



**Figure S7**

Delayed formation of hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) in 0.22 µm filtered water samples exposed to natural sunlight. Samples were used for exposure experiments directly after sampling. Filled circles represent H<sub>2</sub>O<sub>2</sub> concentrations filled triangles for samples obtained from wells inside the acidic fen. Water samples were obtained on 2<sup>nd</sup> September 2008 from the SW basin. Error bars indicate the standard deviation of three analysed samples.