

SUPPLEMENTARY INFORMATION for

Impact of artificial light at night on diurnal plant-pollinator interactions

Simone Giavi¹, Colin Fontaine², Eva Knop^{1,3*}

1 Agroscope, Reckenholzstrasse 191, 8046 Zürich, Switzerland

2 Centre d'Ecologie et des Sciences de la Conservation, CESCO, Muséum National d'Histoire Naturelle – CNRS
– Sorbonne Université, 43 Rue Buffon, 75005 Paris, France

3 University of Zürich, Departement of Evolutionary Biology and Environmental Sciences, Winterthurerstrasse
190, 8057 Zürich, Switzerland

*email: eva.knop@ieu.uzh.ch

This PDF file includes:

Supplementary Tables and Figures

Supplementary Table 1: Information on the experimental sites

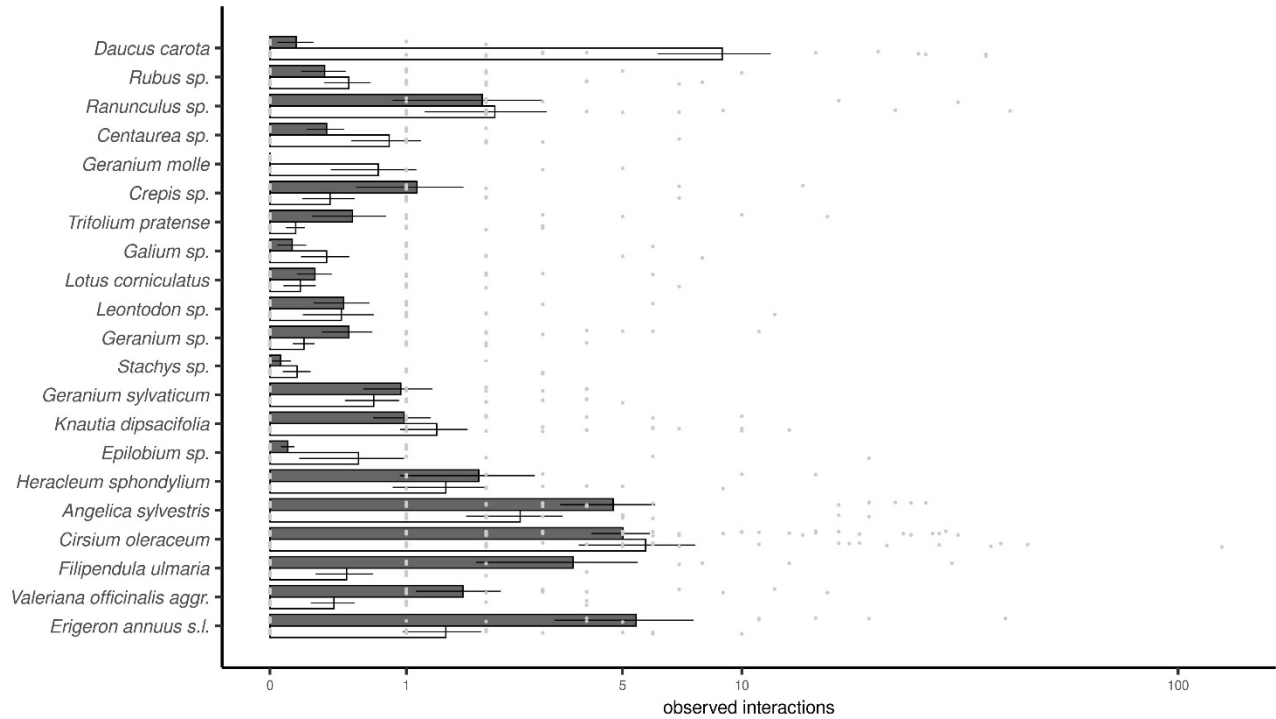
Supplementary Fig. 1: Raw data per treatment level

Supplementary Fig. 2: Overview light intensity gradient on treatment sites

Supplementary Table 1. Information on the experimental sites. Information on the geographical coordinates, applied treatment (dark control versus experimentally illuminated), the site pair (six pairs), and the number of sampling events.

Site pair	Treatment	North	East	Number of samplings
1	Dark	46.66831	7.61394	6
2	Dark	46.64352	7.5676	6
3	Dark	46.62537	7.56152	6
4	Dark	46.60872	7.521	7
5	Dark	46.79235	7.40605	6
6	Dark	46.77987	7.47612	6
1	Illuminated	46.66322	7.61897	6
2	Illuminated	46.65197	7.57425	6
3	Illuminated	46.60927	7.55803	6
4	Illuminated	46.62269	7.54794	7
5	Illuminated	46.7977	7.40443	6
6	Illuminated	46.78254	7.4601	6

Supplementary Fig. 1. Raw data per treatment level. Mean values \pm SEM of the number of diurnal plant-pollinator interactions over all sampling events per treatment (dark control: gray; illuminated: white) for each selected plant species. Diurnal plant-pollinator interactions (N=2384) were collected in 2016 on 12 ruderal meadows (six exposed to artificial light at night and six left dark as control) sampled six or seven times each. Individual data points are shown in grey. Source data are provided as a Source Data file.



Supplementary Fig. 2. Overview light intensity gradient on treatment sites. Light intensity measurements taken at three illuminated sites (dots, triangles and squares) at each meter from 0 to 60 meters from the lamp. Source data are provided as a Source Data file.

