



**Fig. S7.** Accommodation space data base

Compaction tests on the Sailly 1 well (see Fig. 2). Different scenarios were tested on the lithology and palaeodepth of the Palaeocene-Lower Eocene sediments; all of these scenarios have been corrected from eustasy (Haq et al., 1987; Van Sickle et al., 2004). The curves for the different degree of compaction scenarios (lithology) are very similar to each other. Thus, the uncertainties on the palaeodepths and decompaction do not significantly influence the measured accommodation. At 56.9 Ma, the gap between the curves is due to the high-amplitude eustatic variations provided by the eustatic curve of Haq et al. (1987).