**Supporting material for**

**Impact of elevated precipitation, nitrogen deposition and warming on soil respiration in a temperate desert**

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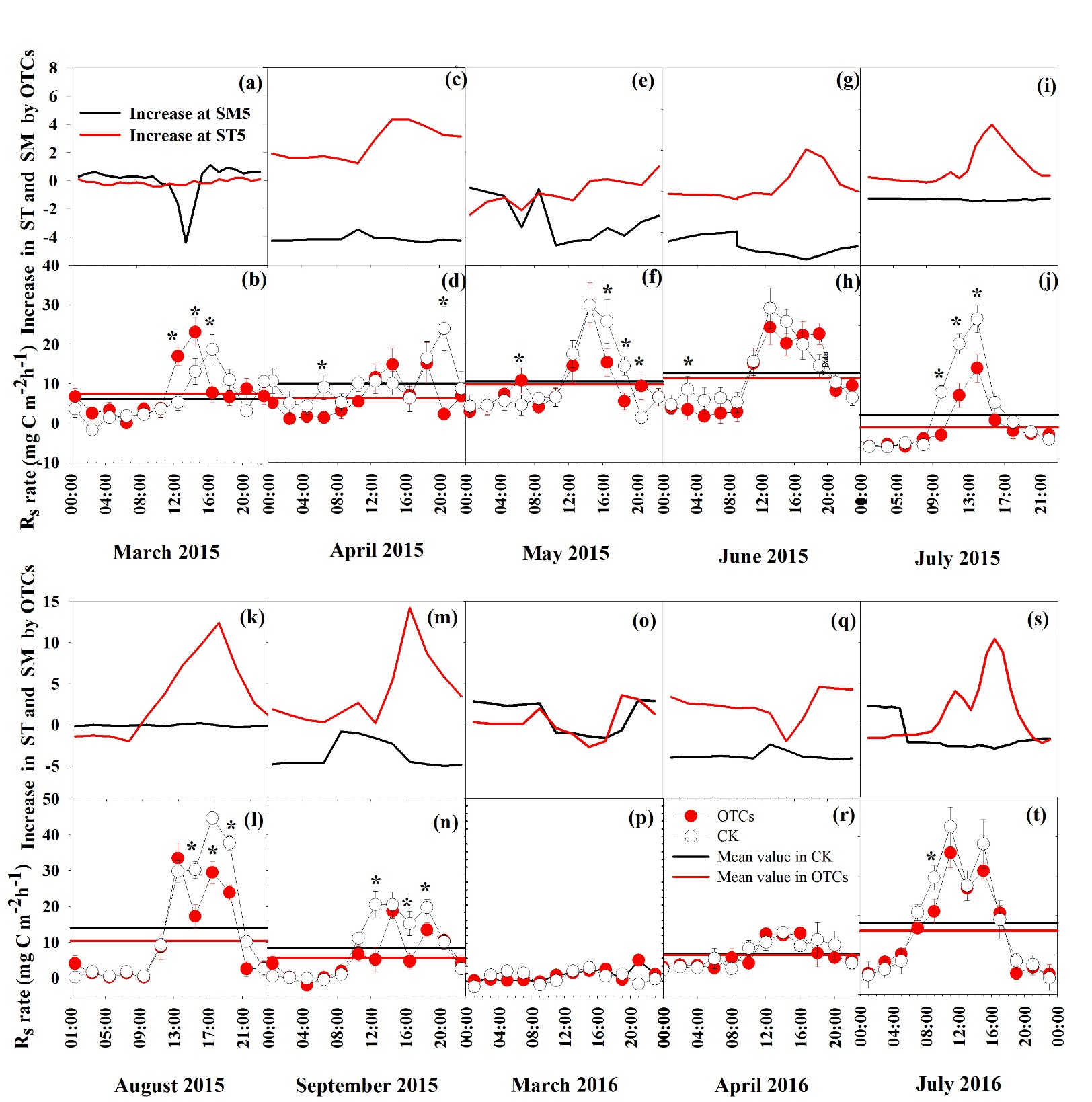
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**Fig.** S**1.** Diurnal variation in Rs (mean ± SE, n = 4) with variation in soil temperature and soil moisture from March 2015 to September 2015, March, April and July in 2016 were caused by warming in open topped chambers (OTCs). Positive values indicate increment by warming, and negative values indicate decline. A red straight line indicates the average value of Rs inside the OTCs in (b, d, f, h, j, l, n, p, r, t), and a black straight line represents the average value of Rs out of OTCs in (b, d, f, h, j, l, n, p, r, t). Black \* indicate significant effect at P < 0.05 respectively.



**Fig. S2.** The different response characteristics of soil respiration(Rs)to soil moisture and soil temperature at the high temperature and low humidity (HTLH, red points), high humidity and low temperature (HHLT; green points) and moderate soil temperature and moisture (MTM; black points).

