



**Figure S1. Profiles of gene expression levels of extracts from Danube River sediments compared to sediment extracts from the river Rhine.** The profile of a process control is also presented. The highlighted set of genes includes down-regulated genes encoding proteins associated with digestion or fatty acid metabolism and hydrolase activity. Several of these genes were similarly regulated after treatment with extracts regardless of the sampling location.

\* Data according to Kosmehl et al. [9] (reanalysed)