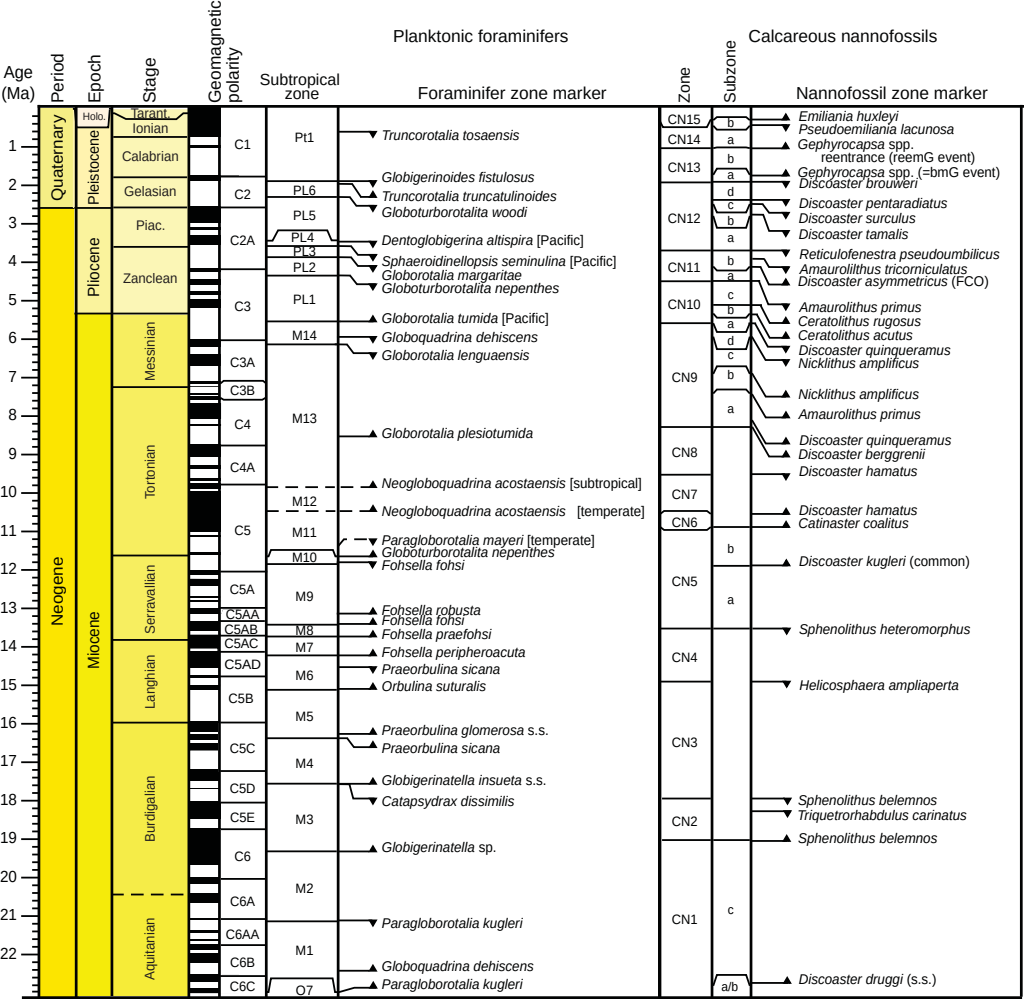
Age (Ma)
Period
Epoch
Stage
Geomagnetic polarity
Subtropical zone
Planktonic foraminifers
Foraminifer zone marker
Zone
Subzone
Calcareous nannofossils
Nannofossil zone marker
Quaternary
Neogene
Holo.
Pleistocene
Pliocene
Miocene
Tarant.
Ionian
Calabrian
Gelasian
Piac.
Zanclean
Messinian
Tortonian
Serravallian
Langhian
Burdigalian
Aquitanian
C1
C2
C2A
C3
C3A
C3B
C4
C4A
C5
C5A
C5AA
C5AB
C5AC
C5AD
C5B
C5C
C5D
C5E
C6
C6A
C6AA
C6B
C6C
Pt1
PL6
PL5
PL4
PL3
PL2
PL1
M14
M13
M12
M11
M10
M9
M8
M7
M6
M5
M4
M3
M2
M1
O7
Truncorotalia tosaensis
Globigerinoides fistulosus
Truncorotalia truncatulinoides
Globoturborotalita woodi
Dentoglobigerina altispira [Pacific]
Sphaeroidinellopsis seminulina [Pacific]
Globorotalia margaritae
Globoturborotalita nepenthes
Globorotalia tumida [Pacific]
Globoquadrina dehiscens
Globorotalia lenguaensis
Globorotalia plesiotumida
Neogloboquadrina acostaensis [subtropical]
Neogloboquadrina acostaensis [temperate]
Paragloborotalia mayeri [temperate]
Globoturborotalita nepenthes
Fohsella fohsi
Fohsella robusta
Fohsella fohsi
Fohsella praefohsi
Fohsella peripheroacuta
Praeorbulina sicana
Orbulina suturalis
Praeorbulina glomerosa s.s.
Praeorbulina sicana
Globigerinatella insueta s.s.
Catapsydrax dissimilis
Globigerinatella sp.
Paragloborotalia kugleri
Globoquadrina dehiscens
Paragloborotalia kugleri
CN15
CN14
CN13
CN12
CN11
CN10
CN9
CN8
CN7
CN6
CN5
CN4
CN3
CN2
CN1
Emiliania huxleyi
Pseudoemiliania lacunosa
Gephyrocapsa spp. reentrance (reemG event)
Gephyrocapsa spp. (=bmG event)
Discoaster brouweri
Discoaster pentaradiatus
Discoaster surculus
Discoaster tamalis
Reticulofenestra pseudoumbilicus
Amaurolithus tricorniculatus
Discoaster asymmetricus (FCO)
Amaurolithus primus
Ceratolithus rugosus
Ceratolithus acutus
Discoaster quinqueramus
Nicklithus amplificus
Nicklithus amplificus
Amaurolithus primus
Discoaster quinqueramus
Discoaster berggrenii
Discoaster hamatus
Discoaster hamatus
Catinaster coalitus
Discoaster kugleri (common)
Sphenolithus heteromorphus
Helicosphaera ampliaperta
Sphenolithus belemnos
Triquetrorhabdulus carinatus
Sphenolithus belemnos
Discoaster druggi (s.s.)
a/b