Abiotic versus biotic controls on soil nitrogen cycling in drylands along a 3200 km transect

Dongwei Liu[1]*, Weixing Zhu[1, 2], Xiaobo Wang[1]*, Yuepeng Pan[3], Chao Wang[1], Dan Xi[1, 5], Edith Bai[1], Yuesi Wang[3], Xingguo Han[1], Yunting Fang[1, 4]

[1] Key Laboratory of Forest Ecology and Management, Institute of Applied Ecology, Chinese Academy of Sciences, Shenyang, 110016, China
[2] Department of Biological Sciences, Binghamton University, State University of New York, Binghamton, NY 13902
[3] State Key Laboratory of Atmospheric Boundary Layer Physics and Atmospheric Chemistry (LAPC), Institute of Atmospheric Physics, Chinese Academy of Sciences, Beijing, 100029, China
[4] Qingyuan Forest CERN, Chinese Academy of Sciences, Shenyang 110016, China
[5] College of Resources and Environment, University of Chinese Academy of Sciences, Beijing, 100049, China

*These authors contributed equally to this work.

Corresponding Author:
Weixing Zhu
Department of Biological Sciences, Binghamton University – State University of New York,
Binghamton, NY 13902-6000
Phone: (607) 777-3218
Fax: (607)-777-6521
Email: wxzhu@binghamton.edu

Yunting Fang
Institute of Applied Ecology, the Chinese Academy of Science, No.72, Wenhua Road, Shenyang, P. R. China, 110016
Phone: +86-24-83970541
Fax: +86-24-83970300
Email: fangyt@iae.ac.cn

33 **Supplementary Information**

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35 **Supplementary Figure legends:**

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37 **Figure S1** Climate variables. The positive correlation (b) between aridity index (AI) and precipitation

38 demonstrated that the precipitation gradient here can also be considered as an AI gradient. In each site,
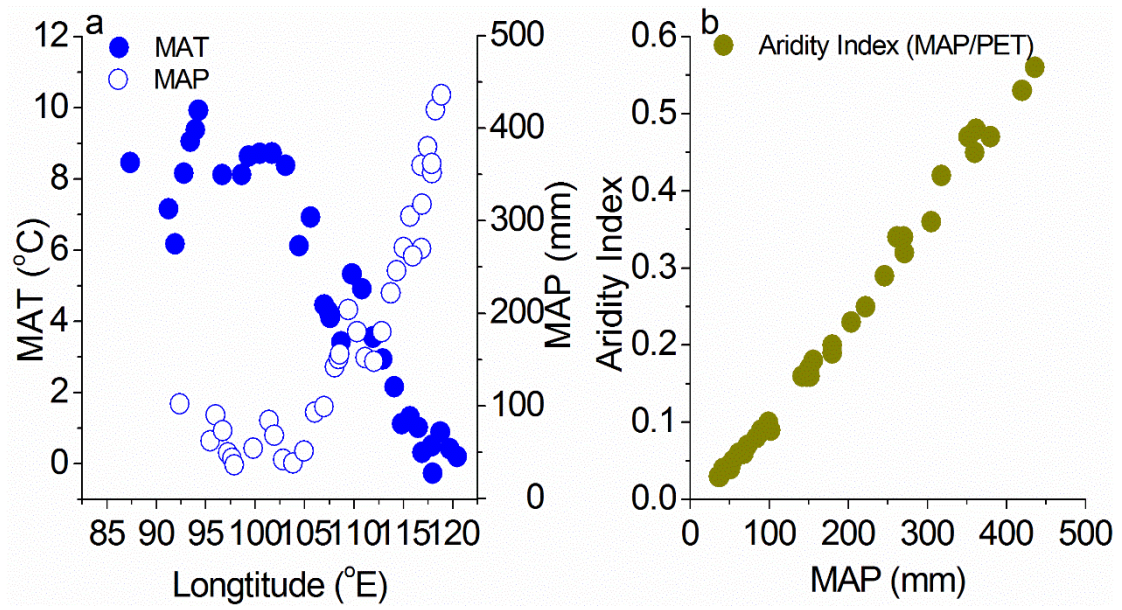
39 n=1.

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41 **Figure S2** Soil moisture along the precipitation gradient. Soil moisture was expressed as a percent of dry

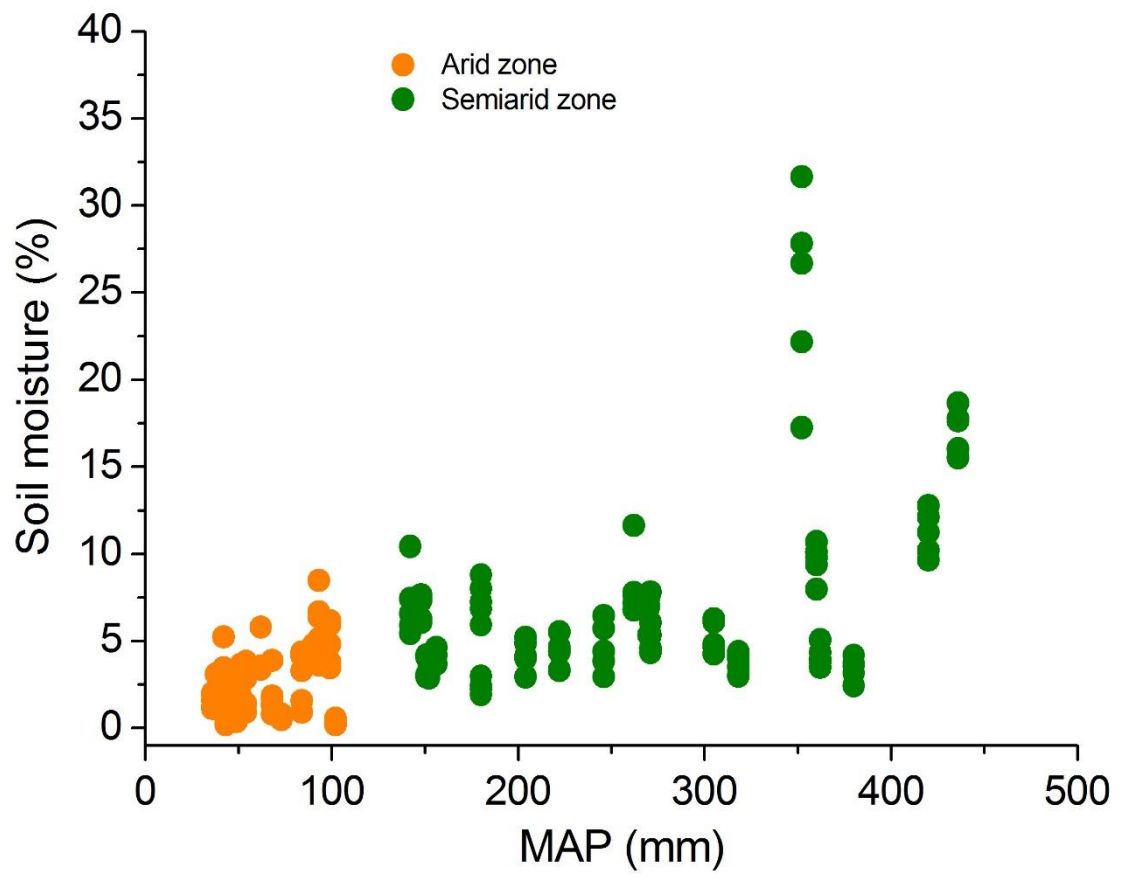42 soil on a mass basis. In each site, n=5.

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Figure S1

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50 **Figure S2**