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*Supplement of*

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

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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. At each site,  
39  $n = 1$ .

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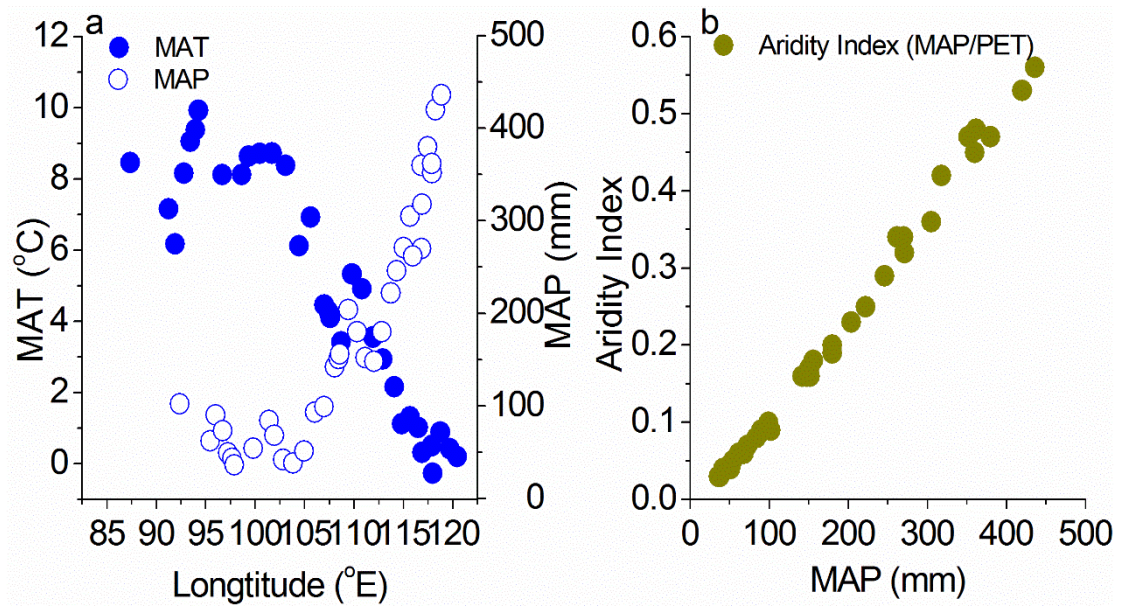
41 **Figure S2** Soil moisture along the precipitation gradient. Soil moisture was expressed as a percent of dry  
42 soil on a mass basis. At each site,  $n = 5$ .

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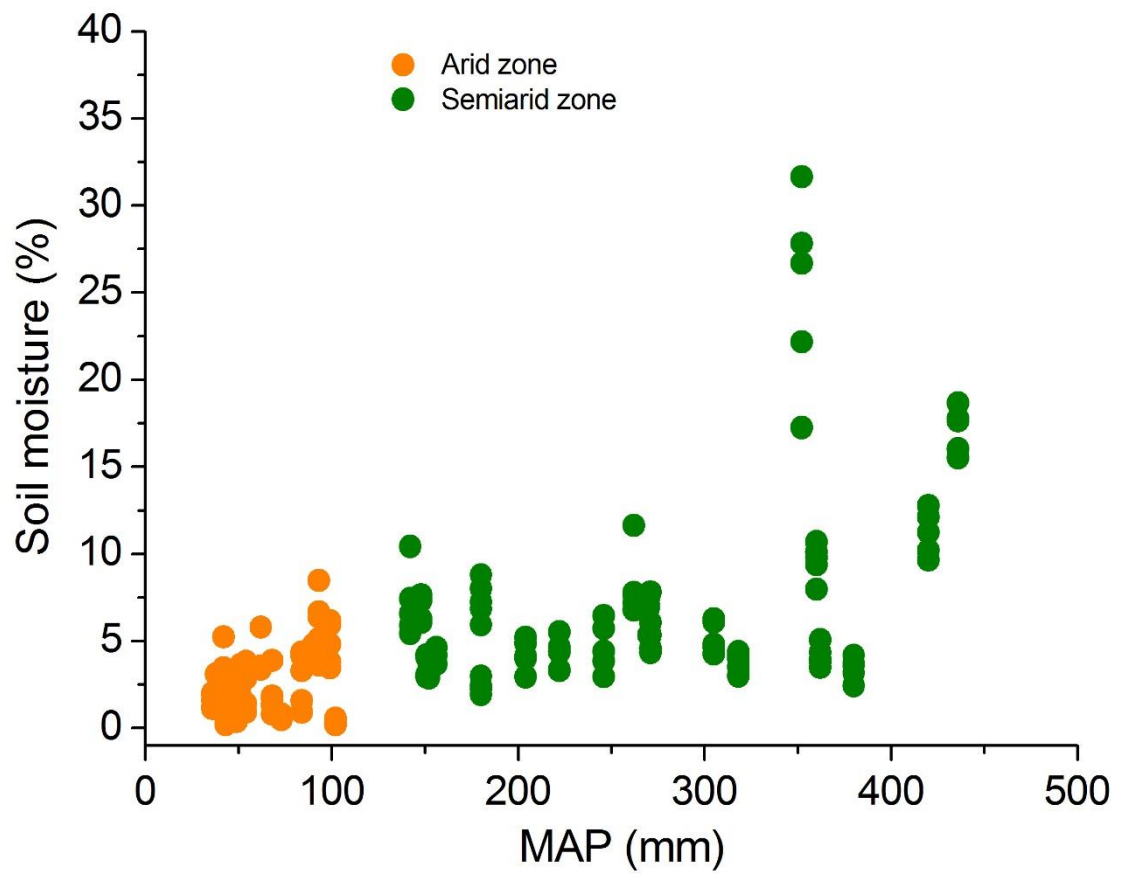
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48 **Figure S1**



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50 **Figure S2**