

Tables

Table S1. List of the 28 plant-pollinator studies used to build the plant trait database. Each study is shown with the first author that conducted the study, number of networks or metawebs that contains, type of information that contains (weighted or unweighted), the structure (web or metaweb), year of publication and digital object identifier or permanent link for each study.

First author	Year	Web N.	Network type	DOI
Arroyo-Correa	2019	3	Weighted web	https://doi.org/10.1111/1365-2745.13332
Bartomeus	2008	6	Weighted web	https://doi.org/10.1007/s00442-007-0946-1
Bartomeus	2008	16	Weighted web	https://github.com/ibartomeus/BeeFunData
Bek	2006	1	Unweighted web	Unpublished, Master thesis
Bundgaard	2003	1	Weighted web	Unpublished, Master thesis
Burkle	2013	1	Weighted web	https://doi.org/10.1126/science.1232728
Dicks	2002	2	Weighted web	https://doi.org/10.1046/j.0021-8790.2001.00572.x
Dupont	2003	3	Weighted web	https://doi.org/10.1111/j.1365-2656.2008.01501.x
Elberling	1999	1	Weighted web	https://doi.org/10.1111/j.1600-0587.1999.tb00507.x
Fang	2008	1	Weighted web	https://doi.org/10.1111/1749-4877.12190
Inouye	1988	1	Weighted web	https://doi.org/10.1111/j.1442-9993.1988.tb00968.x
Inouye	1990	1	Weighted metaweb	http://hdl.handle.net/2433/156099
Kaiser-Bunbury	2017	8	Weighted web	https://doi.org/10.1038/nature21071

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First author	Year	Web N.	Network type	DOI
Kaiser-Bunbury	2011	6	Weighted web	https://doi.org/10.1111/j.1365-2745.2010.01732.x
Kaiser-Bunbury	2010	2	Weighted web	https://doi.org/10.1016/j.ppees.2009.04.001
Kato	2000	1	Unweighted web	http://hdl.handle.net/2433/156116
Kevan	1970	1	Unweighted web	https://doi.org/10.2307/2258569
Lundgren	2005	1	Weighted web	https://doi.org/10.1657/1523-0430(2005)037[0514:TDAHCW]2.0.CO;2
McMullen	1993	1	Unweighted metaweb	https://biostor.org/reference/244737
Olesen	2002	2	Weighted web	https://doi.org/10.1046/j.1472-4642.2002.00148.x
Peralta	2006	4	Weighted web	https://doi.org/10.1111/ele.13510
Primack	1983	3	Unweighted metaweb	https://doi.org/10.1080/0028825X.1983.10428561
Ramirez	1989	1	Unweighted web	https://doi.org/10.2307/2388282
Ramirez	1992	1	Unweighted metaweb	https://doi.org/10.1111/j.1095-8339.1992.tb00294.x
Robertson	1929	1	Unweighted metaweb	https://doi.org/10.5962/bhl.title.11538
Small	1976	1	Weighted web	/13960/t4km08d21

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First author	Year	Web N.	Network type	DOI
Souza	2017	1	Weighted web	https://doi.org/10.1111/1365-2745.12978
Traveset	2013	1	Weighted metaweb	https://doi.org/10.1098/rspb.2012.3040

Functional traits	Lambda	P-value
Autonomous selfing	0.34	0.00
Flower number	0.69	0.00
Inflorescence width	0.57	0.00
Flower width	0.73	0.00
Flower length	0.75	0.00
Style length	0.49	0.00
Ovule number	1.00	0.00
Plant height	0.96	0.00
Pollen grains per flower	0.84	0.00
Nectar (μ l) per flower	0.13	0.01
Nectar (mg) per flower	0.38	0.00
Nectar concentration (%)	0.61	0.00

	PC1	PC2	PC3
Autonomous selfing	0.03	0.85	-0.51
Flowers per plant	0.75	-0.27	-0.24
Flower width	-0.67	-0.38	-0.30
Style length	-0.34	-0.37	-0.66
Ovule number	-0.53	0.00	-0.02
Plant height	0.56	-0.40	-0.46
Explained variation	26.72	25.08	19.17

	PC1	PC2	PC3
Autonomous selfing	-0.23	-0.50	0.66
Flowers per plant	0.63	0.43	0.38
Flower width	-0.72	0.33	-0.19
Style length	-0.57	0.30	0.07
Ovule number	-0.60	0.02	-0.11
Plant height	0.41	0.65	0.29
Microlitres of Nectar per flower	-0.45	0.38	0.59
Pollen per flower	-0.03	0.66	-0.25
Explained variation	24.70	20.59	15.66

Figures

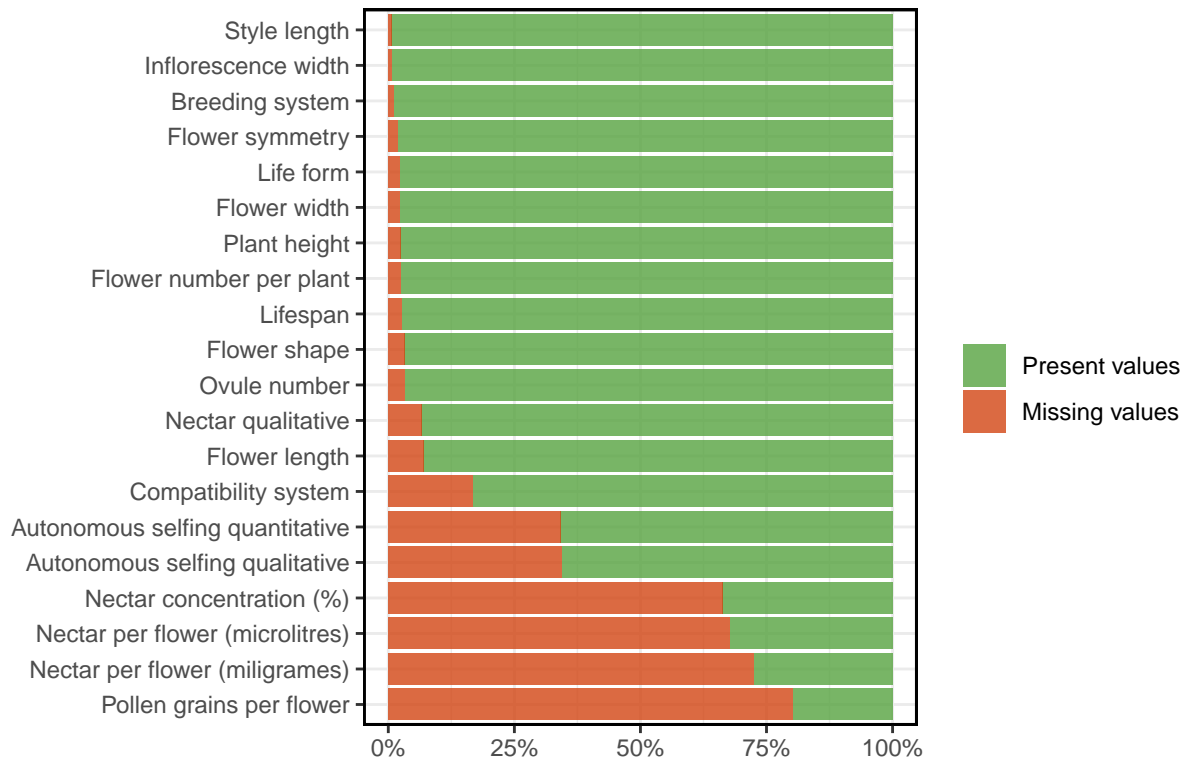


Fig. S1 Percentage of present and missing values on the 20 traits compiled in this study (N = 1,506 species).

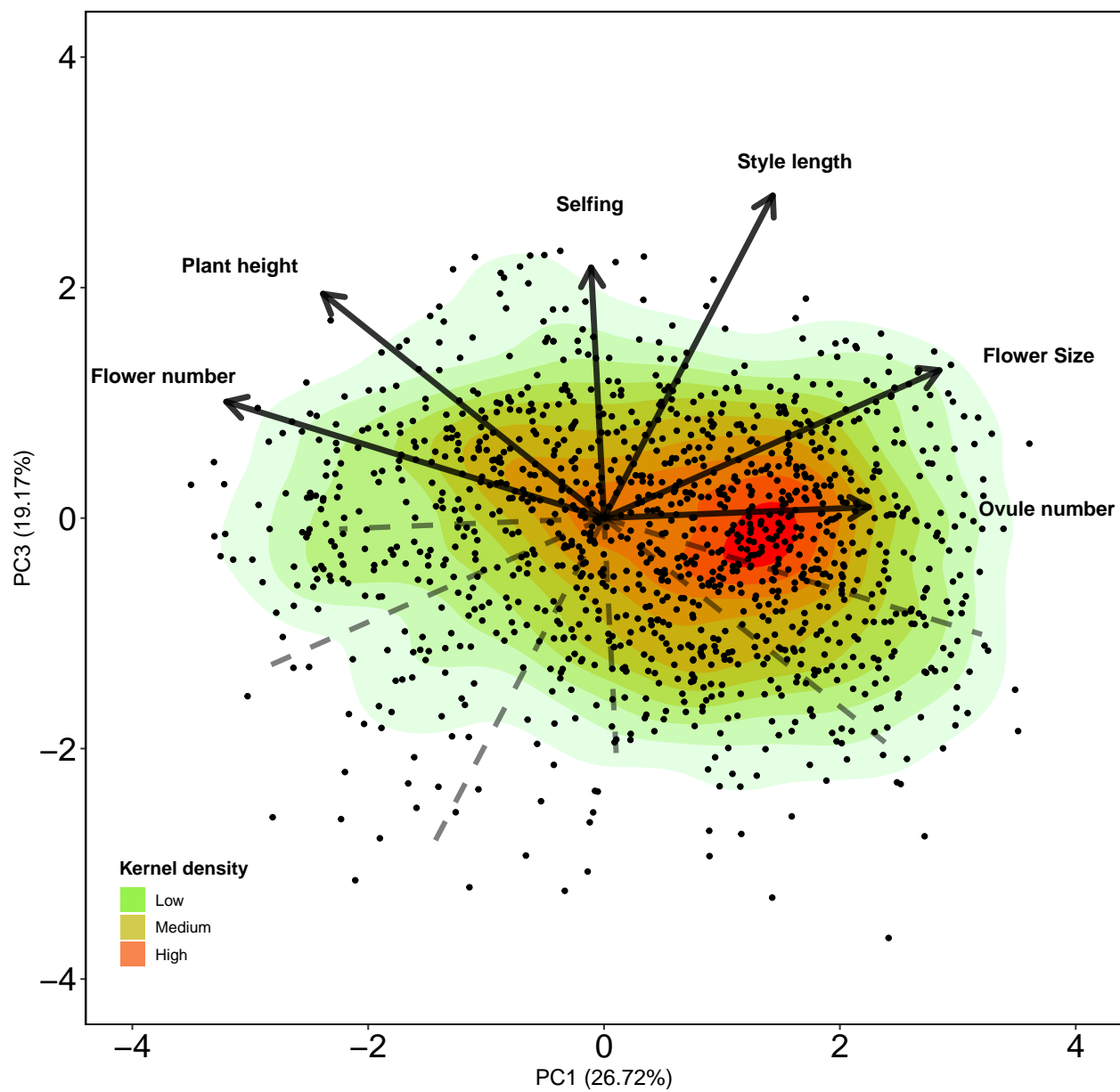


Fig. S2

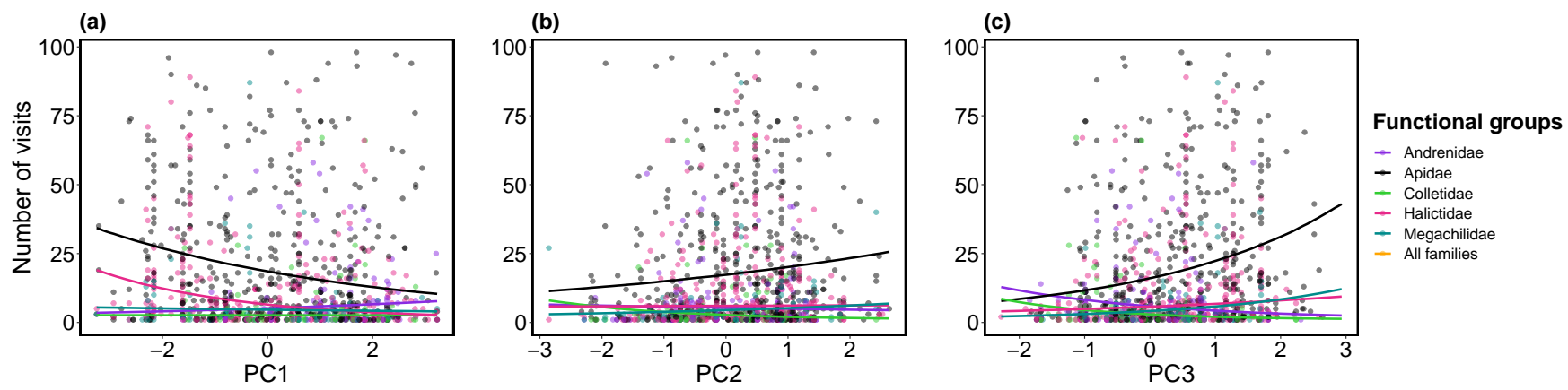


Fig. S3

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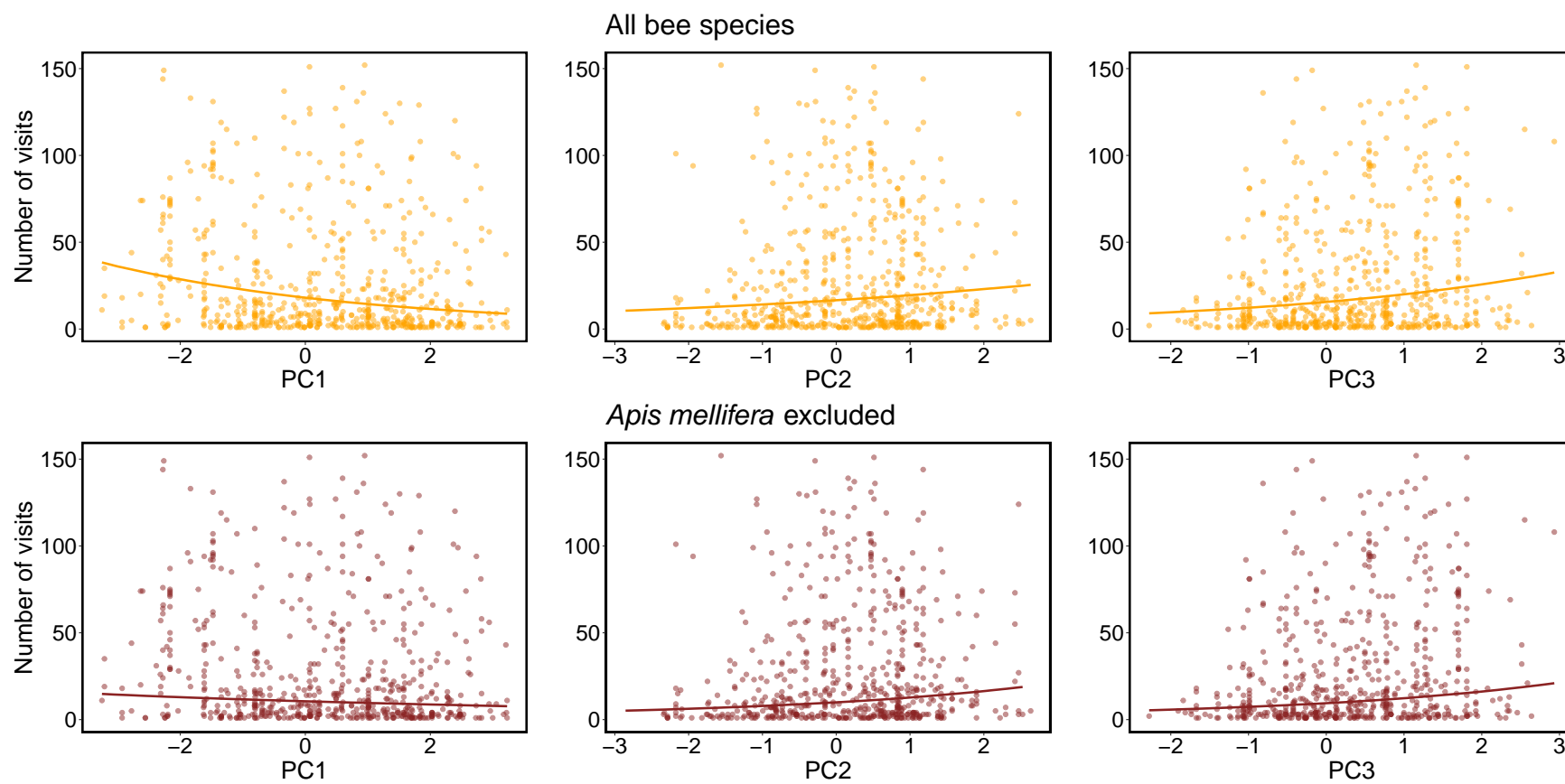


Fig. S4

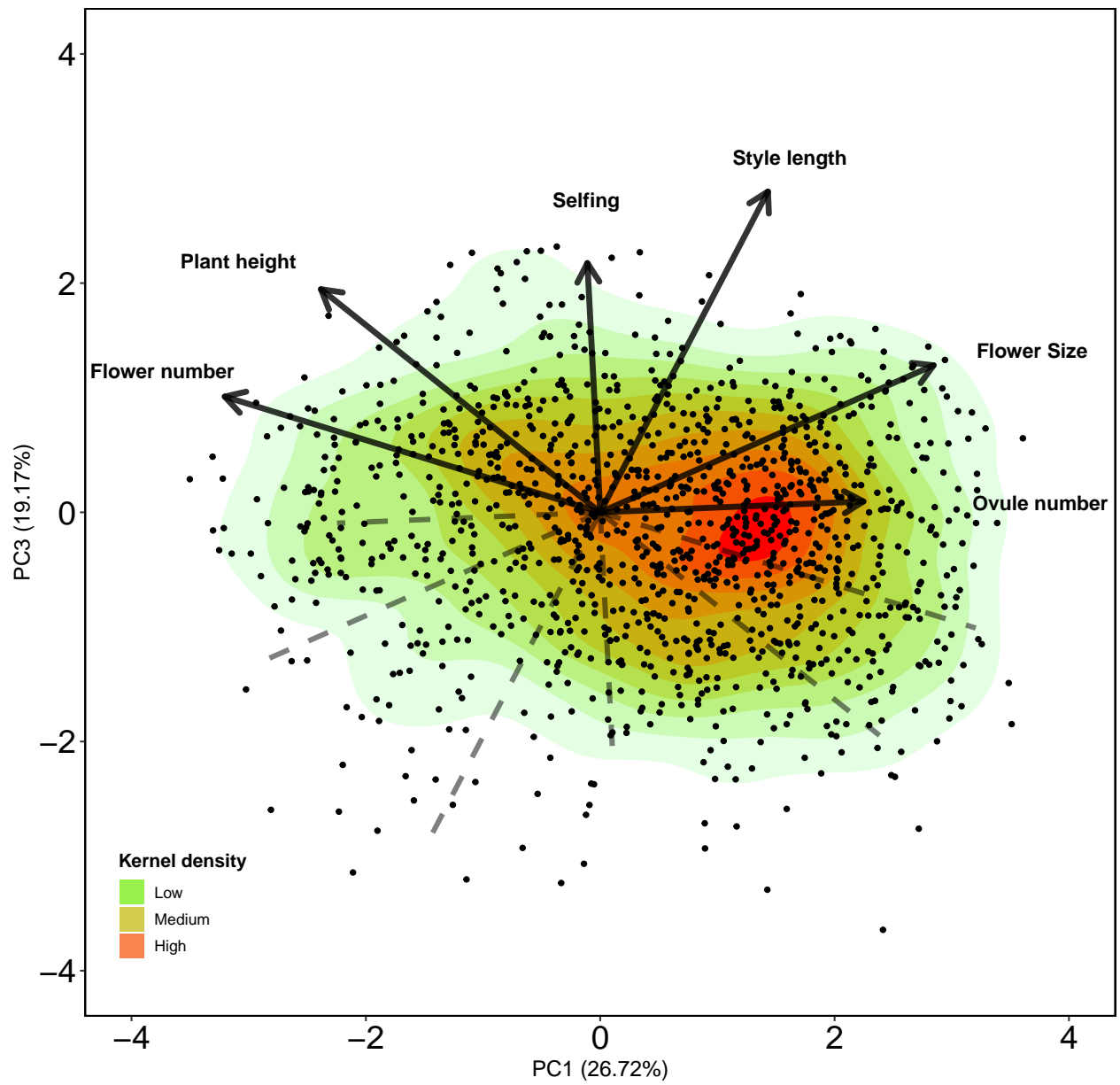


Fig. S5

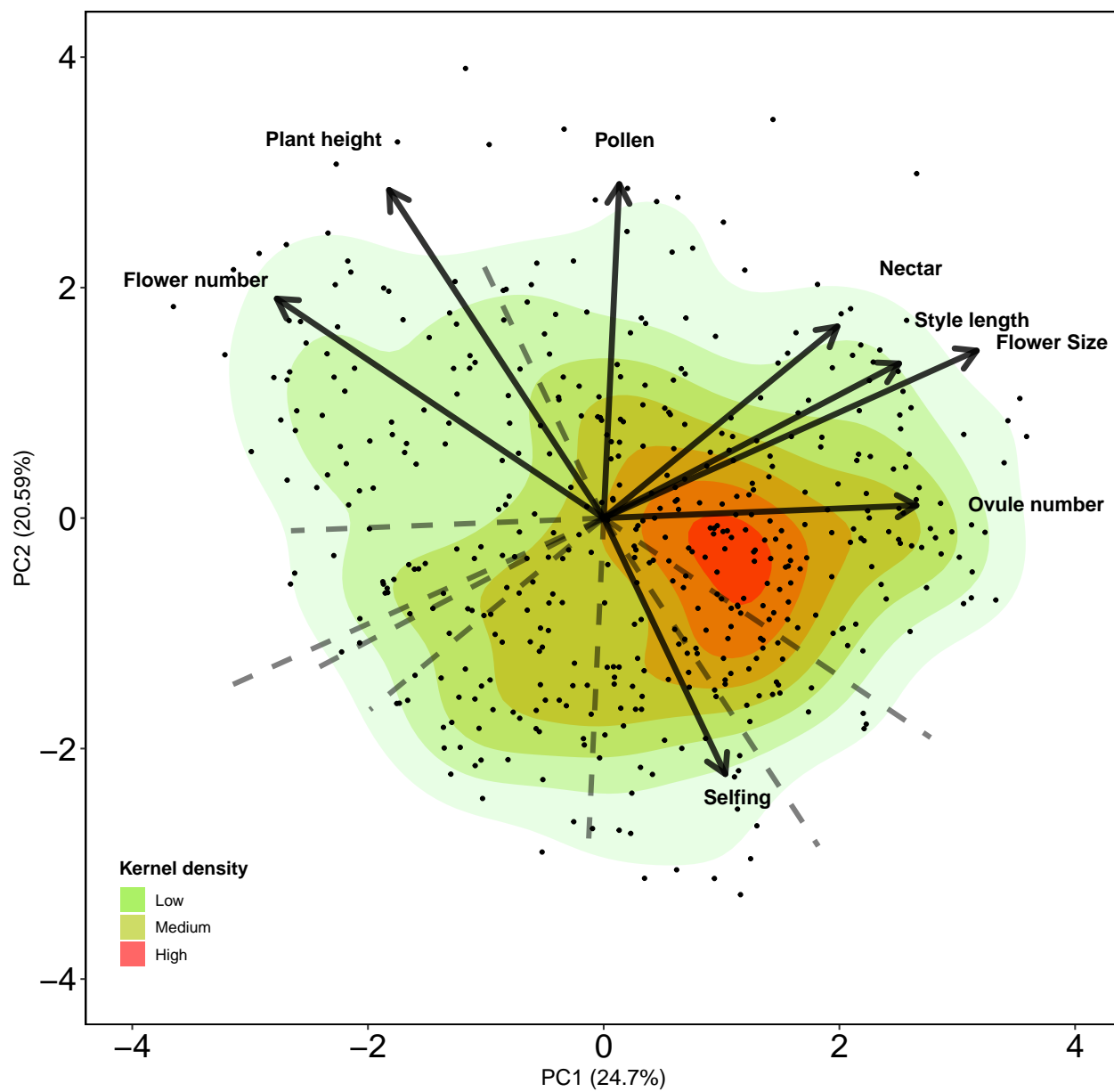


Fig. S6

