The Excel file contains two sheets:

Sheet “Occurrence data” lists all species occurrences recorded in the Paleobiology Database (<http://paleobiodb.org>) upon download on 22 Jan 2016. Synonymies of species names (column species) have been corrected with the World Register of Marine Species (<http://www.marinespecies.org/>) based on a download of 17 Dec 2015. Columns mean: extant – species extant or not; group – class name or higher taxon, e.g., the groups separated for some analyses; collection\_no – collection number in the Paleobiology Database; country – the country from which the collection derives; latdec – the present day latitude in decimal degrees; lngdec – the preent day longitude in decimal degrees; paleolatdec – the latitude of the collection at the time the fossils lived; paleolngdec – the longitude of the collection at the time the fossils lived; cell\_name – unique identifier of the equal-area palaeogeographic grid cells used for measuring occupancy; Bin # - the number of the stratigraphical bin to which the collection was assigned.

Information on stratigraphical binning is provided in sheet “Bin information”, which lists the series and stage names along with numerical age estimates for each Bin # in the previous sheet.