Ms 191SR-009, Table T2. Stratigraphic occurrence of diatoms, Hole 1179C.

| Epoch | Yanagisawa and Akiba, 1998 | Barron, 1985a | Core, section, interval (cm) | Depth (mbsf) | Abundance | Preservation | *Achnanthes* spp. | *Actinocyclus curvatulus* | *Actinocyclus ehrenbergii* | *Actinocyclus elliptica* | *Actinocyclus elliptica* var. *elongatus* | *Actinocyclus octonarius* | *Actinocyclus oculatus Jousé* | *Actinocyclus tenellus* | *Actinoptychus* spp. | *Alveus marina* | *Asterolampra acutiloba* | *Asterolampra greville* | *Asteromphalus arachne* | *Asteromphalus elegans* | *Asteromphalus hookeri* | *Asteromphalus oligocenicus* | *Asteromphalus parvulus* | *Asteromphalus symmetricus* | *Aulacoseira granulata* | *Azpeitia neocrenulata* | *Azpeitia nodulifer* | *Azpeitia tabularis* | *Bacterastrum hyalinum* | *Bogorovia lancettula* | *Cocconeis pinnata* | *Coscinodiscus asteromphalus* | *Coscinodiscus lewisianus* | *Coscinodiscus marginatus* | *Coscinodiscus oculus-iridis* | *Coscinodiscus radiatus* | *Dactylosolen* spp. | *Delphineis surella* | *Denticulopsis lauta* | *Diploneis* cf. *bombus* | *Eunotia* spp. | *Hemiaulus* sp. 1 | *Hemiaulus* sp. 2 | *Hemidiscus cuneiformis* | *Koizumia tatsunokuchiensis* | *Lithodesmium reynoldsii* | *Neodenticula kamtschatica* (Zabelina) Akiba and Yanagisawa | *Neodenticula koizumii* Akiba and Yanagisawa | *Neodenticula seminae* (Simonsen and Kanaya) Akiba and Yanagisawa | *Nitzschia* cf. *extincta* | *Nitzschia* cf. *interruptestriata Simonsen* | *Nitzschia fossilis* | *Nitzschia jouseae* | *Nitzschia miocenica* | *Nitzschia praereinholdii* | *Nitzschia reinholdii* | *Nitzschia rolandii* | *Nitzschia sicula* var. | *Paralia sulcata* | *Planktoniella sol* | *Pleurosigma* spp. | *Proboscia barboi* | *Proboscia curvirostris* | *Pseudoeunotia doliolus* | *Rhizosolenia* spp. | *Rossiella elongata* | *Rouxia californica* | *Rouxia* spp. | *Stellarima* spp. | *Stephanopyxis turris* | *Thalassiosira antiqua* | *Thalassiosira* cf. *complicata* | *Thalassiosira* cf. *T. decipiens* | *Thalassiosira* cf. *inura* | *Thalassiosira* cf. *kolbei* | *Thalassiosira convexa* | *Thalassiosira eccentrica* | *Thalassiosira lineata* | *Thalassiosira miocenica* | *Thalassiosira nativa* | *Thalassiosira oestrupii* | *Thalassiosira plicata* | *Thalassiosira poroseriata* | *Thalassiosira leptopus* | *Thalassiosira* sp. 10 | *Thalassiosira* sp. C Akiba 1985 | *Thalassiosira* sp. D Akiba 1985 | *Thalassiosira symmetrica* | *Thalassiothrix/Thalassionema* fragments | *Trachyneis aspera* | *Triceratium* sp. 1 | *Corbisema* spp. | *Dictyocha* cf. *aspera* | *Dictyocha brevispina* | *Dictyocha brevispina brevispina* | *Dictyocha* spp. | *Dictyocha fibula* sp. | *Dictyocha* cf. *neonautica* | *Dictyocha ornata* | *Dictyocha pulchella* | *Dictyocha* cf. *rhombica* | *Distephanus boliviensis binoculus* | *Distephanus crux crux* | *Distephanus speculum pentagonus* | *Distephanus speculum* f. *pentagonus geminum* | *Distephanus polyactis* | *Distephanus pseudofibula* | *Distephanus speculum* spp. | *Mesocena circulus* | *Mesocena diodon* ssp. *nodosa* | *Mesocena* sp. 1 |
|---|---|---

Table T2. Stratigraphic occurrence of diatoms, Hole 1179C. (See table notes. Continued on next 11 pages.)

	Yanagisawa and Akiba, 1998	Barron, 1985a	Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	*Achnanthes* spp.	*Actinocyclus curvatulus*	*Actinocyclus ehrenbergii*	*Actinocyclus ellipticus*	*Actinocyclus ellipticus* var. *elongatus*	*Actinocyclus octonarius*	*Actinocyclus oculatus Jousé*	*Actinocyclus tenellus*	*Actinoptychus* spp.	*Alveus marina*	*Asterolampra acutiloba*	*Asterolampra greville*	*Asteromphalus arachne*	*Asteromphalus elegans*	*Asteromphalus hookeri*	*Asteromphalus oligocenicus*	*Asteromphalus parvulus*	*Asteromphalus symmetricus*	*Aulacoseira granulata*	*Azpeitia neocrenulata*	*Azpeitia nodulifer*	*Azpeitia tabularis*	*Bacteriastrum hyalinum*	*Bogorovia lancettula*	*Cocconeis pinnata*	*Coscinodiscus asteromphalus*	*Coscinodiscus lewisianus*	*Coscinodiscus marginatus*	*Coscinodiscus oculus-iridus*	*Coscinodiscus radiatus*	*Dactyliosolen* spp.	*Delphineis surella*	*Denticulopsis lauta*	*Diploneis* cf. *bombus*	*Eunotia* spp.	*Hemiaulus* sp. 1	*Hemiaulus* sp. 2	*Hemidiscus cuneiformis*	*Koizumia tatsunokuchiensis*	*Lithodesmium reynoldsii*
Pleistocene	*A. oculatus* Zone	*Nitzschia reinholdii* Zone	191-1179C-																																												
			2H-1, 75–77	49.55	A	M		F	X							R							R			R	X		R			X			R	X								R		
			2H-2, 75–77	51.05	A	M		R					F		X	R			X							R	R		X						X	R								X		
			2H-3, 75–77	52.55	A	M		R	X				R										R			R			R					X	R	X						X		R		
			2H-4, 75–77	54.05	A	M		R	X				R		X														X						R	R										
			2H-5, 75–77	55.55	A	P		R	R				X			R							X			R			X			X		X	X	R								X		
			2H-6, 75–77	57.05	A	P		R	X						R	X							X		X	X									X	R					X					
			2H-7, 71–73	58.51	A	M		R					X		R	X							R			X								R		R							X			
			3H-1, 75–77	59.05	A	P	X	R	R				X			R										X										R										
			3H-2, 75–77	60.55	A	M		R					X										R				X		X					X	X	X								F		
			3H-3, 75–77	62.05	C	P		X	X				R		X			X																	X	R					X			R		
			3H-4, 75–77	63.55	A	M		F	R				X	X	X												X		X							R								R		
			3H-5, 75–77	65.05	A	M		R					R		X	X							X			X								X		R								R		
			3H-6, 75–77	66.55	A	M		R					R		X	X							R			X			R						X	R								R		
			3H-7, 37–39	67.67	A	M		R					R		R								X			X	X							R	R	R								F		
			4H-1, 75–77	68.55	C	P							R	X	R					X			X			X			X						X									X		
			4H-2, 75–77	70.05	F	P		R	X				X		X	X				X			X				R							X	R								R		
			4H-3, 75–77	71.55	A	M		F					R		R					X			X			X			X						X									R		
			4H-4, 75–77	73.05	A	M		F										X					X			R	R							R							X			R		
			4H-5, 75–77	74.55	A	M		F					R	X												X	R	X	R			X		X	X	R		X						R		
			4H-6, 75–77	76.05	A	P		R															X				X		X			X			X											
			4H-7, 75–77	77.55	A	P		F					X		X								X			X	X							X	X	R								R		
			5H-1, 75–77	78.05	A	P		R	X						X					X			R			X	X		X			X									X			R		
			5H-2, 75–77	79.55	A	M		R	X						X					X			X			X	R		R					X	X	R	X							F		
			5H-3, 75–77	81.05	A	P		X							X								X			X	R							R		R								F		
			5H-4, 75–77	82.55	A	P		R																			X							R		R								R		
			5H-5, 75–77	84.05	A	M		R						X												X	R		X					R		X	R							X		
			5H-6, 75–77	85.55	A	M		R	X					R									X				R								X	R	R									
Pliocene	*Neodenticula koizumii* Zone	*Rhizosolenia praebergonii* Subzone C																																													

Table T2 (continued).

	Yanagisawa and Akiba, 1998	Barron, 1985a	Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	*Neodenticula kamtschatica* (Zabelina) Akiba and Yanagisawa	*Neodenticula koizumii* Akiba and Yanagisawa	*Neodenticula seminae* (Simonsen and Kanaya) Akiba and Yanagisawa	*Nitzschia* cf. *extincta*	*Nitzschia* cf. *interruptestriata* Simonsen	*Nitzschia fossilis*	*Nitzschia jouseae*	*Nitzschia miocenica*	*Nitzschia praereinholdii*	*Nitzschia reinholdii*	*Nitzschia rolandii*	*Nitzschia sicula* var.	*Paralia sulcata*	*Planktoniella sol*	*Pleurosigma* spp.	*Proboscia barboi*	*Proboscia curvirostris*	*Pseudoeunotia doliolus*	*Rhizosolenia* spp.	*Rossiella elongata*	*Rouxia californica*	*Rouxia* spp.	*Stellarima* spp.	*Stephanopyxis turris*	*Thalassiosira antiqua*	*Thalassiosira* cf. *complicata*	*Thalassiosira* cf. *T. decipiens*	*Thalassiosira* cf. *inura*	*Thalassiosira* cf. *kolbei*	*Thalassiosira convexa*	*Thalassiosira eccentrica*	*Thalassiosira lineata*	*Thalassiosira miocenica*	*Thalassiosira nativa*	*Thalassiosira oestrupii*	*Thalassiosira plicata*	*Thalassiosira poroseriata*	*Thalassiosira leptopus*	*Thalassiosira sp.* 10	*Thalassiosira* sp. C Akiba 1985
			191-1179C-																																												
Pleistocene	*A. oculatus* Zone	*Nitzschia reinholdii* Zone	2H-1, 75–77	49.55	A	M		R	F			F				R		X				X	R		R				R	X							F	X		F	X				X
			2H-2, 75–77	51.05	A	M		R	F			X				R		X					X		R								X				R			R					
			2H-3, 75–77	52.55	A	M		R	F							F		X					X		X					R			X				F			F					X
			2H-4, 75–77	54.05	A	M		F	R		X	R				R					R			X	X												R			F	R				
			2H-5, 75–77	55.55	A	P		F	R		R	R				R			X	F		R			X				R				X				F			C	X				
			2H-6, 75–77	57.05	A	P		F	R		X					R		X	X			R			X				X	X	X				X		R			F					X
			2H-7, 71–73	58.51	A	M		F	R		X	R				R				X		R		X	X				X	R				X			R			C					
		Rhizosolenia praebergonii Subzone C	3H-1, 75–77	59.05	A	P		F	R	X		R				R						X			R												R			R					
			3H-2, 75–77	60.55	A	M		F	R							R						R															F			F	X				
			3H-3, 75–77	62.05	C	P		F	R			R				R						R															R			F	R				
			3H-4, 75–77	63.55	A	M		F	R	X		R						R		X		F			X				X		R		X				R			R	R				
			3H-5, 75–77	65.05	A	M		F	R			F				F		X	X			R		?	X												R			F	X				
			3H-6, 75–77	66.55	A	M		R		X		R				F		X	R	X		R			X				R	R							F	X		F	R				
			3H-7, 37–39	67.67	A	M		R	R	X	X	R				F		X	X			R			X				R	R							F			R	X				X
			4H-1, 75–77	68.55	C	P		F	R		X	R				R		X				X			R				X	X							R	R		F	R				
			4H-2, 75–77	70.05	F	P		R	X			R				R									R				X	X				X			R	X		X					
			4H-3, 75–77	71.55	A	M		F	R		X	R				F				R		F			R				R	R		X					R			R					X
			4H-4, 75–77	73.05	A	M		R	R		X	R				F			X			X			X				X	R		X					F			R					X
			4H-5, 75–77	74.55	A	M		C	F	X	R	R				F						R			R				R	R							F	X		R					X
			4H-6, 75–77	76.05	A	P		R	R			R				R						R			R					X							F			R					X
			4H-7, 75–77	77.55	A	P		R	F							R									X				X	R							F			R					
			5H-1, 75–77	78.05	A	P		R	R	X		R				F			R										R	R		X					F			R					X
			5H-2, 75–77	79.55	A	M		R	R		X	R				F				X		X			X				X	R	X						F			R					X
			5H-3, 75–77	81.05	A	P		X		X		R				R						X								X						X	R								
			5H-4, 75–77	82.55	A	P		R	X							R			R			X							R	X							R			R					X
			5H-5, 75–77	84.05	A	M		F	X		R	R				F				X		R							R	X	X						R	X		F					X
			5H-6, 75–77	85.55	A	M		F		X						R													R	F	X						F			R					

Table T2 (continued).

		Yanagisawa and Akiba, 1998	Barron, 1985a	Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	*Thalassiosira* sp. D Akiba 1985	*Thalassiosira symmetrica*	*Thalassiothrix/Thalassionema* fragments	*Trachyneis aspera*	*Triceratium* sp. 1		*Corbisema* spp.	*Dictyocha* cf. *aspera*	*Dictyocha brevispina*	*Dictyocha brevispina brevispina*	*Dictyocha* spp.	*Dictyocha fibula* sp.	*Dictyocha* cf. *neonautica*	*Dictyocha ornata*	*Dictyocha pulchella*	*Dictyocha* cf. *rhombica*	*Distephanus boliviensis binoculus*	*Distephanus crux crux*	*Distephanus speculum pentagonus*	*Distephanus speculum* f. *pentagonus geminum*	*Distephanus polyactis*	*Distephanus pseudofibula*	*Distephanus speculum* spp.	*Mesocena circulus*	*Mesocena diodon* ssp. *nodosa*	*Mesocena* sp. 1
Pliocene	Pleistocene			191-1179C-																													
		A. oculatus Zone		2H-1, 75–77	49.55	A	M			A								+												+			
				2H-2, 75–77	51.05	A	M			A								+										+		+			
				2H-3, 75–77	52.55	A	M			A								+												+			
				2H-4, 75–77	54.05	A	M			A								+												+			
				2H-5, 75–77	55.55	A	P			A								+												+			
				2H-6, 75–77	57.05	A	P			A								+												+			
			Nitzschia reinholdii Zone	2H-7, 71–73	58.51	A	M			A	X							+												+			
				3H-1, 75–77	59.05	A	P		X	A								+															
				3H-2, 75–77	60.55	A	M			A								+															
				3H-3, 75–77	62.05	C	P			F								+															
		Neodenticula koizumii Zone	*Rhizosolenia praebergonii* Subzone C	3H-4, 75–77	63.55	A	M			A																+				+			
				3H-5, 75–77	65.05	A	M			A								+												+			
				3H-6, 75–77	66.55	A	M			A								+												+			
				3H-7, 37–39	67.67	A	M			A								+												+			
				4H-1, 75–77	68.55	C	P			C																				+			
				4H-2, 75–77	70.05	F	P			F								+												+			
				4H-3, 75–77	71.55	A	M			A								+											+	+			
				4H-4, 75–77	73.05	A	M			A								+												+			
				4H-5, 75–77	74.55	A	M			A								+							+					+			
				4H-6, 75–77	76.05	A	P			A								+															
				4H-7, 75–77	77.55	A	P			A								+												+			
				5H-1, 75–77	78.05	A	P			A								+												+			
				5H-2, 75–77	79.55	A	M			A								+												+			
				5H-3, 75–77	81.05	A	P			A								+															
				5H-4, 75–77	82.55	A	P			C								+								+				+			
				5H-5, 75–77	84.05	A	M	X		A								+												+			
				5H-6, 75–77	85.55	A	M	X		A								+												+			

Table T2 (continued).

		Yanagisawa and Akiba, 1998	Barron, 1985a	Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	*Achnanthes* spp.	*Actinocyclus curvatulus*	*Actinocyclus ehrenbergii*	*Actinocyclus ellipticus*	*Actinocyclus ellipticus* var. *elongatus*	*Actinocyclus octonarius*	*Actinocyclus oculatus Jousé*	*Actinocyclus tenellus*	*Actinoptychus* spp.	*Alveus marina*	*Asterolampra acutiloba*	*Asterolampra greville*	*Asteromphalus arachne*	*Asteromphalus elegans*	*Asteromphalus hookeri*	*Asteromphalus oligocenicus*	*Asteromphalus parvulus*	*Asteromphalus symmetricus*	*Aulacoseira granulata*	*Azpeitia neocrenulata*	*Azpeitia nodulifer*	*Azpeitia tabularis*	*Bacteriastrum hyalinum*	*Bogorovia lancettula*	*Cocconeis pinnata*	*Coscinodiscus asteromphalus*	*Coscinodiscus lewisianus*	*Coscinodiscus marginatus*	*Coscinodiscus oculus-iridus*	*Coscinodiscus radiatus*	*Dactyliosolen* spp.	*Delphineis surella*	*Denticulopsis lauta*	*Diploneis* cf. *bombus*	*Eunotia* spp.	*Hemiaulus* sp. 1	*Hemiaulus* sp. 2	*Hemidiscus cuneiformis*	*Koizumia tatsunokuchiensis*	*Lithodesmium reynoldsii*
Pliocene		*Neodenticula koizumii* Zone		5H-7, 61–63	86.91	A	M		R	X					X		R							X				R						R	X	R								R		
				6H-1, 75–77	87.55	A	M		R															X			X	X						R	X	R								R		
				6H-2, 75–77	89.05	C	M		R	X							X				X						X	X		X				X	X	R								R		
				6H-3, 75–77	90.55	A	P		R	X																		X						R		X										
				6H-4, 75–77	92.05	A	M		R						X				X									R		R				R	X	R	X							R		
				6H-5, 75–77	93.55	C	M		F						X													X						R	R		X									
				6H-6, 75–77	95.05	A	M		X	X							X											X		X				R		X								X		
				6H-7, 60–62	96.4	A	M			X					X	R	X							X			X	R		X				R		X								R		
				7H-1, 75–77	97.05	C	M		X	X						R	X							X				R		X				R		R								F		
				7H-2, 75–77	98.55	A	M		R		X				X									X				R	X					R		R								R		
				7H-3, 75–77	100.05	A	M		X	X	X				X		?											R						R										R		
				7H-4, 75–77	101.55	F	P		R															X				X						X		X	X									
				7H-5, 75–77	103.05	F	M		X																			R							X	X								X		
				7H-6, 75–77	104.55	F	P																										R										X		
				7H-7, 53–55	105.83	F	P		X																			X		X				R			X							X		
				8H-1, 75–77	106.55	C	P			X	X																	X						R		R								R		
				8H-2, 75–77	108.05	C	P			X														X						X				X		X								R		
				8H-3, 75–77	109.55	A	M		R	X	X					X												R						R			X							F		
				8H-4, 75–77	111.05	C	P		X		X					X												R						R										R		
				8H-5, 75–77	112.55	C	M		X							X								X										R		X								R		
				8H-6, 75–77	114.05	C	M		X	X						X																				R								X		
				8H-7, 75–77	115.55	A	M		R	X						X					X			X				X						R		X								R		
				9H-1, 75–77	116.05	F	M		X							X								X				X						R		X								R		
				9H-2, 75–77	117.55	C	M			X						X														X				R										R		
				9H-3, 75–77	119.05	F	P		X															X				X						X										X		
				9H-4, 75–77	120.55	A	M		R	X					X	X								X				R	X	X				R			X							X		
				9H-5, 75–77	122.05	C	M		R	R						X			X					X	X			R	X					X												
				9H-6, 75–77	123.55	A	M		R	X	X				R	R												R														X		R		

Table T2 (continued).

	Yanagisawa and Akiba, 1998	Barron, 1985a	Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	*Neodenticula kamtschatica* (Zabelina) Akiba and Yanagisawa	*Neodenticula koizumii* Akiba and Yanagisawa	*Neodenticula seminae* (Simonsen and Kanaya) Akiba and Yanagisawa	*Nitzschia* cf. *extincta*	*Nitzschia* cf. *interruptestriata* Simonsen	*Nitzschia fossilis*	*Nitzschia jouseae*	*Nitzschia miocenica*	*Nitzschia praereinholdii*	*Nitzschia reinholdii*	*Nitzschia rolandii*	*Nitzschia sicula* var.	*Paralia sulcata*	*Planktoniella sol*	*Pleurosigma* spp.	*Proboscia barboi*	*Proboscia curvirostris*	*Pseudoeunotia doliolus*	*Rhizosolenia* spp.	*Rossiella elongata*	*Rouxia californica*	*Rouxia* spp.	*Stellarima* spp.	*Stephanopyxis turris*	*Thalassiosira antiqua*	*Thalassiosira* cf. *complicata*	*Thalassiosira* cf. *T. decipiens*	*Thalassiosira* cf. *inura*	*Thalassiosira* cf. *kolbei*	*Thalassiosira convexa*	*Thalassiosira eccentrica*	*Thalassiosira lineata*	*Thalassiosira miocenica*	*Thalassiosira nativa*	*Thalassiosira oestrupii*	*Thalassiosira plicata*	*Thalassiosira poroseriata*	*Thalassiosira leptopus*	*Thalassiosira* sp. 10	*Thalassiosira* sp. C Akiba 1985
Pliocene	*Neodenticula koizumii* Zone	*Rhizosolenia praebergonii* Subzone B	5H-7, 61–63	86.91	A	M		F				F				R				X		R			X				R	R						X	F	X			R					
			6H-1, 75–77	87.55	A	M		F				F				R				X		X			R				R	R						X	R				X					
			6H-2, 75–77	89.05	C	M		F				R				R				R		X							R	R		X					X	X			R					
			6H-3, 75–77	90.55	A	P		F				R				R		X		X		R			X				R	R											R					
			6H-4, 75–77	92.05	A	M		F				R				X				X?		R			X				X	R						R	R				R					
			6H-5, 75–77	93.55	C	M		F				X				R						R			X				R	R							R				R					
			6H-6, 75–77	95.05	A	M		F		R		R										R			R				R	X						R	R	X			X					
			6H-7, 60–62	96.4	A	M		F		R		R				R		R				X			R											R	R	X								
			7H-1, 75–77	97.05	C	M	X	X				R				X						X			X				X	R						X	F	X			R					
			7H-2, 75–77	98.55	A	M		F		R		F				X						R			R				R	R						R	F	X			R					X
			7H-3, 75–77	100.05	A	M	X	F		X		F				X						R			X				R	R						F	R	X			R					
	N. koizumii–kamtschatica Zone		7H-4, 75–77	101.55	F	P	R	R				R				R			X						X					R							R				R					
			7H-5, 75–77	103.05	F	M		R				R	X			R						X								R							R				X					
			7H-6, 75–77	104.55	F	P	X	X								R						X			X				X	X						R	R				R					
			7H-7, 53–55	105.83	F	P										R									X					X						R	R	X			R					
			8H-1, 75–77	106.55	C	P	R	X				X				R													R	R				R		R	R	X			R					
			8H-2, 75–77	108.05	C	P	R	R								R						R			X				R	X						X	R				R					
			8H-3, 75–77	109.55	A	M	X	X		X		X				F						X			X			X	R	R						X	R				R					
	Neodenticula kamtschatica Zone	*Nitzschia jouseae* Zone	8H-4, 75–77	111.05	C	P	X									R						X			X				R	X				X		X	R				X					
			8H-5, 75–77	112.55	C	M	X					X	X			R										X			X							X	R				X					
			8H-6, 75–77	114.05	C	M	R			X			X			R									X				X	R				X		R	X				R					
			8H-7, 75–77	115.55	A	M	R			X			R			F			R			X			X				X	R	R			R		X	F	X			R					
			9H-1, 75–77	116.05	F	M	R						R			R	X		X						X					X						X	R				R					
			9H-2, 75–77	117.55	C	M	R					X				R			R						X				X	X				X		X	R				R	X?		X		
			9H-3, 75–77	119.05	F	P	X						X			R						X			X	X			X	R							R				R					
			9H-4, 75–77	120.55	A	M	R			R		X	R			R													R	R						R	F				R	X?				
			9H-5, 75–77	122.05	C	M	R						R			R						X			X	X			X	R	X			X			R				R	X?		X		
			9H-6, 75–77	123.55	A	M	R					R	R			F						X			X	X			X	R						X	R				F			X		

Table T2 (continued).

	Yanagisawa and Akiba, 1998	Barron, 1985a	Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	*Thalassiosira* sp. D Akiba 1985	*Thalassiosira symmetrica*	*Thalassiothrix*/*Thalassionema* fragments	*Trachyneis aspera*	*Triceratium* sp. 1		*Corbisema* spp.	*Dictyocha* cf. *aspera*	*Dictyocha brevispina*	*Dictyocha brevispina brevispina*	*Dictyocha* spp.	*Dictyocha fibula* sp.	*Dictyocha* cf. *neonautica*	*Dictyocha ornata*	*Dictyocha pulchella*	*Dictyocha* cf. *rhombica*	*Distephanus boliviensis binoculus*	*Distephanus crux crux*	*Distephanus speculum pentagonus*	*Distephanus speculum* f. *pentagonus geminum*	*Distephanus polyactis*	*Distephanus pseudofibula*	*Distephanus speculum* spp.	*Mesocena circulus*	*Mesocena diodon* ssp. *nodosa*	*Mesocena* sp. 1
Pliocene	*Neodenticula koizumii* Zone		5H-7, 61–63	86.91	A	M			A								+								+				+			
			6H-1, 75–77	87.55	A	M			A								+												+			
			6H-2, 75–77	89.05	C	M			C								+												+			
			6H-3, 75–77	90.55	A	P			A								+												+			
		Rhizosolenia praebergonii Subzone B	6H-4, 75–77	92.05	A	M			A								+												+	+		
			6H-5, 75–77	93.55	C	M			C																				+	+		
			6H-6, 75–77	95.05	A	M			A								+												+	+		
			6H-7, 60–62	96.4	A	M			A																				+	+		
			7H-1, 75–77	97.05	C	M			C								+												+	+		
			7H-2, 75–77	98.55	A	M	X										+												+			
			7H-3, 75–77	100.05	A	M			A								+						+		+				+	+		
	N. koizumii–kamtschatica Zone		7H-4, 75–77	101.55	F	P	X		F																					+		
			7H-5, 75–77	103.05	F	M			F																							
			7H-6, 75–77	104.55	F	P			F								+						+									
			7H-7, 53–55	105.83	F	P			F																				+	+		
			8H-1, 75–77	106.55	C	P			C																				+			
			8H-2, 75–77	108.05	C	P			C								+												+	+		
			8H-3, 75–77	109.55	A	M			A																				+			
	Neodenticula kamtschatica Zone	*Nitzschia jouseae* Zone	8H-4, 75–77	111.05	C	P			C								+												+			
			8H-5, 75–77	112.55	C	M			C								+						+						+			
			8H-6, 75–77	114.05	C	M			C																							
			8H-7, 75–77	115.55	A	M			A								+								+					+		
			9H-1, 75–77	116.05	F	M			F								+															
			9H-2, 75–77	117.55	C	M	X		C								+								+				+			
			9H-3, 75–77	119.05	F	P			F								+												+	+		+
			9H-4, 75–77	120.55	A	M	?		A																				+			
			9H-5, 75–77	122.05	C	M	?		C														+						+			
			9H-6, 75–77	123.55	A	M			A								+						+						+			

Table T2 (continued).

	Yanagisawa and Akiba, 1998	Barron, 1985a	Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	*Achnanthes* spp.	*Actinocyclus curvatulus*	*Actinocyclus ehrenbergii*	*Actinocyclus ellipticus*	*Actinocyclus ellipticus* var. *elongatus*	*Actinocyclus octonarius*	*Actinocyclus oculatus Jousé*	*Actinocyclus tenellus*	*Actinoptychus* spp.	*Alveus marina*	*Asterolampra acutiloba*	*Asterolampra greville*	*Asteromphalus arachne*	*Asteromphalus elegans*	*Asteromphalus hookeri*	*Asteromphalus oligocenicus*	*Asteromphalus parvulus*	*Asteromphalus symmetricus*	*Aulacoseira granulata*	*Azpeitia neocrenulata*	*Azpeitia nodulifer*	*Azpeitia tabularis*	*Bacteriastrum hyalinum*	*Bogorovia lancettula*	*Cocconeis pinnata*	*Coscinodiscus asteromphalus*	*Coscinodiscus lewisianus*	*Coscinodiscus marginatus*	*Coscinodiscus oculus-iridus*	*Coscinodiscus radiatus*	*Dactyliosolen* spp.	*Delphineis surella*	*Denticulopsis lauta*	*Diploneis* cf. *bombus*	*Eunotia* spp.	*Hemiaulus* sp. 1	*Hemiaulus* sp. 2	*Hemidiscus cuneiformis*	*Koizumia tatsunokuchiensis*	*Lithodesmium reynoldsii*
Pliocene	*Neodenticula kamtschatica* Zone	*Nitzschia jouseae* Zone	9H-7, 15–17	124.45	A	M		R	X					X													R							R									R		
			10H-1, 75–77	125.55	A	M		X	X					R	X												R							R			X						R		
			10H-2, 75–77	127.05	A	M		R	X	X																	R		X					X									R		
			10H-3, 75–77	128.55	C	M		R		X		X		X				X					X	X			X							R												
			10H-4, 75–77	130.05	C	M		R		X																	F							R		R							X		
			10H-5, 75–77	131.55	C	M		R		X			X	R									R				R							X		X							R		
			10H-6, 75–77	133.05	C	M		X		X					X								X				R		X					R									R		
			10H-7, 50–52	134.3	A	M		R		R													X				F		R		X			R	X	R							F		
			11H-1, 75–77	135.05	A	M		R		R								X					X				R							R		R							R		
			11H-2, 75–77	136.55	A	M		R		X		X								X			X				R	X						R		X	X						R		
			11H-3, 75–77	138.05	C	M																	X				R		R					R	X	R									
			11H-4, 75–77	139.55	A	M		R							X								X				F							F		R							R		
			11H-5, 75–77	141.05	C	M		R		X			X		X												R								X	X							R		
			11H-6, 75–77	142.55	C	M		R		X					X					X			X				F		R							X							F		
			11H-7, 35–37	143.65	A	M		R	X				X							X				X			F		X					R		X							R		
			12H-1, 75–77	144.55	A	M		R		X			X?										R				F		R					R		R	R								
			12H-2, 75–77	146.05	A	M						X								X			X				F		R					R			R						R		
			12H-3, 75–77	147.55	A	M		R				X			X												F		R					R			R						R		
			12H-4, 75–77	149.05	A	M				X				X	X						X		X				F		X							X	R						R		
			12H-5, 75–77	150.55	A	M		X		X											X		X	X			F		X					R			R						R		
		Thalassiosira convexa Zone	12H-6, 75–77	152.05	A	M		X		X					X												F		X					R			R						X		
			12H-7, 75–77	153.55	C	M																					R							R			X						R	X	
			13H-1, 75–77	154.05	F	P																					X							R		X	X								
			13H-2, 75–77	155.55	F	P		X																			X		X					X		X							X		
			13H-3, 75–77	157.05	F	P		X																										R											
			13H-4, 75–77	158.55	F	P				X					X												X		X							X							R		
			13H-5, 75–77	160.05	F	M								X	R												X		R					X		X							X		
			13H-6, 75–77	161.55	F	M		X		X				X	X												R							R			X						X	X	
			14H-4, 73–75	168.03	F	M				X					R									X			R		F					X									R	X	
			14H-5, 73–75	169.53	C	M		X						X	X									X			X		R								X						F		

Table T2 (continued).

	Yanagisawa and Akiba, 1998	Barron, 1985a	Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	*Neodenticula kamtschatica* (Zabelina) Akiba and Yanagisawa	*Neodenticula koizumii* Akiba and Yanagisawa	*Neodenticula seminae* (Simonsen and Kanaya) Akiba and Yanagisawa	*Nitzschia* cf. *extincta*	*Nitzschia* cf. *interruptestriata* Simonsen	*Nitzschia fossilis*	*Nitzschia jouseae*	*Nitzschia miocenica*	*Nitzschia praereinholdii*	*Nitzschia reinholdii*	*Nitzschia rolandii*	*Nitzschia sicula* var.	*Paralia sulcata*	*Planktoniella sol*	*Pleurosigma* spp.	*Proboscia barboi*	*Proboscia curvirostris*	*Pseudoeunotia doliolus*	*Rhizosolenia* spp.	*Rossiella elongata*	*Rouxia californica*	*Rouxia* spp.	*Stellarima* spp.	*Stephanopyxis turris*	*Thalassiosira antiqua*	*Thalassiosira* cf. *complicata*	*Thalassiosira* cf. *T. decipiens*	*Thalassiosira* cf. *inura*	*Thalassiosira* cf. *kolbei*	*Thalassiosira convexa*	*Thalassiosira eccentrica*	*Thalassiosira lineata*	*Thalassiosira miocenica*	*Thalassiosira nativa*	*Thalassiosira oestrupii*	*Thalassiosira plicata*	*Thalassiosira poroseriata*	*Thalassiosira leptopus*	*Thalassiosira sp.* 10	*Thalassiosira* sp. C Akiba 1985
Pliocene	*Neodenticula kamtschatica* Zone	*Nitzschia jouseae* Zone	9H-7, 15–17	124.45	A	M	F			X		R	R			F									X	X			R	R							R	X			F					
			10H-1, 75–77	125.55	A	M	R			R	X	R	R			R										X			R	F							R				F			R		
			10H-2, 75–77	127.05	A	M	R					R	R			R									R				R	R						R	R	X			F			X		
			10H-3, 75–77	128.55	C	M	X					X	R			R	R													R							R							R		
			10H-4, 75–77	130.05	C	M	X			X			R			X						X			X				R	R							R				R	X?		X		
			10H-5, 75–77	131.55	C	M	R			X		F				X						X			R				X	F							R				R			X		
			10H-6, 75–77	133.05	C	M	X					R	X			R						X			X				X	X							F	X			R					
			10H-7, 50–52	134.3	A	M	R			X	X	R	X			R	X					X				X								X			R	X			R			R		
			11H-1, 75–77	135.05	A	M	X			X	X	R				F	X					X			X	X			X					X			R				X			X		
			11H-2, 75–77	136.55	A	M	R			R		F				R	X					X			X												F	R			R			R		
			11H-3, 75–77	138.05	C	M	R				X					R									X	R										X	R	X			R			X		
			11H-4, 75–77	139.55	A	M	R			X	X	R				R									X												X				X			R		
			11H-5, 75–77	141.05	C	M	R			X		R				X					X				X				X						X		R									
			11H-6, 75–77	142.55	C	M	X					R	X			R						X							X								R							X		
			11H-7, 35–37	143.65	A	M	R			X	X	X	X			R	X					X			X					X							X	X			R			X		
			12H-1, 75–77	144.55	A	M	X			X		X				R	R								X												X				R			X		
			12H-2, 75–77	146.05	A	M	X						R			R													X					X			R	X								
			12H-3, 75–77	147.55	A	M	X				X	R	R			X	X?					R			X				X					X			R				F			X		
			12H-4, 75–77	149.05	A	M	R			X		R	F				X				X				R				R			R?		R	X		X				F			R		
			12H-5, 75–77	150.55	A	M	R			R		R	R			X	X					X			R				R					R	X		X	X			R			X		
		Thalassiosira convexa Zone	12H-6, 75–77	152.05	A	M	F			R		X	?			R	R	X				X			R				R						R	X	F				X					
			12H-7, 75–77	153.55	C	M	X			X	X	X				R	R					X			X					X					X		X	X			R			R		
			13H-1, 75–77	154.05	F	P						X				X	X																				R				X					
			13H-2, 75–77	155.55	F	P						R													X													X		X						
			13H-3, 75–77	157.05	F	P										X																				X			X						
			13H-4, 75–77	158.55	F	P	?			X		X				X	X								X				X			X					F									
			13H-5, 75–77	160.05	F	M										X	X																	X			X	X		X						
			13H-6, 75–77	161.55	F	M						R				R																X		X			R			X	X					
			14H-4, 73–75	168.03	F	M						R				R	R												X			X					X				X			X		
			14H-5, 73–75	169.53	C	M				X		X				R	F				X				X				X			X		X			R	X		R	X			X		

Table T2 (continued).

	Yanagisawa and Akiba, 1998	Barron, 1985a	Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	*Thalassiosira* sp. D Akiba 1985	*Thalassiosira symmetrica*	*Thalassiothrix*/*Thalassionema* fragments	*Trachyneis aspera*	*Triceratium* sp. 1		*Corbisema* spp.	*Dictyocha* cf. *aspera*	*Dictyocha brevispina*	*Dictyocha brevispina brevispina*	*Dictyocha* spp.	*Dictyocha fibula* sp.	*Dictyocha* cf. *neonautica*	*Dictyocha ornata*	*Dictyocha pulchella*	*Dictyocha* cf. *rhombica*	*Distephanus boliviensis binoculus*	*Distephanus crux crux*	*Distephanus speculum pentagonus*	*Distephanus speculum* f. *pentagonus geminum*	*Distephanus polyactis*	*Distephanus pseudofibula*	*Distephanus speculum* spp.	*Mesocena circulus*	*Mesocena diodon* ssp. *nodosa*	*Mesocena* sp. 1
Pliocene	*Neodenticula kamtschatica* Zone	*Nitzschia jouseae* Zone	9H-7, 15–17	124.45	A	M			A								+						+						+	+	+	+
			10H-1, 75–77	125.55	A	M			A														+						+			
			10H-2, 75–77	127.05	A	M			A								+												+		+	+
			10H-3, 75–77	128.55	C	M			C								+												+			+
			10H-4, 75–77	130.05	C	M			C														+						+			
			10H-5, 75–77	131.55	C	M			C								+						+						+			
			10H-6, 75–77	133.05	C	M			C																				+	+		
			10H-7, 50–52	134.3	A	M			A		X						+						+					+	+	+		
			11H-1, 75–77	135.05	A	M			C								+												+		+	
			11H-2, 75–77	136.55	A	M			A														+						+		+	
			11H-3, 75–77	138.05	C	M			C								+											+	+			
			11H-4, 75–77	139.55	A	M			A								+												+			
			11H-5, 75–77	141.05	C	M			C								+							+					+	+		
			11H-6, 75–77	142.55	C	M			C		F						+						+						+	+		
			11H-7, 35–37	143.65	A	M			A																				+	+		
			12H-1, 75–77	144.55	A	M			A								+												+			+
			12H-2, 75–77	146.05	A	M			A								+					+			+				+			
			12H-3, 75–77	147.55	A	M			A								+								+				+	+		+
			12H-4, 75–77	149.05	A	M			A								+						+					+	+			
			12H-5, 75–77	150.55	A	M			A											+		+			+				+	+		+
		Thalassiosira convexa Zone	12H-6, 75–77	152.05	A	M			A													+	+		+				+	+		+
			12H-7, 75–77	153.55	C	M			F								+	+		+												+
			13H-1, 75–77	154.05	F	P			F				+																			
			13H-2, 75–77	155.55	F	P			F									+											+			
			13H-3, 75–77	157.05	F	P			F				+					+											+	+		
			13H-4, 75–77	158.55	F	P			F									+					+		+				+	+		
			13H-5, 75–77	160.05	F	M			F				+									+						+				
			13H-6, 75–77	161.55	F	M			F									+				+							+	+		
			14H-4, 73–75	168.03	F	M			F				+									+							+	+		
			14H-5, 73–75	169.53	C	M			C									+					+					+	+	+		

Table T2 (continued).

		Yanagisawa and Akiba, 1998	Barron, 1985a	Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	*Achnanthes* spp.	*Actinocyclus curvatulus*	*Actinocyclus ehrenbergii*	*Actinocyclus ellipticus*	*Actinocyclus ellipticus* var. *elongatus*	*Actinocyclus octonarius*	*Actinocyclus oculatus Jousé*	*Actinocyclus tenellus*	*Actinoptychus* spp.	*Alveus marina*	*Asterolampra acutiloba*	*Asterolampra greville*	*Asteromphalus arachne*	*Asteromphalus elegans*	*Asteromphalus hookeri*	*Asteromphalus oligocenicus*	*Asteromphalus parvulus*	*Asteromphalus symmetricus*	*Aulacoseira granulata*	*Azpeitia neocrenulata*	*Azpeitia nodulifer*	*Azpeitia tabularis*	*Bacteriastrum hyalinum*	*Bogorovia lancettula*	*Cocconeis pinnata*	*Coscinodiscus asteromphalus*	*Coscinodiscus lewisianus*	*Coscinodiscus marginatus*	*Coscinodiscus oculus-iridus*	*Coscinodiscus radiatus*	*Dactyliosolen* spp.	*Delphineis surella*	*Denticulopsis lauta*	*Diploneis* cf. *bombus*	*Eunotia* spp.	*Hemiaulus* sp. 1	*Hemiaulus* sp. 2	*Hemidiscus cuneiformis*	*Koizumia tatsunokuchiensis*	*Lithodesmium reynoldsii*
Miocene	*Neodenticula kamtschatica* Zone			14H-6, 75–77	171.05	F	P																																						R		
				14H-7, 75–77	172.57	C	M		X						R										R			X		X					X		X	X							R		
				16H-4, 75–77	187.05	F	P		X		X				X			R							X			X							X	X	X								X		
				16H-5, 75–77	188.55	F	M								X													R		X					R										R		
				16H-6, 75–77	190.05	C	M		X		X				X	R			X				X		X			F									X	X							R		
				16H-7, 72–74	191.52	F	M		X						X	X												R		X					X		X								X		
				17H-1, 75–77	192.05	F	P				X				X								X		X			R		X															R		
				17H-2, 75–77	193.55	F	P		X		R				R	X		X	X?						X			R							R									R		
				17H-3, 75–77	195.05	A	M		X		X		X		R	R		R					X					X		X					R		X								R		X
				17H-4, 75–77	196.55	F	P				R				X													X							R	X	X	X			X				R		
				17H-5, 75–77	198.05	C	M		X		X					X							X		R			R		X					R	X	X								X		
				17H-6, 75–77	199.55	F	M				X														X			X							X	X									R		
				17H-7, 57–59	200.87	F	M				X				X	X									X			X							X	X									X		
	Rouxia californica Zone		*Thalassiosira convexa* Zone	18H-1, 75–77	201.55	C	M				R		X		R	X		X							X			R								X			X	X				R		X
				18H-2, 75–77	203.05	C	M				X				R	X		X					X		X			F		R					X			R							R		
				18H-3, 75–77	204.55	A	M				X				X	R							X		R			F		R					X	X	X								X		
				18H-4, 75–77	206.05	C	M				X		X		X	R												X		R					X										R		
				18H-5, 75–77	207.55	C	M				X				R	R									X			R		X	X				X		X								R		
				18H-6, 75–77	209.05	C	M				X				R	F									X			F							X	X	X	X							R		
				18H-7, 74–76	210.54	C	M								R	X							X					C																X	R		
				19H-1, 72–74	211.02	A	M				F				F	X												F							X		R								R		
				19H-2, 75–77	212.55	F	M		X							R		X										X	R			X			X		R								R		
				19H-3, 75–77	214.05	C	M								X	R												X	F							X	X	X						X	F		
				19H-4, 75–77	215.55	C	M		X		R				R	X		X										X	F					X?		X	X				X		X	R		
				19H-5, 75–77	217.05	C	M		X						R	X		X										X	F				X	X	X									R		
				19H-6, 75–77	218.55	F	M				X					X		R										F						X	X	X	F	X			X		R	R		

Notes: Abundance: A = abundant, C = common, F = few, R = rare, X = present. Preservation: M = moderate, P = poor. + = presence of silicoflagellate species.

Table T2 (continued).

	Yanagisawa and Akiba, 1998	Barron, 1985a	Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	*Neodenticula kamtschatica* (Zabelina) Akiba and Yanagisawa	*Neodenticula koizumii* Akiba and Yanagisawa	*Neodenticula seminae* (Simonsen and Kanaya) Akiba and Yanagisawa	*Nitzschia* cf. *extincta*	*Nitzschia* cf. *interruptestriata Simonsen*	*Nitzschia fossilis*	*Nitzschia jouseae*	*Nitzschia miocenica*	*Nitzschia praereinholdii*	*Nitzschia reinholdii*	*Nitzschia rolandii*	*Nitzschia sicula* var.	*Paralia sulcata*	*Planktoniella sol*	*Pleurosigma* spp.	*Proboscia barboi*	*Proboscia curvirostris*	*Pseudoeunotia doliolus*	*Rhizosolenia* spp.	*Rossiella elongata*
Miocene	*Neodenticula kamtschatica* Zone	*Thalassiosira convexa* Zone	14H-6, 75–77	171.05	F	P					X					R	R				X					
			14H-7, 75–77	172.57	C	M						X				X	F									
			16H-4, 75–77	187.05	F	P										R	R								X	
			16H-5, 75–77	188.55	F	M				X						R	X								X	
			16H-6, 75–77	190.05	C	M				X	X	X				R									X	
	Rouxia californica Zone		16H-7, 72–74	191.52	F	M				X		X				X	R				X					
			17H-1, 75–77	192.05	F	P						X				R	R								X	
			17H-2, 75–77	193.55	F	P				X		X				R	R								X	X
			17H-3, 75–77	195.05	A	M				R		R				F	X				X				X	
			17H-4, 75–77	196.55	F	P				R		X				R	R								X	
			17H-5, 75–77	198.05	C	M				X		X		R		R	R								X	
			17H-6, 75–77	199.55	F	M						X		X		R	X									
			17H-7, 57–59	200.87	F	M						X		X		X	X								X	
			18H-1, 75–77	201.55	C	M				X		X		R		R	C				R				X	
			18H-2, 75–77	203.05	C	M				X		R		F		F	R								R	
		Nitzschia miocenica Zone	18H-3, 75–77	204.55	A	M				R		F		F		F	X								R	
			18H-4, 75–77	206.05	C	M				X		R				X					X				X	
			18H-5, 75–77	207.55	C	M				X		R				R					X				X	X
			18H-6, 75–77	209.05	C	M					X	X				X	X								X	
			18H-7, 74–76	210.54	C	M						X			X	F	X								R	
			19H-1, 72–74	211.02	A	M				X	X	X				F						X			X	
			19H-2, 75–77	212.55	F	M				X		R				X									X	
			19H-3, 75–77	214.05	C	M						X			X	R									R	
			19H-4, 75–77	215.55	C	M				X		X			X	R									X	
			19H-5, 75–77	217.05	C	M				X		R			X	R	X									X
			19H-6, 75–77	218.55	F	M					X	X				F	X								X	

Core, section, interval (cm)	*Rouxia californica*	*Rouxia* spp.	*Stellarima* spp.	*Stephanopyxis turris*	*Thalassiosira antiqua*	*Thalassiosira* cf. *complicata*	*Thalassiosira* cf. *T. decipiens*	*Thalassiosira* cf. *inura*	*Thalassiosira* cf. *kolbei*	*Thalassiosira convexa*	*Thalassiosira eccentrica*	*Thalassiosira lineata*	*Thalassiosira miocenica*	*Thalassiosira nativa*	*Thalassiosira oestrupii*	*Thalassiosira plicata*	*Thalassiosira poroseriata*	*Thalassiosira leptopus*	*Thalassiosira sp.* 10	*Thalassiosira* sp. C Akiba 1985
14H-6, 75–77											X									
14H-7, 75–77			R					X			X			X				X		
16H-4, 75–77			X					X			X			R	X			R		
16H-5, 75–77									X		R			R	R					
16H-6, 75–77									R					F	X			X		
16H-7, 72–74	R	X	R					X			X			X						
17H-1, 75–77	R		X						X		X			X				X		
17H-2, 75–77											R		X	X						
17H-3, 75–77	F	R	X					X	X?		R		R	R				R	X	
17H-4, 75–77	X	X	X						X		X		X		?		X	R		
17H-5, 75–77	X		X						X		R	X					X	R		
17H-6, 75–77																				
17H-7, 57–59	X		X								R	X						X		
18H-1, 75–77	X		R		F				F	X		X	R				X	R	R	
18H-2, 75–77	X		R	X	X				X	X			R				X	R		
18H-3, 75–77			R	X							X		R				R	X	R	
18H-4, 75–77			R						X				R				X			
18H-5, 75–77			R						R		X						X	R		
18H-6, 75–77	X		X	X					R		X?						X	R		
18H-7, 74–76			R						R									X	X	
19H-1, 72–74	X		X								R?	?						R	R	
19H-2, 75–77	X		X	X							X?						X	X		
19H-3, 75–77	X		X								X?						R	R	X	
19H-4, 75–77	X		X	X							X?							R	X	
19H-5, 75–77	X		X	X	X						X?						X	X	X	
19H-6, 75–77	X		R	X	X												X	R		

Table T2 (continued).

Epoch	Yanagisawa and Akiba, 1998	Barron, 1985a	Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	*Thalassiosira* sp. D Akiba 1985	*Thalassiosira symmetrica*	*Thalassiothrix/Thalassionema* fragments	*Trachyneis aspera*	*Triceratium* sp. 1		*Corbisema* spp.	*Dictyocha* cf. *aspera*	*Dictyocha brevispina*	*Dictyocha brevispina brevispina*	*Dictyocha* spp.	*Dictyocha fibula* sp.	*Dictyocha* cf. *neonautica*	*Dictyocha ornata*	*Dictyocha pulchella*	*Dictyocha* cf. *rhombica*	*Distephanus boliviensis binoculus*	*Distephanus crux crux*	*Distephanus speculum pentagonus*	*Distephanus speculum* f. *pentagonus geminum*	*Distephanus polyactis*	*Distephanus pseudofibula*	*Distephanus speculum* spp.	*Mesocena circulus*	*Mesocena diodon* ssp. *nodosa*	*Mesocena* sp. 1
Miocene	*Neodenticula kamtschatica* Zone	*Thalassiosira convexa* Zone	14H-6, 75–77	171.05	F	P			F																			+	+			
			14H-7, 75–77	172.57	C	M			C									+											+			
			16H-4, 75–77	187.05	F	P			F									+			+				+			+				
			16H-5, 75–77	188.55	F	M			R										+													
			16H-6, 75–77	190.05	C	M			C					+	+			+											+			
	Rouxia californica Zone		16H-7, 72–74	191.52	F	M			F												+				+				+			
			17H-1, 75–77	192.05	F	P			F					+											+							
			17H-2, 75–77	193.55	F	P			F																				+			
			17H-3, 75–77	195.05	A	M			A					+				+							+			+	+			
			17H-4, 75–77	196.55	F	P			F					+	+																	
			17H-5, 75–77	198.05	C	M			A																							
			17H-6, 75–77	199.55	F	M			F																							
			17H-7, 57–59	200.87	F	M			F																							
			18H-1, 75–77	201.55	C	M			A												+				+				+			
			18H-2, 75–77	203.05	C	M			A									+			+				+	+		+				
		Nitzschia miocenica Zone	18H-3, 75–77	204.55	A	M			A												+								+			
			18H-4, 75–77	206.05	C	M			C					+	+							+										
			18H-5, 75–77	207.55	C	M			C												+	+										
			18H-6, 75–77	209.05	C	M			C					+	+																+	
			18H-7, 74–76	210.54	C	M			A						+						+								+			
			19H-1, 72–74	211.02	A	M			A						+						+								+			
			19H-2, 75–77	212.55	F	M			C				+	+	+	+													+			
			19H-3, 75–77	214.05	C	M			A				+		+														+			
			19H-4, 75–77	215.55	C	M			A					+	+	+					+								+			
			19H-5, 75–77	217.05	C	M			A																							
			19H-6, 75–77	218.55	F	M			C																							