

## Supplementary Appendix

### Taxonomic appendix

*Calcidiscus leptoporus* subsp. *leptoporus* (Murray & Blackman, 1898) Loeblich Tappan, 1978  
*Calcidiscus leptoporus* subsp. *quadriporforatus* (Kamptner, 1937) Geisen et al., 2002  
*Calcidiscus leptoporus* subsp. small (Young et al., 2003)  
*Calciosolenia* sp. (Gran, 1912)  
*Ceratolithus* sp. (Kamptner, 1950)  
*Coccolithus pelagicus* subsp. *azorinus* (Parente & Cachão, 2005)  
*Coccolithus pelagicus* subsp. *braarudii* (Gaarder, 1962) Geisen et al., 2002  
*Coccolithus pelagicus* subsp. *pelagicus* (Wallich, 1877) Schiller, 1930  
*Coronosphaera* sp. (Gaarder), in Gaarder & Heimdal 1977  
*Discosphaera tubifera* (Murray & Blackman, 1898) Ostenfeld, 1900  
*Florisphaera profunda* (Okada & Honjio, 1973)  
*Gephyrocapsa caribbeanica* (Boudreux & Hay, in Hay et al., 1967)  
*Gephyrocapsa margereli* (Bréhéret, 1978)  
*Gephyrocapsa muellerae* (Bréhéret, 1978)  
*Gephyrocapsa oceanica* (Kamptner, 1943)  
*Gephyrocapsa omega* (Bukry 1973)  
*Helicosphaera carteri* (Wallich, 1877) Kampter, 1954  
*Helicosphaera granulata* (Bukry & Percival, 1971) Jafar & Martini, 1975  
*Helicosphaera hyalina* (Gaarder, 1970)  
*Helicosphaera inversa* (Gartner, 1977 ex Gartner, 1980) Theodoridis, 1984  
*Helicosphaera pavimentum* (Okada & McIntyre, 1977)  
*Helicosphaera wallichii* (Lohmann, 1902) Okada & McIntyre, 1977  
*Oolithotus antillarum* (Cohen, 1964) Reinhardt, in Cohen & Reinhardt, 1968  
*Oolithotus fragilis* (Lohmann, 1912) Martini & Müller, 1972  
*Pontosphaera* sp. (Lohmann, 1902)  
*Pseudoemiliania lacunosa* (Kampter, 1963) Gartner, 1969  
*Reticulofenestra* sp. (Hay, Mohler & Wade 1966)  
*Rhabdosphaera clavigera* (Murray & Blackman, 1989)  
*Rhabdosphaera clavigera* var. *stylifera* (Lohman, 1902) Klejne & Jordan, 1990  
*Syracosphaera pulchra* (Lohmann, 1902)  
*Syracosphaera histrica* (Kampter, 1941)  
*Scyphosphaera* sp. (Lohmann, 1902)  
*Umbilicosphaera sibogae* (Weber-van Bosse, 1901) Gaarder, 1970  
*Umbilicosphaera foliosa* (Kampter 1963, ex Klejne, 1993) Geisen in Sáez et al., 2003.  
*Umbilicosphaera hulbertiana* (Gaarder, 1970)