# **APPENDIX 2**

**Autochthonous calcareous nannofossils**

*Braarudosphaera bigelowii* (Gran & Braarud, 1935) Deflandre, 1947

Clausicoccus subdistichus (Roth & Hay in Hay et al.*,* 1967) Prins, 1979

Coronocyclus nitescens latus da Gama & Varol 2013

Coccolithus miopelagicus Bukry, 1971

*Coccolithus pelagicus* (Wallich, 1877) Schiller, 1930

*Cyclicargolithus floridanus* (Roth & Hay, in Hay et al., 1967) Bukry, 1971

Discoaster sp. Tan Sin Hok, 1927

*Discoaster adamanteus* Bramlette & Wilcoxon, 1967

*Discoaster deflandrei* Bramlette & Riedel, 1954

Discoaster cf. druggii Bramlette & Wilcoxon, 1967

Helicosphaera sp. 1

Helicosphaera ampliaperta Bramlette and Wilcoxon, 1967

Helicosphaera carteri (Wallich 1877) Kamptner, 1954

*Helicosphaera crenulata* n. sp. (this study)

*Helicosphaera euphratis* (Haq, 1966)

Helicosphaera mediterranea Muller, 1981

Helicosphaera minuta Muller, 1981

Helicosphaera vedderi Bukry, 1981

Helicosphaera cf. watkinsii da Gama & Varol 2013

*Pontosphaera multipora* (Kamptner, 1948 ex Deflandre in Deflandre & Fert, 1954) Roth, 1970

*Reticulofenestra antarctica* (Haq, 1976) Driever, 1988

*Reticulofenestra daviesii* (Haq, 1968) Haq, 1971

Reticulofenestra gelida (Geitzenauer, 1972) Backman, 1978

Reticulofenestra haqii Backman, 1978

Reticulofenestra minuta Roth, 1970

Reticulofenestra pseudoumbilicus (Gartner, 1967) Gartner, 1969

*Sphenolithus* sp.

Sphenolithus conicus Bukry, 1971

*Sphenolithus dissimilis* Bukry & Percival, 1971

Sphenolithus pseudoheteromorphus Fornaciari & Agnini, 2009

*Sphenolithus moriformis* (Brönnimann & Stradner, 1960) Bramlette & Wilcoxon, 1967

Umbilicosphaera rotula (Kamptner, 1956) Varol, 1982

**Reworked Mesozoic calcareous nannofossils**

Calculites sp.

Cretarhabdus sp.

Cyclagelosphaera sp.

Cyclagelosphaera margerelii Noël, 1965

Eiffellithus eximius (Stover, 1966) Perch-Nielsen, 1968

Micrantholithus hoschulzii (Reinhardt, 1966) Thierstein, 1971

Micula staurophora (Gardet, 1955) Stradner, 1963

Nannoconus sp. Kamptner, 1931

Nannoconus steinmannii Kamptner, 1931

Prediscosphaera cretacea (Arkhangelsky, 1912) Gartner, 1968

Retecapsa sp.

Retecapsa crenulata (Bramlette & Martini, 1964) Grün in Grün and Allemann, 1975

Uniplanarius sissinghii (Perch-Nielsen, 1986) Farhan 1987

Zeugrhabdotus sp.

Watznaueria barnesiae (Black in Black & Barnes, 1959) Perch-Nielsen, 1968

Watznaueria britannica (Stradner, 1963) Reinhardt, 1964

*Watznaueria communis* Reinhardt 1964

Watznaueria fossacincta (Black, 1971) Bown in Bown & Cooper, 1989

**Reworked Paleogene calcareous nannofossils**

Blackites sp.

Campylosphaera dela (Bramlette & Sullivan, 1961) Hay & Mohler, 1967

Chiasmolithus sp.

Chiasmolithus bidens (Bramlette & Sullivan, 1961) Hay & Mohler, 1967

Chiasmolithus consuetus (Bramlette & Sullivan, 1961) Hay & Mohler, 1967

Chiasmolithus grandis (Bramlette & Riedel, 1954) Radomski, 1968

Chiasmolithus nitidus Perch-Nielsen, 1971

Chiasmolithus oamaruensis (Deflandre, in Deflandre & Fert, 1954) Hay et al., 1966

Chiasmolithus solitus (Bramlette and Sullivan, 1961) Locker, 1968

Coccolithus bownii Jiang and Wise, 2007

Coccolithus eopelagicus (Bramlette & Riedel, 1954) Hay, Mohler & Wade 1966

Coccolithus formosus (Kamptner, 1963) Wise, 1973

Cruciplacolithus sp.

Cruciplacolithus edwardsii Romein, 1979

Cruciplacolithus tenuis (Stradner, 1961) Hay and Mohler in Hay et al.*,* 1967

*Cyclicargolithus abisectus* (Muller, 1970) Wise, 1973

Discoaster barbadiensis Tan Sin Hok, 1927

Discoaster lodoensis Bramlette & Riedel, 1954

Discoaster multiradiatus Bramlette & Riedel, 1954

Helicosphaera compacta Bramlette & Wilcoxon, 1967

Helicosphaera lophota (Bramlette & Sullivan, 1961) Locker, 1973

Neococcolithes dubius (Deflandre in Deflandre and Fert, 1954) Black, 1967

Pontosphaera exilis (Bramlette & Sullivan, 1961) Romein, 1979

Pontosphaera plana (Bramlette & Sullivan, 1961) Haq, 1971

Pontosphaera pulchra (Deflandre in Deflandre & Fert, 1954) Romein, 1979

Prinsius bisulcus (Stradner, 1963) Hay & Mohler, 1967

*Reticulofenestra bisecta* (Hay, Mohler & Wade, 1966) Roth, 1970

Reticulofenestra reticulata (Gartner & Smith, 1967) Roth & Thierstein, 1972

*Reticulofenestra stavensis* (Levin & Joerger, 1967) Varol, 1989

Reticulofenestra umbilicus (Levin, 1965) Martini & Ritzkowski, 1968

Sphenolithus arthurii Bown, 2005

Sphenolithus radians Deflandre in Grassé, 1952

Toweius callosus Perch-Nielsen, 1971

Toweius rotundus Perch-Nielsen in Perch-Nielsen et al.*,* 1978