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2 **Figure S1** Mean temperatures (± 1 SEM) inside litterbags exposed to solar radiation

3 during the five-month photodecomposition experiment. Data were recorded on one day

4 per month, at three-hour intervals from 7 am to 7 pm, by placing a probe inside each

5 litterbag. Temperature was measured in 15 randomly chosen bags per treatment. The left

6 panel shows data collected in bags from the control (UV exposed) treatment and the right

7 panel shows data from the UV-filtered treatment. There were marked fluctuations in

8 temperatures during the day ($F_{1,1} = 10.1, P < 0.01$), but there were no significant

9 differences among months ($F_{1,4} = 0.53, P = 0.99$) or UV treatments ($F_{1,4} = 0.11, P = 0.73$).

10 Different symbols represent each month (see labels).

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