

Interactive comment on “Community composition and seasonal changes of archaea in coarse and fine air particulate matter” by Jörn Wehking et al.

Anonymous Referee #3

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In the present paper, Wehking et al. reported investigation of the airborne archaeal community from atmospheric coarse and fine particulate matter samples based on Illumina sequencing of 16S rRNA gene, showing its diversity, composition and abundance, discussing possible emission sources. I think it is an interest and worthwhile topic to be published.

Specific comments: Page 9 line 18: Page 5 line 23: “For the PCR amplifications the 515f/806r primer set described in Caporaso et al., (2011) proved to be most suitable.” Please show the sequence of 515f/806r primer set and the evidence why to choose this primer to evaluate airborne archaeal community. Wording and grammar should be improved.

C1

Interactive comment on Biogeosciences Discuss., <https://doi.org/10.5194/bg-2017-514>, 2017.

C2