	Age	Zone (Okada and Bukry [1980])	Samples	Birkelundia staurion Braarudosphaera bigelowii Bramletteius serraculoides Calcidiscus protoannulus Campylosphaera dela	Campylosphaera eodela Chiasmolithus bidens Chiasmolithus californicus Chiasmolithus consuetus	Chiasmolithus danicus Chiasmolithus expansus Chiasmolithus gigas Chiasmolithus gigas Chiasmolithus grandis	Chiasmolithus medius Chiasmolithus mutatus Chiasmolithus nitidus Chiasmolithus oamaruensis	Chiasmolithus solitus Chiasmolithus titus Coccolithus crassus Coccolithus pelagicus	Coronocyclus nitescens Cruciplacolithus asymmetricus Cruciplacolithus cribellum Cruciplacolithus frequens	Cruciplacolithus latipons Cruciplacolithus sp. Cruciplacolithus tenuis	Cyclicargolithus vanheckii Cyclicargolithus spp. Dictyococcites bisectus Dictyococcites scrippsae	Discoaster "prenodifer" Discoaster "presaipanensis" Discoaster "pretanii"	Discoaster barbadiensis Discoaster binodosus Discoaster boulangeri	Discoaster deltandret Discoaster falcatus Discoaster keupperi Discoaster lenticularis	Discoaster lodoensis Discoaster mohleri Discoaster multiradiatus	Discoaster nobilis Discoaster nodifer Discoaster okadai	Discoaster saipanensis Discoaster salisburgensis Discoaster sp.	Discoaster strictus Discoaster tanii	Etipsolinus boliu Ellipsolithus distichus Ellipsolithus lajollaensis Ellipsolithus macellus	Elipsolithus sp. Ericsonia cava Ericsonia cf. E. robusta	Ericsonia formosa Ericsonia insolita Ericsonia obruta	Ericsonia subdisticha Ericsonia subpertusa Ogounus	Fasciculithus alanii Fasciculithus billii Fasciculithus billii	Fasciculithus involutus Fasciculithus lilianae Fasciculithus pileatus	Fasciculithus richardii Fasciculithus schaubii Fasciculithus stonehengei	Fasciculithus thomasii Fasciculithus tonii Fasciculithus tympaniformis	Fasciculithus ulii Helicosphaera dinesenii Helicosphaera heezenii Helicosphaera lonhaa	Helicosphaera papillata Helicosphaera reticulata Helicosphaera seminulum	Heliolithus cantabriae Heliolithus kleinpellii Heliolithus riedelii	Lophodolithus mochloporus Lophodolithus nascens Lophodolithus rotundus	Markalius inversus Micula sp. Nannotetrina fulgens	Neochiastozygus cerae Neochiastozygus chiastus Neochiastozygus concinnus	Neochiastozygus distentus Neochiastozygus junctus Neochiastozygus modestus	Neochiastozygus perfectus Neochiastozygus primitivus Neochiastozygus saepes Neoccochithes dubius	Neococolithes protenus Neocrepidolithus biskayae Neocrepidolithus bukryi	Neocrepidolithus sp. Pedinocyclus "prelarvalis" Pedinocyclus larvalis	Placozygus sigmoides Pontosphaera scissura Pontosphaera sp.	Prinsius bisulcus Prinsius dimorphosus Prinsius martinii	Keticulofenestra "grandis" Reticulofenestra dictyoda Reticulofenestra hillae Reticulofenestra reticulata	Reticulofenestra umbilicus Rhabdosphaera inflata Sphenolithus "spinatus"	Sphenolithus anarrhopus Sphenolithus conspicuus Sphenolithus editus	Sphenolithus furcatolithoides Sphenolithus moriformis Sphenolithus obtusus	Sphenolithusphanknollensis Sphenolithus predistentus Sphenolithus pseudoradians	Sphenolithus radians Sphenolithus spiniger Sphenolithus spiniger	Sprenolithus stellatus Striatococcus pacificus Thoracosphaera operculata Toweius callosus	Toweius eminens Toweius gammation Toweius occultatus	Toweius pertusus Toweius sp. Tribrachiatus bramlettei?	Tribrachiatus contonus: Tribrachiatus orthostylus Triquetrorhabdulus inversus Zygodiscus adamas	Lygodiscus bramlettei 7-vorhahlithus hijugatus
Oligoc	ene early late middle early early	CP16 2H 2H 2H 3H	-1, 13-15 -1, 113 -2, 20-22 -2, 100 -3, 20-22 -3, 115 -4, 100-12 -4, 100 -5, 70-72 -5, 100 -6, 20-22 -6, 70-72 -6, 70-72 -	R R		R R R F C F F R R R R F R C R R R F R R R R	R R R R R R R R R R R R R R R R R R R	R R	C R	R	C C C C C C C C C C C C C C C C C C C	F . F . F R . F R R R . R R . R R R . R R R R	R	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	R	R R R R R R R R R R R R R R R R R R R	R	FRRRFRRRR		FRRRRR RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	F F F F F F F R R F C F C F F F F F F F	RRRRFRRRRFFRRRRRRRRRRRRRRRRFFFRRF					R R			R R		R			R	R R R R R R R R R R R R R R R R R R R	R R	1 : 3	R R R R	R R R C C C C C C C C C C C C F F R C C C C		RRRRFRF FFRRRRFRFRFRFRRRRRRRRRRRRRRRRR	R R	R R R R F R R R R R R R	R	R R R R R R R R R R R R R R R R R R R	R R C C C C R R C C C R R C C C R R C C C R R C C C R R C C C R R C C C R R C C C R R C C C C C R R C C C C C C R R C C C C C C R R C C C C C C R R C C C C C C R R C C C C C C R R C C C C C C C R R C C C C C C R R C C C C C C R R C C C C C C R R C C C C C C R R C C C C C C R R C C C C C C R R C C C C C C R R C C C C C C R R C C C C C C R R C C C C C C R R C C C C C C R R C C C C C C R R C C C C C C R R C C C C C C C R R C C C C C C R R C	R	
Paleoc	late	CP9 100 100 100 100 100 100 100 100 100 10	H-5, 60-62 H-5, 111-6 H-CC H-1, 20-22 H-1, 70-71 H-1, 129 H-2, 20-22 H-2, 70-71 H-3, 100 H-4, 100 H-5, 100 H-6, 20-22 H-1, 70-72 H-1, 100 H-2, 100 H-3, 100 H-3, 100 H-4, 100 H-5, 100 H-5, 100 H-5, 100 H-5, 100 H-5, 100 H-6, 20-22 H-6, 70-72 H-7, 100 H-8, 100 H-1, 11-23 H-1, 100 H-1, 11-23 H-1, 100 H-2, 11-23 H-1, 100 H-2, 11-3 H-1, 100 H-3, 120-5 H-5, 100 H-5, 120-5 H-6, 20-22 H-1, 110 H-1, 21-23 H-1, 100 H-2, 111 H-3, 21-23 H-1, 100 H-4, 100 H-5, 120-5 H-6, 20-22 H-1, 116 H-1, 21-23 H-1, 100 H-2, 111 H-3, 21-23 H-1, 100 H-4, 18-20 H-4, 100 H-5, 100 H-5, 100 H-6, 20-22 H-1, 116 H-5, 100 H-6, 20-22 H-1, 116 H-5, 100 H-5, 100 H-6, 20-22 H-1, 116 H-5, 100 H-5, 20-22 H-1, 100 H-5, 20-22 H-1, 110	R R R R R R R R R R R R R R R R R R R	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	R R		R R	R R R R R R R R R R R R R R R R R R R	RR RR RF RR R			第	R R R R R R R R R R R R R R R R R R R	RRFFRFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF	R			R	C R R R R R R R R R R R R R R R R R R R		CFFFFFFCCCFRCCFFFCCCCCRCFCCCCRCFCCFCFFFRRRRRR	R	RRRFFFCRCFRCRRFRRRFRRRRRRRRRRRRRRRRRRR	R R R R R R R R R R R R R R R R R R R	C R F F C C F C F C F C F C F C F C F C				R R R R R R R R R R R R R R R R R R R	R	R	R	R.RR.RR.R.RRR.RR.RR.RR.RR.RR.R	R	R R R R R R R R R R R R R R R R R R R		. R.			. R R R R R R R R R R R R R R R R R R R	C F F C C C F C C C F C C F A C C F R F F F C F F C C C R C F F F F F		ino	R	F . F . F . F . F . F . F . F . F . F .	KFR FR CFR R FF R R CFR R CFF C CAACCARFR R R R R R R R R R R R R R R R R R R		R