

**Suppl_Table 1. Source references of the data used in the
paleoenvironmental maps in Fig. 3 and 4**

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Suppl_Table 2. Numbers and types of records used in the paleoenvironmental maps

Times	Lithology	Pollen	Mammals
Paleocene	16	32	13
Eocene	33	47	16
Oligocene	21	29	14
Early and Middle Oligocene	16	16	11
Late Oligocene	10	13	3
Miocene	33	50	44
Early Miocene	17	19	3
Middle Miocene	13	19	17
Late Miocene	17	14	24
Pliocene	9	18	10