

Table S2a. Diversity metrics of pollen taxa collected by *Melipona costaricensis* (Mc) and *Tetragonisca angustula* (Ta) across three sample types: honey pots, pollen pots and corbicula loads. Metrics include taxa richness (number of pollen taxa), Simpson's dominance index (D) and Shannon's evenness index (H).

Pollen Taxa	Mc Honey Pots	Mc Pollen Pots	Mc Corbicula Loads	Ta Honey Pots	Ta Pollen Pots	Ta Corbicula Loads
Taxa Richness	49	29	18	61	47	26
Simpson's dominance_D	0.169	0.210	0.176	0.174	0.114	0.077
Evenness_H	2.295	2.034	1.955	2.440	2.655	2.764

Table S2b. Diversity metrics of pollen taxa stored in honey and pollen pots by *Melipona costaricensis* (Mc) and *Tetragonisca angustula* (Ta) across monthly sampling dates. Metrics include taxa richness (number of pollen taxa), Simpson's dominance index (D) and Shannon evenness (H).

Honey and Pollen pot samples	Oct_17	Nov_17	Dec_17	Jan_18	Feb_18	Mar_18	Apr_18	May_18	Jun_18	Jul_18	Aug_18	Sep_18	Oct_18	Nov_18	Dec_18
Taxa Richness <i>M. costaricensis</i>	19	10	27	12	25	31	19	22	22	18	18	21	29	16	22
Simpson's dominance_D <i>M. costaricensis</i>	0.210	0.238	0.306	0.396	0.249	0.203	0.251	0.183	0.323	0.244	0.311	0.218	0.236	0.226	0.135
Evenness_H <i>M. costaricensis</i>	1.802	1.581	1.732	1.133	1.796	1.968	1.95	1.977	1.642	1.572	1.523	1.718	1.945	1.778	2.296
Taxa Richness <i>T. angustula</i>	37	34	39	32	33	46	31	27	38	34	27	42	43	24	26
Simpson's dominance_D <i>T. angustula</i>	0.180	0.179	0.123	0.236	0.110	0.103	0.145	0.318	0.173	0.101	0.261	0.125	0.257	0.321	0.328
Evenness_H <i>T. angustula</i>	2.370	2.255	2.481	1.818	2.595	2.613	2.374	1.526	2.162	2.647	1.828	2.628	2.017	1.666	1.520