Fig. S1: Investigated core section of the Hartoušov mofette core HJB-1 (2016) between 65 and 95 mbs with depth profiles of a) the stratigraphical and lithological description and b) the determined fluorescein contents for the outer rim of the core material, the outside of the inner rim and the sample material. c) Exemplarily pictures of core sections from the different lithological units partly showing CO₂-fluid migration structures. d) Photograph from the drilling campaign showing the drill-mud container with 6m³ drill mud that was admixed with 30g of fluorescein leading to a concentration of 5 mg fluorescein per liter drill mud.
Fig. S2: Results of the principal components analysis (PCA) for selected genera and lipid biomarkers. 

a) Explained variance.  
b) Principal component (PC) scores for PC1 and PC2.  
c) PC loadings related to the lithological profile.