				5	1			1		
			37X-3, 15–16	341.95	M	A				1						
			37X-4, 15–16	343.45	M	A	1		1	2						
			37X-5, 15–16	344.95	M	A	1		4	2						

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Minylitha convallis*	*Pontosphaera anisotrema*	*Pontosphaera desueta*	*Pontosphaera multipora*	*Pontosphaera* spp.	*Pyrocyclus hermosus*	*Pyrocyclus orangensis*	*Reticulofenestra bisecta filewiczii*	*Reticulofenestra gelida*	*Reticulofenestra haqii*
			28X-5, 15–16	259.07	M	A						1	2			37
			29X-1, 15–16	262.75	M	A							2			29
			29X-2, 15–16	264.25	M	A							1			26
			29X-3, 15–16	265.75	M	A							3			38
		CN3–CN4	29X-4, 15–16	267.25	M	A							3			24
			29X-5, 15–16	268.75	M	A				1			2			19
			29X-6, 15–16	270.25	M	A					1					29
			29X-7, 15–16	271.75	M	A							4			25
			30X-1, 15–16	272.35	M	A				1		1	1			15
			30X-2, 15–16	273.85	M	A				3			1			16
	middle		30X-3, 15–16	275.35	M	A										19
			30X-4, 15–16	276.85	M	A										23
			30X-5, 15–16	278.35	M	A				1			2			23
			30X-6, 15–16	279.85	M	A							2			11
			30X-7, 15–16	280.85	M	A							2			11
			31X-1, 15–16	281.95	M	A				3						20
			31X-2, 15–16	283.45	M	A				1			1			10
			31X-3, 15–16	284.95	M	A							2			27
			31X-4, 15–16	286.45	M	A				1			1			18
			31X-5, 15–16	287.95	M	A				1		1	2			21
			31X-6, 15–16	289.45	M	A						3	2			26
			31X-7, 15–16	290.95	M	A						1	4			52
			32X-1, 15–16	291.55	M	A										35
			32X-2, 15–16	293.05	M	A				2						50
			32X-3, 15–16	294.55	M	A				1		1	5			39
			32X-4, 15–16	296.05	M	A							2			57
			32X-5, 15–16	297.55	M	A										25
			32X-6, 15–16	299.05	M	A							5			19
			32X-7, 15–16	300.05	M	A				1						25
			33X-1, 15–16	300.85	M	A										23
			33X-2, 15–16	302.35	M	A				2		2	3			36
Miocene		CN2	33X-3, 15–16	303.85	M	A				2		1	1			31
			33X-4, 15–16	305.35	M	A				3		1	1			14
			33X-5, 90–91	306.85	M	A							3			32
			33X-6, 90–91	308.35	M	A				1		1	1			81
			34X-1, 15–16	310.15	M	A				2		1	2			17
			34X-2, 15–16	311.65	M	A		1		1			1			24
			34X-3, 15–16	313.15	M	A		1		3		1	1			44
			34X-4, 15–16	314.65	M	A				2		1				43
			34X-5, 15–16	316.15	M	A		1								80
			34X-6, 15–16	317.65	M	A		1		2		1				45
			35X-1, 15–16	319.75	M	A				1						36
			35X-2, 15–16	321.25	M	A										36
			35X-3, 15–16	322.75	M	A						1	3			7
			35X-4, 15–16	324.25	M	A				1		2	2			30
			35X-5, 15–16	325.75	M	A				9		2				31
			35X-6, 15–16	327.25	M	A				3		1	2			14
			36X-1, 15–16	329.35	M	A				1		1	1			3
	early		36X-2, 15–16	330.85	M	A				3		1	1	14		23
			36X-3, 15–16	332.35	M	A				1			3	6		8
			36X-4, 15–16	333.85	M	A				2		3	3	1		6
			36X-5, 15–16	335.35	M	A				7		1	1	10		13
			36X-6, 15–16	336.85	M	A				7		1		13		3
			36X-7, 15–16	338.35	M	A				7		2		1		11
			37X-1, 15–16	338.95	M	A				2			1			7
			37X-2, 15–16	340.45	M	A				1			1	1		8
		CN1c	37X-3, 15–16	341.95	M	A								2		11
			37X-4, 15–16	343.45	M	A										9
			37X-5, 15–16	344.95	M	A				2			2			2

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Reticulofenestra lockeri*	*Reticulofenestra minuta*	*Reticulofenestra minutula*	*Reticulofenestra perplexa*	*Reticulofenestra producta*	*Reticulofenestra pseudoumbilicus*	*Reticulofenestra stavensis*	*Rhabdosphaera procera*	*Sphenolithus abies*	*Sphenolithus belemnos*
			28X-5, 15–16	259.07	M	A		17	126							
			29X-1, 15–16	262.75	M	A		35	135							
			29X-2, 15–16	264.25	M	A		32	181							
			29X-3, 15–16	265.75	M	A		57	137							
		CN3–CN4	29X-4, 15–16	267.25	M	A		38	117							
			29X-5, 15–16	268.75	M	A		25	120							
			29X-6, 15–16	270.25	M	A		40	139							
			29X-7, 15–16	271.75	M	A		7	122							
			30X-1, 15–16	272.35	M	A		17	140							
			30X-2, 15–16	273.85	M	A		48	118							
	middle		30X-3, 15–16	275.35	M	A		13	199							
			30X-4, 15–16	276.85	M	A		16	136							
			30X-5, 15–16	278.35	M	A		9	152							
			30X-6, 15–16	279.85	M	A		4	96							
			30X-7, 15–16	280.85	M	A		8	66							
			31X-1, 15–16	281.95	M	A		31	45							
			31X-2, 15–16	283.45	M	A		3	65							
			31X-3, 15–16	284.95	M	A		12	144							
			31X-4, 15–16	286.45	M	A		4	166							
			31X-5, 15–16	287.95	M	A		33	161							
			31X-6, 15–16	289.45	M	A		3	197							
			31X-7, 15–16	290.95	M	A		49	91							
			32X-1, 15–16	291.55	M	A		6	163							
			32X-2, 15–16	293.05	M	A		18	67							
			32X-3, 15–16	294.55	M	A		41	102							
			32X-4, 15–16	296.05	M	A		40	102							
			32X-5, 15–16	297.55	M	A		8	145							
			32X-6, 15–16	299.05	M	A		75	112							
			32X-7, 15–16	300.05	M	A		56	108							1
			33X-1, 15–16	300.85	M	A		154	44							4
			33X-2, 15–16	302.35	M	A		45	110							1
Miocene		CN2	33X-3, 15–16	303.85	M	A		84	101							1
			33X-4, 15–16	305.35	M	A		112	80							3
			33X-5, 90–91	306.85	M	A		92	38							1
			33X-6, 90–91	308.35	M	A		15	128							1
			34X-1, 15–16	310.15	M	A		113	73							2
			34X-2, 15–16	311.65	M	A		139	59							
			34X-3, 15–16	313.15	M	A		50	110							1
			34X-4, 15–16	314.65	M	A		59	89							
			34X-5, 15–16	316.15	M	A		54	74							
			34X-6, 15–16	317.65	M	A		126	50							
			35X-1, 15–16	319.75	M	A		110	70							
			35X-2, 15–16	321.25	M	A		109	113							
			35X-3, 15–16	322.75	M	A		47	193							
			35X-4, 15–16	324.25	M	A		69	128							
			35X-5, 15–16	325.75	M	A		54	97							
			35X-6, 15–16	327.25	M	A		86	113				2			
			36X-1, 15–16	329.35	M	A		92	92							
	early		36X-2, 15–16	330.85	M	A		83	102							
			36X-3, 15–16	332.35	M	A		41	17							
			36X-4, 15–16	333.85	M	A		78	32							
			36X-5, 15–16	335.35	M	A		122	42							
			36X-6, 15–16	336.85	M	A		60	21					1		
			36X-7, 15–16	338.35	M	A		25	58							
			37X-1, 15–16	338.95	M	A		21	41							
			37X-2, 15–16	340.45	M	A		26	76							
		CN1c	37X-3, 15–16	341.95	M	A		33	111							
			37X-4, 15–16	343.45	M	A	1	46	122							
			37X-5, 15–16	344.95	M	A		34	153					1		

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Sphenolithus ciperoensis*	*Sphenolithus compactus*	*Sphenolithus conicus*	*Sphenolithus disbelemnos*	*Sphenolithus dissimilis*	*Sphenolithus heteromorphus*	*Sphenolithus moriformis*	*Sphenolithus moriformis* <6 µm	*Syracosphaera* spp.	*Tetralithoides sygmeonidesii*
Miocene	middle	CN3–CN4	28X-5, 15–16	259.07	M	A		4				3				
			29X-1, 15–16	262.75	M	A		1						1		
			29X-2, 15–16	264.25	M	A		2					4			
			29X-3, 15–16	265.75	M	A							1			
			29X-4, 15–16	267.25	M	A		1				1	5			
			29X-5, 15–16	268.75	M	A							9			
			29X-6, 15–16	270.25	M	A							2			
			29X-7, 15–16	271.75	M	A						1	3			
			30X-1, 15–16	272.35	M	A						1	4	1		
			30X-2, 15–16	273.85	M	A		1				1	6			
			30X-3, 15–16	275.35	M	A						1	4			
			30X-4, 15–16	276.85	M	A		2				8	9			
			30X-5, 15–16	278.35	M	A						8	1			
			30X-6, 15–16	279.85	M	A						2	8			
			30X-7, 15–16	280.85	M	A						4	11			
			31X-1, 15–16	281.95	M	A		1				3	6	2		
			31X-2, 15–16	283.45	M	A		4				5	5			
			31X-3, 15–16	284.95	M	A		1				1	5			
			31X-4, 15–16	286.45	M	A		2				3	6			
			31X-5, 15–16	287.95	M	A						1	5			
			31X-6, 15–16	289.45	M	A							3			
			31X-7, 15–16	290.95	M	A			2				5			
			32X-1, 15–16	291.55	M	A			5			3	4			
			32X-2, 15–16	293.05	M	A		2	4			2	4	1		
		CN2	32X-3, 15–16	294.55	M	A		1					2			
			32X-4, 15–16	296.05	M	A		8			4		3			
			32X-5, 15–16	297.55	M	A		2	4				8			
			32X-6, 15–16	299.05	M	A		1		1	1		11	1		
			32X-7, 15–16	300.05	M	A		2					15			
			33X-1, 15–16	300.85	M	A				1	1		15			
			33X-2, 15–16	302.35	M	A		3		2			8			
			33X-3, 15–16	303.85	M	A				1	1		7			
			33X-4, 15–16	305.35	M	A		1	1	2	3		7			
			33X-5, 90–91	306.85	M	A		4			3		2			
			33X-6, 90–91	308.35	M	A		4			1		1			
			34X-1, 15–16	310.15	M	A		5					3			
			34X-2, 15–16	311.65	M	A		1		2	2		4			
			34X-3, 15–16	313.15	M	A		5		1	1		6			
	early	CN1c	34X-4, 15–16	314.65	M	A		2		2	1		5			
			34X-5, 15–16	316.15	M	A		4		1	4		15			
			34X-6, 15–16	317.65	M	A	1	5			1		3			
			35X-1, 15–16	319.75	M	A		2			1		2			
			35X-2, 15–16	321.25	M	A					2		3			
			35X-3, 15–16	322.75	M	A		1			1		6			
			35X-4, 15–16	324.25	M	A		7			2		10			
			35X-5, 15–16	325.75	M	A		8	1		2		9			
			35X-6, 15–16	327.25	M	A		8	1		3		5	1		
			36X-1, 15–16	329.35	M	A		5			2		6			
			36X-2, 15–16	330.85	M	A		3			2		6	1		
			36X-3, 15–16	332.35	M	A		14		1			6	1		
			36X-4, 15–16	333.85	M	A		6			3		3			
			36X-5, 15–16	335.35	M	A		2			2					
			36X-6, 15–16	336.85	M	A		1			10		1	1		
			36X-7, 15–16	338.35	M	A		7			5					
			37X-1, 15–16	338.95	M	A		5			2					
			37X-2, 15–16	340.45	M	A		6	1				7			
			37X-3, 15–16	341.95	M	A		15	2				2			
			37X-4, 15–16	343.45	M	A		7					2			
			37X-5, 15–16	344.95	M	A		2	1				3			1

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Triquetrorhabdulus auritus*	*Triquetrorhabdulus carinatus*	*Triquetrorhabdulus challengeri*	*Triquetrorhabdulus farnsworthii*	*Triquetrorhabdulus rugosus*	*Umbilicosphaera jafari*	*Umbilicosphaera* spp.
			28X-5, 15–16	259.07	M	A							
			29X-1, 15–16	262.75	M	A							
			29X-2, 15–16	264.25	M	A							
			29X-3, 15–16	265.75	M	A						3	
		CN3–CN4	29X-4, 15–16	267.25	M	A							
			29X-5, 15–16	268.75	M	A							
			29X-6, 15–16	270.25	M	A							
			29X-7, 15–16	271.75	M	A						1	
			30X-1, 15–16	272.35	M	A							
			30X-2, 15–16	273.85	M	A							
	middle		30X-3, 15–16	275.35	M	A							
			30X-4, 15–16	276.85	M	A							
			30X-5, 15–16	278.35	M	A							
			30X-6, 15–16	279.85	M	A							
			30X-7, 15–16	280.85	M	A						1	
			31X-1, 15–16	281.95	M	A							
			31X-2, 15–16	283.45	M	A							
			31X-3, 15–16	284.95	M	A							
			31X-4, 15–16	286.45	M	A							
			31X-5, 15–16	287.95	M	A							
			31X-6, 15–16	289.45	M	A							
			31X-7, 15–16	290.95	M	A							
			32X-1, 15–16	291.55	M	A							
			32X-2, 15–16	293.05	M	A							
			32X-3, 15–16	294.55	M	A							
			32X-4, 15–16	296.05	M	A							
			32X-5, 15–16	297.55	M	A							
			32X-6, 15–16	299.05	M	A							
			32X-7, 15–16	300.05	M	A							
			33X-1, 15–16	300.85	M	A	2					4	
			33X-2, 15–16	302.35	M	A						1	
Miocene		CN2	33X-3, 15–16	303.85	M	A	1					1	
			33X-4, 15–16	305.35	M	A						2	
			33X-5, 90–91	306.85	M	A							
			33X-6, 90–91	308.35	M	A							
			34X-1, 15–16	310.15	M	A							
			34X-2, 15–16	311.65	M	A						1	
			34X-3, 15–16	313.15	M	A						1	
			34X-4, 15–16	314.65	M	A							
			34X-5, 15–16	316.15	M	A							
			34X-6, 15–16	317.65	M	A	1					1	
			35X-1, 15–16	319.75	M	A						1	
			35X-2, 15–16	321.25	M	A						3	
			35X-3, 15–16	322.75	M	A							
			35X-4, 15–16	324.25	M	A						2	
			35X-5, 15–16	325.75	M	A						6	
			35X-6, 15–16	327.25	M	A							
			36X-1, 15–16	329.35	M	A		1					
	early		36X-2, 15–16	330.85	M	A		1					
			36X-3, 15–16	332.35	M	A							
			36X-4, 15–16	333.85	M	A	1	1					
			36X-5, 15–16	335.35	M	A	1	1				1	
			36X-6, 15–16	336.85	M	A	4	2	1			5	
			36X-7, 15–16	338.35	M	A							
			37X-1, 15–16	338.95	M	A							
			37X-2, 15–16	340.45	M	A							
		CN1c	37X-3, 15–16	341.95	M	A							
			37X-4, 15–16	343.45	M	A							
			37X-5, 15–16	344.95	M	A							

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Amaurolithus amplificus*	*Amaurolithus delicatus*	*Amaurolithus ninae*	*Amaurolithus primus*	*Amaurolithus tricorniculatus*	*Calcidiscus fuscus*	*Calcidiscus kingii*	*Calcidiscus leptoporus*	*Calcidiscus macintyrei*	*Calcidiscus premacintyrei*
Miocene	early	CN1c	37X-6, 15–16	346.45	M	A						1				
			37X-7, 15–16	347.95	M	A										
			38X-1, 15–16	348.55	M	A								1		
			38X-2, 15–16	350.05	M	A						1		1		
			38X-3, 15–16	351.55	M	A										
			38X-4, 15–16	353.05	M	A								2		
			38X-5, 15–16	354.55	M	A								3		
			38X-6, 15–16	356.05	M	A						1	3			
			39X-1, 15–16	358.15	M	A										
			39X-2, 15–16	359.65	M	A								4		
			39X-3, 15–16	361.15	M	A						3	5	1	1	
			39X-4, 15–16	362.65	M	A								5	3	
			39X-5, 15–16	364.15	M	A							3			
			39X-6, 15–16	365.65	M	A								3		
			39X-7, 15–16	366.87	M	A								3		

Notes: Preservation: M = moderate. Abundance: A = abundant. Italicized numbers indicate reworking. This table is also available in **ASCII.**

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Calcidiscus radiatus*	*Calcidiscus tropicus*	*Catinaster coalitus*	*Clausicoccus obrutus*	*Coccolithus miopelagicus*	*Coccolithus pelagicus*	*Coccolithus pelagicus* >12 µm	*Coronocyclus nitescens*	*Cryptococcolithus mediaperforatus*	*Cyclicargolithus abisectus*
Miocene	early	CN1c	37X-6, 15–16	346.45	M	A		1				56	3			2
			37X-7, 15–16	347.95	M	A		1				50				1
			38X-1, 15–16	348.55	M	A		1				41	2		3	2
			38X-2, 15–16	350.05	M	A						59	3		1	
			38X-3, 15–16	351.55	M	A		3				59			1	4
			38X-4, 15–16	353.05	M	A		1			1	44			1	3
			38X-5, 15–16	354.55	M	A		1				70	3	1		
			38X-6, 15–16	356.05	M	A					1	23	2	1		
			39X-1, 15–16	358.15	M	A		1			1	39	2	1	3	
			39X-2, 15–16	359.65	M	A						14			1	
			39X-3, 15–16	361.15	M	A		1			2	36	2		1	3
			39X-4, 15–16	362.65	M	A					1	29	2			1
			39X-5, 15–16	364.15	M	A					3	19	5			2
			39X-6, 15–16	365.65	M	A						34	1	2	2	4
			39X-7, 15–16	366.87	M	A		2				26	1			1

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Cyclicargolithus floridanus*	*Discoaster berggrenii*	*Discoaster brouweri*	*Discoaster challengeri*	*Discoaster deflandrei*	*Discoaster exilis*	*Discoaster extensus*	*Discoaster intercalaris*	*Discoaster loeblichii*	*Discoaster mendomobensis*
Miocene	early	CN1c	37X-6, 15–16	346.45	M	A	61				1					
			37X-7, 15–16	347.95	M	A	72				1					
			38X-1, 15–16	348.55	M	A	103				4					
			38X-2, 15–16	350.05	M	A	89									
			38X-3, 15–16	351.55	M	A	63									
			38X-4, 15–16	353.05	M	A	36				3					
			38X-5, 15–16	354.55	M	A	27				2					
			38X-6, 15–16	356.05	M	A	28				4					
			39X-1, 15–16	358.15	M	A	24				2					
			39X-2, 15–16	359.65	M	A	9				2					
			39X-3, 15–16	361.15	M	A	25				1					
			39X-4, 15–16	362.65	M	A	7									
			39X-5, 15–16	364.15	M	A	35				2					
			39X-6, 15–16	365.65	M	A	34				3					
			39X-7, 15–16	366.87	M	A	6				3					

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Discoaster petaliformis*	*Discoaster* spp. (5 ray)	*Discoaster* spp. (6 ray)	*Discoaster surculus*	*Discoaster variabilis*	*Ericsonia detecta*	*Geminilithella rotula*	*Helicosphaera ampliaperta*	*Helicosphaera carteri*	*Helicosphaera elongata*
			37X-6, 15–16	346.45	M	A			5							
			37X-7, 15–16	347.95	M	A			3							
			38X-1, 15–16	348.55	M	A			11							2
			38X-2, 15–16	350.05	M	A										
			38X-3, 15–16	351.55	M	A			9							
			38X-4, 15–16	353.05	M	A			3							
			38X-5, 15–16	354.55	M	A			1							
Miocene	early	CN1c	38X-6, 15–16	356.05	M	A			6							
			39X-1, 15–16	358.15	M	A			2			1				
			39X-2, 15–16	359.65	M	A										
			39X-3, 15–16	361.15	M	A			4							
			39X-4, 15–16	362.65	M	A			2			1				
			39X-5, 15–16	364.15	M	A		1	3							
			39X-6, 15–16	365.65	M	A										
			39X-7, 15–16	366.87	M	A		1								

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Helicosphaera euphratis*	*Helicosphaera granulata*	*Helicosphaera obliqua*	*Helicosphaera paleocarteri*	*Helicosphaera perch-nielsenae*	*Helicosphaera scissura*	*Helicosphaera sellii*	*Helicosphaera* spp.	*Hughesius gizoensis*	*Hughesius tasmaniae*
			37X-6, 15–16	346.45	M	A				1					1	
			37X-7, 15–16	347.95	M	A			5	1					3	2
			38X-1, 15–16	348.55	M	A	1		2					1		
			38X-2, 15–16	350.05	M	A			3							
			38X-3, 15–16	351.55	M	A	1			1						2
			38X-4, 15–16	353.05	M	A	2		2	4						4
			38X-5, 15–16	354.55	M	A			1	5						1
Miocene	early	CN1c	38X-6, 15–16	356.05	M	A	1		3	3	2					4
			39X-1, 15–16	358.15	M	A				2	1					
			39X-2, 15–16	359.65	M	A			3	3	2					
			39X-3, 15–16	361.15	M	A	3		2	4	1					2
			39X-4, 15–16	362.65	M	A			1	2						2
			39X-5, 15–16	364.15	M	A			2	1						6
			39X-6, 15–16	365.65	M	A	2		2	2					3	5
			39X-7, 15–16	366.87	M	A			4	3					1	5

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Helicosphaera euphratis*	*Helicosphaera granulata*	*Helicosphaera obliqua*	*Helicosphaera paleocarteri*	*Helicosphaera perch-nielsenae*	*Helicosphaera scissura*	*Helicosphaera sellii*	*Helicosphaera* spp.	*Hughesius gizoensis*	*Hughesius tasmaniae*
Miocene	early	CN1c	37X-6, 15–16	346.45	M	A								2		8
			37X-7, 15–16	347.95	M	A		1		1			1			8
			38X-1, 15–16	348.55	M	A				1			3			4
			38X-2, 15–16	350.05	M	A				2				1		1
			38X-3, 15–16	351.55	M	A				1						2
			38X-4, 15–16	353.05	M	A								1		8
			38X-5, 15–16	354.55	M	A				4				10		2
			38X-6, 15–16	356.05	M	A				1			1	3		3
			39X-1, 15–16	358.15	M	A							1			15
			39X-2, 15–16	359.65	M	A		1		4			2	2		13
			39X-3, 15–16	361.15	M	A				3		1				8
			39X-4, 15–16	362.65	M	A			1	5						6
			39X-5, 15–16	364.15	M	A				1				1		7
			39X-6, 15–16	365.65	M	A		3		1				1		10
			39X-7, 15–16	366.87	M	A		1		6						13

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Reticulofenestra lockeri*	*Reticulofenestra minuta*	*Reticulofenestra minutula*	*Reticulofenestra perplexa*	*Reticulofenestra producta*	*Reticulofenestra pseudoumbilicus*	*Reticulofenestra stavensis*	*Rhabdosphaera procera*	*Sphenolithus abies*	*Sphenolithus belemnos*
Miocene	early	CN1c	37X-6, 15–16	346.45	M	A		57	95							
			37X-7, 15–16	347.95	M	A		46	92					1		
			38X-1, 15–16	348.55	M	A		48	66							
			38X-2, 15–16	350.05	M	A		65	67							
			38X-3, 15–16	351.55	M	A		48	96							
			38X-4, 15–16	353.05	M	A		48	131							
			38X-5, 15–16	354.55	M	A		69	103							
			38X-6, 15–16	356.05	M	A		81	130							
			39X-1, 15–16	358.15	M	A		62	142							
			39X-2, 15–16	359.65	M	A		63	169					1		
			39X-3, 15–16	361.15	M	A		43	138							
			39X-4, 15–16	362.65	M	A		100	117							
			39X-5, 15–16	364.15	M	A		8	192							
			39X-6, 15–16	365.65	M	A		17	147							
			39X-7, 15–16	366.87	M	A	2	34	178							

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Sphenolithus ciperoensis*	*Sphenolithus compactus*	*Sphenolithus conicus*	*Sphenolithus disbelemnos*	*Sphenolithus dissimilis*	*Sphenolithus heteromorphus*	*Sphenolithus moriformis*	*Sphenolithus moriformis* <6 µm	*Syracosphaera* spp.	*Tetralithoides sygmeonidesii*
Miocene	early	CN1c	37X-6, 15–16	346.45	M	A		6			2					
			37X-7, 15–16	347.95	M	A		9			1		3			
			38X-1, 15–16	348.55	M	A		6			2					1
			38X-2, 15–16	350.05	M	A		8								
			38X-3, 15–16	351.55	M	A		15	2		2		1	1		
			38X-4, 15–16	353.05	M	A		8			1		4			
			38X-5, 15–16	354.55	M	A		5					2			
			38X-6, 15–16	356.05	M	A		2					2	1		
			39X-1, 15–16	358.15	M	A		2			4					
			39X-2, 15–16	359.65	M	A		4			1		2			
			39X-3, 15–16	361.15	M	A		8	1		1		1			1
			39X-4, 15–16	362.65	M	A		6			2		1			
			39X-5, 15–16	364.15	M	A		4	1		1		1			
			39X-6, 15–16	365.65	M	A		3	2				2			
			39X-7, 15–16	366.87	M	A		4			1		7			

Table T1 (continued).

Age		Zone (Okada and Bukry, 1980)	Core, section, interval (cm)	Depth (mbsf)	Preservation	Abundance	*Triquetrorhabdulus auritus*	*Triquetrorhabdulus carinatus*	*Triquetrorhabdulus challengeri*	*Triquetrorhabdulus farnsworthii*	*Triquetrorhabdulus rugosus*	*Umbilicosphaera jafari*	*Umbilicosphaera* spp.
Miocene	early	CN1c	37X-6, 15–16	346.45	M	A							
			37X-7, 15–16	347.95	M	A						1	
			38X-1, 15–16	348.55	M	A						3	
			38X-2, 15–16	350.05	M	A							
			38X-3, 15–16	351.55	M	A							
			38X-4, 15–16	353.05	M	A						1	
			38X-5, 15–16	354.55	M	A						1	
			38X-6, 15–16	356.05	M	A						1	
			39X-1, 15–16	358.15	M	A						1	
			39X-2, 15–16	359.65	M	A						7	
			39X-3, 15–16	361.15	M	A						3	
			39X-4, 15–16	362.65	M	A							
			39X-5, 15–16	364.15	M	A		1				1	
			39X-6, 15–16	365.65	M	A						1	
			39X-7, 15–16	366.87	M	A						1	