

Table 1 Percentage Distribution of Neogene Silicoflagellates and Relative Abundances of Some Coccolithophorids of Sado Island, Niigata Prefecture, Japan

Series		Upper Miocene																																														Pliocene																																					
Rock Units		Tsurushi Formation							Nakayama Formation																																							Sawane Formation																																					
Biostratigraphic Units	Silicoflagellata	<i>Dist. speculum</i> Zone																																														Variable Zone	<i>Dist. crux speculum</i> Zone																																				
	Coccolith phorid																																															<i>Braarudosphaera bigelowi</i> Coccolithus pelagicus Zone																																					
Species	Sample Number	AIKAWA																																														AIKAWA																																					
		13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	72	58	59	60	63	61	64	65	62	66	68	69	71	67	70																								
SILICOFLAGELLATA																																																																								A B													
<i>Lyramura</i> sp.																																																																																					
<i>Mesocena circulus</i>																																																																																					
<i>M. diodon</i>																																																																																					
<i>M. triangula</i>																																																																																					
<i>M. quadrangula</i>																																																																																					
<i>M. elliptica</i> var. <i>quadrangula</i>																																																																																					
<i>M. pentagona</i>																																																																																					
<i>M. hexagona</i>																																																																																					
<i>Mesocena</i> (?) <i>sadonica</i> n. sp.																																																																																					
<i>Dictyocha triacantha</i>																																																																																					
<i>D. triacantha</i> var. <i>apiculata</i>																																																																																					
<i>D. ausonia</i>																																																																																					
<i>D. fibula</i>																																																																																					
<i>D. fibula</i> <i>rhombica</i>																																																																																					
<i>D. fibula</i> var. <i>sadonica</i> n. var.																																																																																					
<i>D. fibula</i> var. <i>subarcticus</i>																																																																																					
<i>D. fibula</i> var. <i>messanensis</i>																																																																																					
<i>D. fibula</i> var. <i>pentagonalis</i>																																																																																					
<i>D. fibula</i> var. <i>hexagona</i>																																																																																					
<i>D. fibula</i> forma <i>mesocenoidea</i>																																																																																					
<i>D. cf. octogona</i>																																																																																					
<i>D. pseudofibula</i>																																																																																					
<i>D. paradistephanus</i>																																																																																					
<i>Distephanus trigonus</i> n. sp.																																																																																					
<i>D. crux</i>																																																																																					
<i>D. crux</i> var. <i>schauslandii</i>																																																																																					
<i>D. speculum</i>																																																																																					
<i>D. speculum</i> var. <i>pentagonus</i>																																																																																					
<i>D. speculum</i> var. <i>septenarius</i>																																																																																					
<i>D. speculum</i> var. <i>octonarius</i>																																																																																					
<i>D. speculum</i> var. <i>polyactis</i>																																																																																					
<i>D. speculum</i> var. <i>pseudocrux</i>																																																																																					
<i>Cannopilus pentagonus</i> n. sp.																																																																																					
<i>C. binocularis</i>																																																																																					
<i>C. triomatus</i>																																																																																					
<i>C. boliviniensis</i> var. <i>major</i>																																																																																					
<i>C. hemisphaericus</i>																																																																																					
<i>C. jouseae</i>																																																																																					
Total Population in 1/400 g of dry rock																																																																																					
Dictyocha/Distephanus Ratio																																																																																					
INCERTA SEDIS																																																																																					
<i>Pseudomesocena japonica</i> n. sp. (number of specimens)																																																																																					
<i>Pseudoroella coronata</i> (number of specimens)																																																																																					
COCCOLITHOPHORID																																																																																					
<i>Coccolithus pelagicus</i>																																																																																					
<i>Braarudosphaera bigelowi</i>																																																																																					

A : Abundant C : Common F : Few R : Rare

TSUBAKI