

Age	Standard Chronostratigraphy		Calcareous Nannoplankton	ZONE BioStrat 2011	BIOEVENTS	
	Sub-Epoch	Stage				
25	Late Oligocene	Chattian	NN1	PZ31	M.aspinatum, C.galea	
			NP25	PZ30	D.bifffii, C.lobo spinosum, Dinocyst VI Manum 1976	E.burdigalensis, T.vancampoa
			NP24	PZ29	C.diversispinosum	
			NP24	PZ28	G.aechmophorum, D.ancistroides	
30	Early Oligocene	Rupelian	NP23	PZ27	A.semicirculata, W.goichi, W.symmetrica s.l., S.pansum	
			NP22	PZ26	S.cooksoniae, Spiniferites sp. 2 Manum et al.	
			NP21	PZ25	D.granulatum, R.draco	P.imaginatum, A.cladodichotima
			NP19-20	PZ24	E.arcuata, E.pectiniformis, C.giuseppei, P.amoenum, L.hyalina, D.tenerum	
35	Late Eocene	Priabonian	NP18	PZ23	A.spiridoides, D.bifffii	
			NP17	PZ22	A.biformoides, F.axisialis, A.semicirculata CMN, P.geminatum, P.multipspinum, S.cornutus	A.andalusiense
			NP17	PZ21	E.arcuata CMN, G.conopeum	Spansum
			NP16	PZ20	S.manum, S.chlamydophora, C.incompositum s.l.	A.austaliense
40	Middle Eocene	Bartonian	NP15	PZ19	D.granulata "ovale" CMN, D.leptodermata CMN	C.lobo spinosum
			NP15	PZ18	P.comatum CMN, O.divergens	
			NP14	PZ18 b	A.diktyoplokum	W.goichi
			NP14	PZ18 a	G.semitecta	
45	Early Eocene	Ypresian	NP13	PZ17 b	A.michoudii	
			NP13	PZ17 a	C.bartoniensis,	E.arcuata ACME
			NP12	PZ16	R.perforatum	D.granulata ACME
			NP12	PZ15	R.porosum, R.borussica, H.porosa	D.leptodermata CMN, R.reticulata
50			NP11	PZ14 b	H.leptalea, W.ovalis	D.granulata "ovale" CMN
			NP11	PZ14 a	A.sentosa/tauloma	D.granulata CMN
			NP10	PZ13 b	D.colligerum, R.rhomboideum, C.placacanthum CMN	A.semicirculata
			NP10	PZ13 a	A.michoudii CMN, P.distinctum, P.powelli	P.comatum CMN
55	Late Paleocene	Thanetian	NP8*	PZ12	R.draco	
			NP8*	PZ11	C.cantharellus	
			NP8	PZ10	P.distinctum ACME	
			NP7	PZ9	P.distinctum, W.ovalis	
60	Middle Paleocene	Selandian	NP6	PZ8	P.geminatum CMN	
			NP6	PP7	P.filamentosa	
			NP5	PZ6	H.tenuispinosum ACME	D.pseudofucusoides ACME
			NP5	PZ5	H.tubiferum ABT	A.sentosa/tauloma
			NP4	PZ4	D.oebisfeldensis ABT	P.clithridium/regalis CMN
			NP4	PZ3	C.dartmooreum, C.speciosum, P.magnificum	E.arcuata
			NP3	PZ2	C.wardenensis CMN	P.regalis, P.clithridium
65	Early Paleocene	Danian	NP2	PZ1	Apectodinium spp. ABT	P.levimirum, R.ornata
			NP2		A.margarita, A.gippingensis,	A.ebdonii
			NP1		L."obscurus", S."rhomboideus"	D.simile ACME
			NP1		S."membranispina"	E.ursulae, E.glabra
					A.gippingensis CMN	Acf.medusettiformis ABT
					L."obscurus"	D.raculum spp.
					S."rhomboideus"	D.politum ACME
					S."membranispina"	D.simile ACME
					P.bulliforme, P.pyrophorum	E.ursulae
					P.pyrophorum ABT, Areoligera spp. ABT	E.glabra
					L.vibrogense, C.saepium, F.annetorpense	A.gippingensis CMN
					T.rotalata, D.californicum	L.viborgense
					S."magnificus", C.diebelii	P.bulliforme ACME
					S."magnificus" CMN, A.reticulata	T.rotalata
					S.inornata	
					S."magnificus" CMN	
					A.reticulata	
					C cornuta	