Supplemental Text

Text S1: Information on datasets

Ten of our 11 datasets were collected from natural or semi-natural meadows of New Jersey. In these, workers walked transects and collected all bee individuals observed visiting flowers along that transect.

Six of the meadow datasets were collected by MR and are described in detail in published papers (Roswell *et al.* 2019, 2020). In brief, the sites in this study were old fields ranging in size from 0.8 to 2.2 ha, and transects were walked to cover the entire field. Each field was visited multiple times from June through August, and observations from all visits were combined. These datasets are large in terms of the number of individual bees collected (mean = 2894.5, sd = 1091.1) and the number of plant species included (mean = 17.7, sd = 4.3).

Four meadow datasets are published for the first time here. These data were collected in natural or semi-natural meadows of New Jersey, USA, in 2011, 2013, and 2014, as part of a larger, unpublished study. Each study site included paired, adjacent fields, one of which was unmanipulated and one of which had been seeded with wild flowers. In each of the four study sites included here, eight 40x2 m transects (four in each field) were positioned within 250 m of one another. Bees were collected along transects in 10-min sampling bouts in which a data collector slowly walked the transect (10 m per 2.5 min) and collected all bees observed on flowers within 1 m of the transect. Each site was visited four to seven times from May through August or September, and each site visit included 2-4 sampling bouts. Due to less intensive sampling effort, these datasets are smaller in terms of the number of individual bees collected (302.3, sd = 64.1) and the number of plant species included (mean = 6.25, sd = 0.5).

The final dataset included in this analysis is wild bee visits to an outdoor experimental garden, which is described in detail in a published paper (MacLeod et al 2016). The garden was planted in a 6 x 17 block design, in which 17 plant species were planted in 1 m^2 monoculture plots, randomly arranged in each of 6 blocks (i.e. 6 rows), such that each plant species was replicated six times. Total garden area was ~1600 m^2. Bees were collected during repeated, timed observations of each plot. Thus, the abundance of each plant species was standardized by area, and sampling effort was standardized across plant species. This dataset was relatively large, including 2367 individual bees, and 17 plant species.

Text S2: Identifying "functionally important bee species"

In this study, we define "important" bee species as those providing some threshold proportion of visits to a given plant species. In doing so, our aim is to identify the bee species that account for a substantial proportion of all bee visits to a given plant species. We acknowledge that any choice of threshold is to some extent arbitrary; we are collapsing a continuous measure to a binary measure. In the analysis of real-world ecosystem functions, however, it is often necessary to use some method to distinguish the more functionally important species, to avoid counting all species, including those that may have been observed only once or twice in a large study, as essential to function. Similarly, real-world datasets will always be subject to sampling effects (e.g., increases in the number of species recorded with increased sampling effort) because it is not possible to sample natural communities completely. Focusing on those species that account for a large(r) proportion of individuals collected will mitigate the impact of sampling effects on

the analysis, because the more common species are better sampled than the rare ones for a given level of sampling effort.

In the main text, we use a 5% threshold, such that any bee species contributing at least 5% of the visits to a given plant species is considered important. We believe this captures 'functionally important' species in a biologically reasonable way. When using the 5% threshold, the important species provide 81% of the bee visits per plant species on average (sd = 8.9%), while representing only 35% of the bee species per plant species (sd = 18%). Fig. S2 shows what the 5% threshold means graphically by plotting example rank-abundance distributions of bees per plant species, with the functionally important bee species shaded. Fig. S3 shows how the proportion of species considered important and the visits they provide changes with the choice of threshold.

Text S3: Sensitivity analyses

We re-ran each of our analyses using a range of thresholds to define bee importance, from bees providing at least 2.5% of a plant's visits to those providing at least 10% of visits, by increments of 0.1% (76 total runs). Because the null model takes hours to run, however, we only ran the null model four times, for thresholds of 2.5, 5, 7.5, and 10%. For plant species with few observations, low importance thresholds can mean that *every* bee species is considered important, even bee species with only one visit. To avoid this, we included a condition that a bee must meet the threshold for importance *and* be represented by >1 individual.

A lower, more inclusive threshold would mean that more bee species would be considered functionally important to each plant, raising the intercepts of the accumulation curves. A higher, less inclusive threshold should result in the opposite. Having a larger number of important species also creates more opportunity for turnover of important species, so we might also expect the lower, more inclusive thresholds to result in steeper accumulation curves. Indeed, the absolute number of important bee species varied with the choice of threshold as expected (Figs S4a, S5). Yet, the factor-increase in the total number of functionally important bees between a single plant species and its community varied little, ranging from 4.3 to 5.2, and actually increasing with the threshold used (Figs S4b, S5). Z-scores also increased with higher thresholds, from an average of 6.6 at the more inclusive threshold of 2.5%, to 8.3 at the less inclusive threshold of 10% (Fig S5). This is because the null models were flatter and less variable under higher thresholds, accentuating differences between the observed results and null expectation. In turn, this is likely because of the skewed bee species abundance distributions; at higher thresholds, when only highly dominant bee species are considered important, it is more difficult for less abundant bees to appear important by chance. As a result, there is less turnover of important bees across plants, and less variation in results between runs of the null model. In sum, while the number of bee species defined as 'important' changed with the threshold used (as would have to be the case), the main results of the study (the factor increase across the species accumulation curve, and the Z score representing the biological component of the increase) were qualitatively similar across thresholds.

Supplemental figures

Fig S1 Map of our study plots in New Jersey, USA. The experimental garden is the southern-most plot.

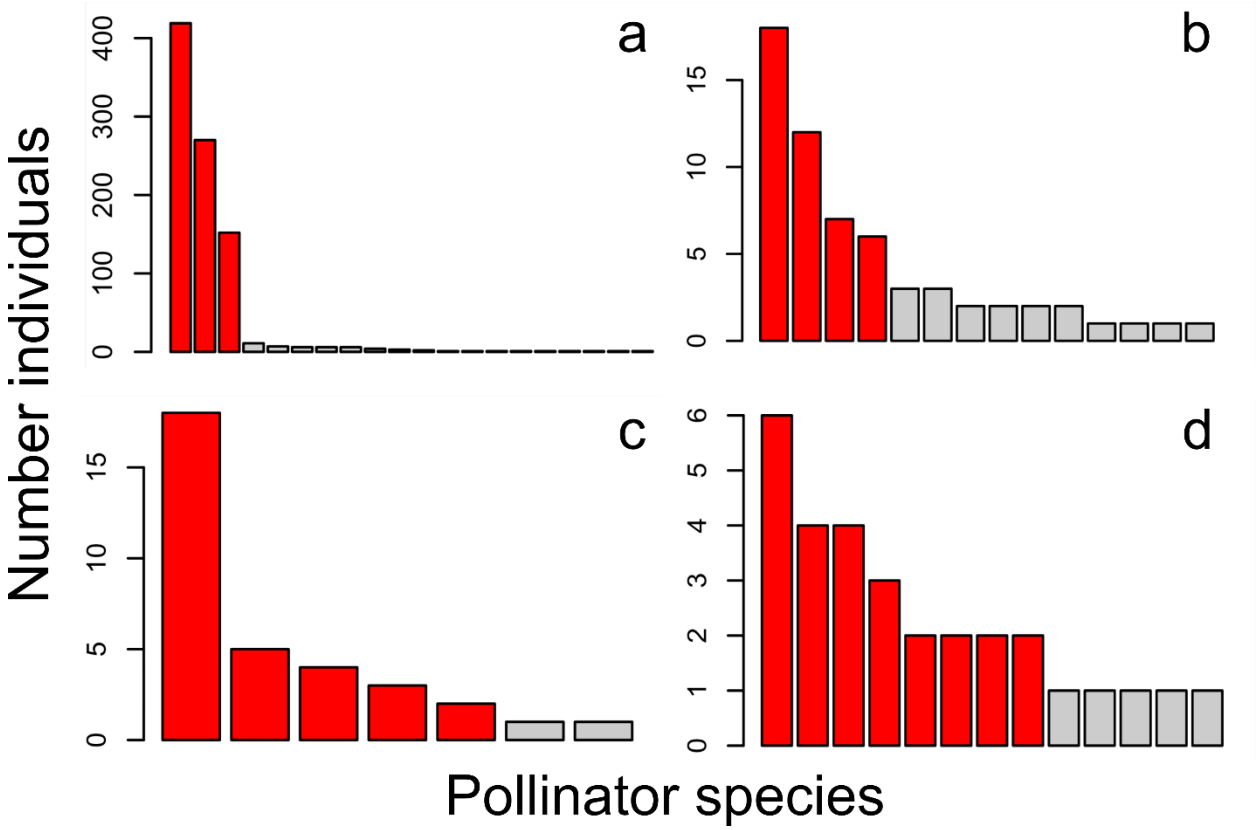


Fig S2 Example rank abundance distributions of bee species visiting four different plant species, with important bees (those contributing ≥5% of visits) shown in red. These distributions demonstrate the range of what the 5% importance thresholds look like in practice. Most plant species' distributions look like (a) or (b), in which relatively few bee species are considered important. For some plants, however, quirks of small sample sizes or more even bee abundance distributions led to a high proportion bee species being considered important, as in (c) and (d).

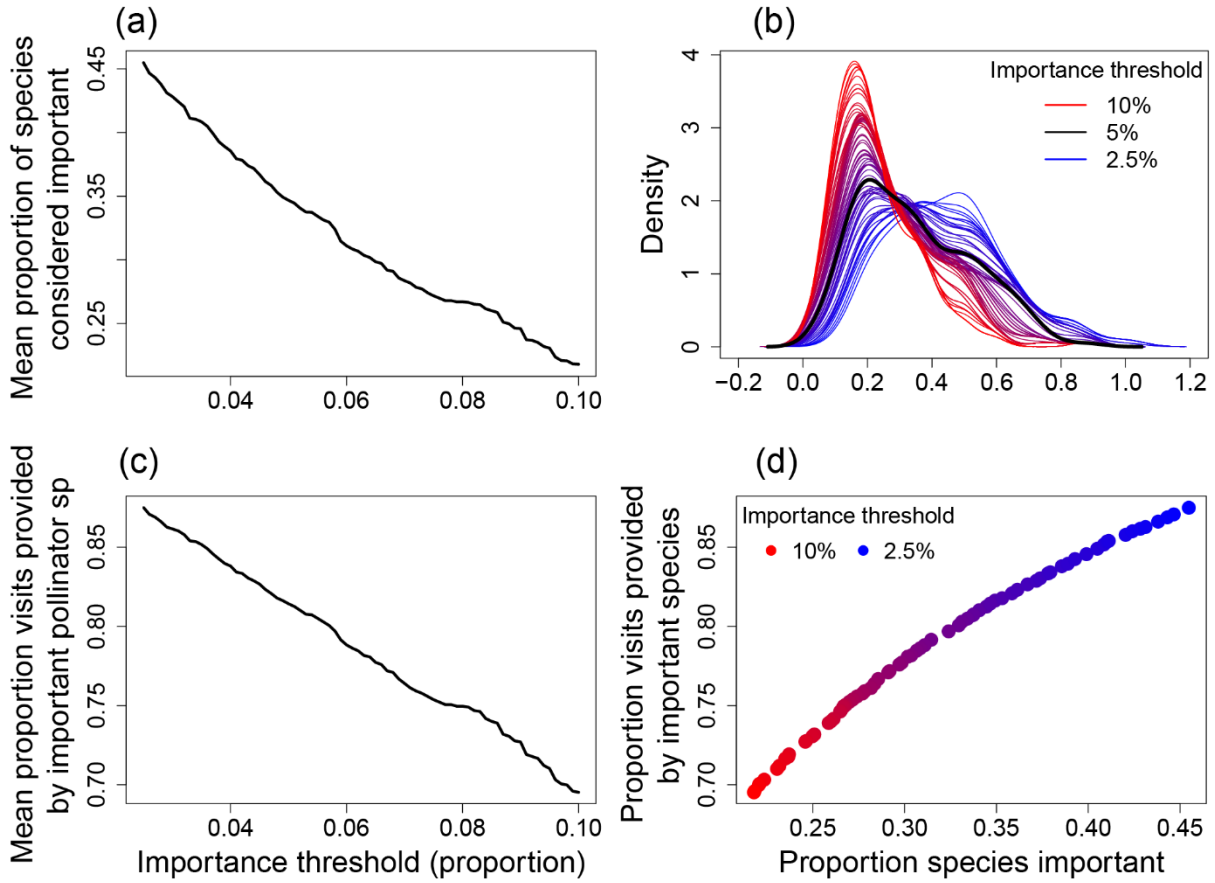


Fig. S3 Effect of the threshold used to define importance on the proportion of bee species considered important and the proportion of visits provided by those important species. (a-b) The proportion of species considered important declines with higher importance thresholds; (a) shows the mean, across networks, and (b) shows the distribution of values across networks. (c-d) Because fewer species are considered important with higher thresholds, the proportion of visits contributed by those species also decreases. However, across all thresholds we considered (2.5-10% of visits), important bee species account for a high proportion of total flower visits (ca. 70-90%).

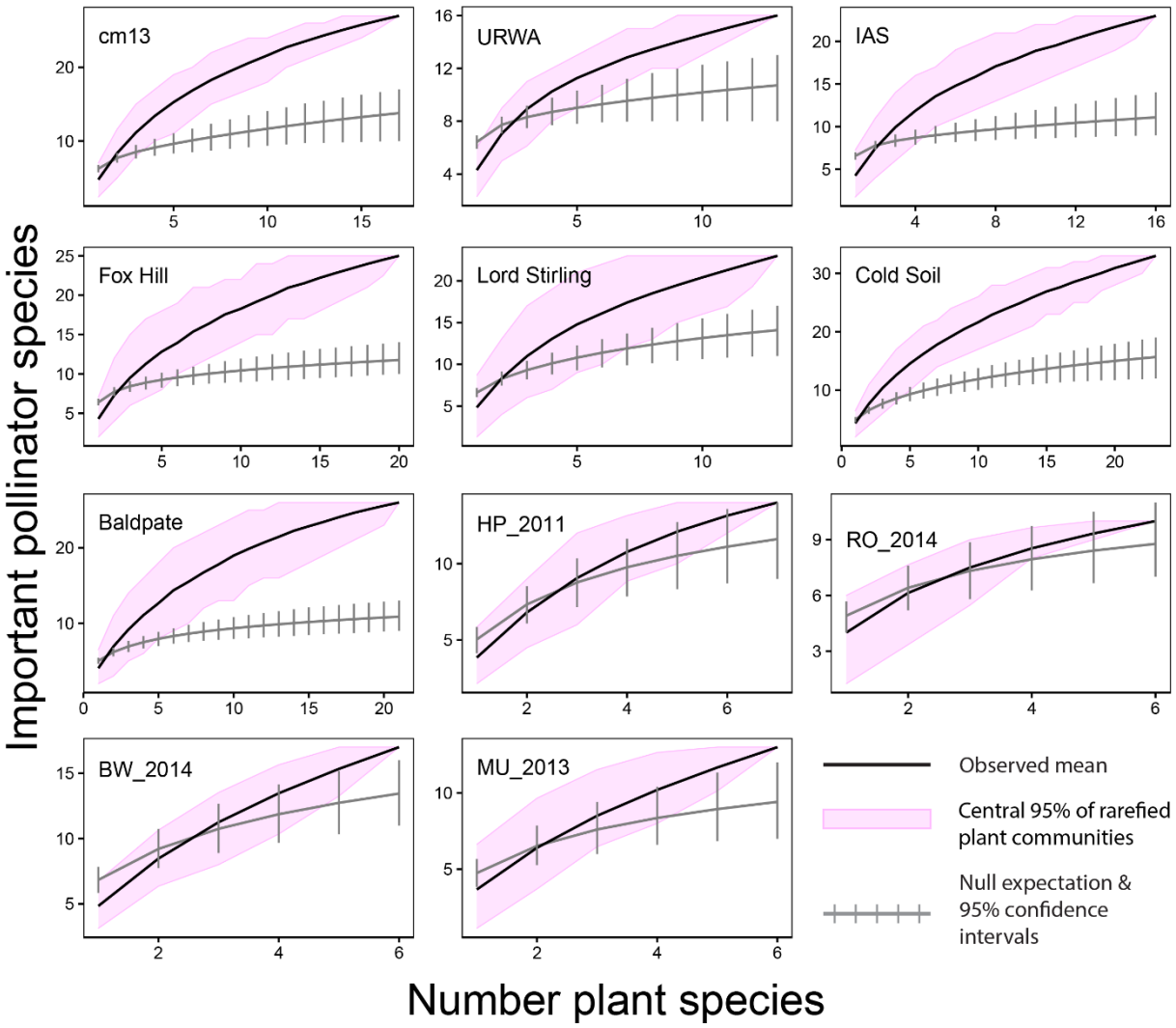


Figure S4. Observed and null accumulation curves for each network. Text in the upper left of each panel refers to the network (see Table S1); 'cm13' is the experimental garden and the rest are natural / semi-natural meadow communities. Each curve describes the mean number of important bee species, taken across combinations of plant species. The ribbon around the observed accumulation curve shows the inner 95th percentile (i.e., 2.5th to 97.5th percentile) at each rarefied value of plant richness, and thus describes variation in the number of important bee species that is due to plant identity. The vertical bars on the null accumulation curve were similarly calculated, but represent the inner 95th percentile of *means* across iterations of the null model. This variation comes from stochastic sampling effects under an assumption of no true differences among bee species in the plant species they visit. Thus, these vertical bars represent 95% confidence intervals around the mean expectation of the null model. Comparing the mean observation (the black curve) to the null expectation and its CI (grey curve and vertical bars) asks whether, on average, more bee species are important than expected due to sampling effects alone. In 9 of our 11 networks, the answer is yes.

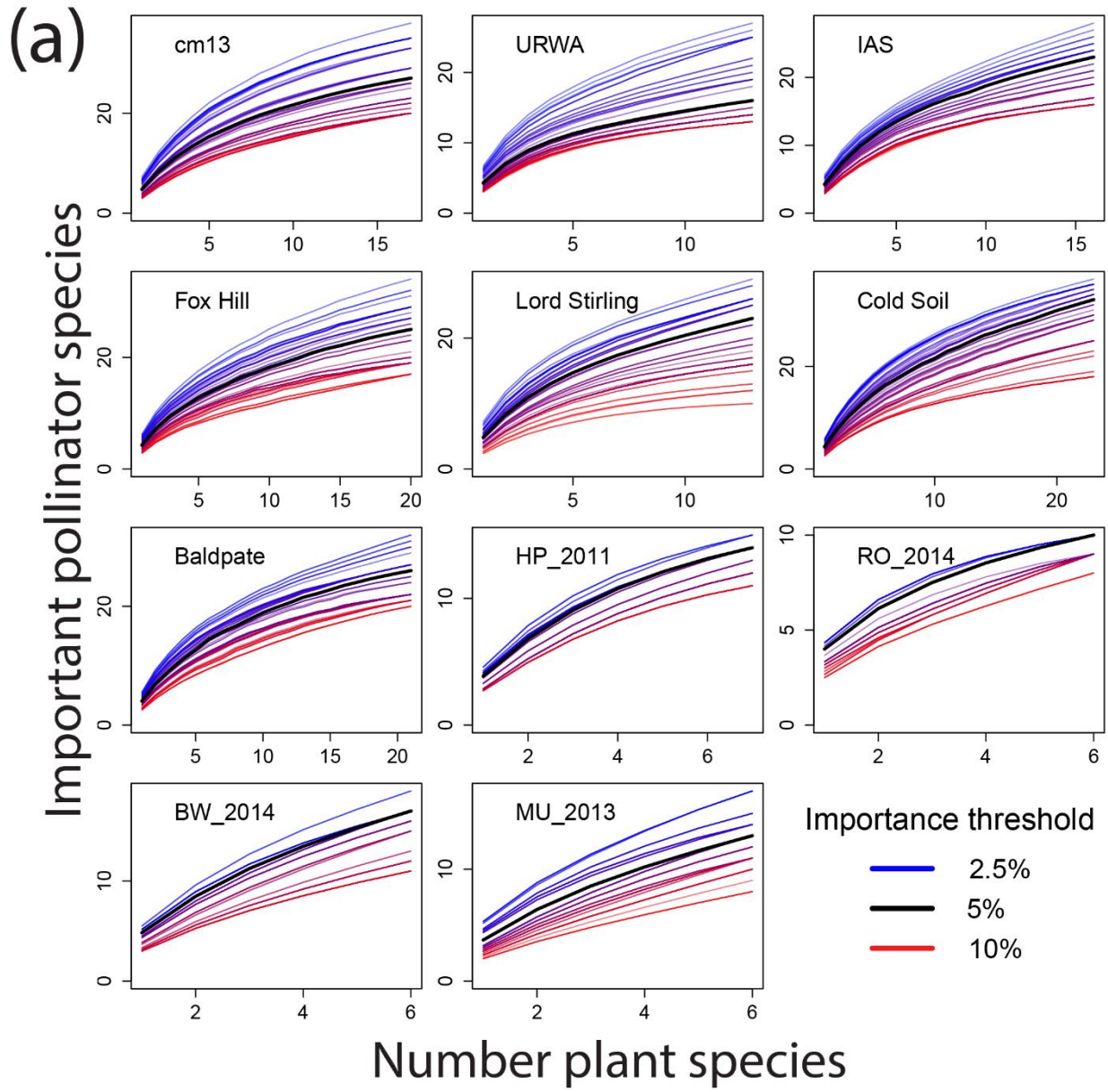


Fig S5a *(cont'd next page)*

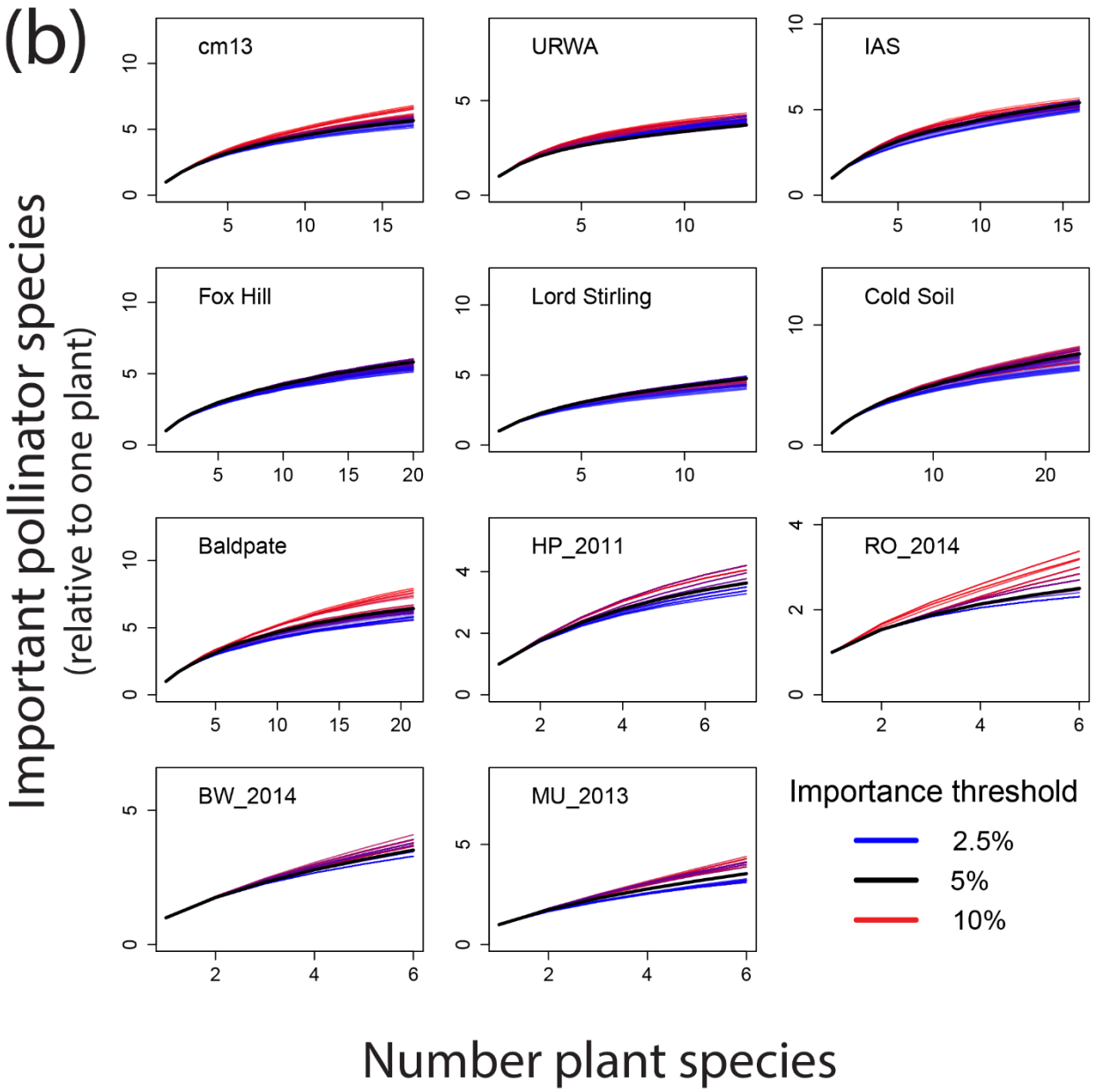


Figure S5 Sensitivity analysis showing the accumulation of important bee species with increasing plant species richness under varying thresholds of importance. Text in the upper left of each panel refers to the network/dataset (see Table S1); 'cm13' is the experimental garden and the rest are natural / semi-natural meadow communities. We re-ran our analysis while defining important bees as those contributing 2.5% to 10% of visits to at least one plant species, using increments of 0.1%. (a) Increasing the threshold of importance lowers the absolute number of important species. (b) However, the proportional change in the number important bee species, relative to a single plant species, was very robust to changes in threshold definition, and actually tended to increase with higher thresholds.

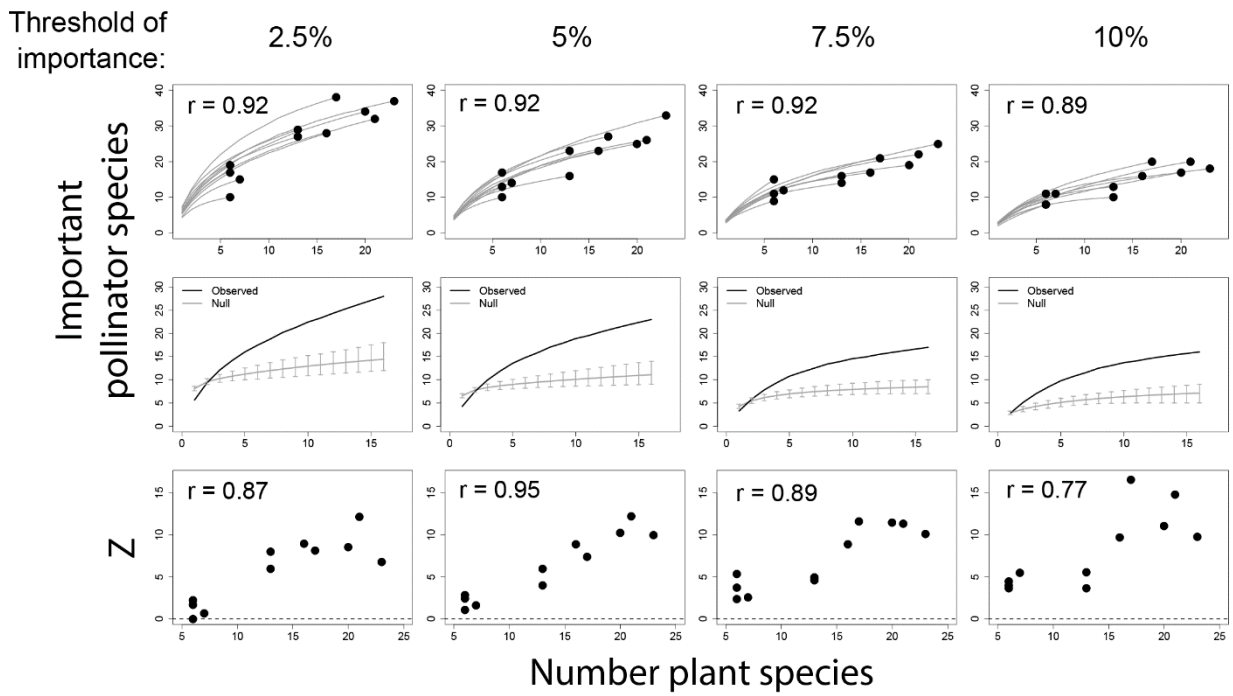


Fig S6 Effect of the threshold of importance on our main results. Each column is analogous to the main text Fig. 2. The first row shows the accumulation curves for each network. Points represent the number of bee species important to at least one plant species in the full community, and grey lines represent the accumulation of important species across rarefied levels of plant species richness (i.e., means of across rarefied plant communities). The r value refers to the correlation between plant species richness and the number of important bees in the whole network (i.e. the black points). The second row shows the accumulation curve of a typical network together with its null model. The third row shows Z-scores for the number of important bees in each network, and r values refer to the correlation between these Z-scores and plant species richness. Although the absolute number of important bee species decreased with increasing thresholds, the relationship between important bees and plant richness remains largely unchanged. In fact, the average Z-score goes up under higher thresholds because the null models get flatter and less variable.

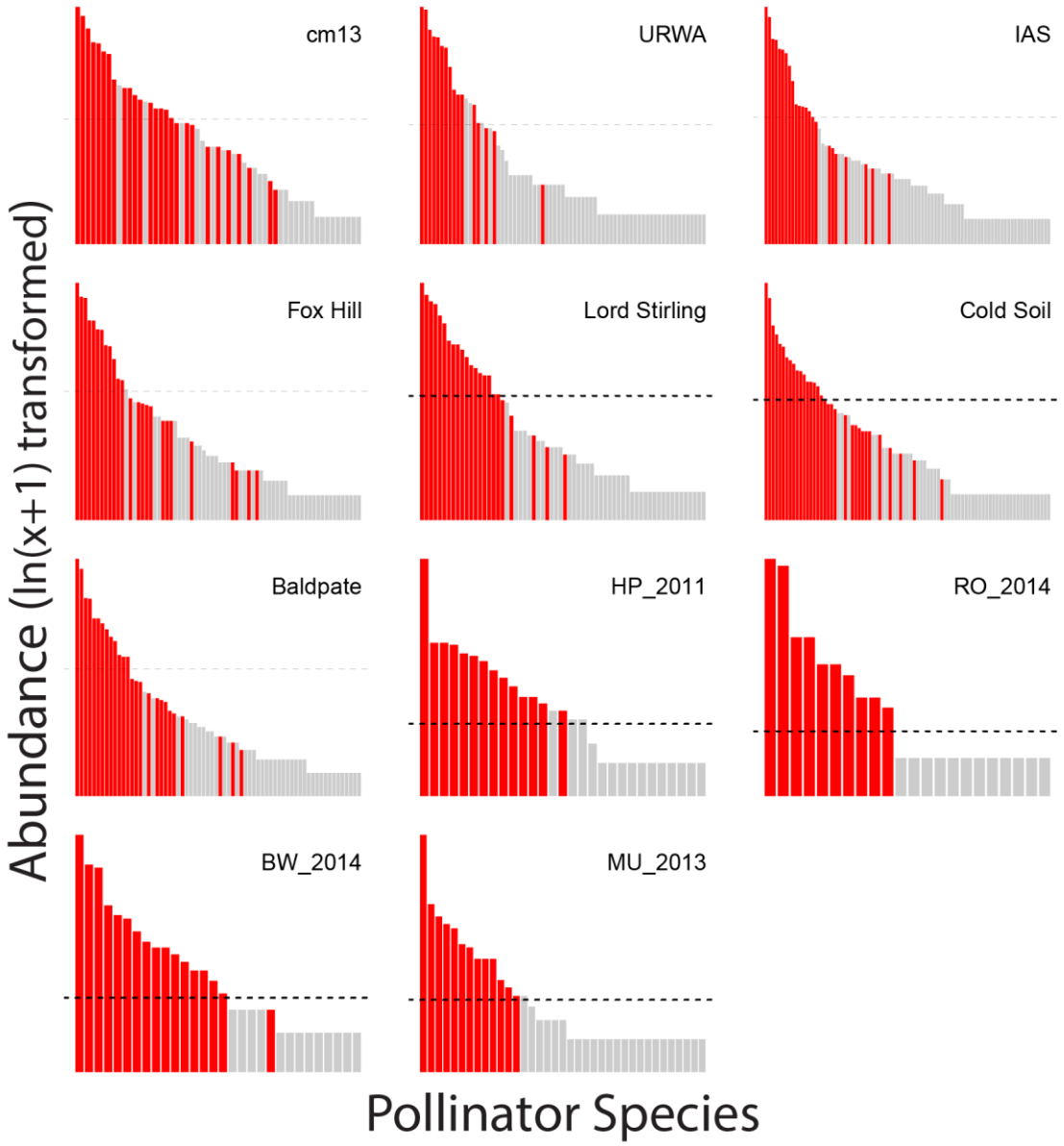
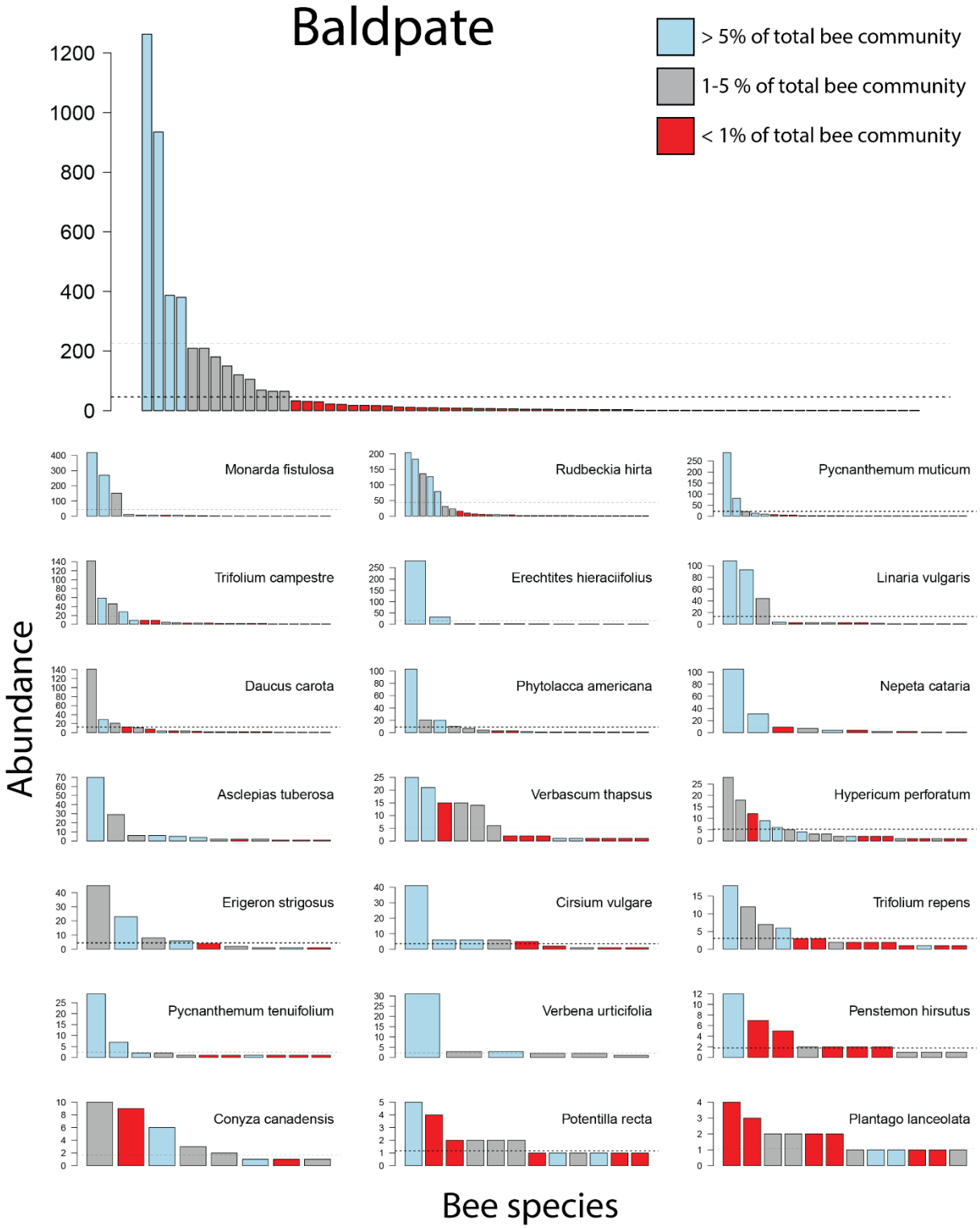


Figure S7 Log-transformed rank abundance distributions for each of the networks in our analysis with the important bee species (those contributing at least 5% of total bee visits to at least one plant species) shown in red. The horizontal dashed line represents 1% of the total bee community; bee species below this line are considered locally rare. Text in the upper right of each panel refers to the network/dataset (see Table S1); 'cm13' is the experimental garden and the rest are natural / semi-natural meadow communities. In most plant communities, many rare bees are also important to function of at least one plant species.



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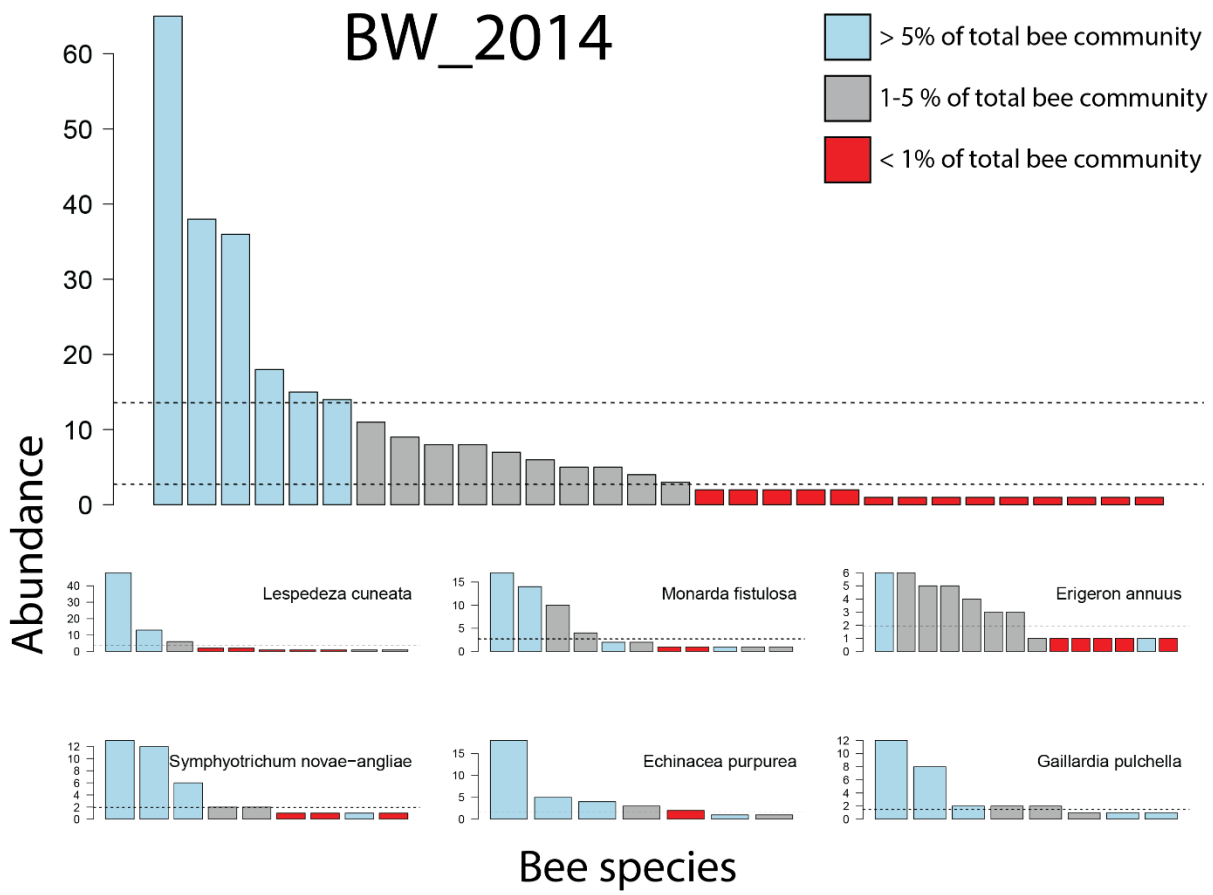

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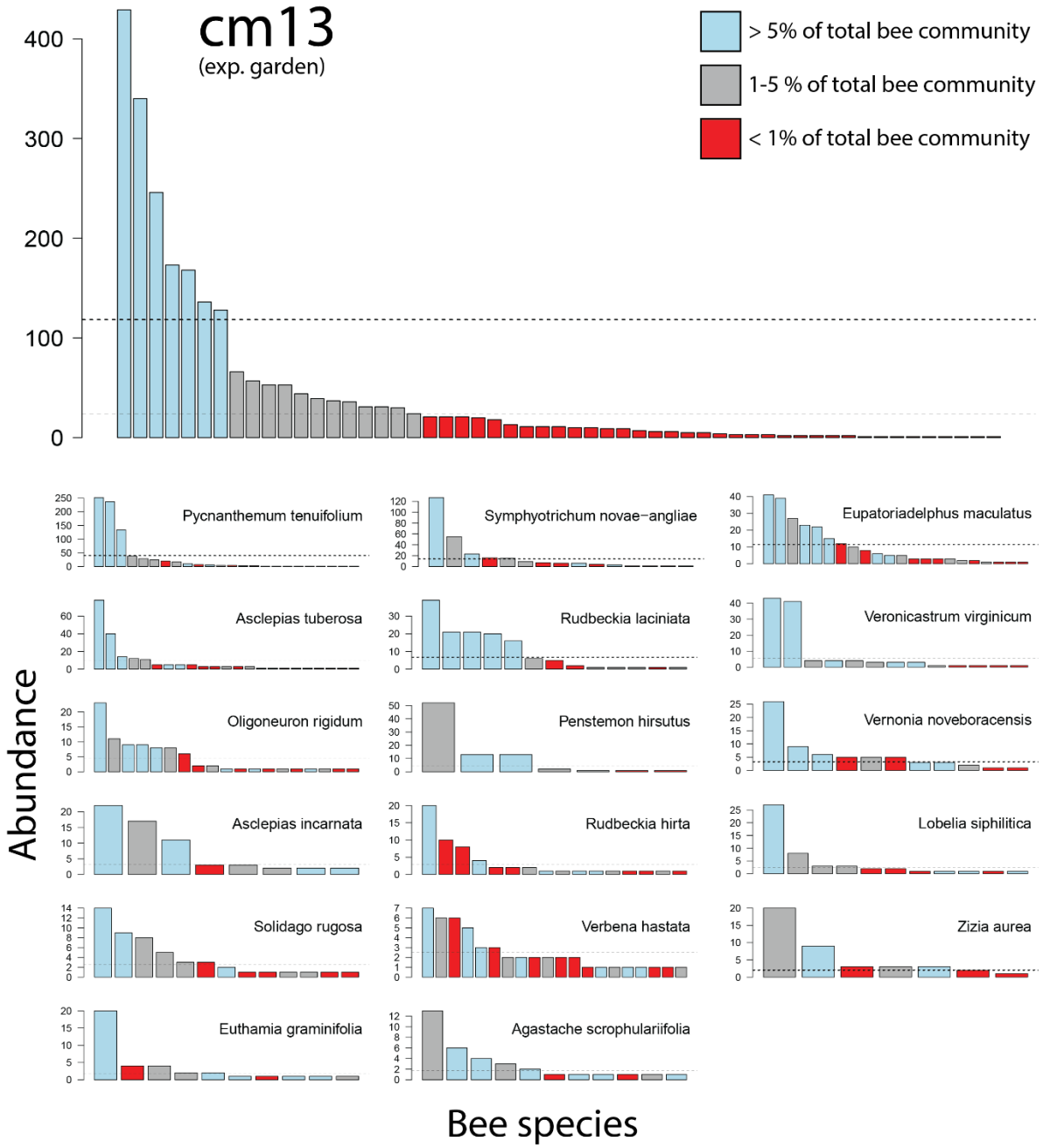

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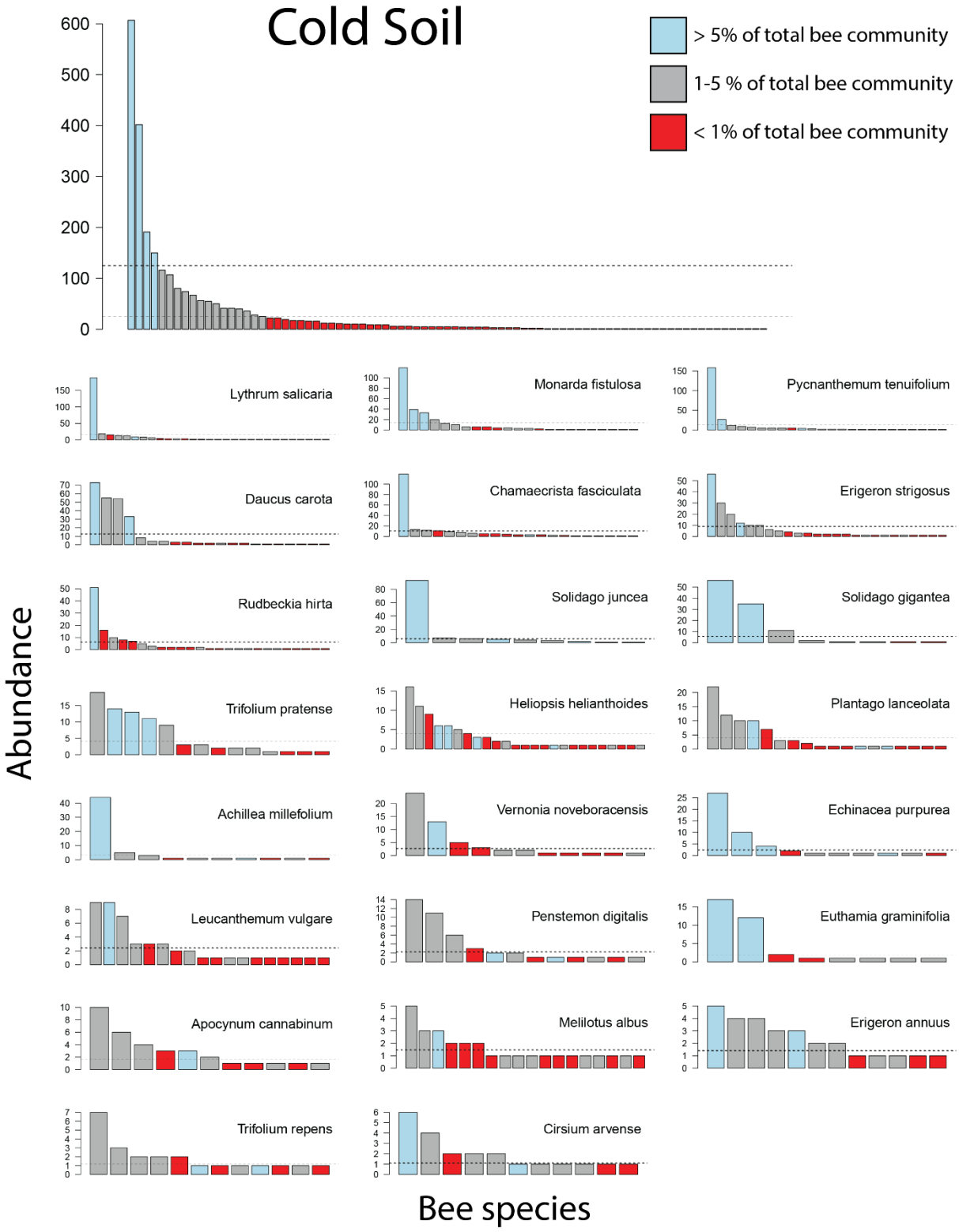

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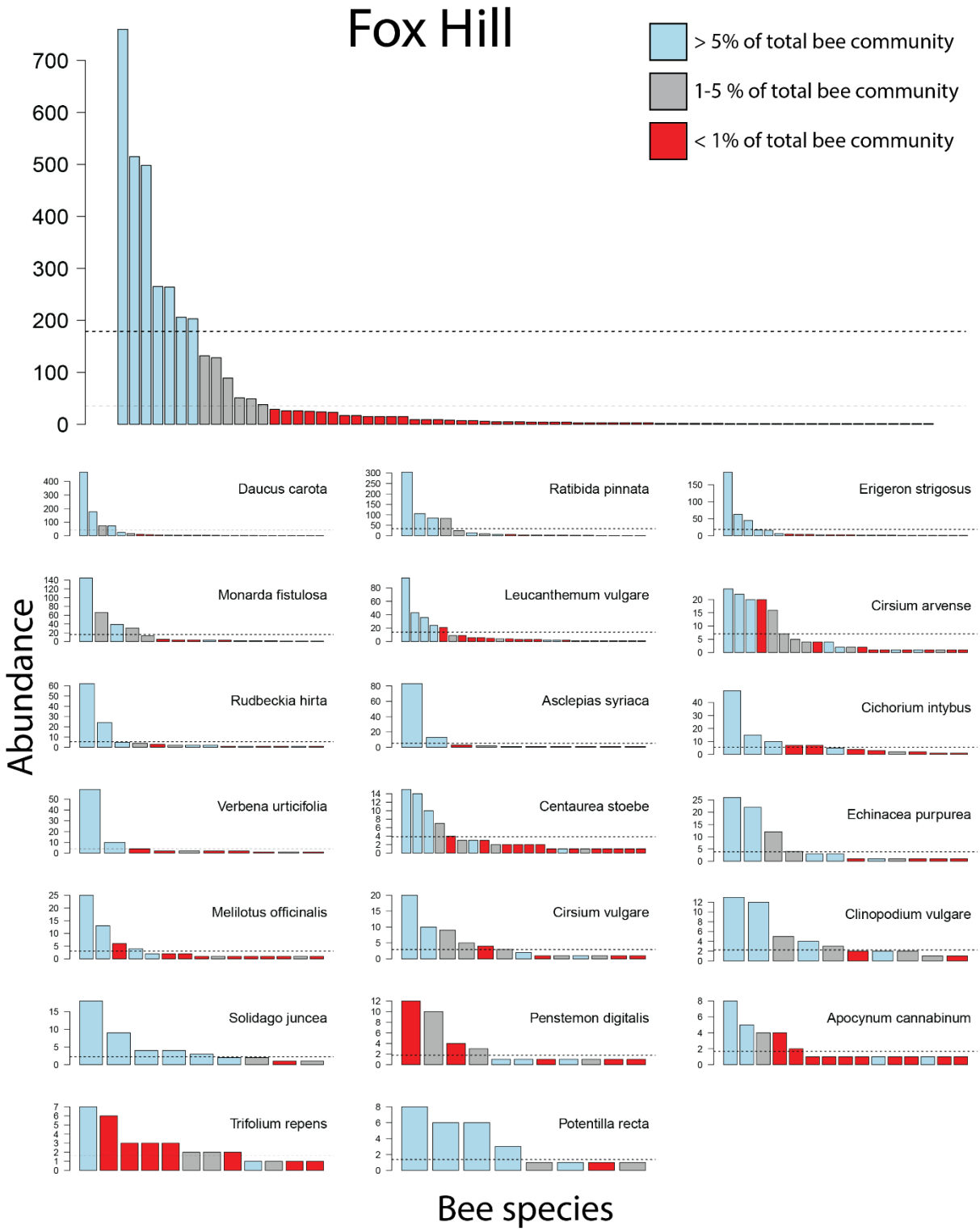

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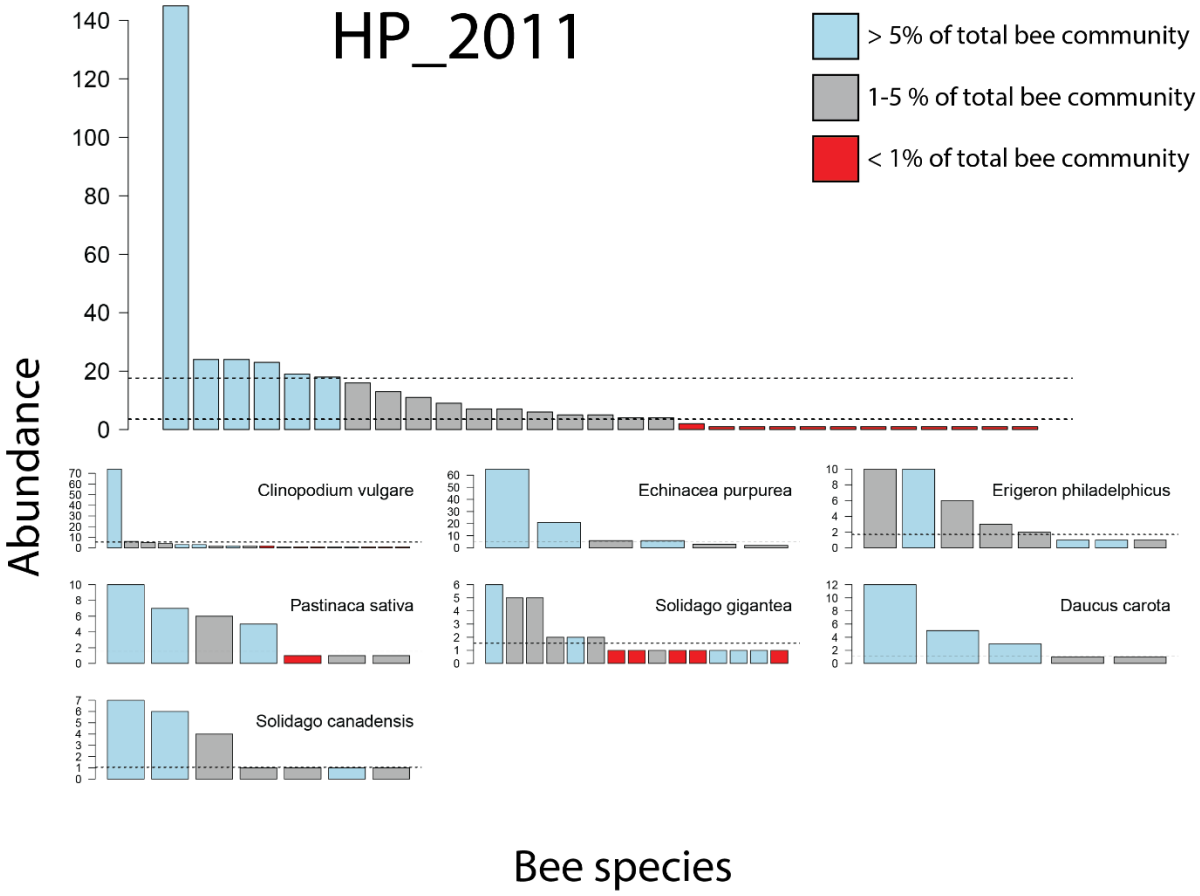

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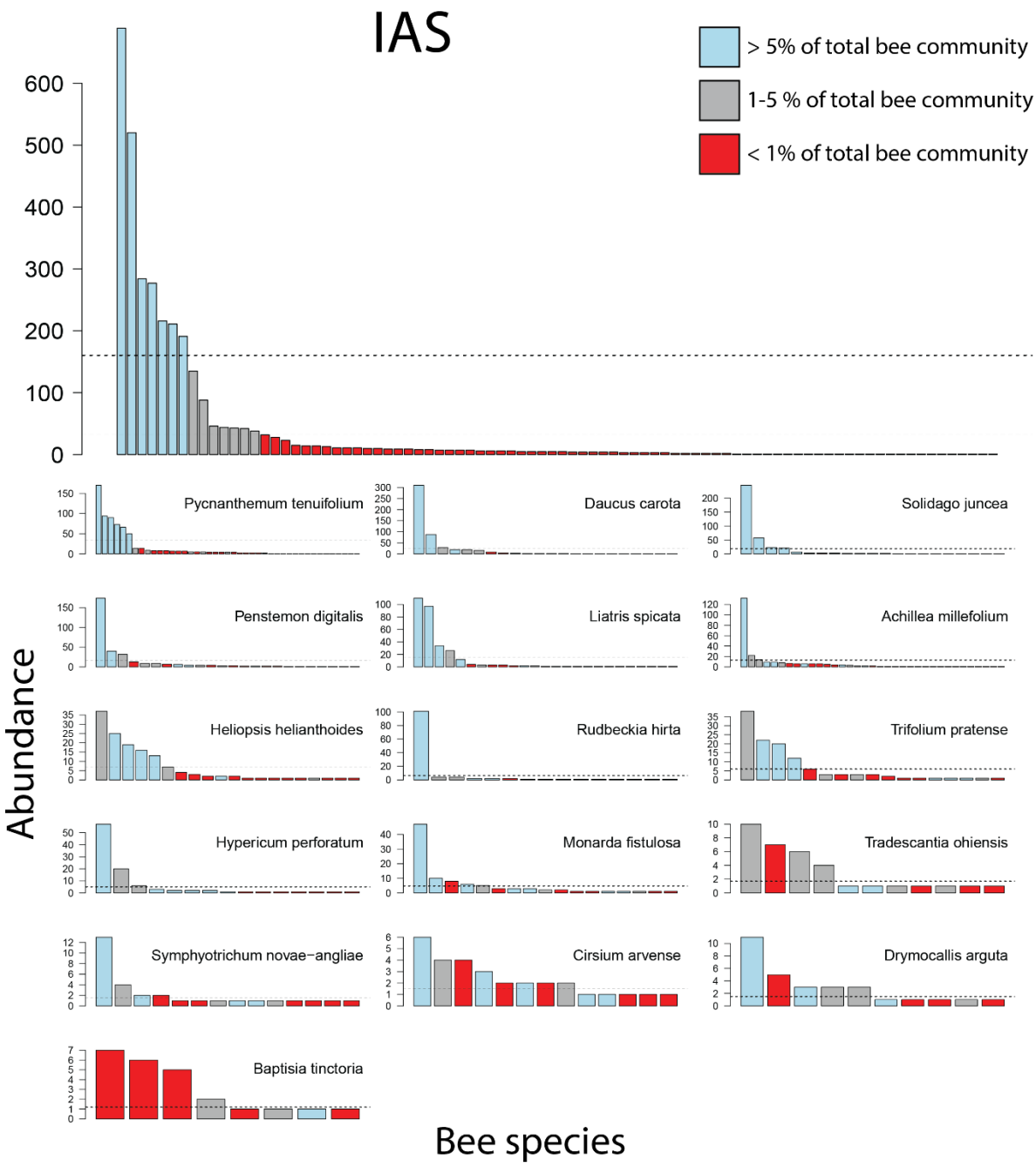

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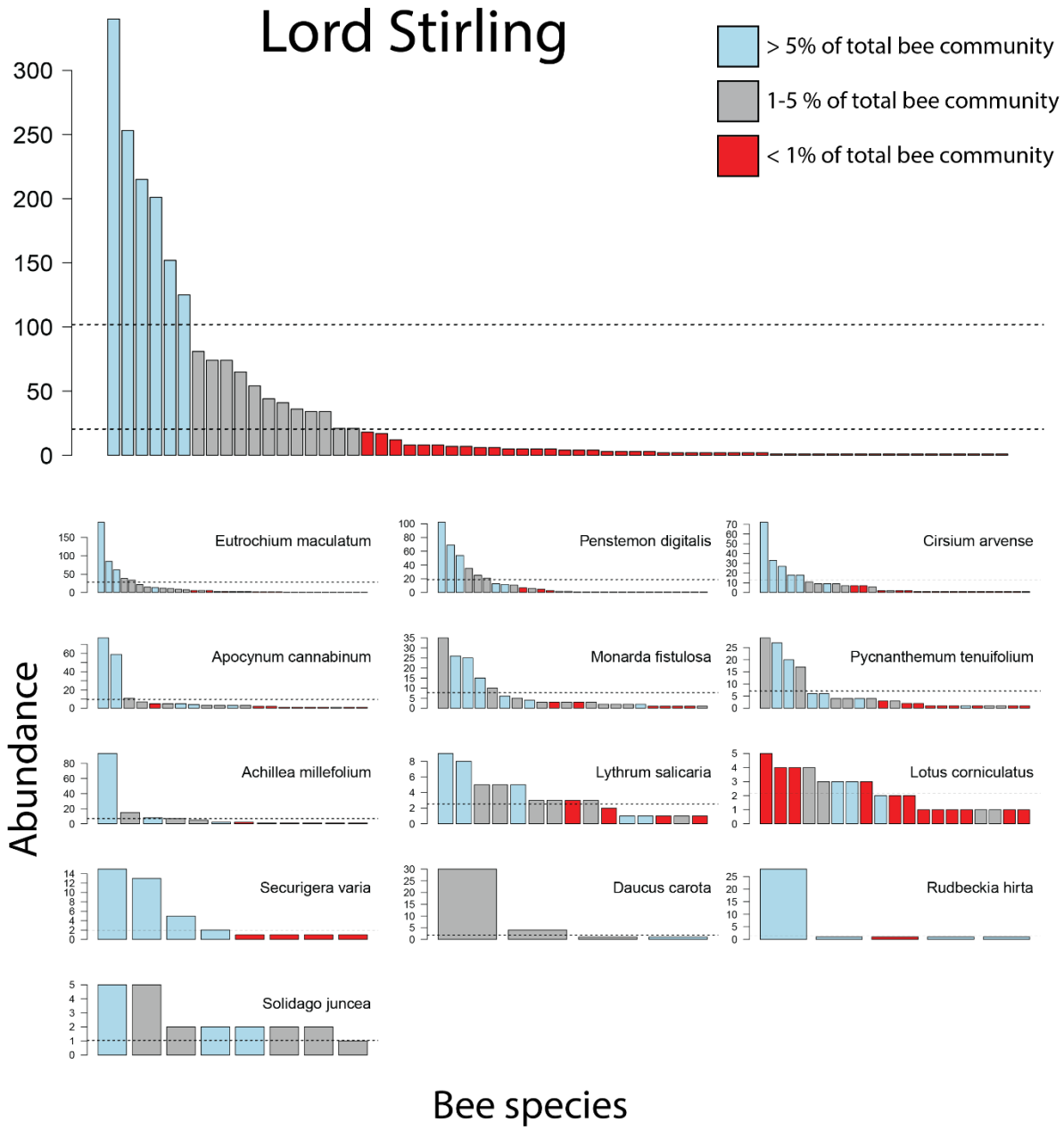

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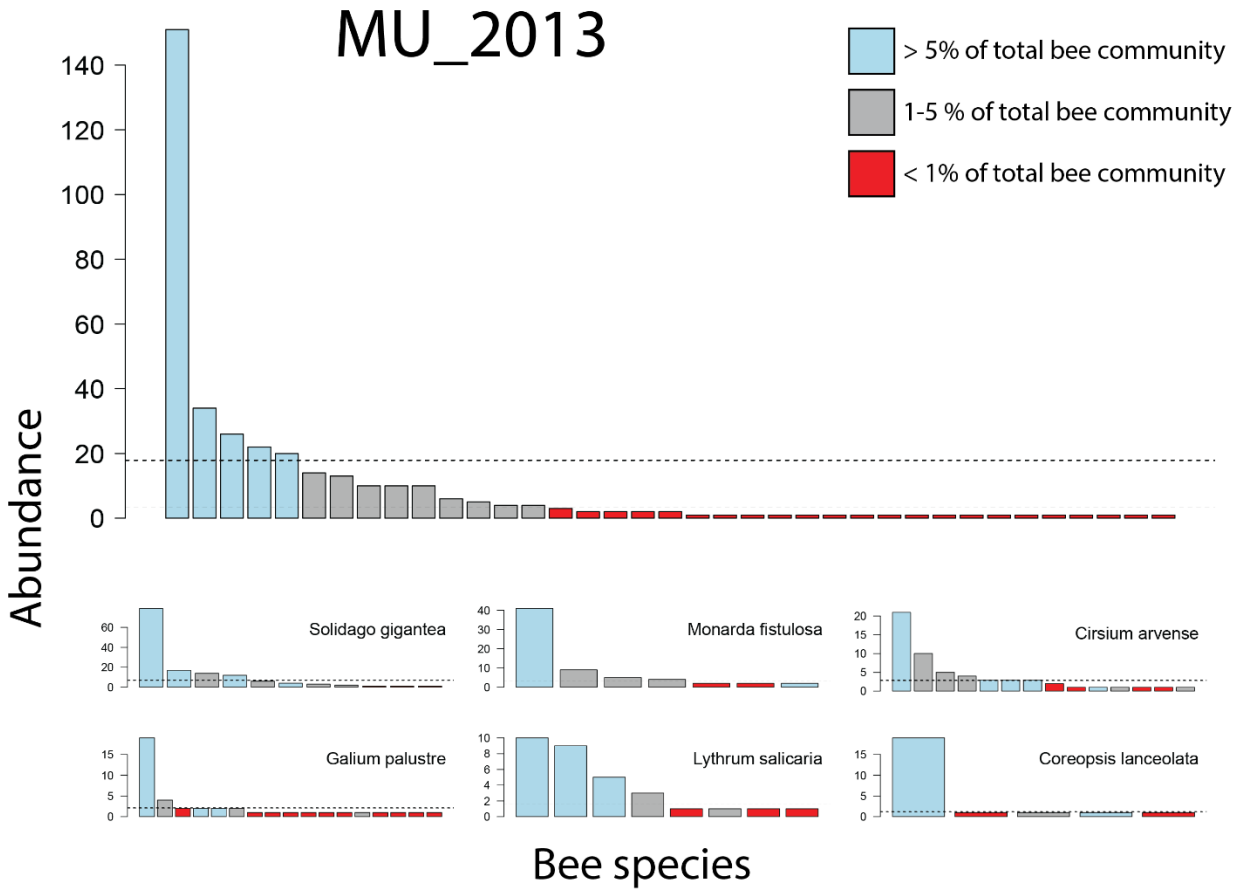

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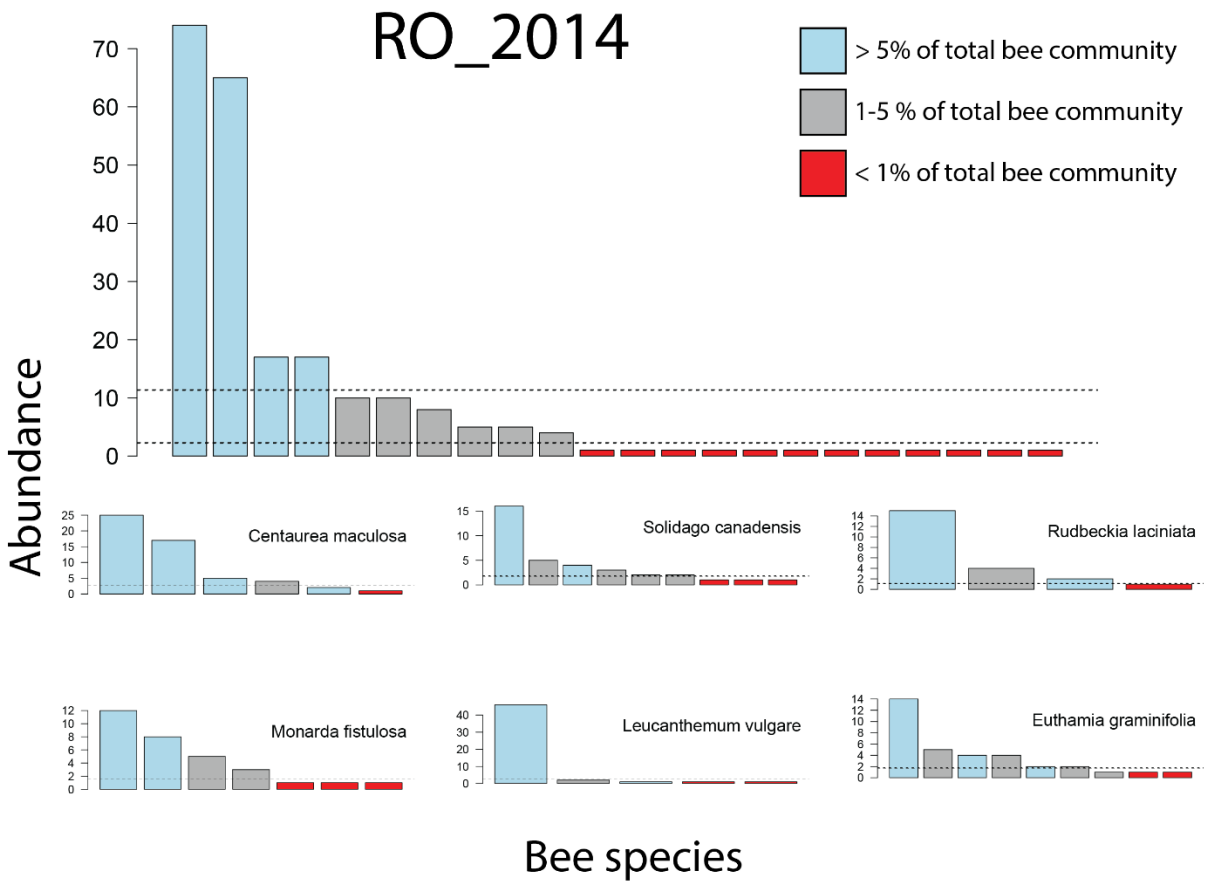

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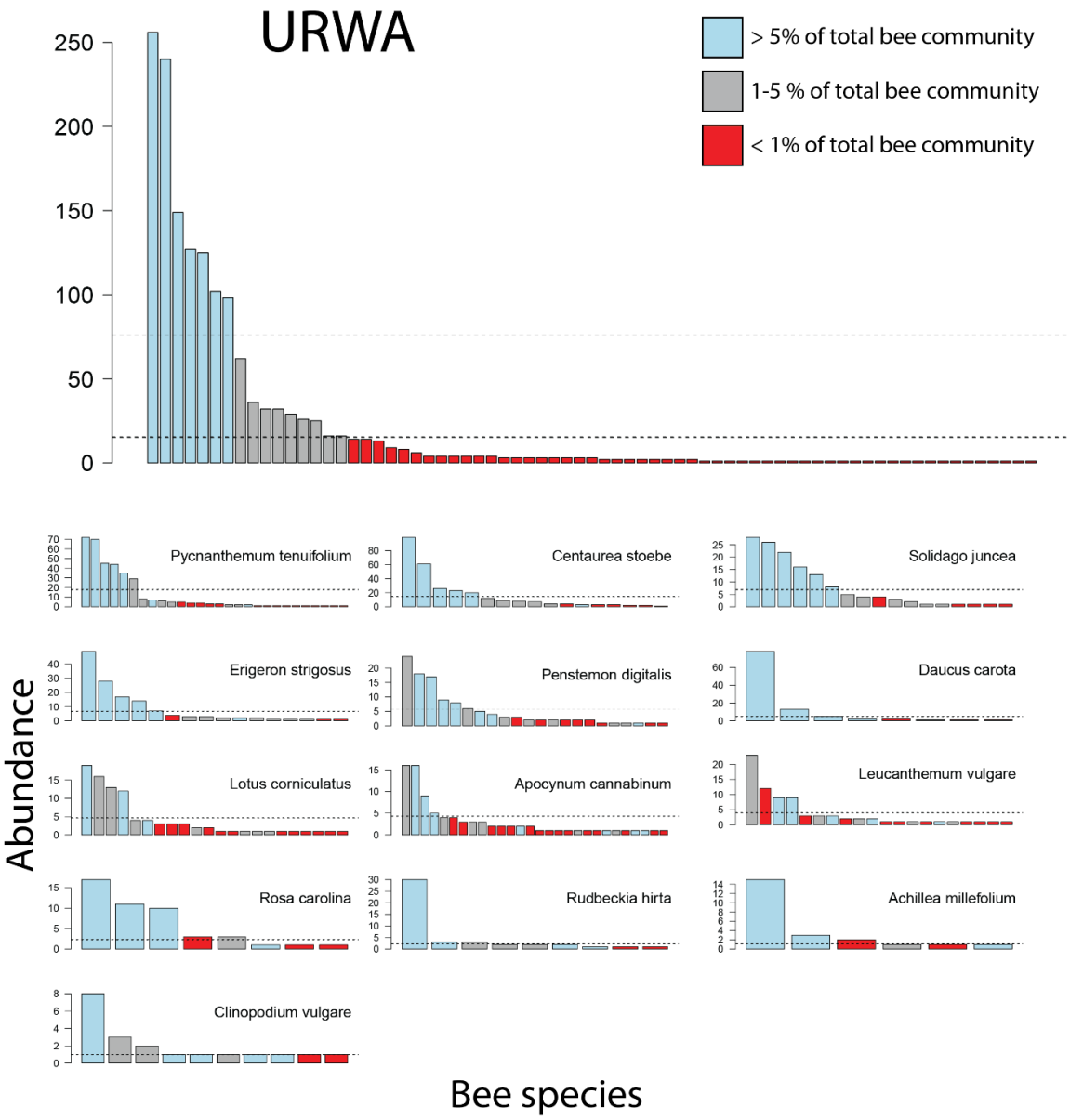

Figure S8. Bee abundances by rank in each of our networks (large insets at the top of each page) and on each plant species in each network (small insets). These plots are analogous to Figure 1 a-c. In the network-wide abundance distributions (large insets), dotted horizontal lines denote 5% and 1% of the total bee community. In the plant-level abundance distributions (small insets), horizontal line denotes 5% of the individuals visiting that plant species. The insets for each plant species are arranged in descending order (left to right, top to bottom) by the number of observations on each plant species. These figures are interpreted as in Figure 1: if bee species are mostly redundant, the same dominant bee species (in blue) will tend to dominate visits to individual plant species. Complementarity among bee species, on the other hand, will lead to subdominant or even rare species (in grey and red) to dominate visits to some plant species.

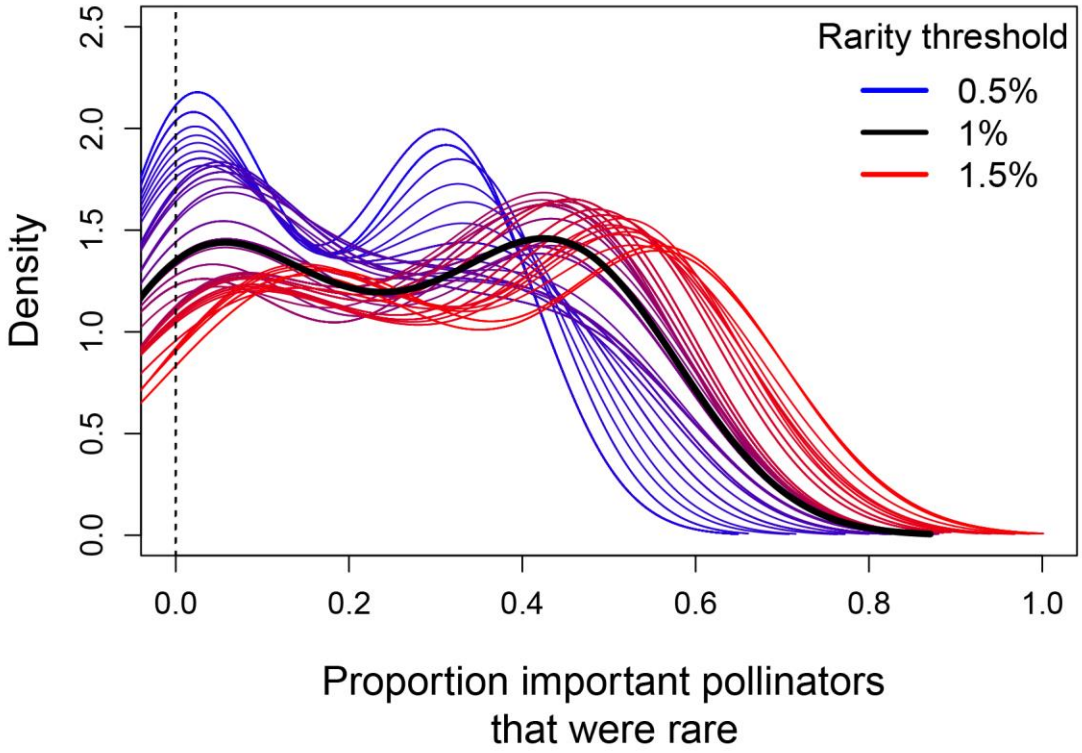

Figure S9 Sensitivity analysis showing the proportion of important bee species that are rare, across networks, using different rarity thresholds. In this figure, we held the threshold of importance at 5% of visits and used rarity thresholds of 0.5% to 1.5%, by increments of 0.01%. Raising the rarity threshold means more important bee species are considered rare, and vice versa. In the main text, we used a threshold of 1%. However, regardless of the threshold, our conclusion remains the same: across networks, a substantial proportion of important bee species are also locally rare.

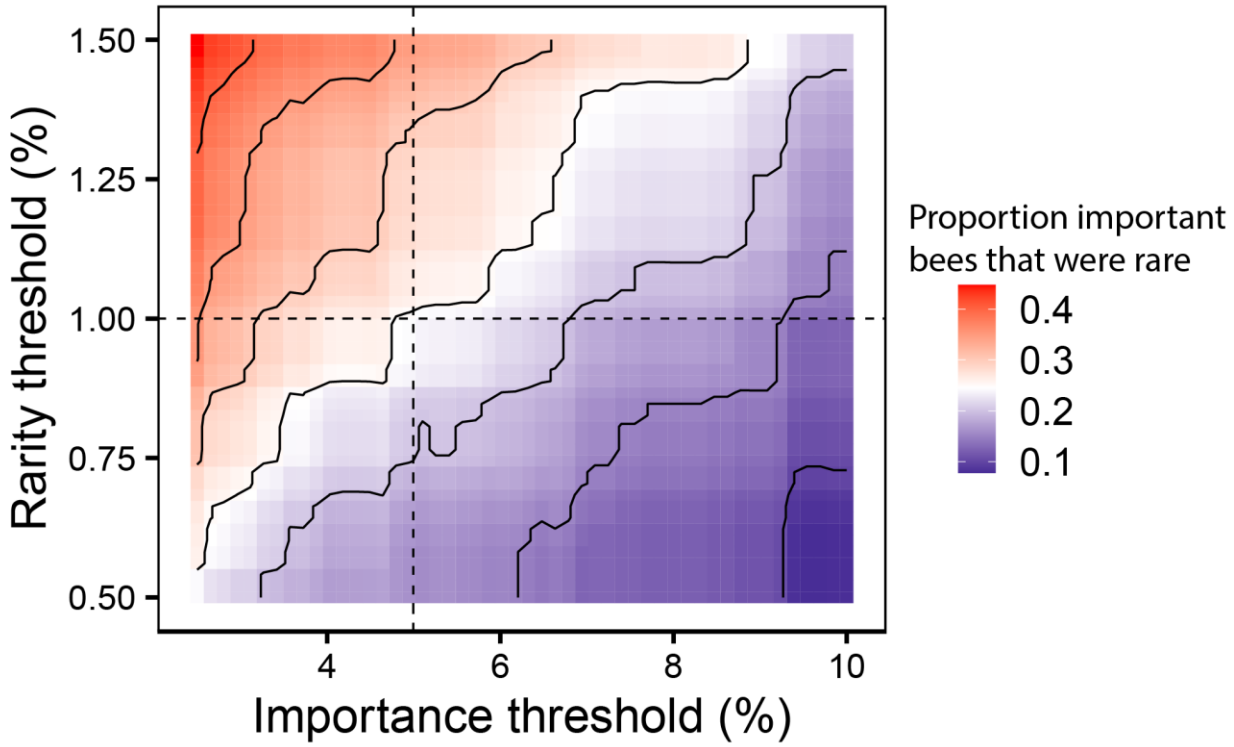

Figure S10 Sensitivity analysis showing the proportion of important bees that were rare using different thresholds of both bee importance and rarity. The value shown is the mean proportion across all 11 networks. The proportion of important bees that are rare increases with lower thresholds of importance and higher thresholds of rarity. Within this parameter space, the mean (across networks) proportion of important bees that are considered rare ranges from 7.8% in the bottom right to 44.8% in the top left. In the main text, we used thresholds of 5% for importance and 1.0% for rarity, resulting in a mean of 24.0% of important bees being considered rare (shown as white). Although this value is dependent on the thresholds used, our general conclusion holds across networks: it is common for important bees to also be rare, even under strict definitions of importance and rarity.

Supplemental tables

Table S1. Datasets, or networks, included in our analysis. Each network was collected at one site in one year. Cape May (cm13) is the experimental garden, in which plant abundance was standardized (by area) ad sampling effort was standardized across plant species. The column Unique Sampling Days refers to the number of different days during the focal year on which sampling occurred. Total Sample Effort refers to the total number of minutes spent netting, summed across days and data collectors. In the remaining columns, we include values for the entire dataset as collected, and the subset of the data we analyzed here (by including only plant species with ≥ 20 observed interactions).

Network	Citation	Unique sample dates	Total sample effort (minutes)	Plant sp (original/subset)	Bee sp (original/subset)	Observations (original/subset)	Unique interactions (original/subset)
Cm13	MacLeod et al 2016	30	5280	17/17	54/54	2346/2346	243/243
Baldpate	Roswell et al 2019	14	2400	47/21	69/68	4629/4513	383/313
Cold Soil	Roswell et al 2019	13	2580	52/23	84/83	2637/2498	447/375
Fox Hill	Roswell et al 2019	16	3690	37/20	74/70	3714/3582	363/306
IAS	Roswell et al 2019	16	3810	36/16	88/86	3342/3209	380/310
Lord Stirling	Roswell et al 2019	14	3690	26/13	65/64	2098/2039	268/232
URWA	Roswell et al 2019	16	4020	26/13	74/71	1594/1526	254/211
BW_2014	This paper	4	80	14/6	35/30	334/271	91/59
HP_2011	This paper	7	250	21/7	33/29	415/353	109/66
MU_2013	This paper	6	160	36/6	42/37	488/358	133/62
RO_2014	This paper	4	80	22/6	33/22	289/227	80/40

References

MacLeod, M., Genung, M.A., Asccher, J.S. & Winfree, R. (2016). Measuring partner choice in plant–pollinator networks: using null models to separate rewiring and fidelity from chance. Ecology, 97, 2925–2931.

Roswell, M., Dushoff, J. & Winfree, R. (2019). Male and female bees show large differences in floral preference. PLoS One, 14, e0214909.

Roswell, M.; Dushoff, J. & Winfree, R. (2020), Data from: Male and female bees show large differences in floral preference, v3, Dryad, Dataset, https://doi.org/10.5061/dryad.c3rr6q1

Table S2. Plant species and the number of individual bees observed on that species, for each network as analyzed.

Network	Plant species	Observed interactions
Baldpate	*Monarda fistulosa*	895
Baldpate	*Rudbeckia hirta*	866
Baldpate	*Pycnanthemum muticum*	452
Baldpate	*Trifolium campestre*	336
Baldpate	*Erechtites hieraciifolius*	328
Baldpate	*Linaria vulgaris*	271
Baldpate	*Daucus carota*	255
Baldpate	*Phytolacca americana*	181
Baldpate	*Nepeta cataria*	166
Baldpate	*Asclepias tuberosa*	129
Baldpate	*Verbascum thapsus*	108
Baldpate	*Hypericum perforatum*	104
Baldpate	*Erigeron strigosus*	91
Baldpate	*Cirsium vulgare*	69
Baldpate	*Trifolium repens*	61
Baldpate	*Pycnanthemum tenuifolium*	47
Baldpate	*Verbena urticifolia*	42
Baldpate	*Penstemon hirsutus*	35
Baldpate	*Conyza canadensis*	33
Baldpate	*Potentilla recta*	23
Baldpate	*Plantago lanceolata*	21
BW_2014	*Lespedeza cuneata*	76
BW_2014	*Monarda fistulosa*	54
BW_2014	*Erigeron annuus*	39
BW_2014	*Symphyotrichum novae-angliae*	39
BW_2014	*Echinacea purpurea*	34
BW_2014	*Gaillardia pulchella*	29
cm13	*Pycnanthemum tenuifolium*	797
cm13	*Symphyotrichum novae-angliae*	275
cm13	*Eupatoriadelphus maculatus*	233
cm13	*Asclepias tuberosa*	199
cm13	*Rudbeckia laciniata*	135
cm13	*Veronicastrum virginicum*	110
cm13	*Oligoneuron rigidum*	88
cm13	*Penstemon hirsutus*	83
cm13	*Vernonia noveboracensis*	66
cm13	*Asclepias incarnata*	62
cm13	*Rudbeckia hirta*	57
cm13	*Lobelia siphilitica*	50
cm13	*Solidago rugosa*	50

cm13	*Verbena hastata*	50
cm13	*Zizia aurea*	41
cm13	*Euthamia graminifolia*	37
cm13	*Agastache scrophulariifolia*	34
Cold Soil	*Lythrum salicaria*	303
Cold Soil	*Monarda fistulosa*	277
Cold Soil	*Pycnanthemum tenuifolium*	256
Cold Soil	*Daucus carota*	254
Cold Soil	*Chamaecrista fasciculata*	211
Cold Soil	*Erigeron strigosus*	177
Cold Soil	*Rudbeckia hirta*	123
Cold Soil	*Solidago juncea*	122
Cold Soil	*Solidago gigantea*	108
Cold Soil	*Trifolium pratense*	82
Cold Soil	*Heliopsis helianthoides*	81
Cold Soil	*Plantago lanceolata*	79
Cold Soil	*Achillea millefolium*	59
Cold Soil	*Vernonia noveboracensis*	54
Cold Soil	*Echinacea purpurea*	49
Cold Soil	*Leucanthemum vulgare*	48
Cold Soil	*Penstemon digitalis*	44
Cold Soil	*Euthamia graminifolia*	36
Cold Soil	*Apocynum cannabinum*	33
Cold Soil	*Melilotus albus*	29
Cold Soil	*Erigeron annuus*	28
Cold Soil	*Trifolium repens*	23
Cold Soil	*Cirsium arvense*	22
Fox Hill	*Daucus carota*	900
Fox Hill	*Ratibida pinnata*	660
Fox Hill	*Erigeron strigosus*	375
Fox Hill	*Monarda fistulosa*	322
Fox Hill	*Leucanthemum vulgare*	285
Fox Hill	*Cirsium arvense*	141
Fox Hill	*Rudbeckia hirta*	110
Fox Hill	*Asclepias syriaca*	107
Fox Hill	*Cichorium intybus*	106
Fox Hill	*Verbena urticifolia*	84
Fox Hill	*Centaurea stoebe*	78
Fox Hill	*Echinacea purpurea*	76
Fox Hill	*Melilotus officinalis*	62
Fox Hill	*Cirsium vulgare*	59
Fox Hill	*Clinopodium vulgare*	45
Fox Hill	*Solidago juncea*	44
Fox Hill	*Penstemon digitalis*	36
Fox Hill	*Apocynum cannabinum*	33

Fox Hill	*Trifolium repens*	32
Fox Hill	*Potentilla recta*	27
HP_2011	*Clinopodium vulgare*	111
HP_2011	*Echinacea purpurea*	103
HP_2011	*Erigeron philadelphicus*	34
HP_2011	*Pastinaca sativa*	31
HP_2011	*Solidago gigantea*	31
HP_2011	*Daucus carota*	22
HP_2011	*Solidago canadensis*	21
IAS	*Pycnanthemum tenuifolium*	689
IAS	*Daucus carota*	515
IAS	*Solidago juncea*	380
IAS	*Penstemon digitalis*	323
IAS	*Liatris spicata*	311
IAS	*Achillea millefolium*	264
IAS	*Heliopsis helianthoides*	139
IAS	*Rudbeckia hirta*	124
IAS	*Trifolium pratense*	119
IAS	*Hypericum perforatum*	100
IAS	*Monarda fistulosa*	96
IAS	*Tradescantia ohiensis*	34
IAS	*Symphyotrichum novae-angliae*	31
IAS	*Cirsium arvense*	30
IAS	*Drymocallis arguta*	30
IAS	*Baptisia tinctoria*	24
Lord Stirling	*Eutrochium maculatum*	554
Lord Stirling	*Penstemon digitalis*	382
Lord Stirling	*Cirsium arvense*	254
Lord Stirling	*Apocynum cannabinum*	196
Lord Stirling	*Monarda fistulosa*	154
Lord Stirling	*Pycnanthemum tenuifolium*	140
Lord Stirling	*Achillea millefolium*	137
Lord Stirling	*Lythrum salicaria*	51
Lord Stirling	*Lotus corniculatus*	43
Lord Stirling	*Securigera varia*	39
Lord Stirling	*Daucus carota*	36
Lord Stirling	*Rudbeckia hirta*	32
Lord Stirling	*Solidago juncea*	21
MU_2013	*Solidago gigantea*	140
MU_2013	*Monarda fistulosa*	65
MU_2013	*Cirsium arvense*	57
MU_2013	*Galium palustre*	42
MU_2013	*Lythrum salicaria*	31
MU_2013	*Coreopsis lanceolata*	23
RO_2014	*Centaurea maculosa*	54

RO_2014	*Leucanthemum vulgare*	51
RO_2014	*Solidago canadensis*	35
RO_2014	*Euthamia graminifolia*	34
RO_2014	*Monarda fistulosa*	31
RO_2014	*Rudbeckia laciniata*	22
URWA	*Pycnanthemum tenuifolium*	356
URWA	*Centaurea stoebe*	287
URWA	*Solidago juncea*	137
URWA	*Erigeron strigosus*	136
URWA	*Penstemon digitalis*	115
URWA	*Daucus carota*	103
URWA	*Lotus corniculatus*	92
URWA	*Apocynum cannabinum*	87
URWA	*Leucanthemum vulgare*	78
URWA	*Rosa carolina*	47
URWA	*Rudbeckia hirta*	45
URWA	*Achillea millefolium*	23
URWA	*Clinopodium vulgare*	20

Table S3. Bee species and the number of plant visits by that species observed in the dataset as analyzed. Colors are as in Figure S8: Species that were dominant in their community (> 5% of observations) are in blue, rare species (< 1% of observations) are in red, and subdominants (1-5% of observations) are in grey. Bee species that were important to at least one plant species in its network (i.e., providing >5% of visits to that plant species) are bolded.

Network	Bee species	Observations
Baldpate	***Augochlora pura***	**1263**
Baldpate	***Bombus impatiens***	**935**
Baldpate	***Bombus griseocollis***	**387**
Baldpate	***Ceratina calcarata***	**380**
Baldpate	*Bombus bimaculatus*	209
Baldpate	*Halictus ligatus*	209
Baldpate	*Hylaeus affinis_modestus*	180
Baldpate	*Andrena wilkella*	150
Baldpate	*Augochloropsis metallica*	120
Baldpate	*Augochlorella aurata*	105
Baldpate	*Ceratina strenua*	69
Baldpate	*Lasioglossum imitatum*	65
Baldpate	*Lasioglossum versatum*	65
Baldpate	***Lasioglossum hitchensi_weemsi***	**33**
Baldpate	***Agapostemon virescens***	**31**
Baldpate	***Halictus confusus***	**30**
Baldpate	*Megachile mendica*	22
Baldpate	***Ceratina dupla***	**21**
Baldpate	*Halictus parallelus*	18
Baldpate	***Megachile exilis***	**18**
Baldpate	***Lasioglossum illinoense***	**17**
Baldpate	***Hylaeus mesillae***	**16**
Baldpate	***Xylocopa virginica***	**12**
Baldpate	***Lasioglossum cressonii***	**11**
Baldpate	*Lasioglossum cattellae*	10
Baldpate	***Osmia bucephala***	**10**
Baldpate	*Lasioglossum tegulare*	9
Baldpate	*Ceratina mikmaqi*	8
Baldpate	*Sphecodes heraclei*	8
Baldpate	*Bombus perplexus*	7
Baldpate	*Megachile campanulae*	7
Baldpate	*Halictus rubicundus*	6
Baldpate	*Lasioglossum coriaceum*	6
Baldpate	*Bombus citrinus*	5
Baldpate	***Bombus fervidus***	**5**
Baldpate	*Lasioglossum trigeminum*	5
Baldpate	*Heriades carinata*	4
Baldpate	***Lasioglossum abanci***	**4**

Baldpate	*Lasioglossum fuscipenne*	4
Baldpate	***Hoplitis pilosifrons***	**3**
Baldpate	*Hoplitis producta*	3
Baldpate	*Lasioglossum subviridatum*	3
Baldpate	*Osmia pumila*	3
Baldpate	*Andrena rudbeckiae*	2
Baldpate	*Bombus vagans*	2
Baldpate	*Calliopsis andreniformis*	2
Baldpate	*Lasioglossum ellisiae*	2
Baldpate	*Lasioglossum pectorale*	2
Baldpate	*Lithurgus chrysurus*	2
Baldpate	*Megachile petulans*	2
Baldpate	*Megachile rotundata*	2
Baldpate	*Megachile xylocopoides*	2
Baldpate	*Melissodes desponsus*	2
Baldpate	*Melissodes subillatus*	2
Baldpate	*Osmia atriventris*	2
Baldpate	*Agapostemon sericeus*	1
Baldpate	*Anthophora abrupta*	1
Baldpate	*Bombus auricomus*	1
Baldpate	*Coelioxys octodentatus*	1
Baldpate	*Coelioxys sayi*	1
Baldpate	*Hoplitis spoliata*	1
Baldpate	*Lasioglossum callidum*	1
Baldpate	*Lasioglossum coeruleum*	1
Baldpate	*Lasioglossum foxii*	1
Baldpate	*Lasioglossum rozeni*	1
Baldpate	*Megachile frugalis*	1
Baldpate	*Megachile pugnata*	1
Baldpate	*Melissodes denticulatus*	1
BW_2014	***Bombus impatiens***	**65**
BW_2014	***Bombus griseocollis***	**38**
BW_2014	***Ceratina calcarata***	**36**
BW_2014	***Halictus ligatus***	**18**
BW_2014	***Megachile mendica***	**15**
BW_2014	***Bombus bimaculatus***	**14**
BW_2014	***Augochlora pura***	**11**
BW_2014	***Hylaeus mesillae***	**9**
BW_2014	***Lasioglossum pilosum***	**8**
BW_2014	***Xylocopa virginica***	**8**
BW_2014	***Lasioglossum hitchensi_weemsi***	**7**
BW_2014	***Ceratina strenua***	**6**
BW_2014	***Hylaeus affinis_modestus***	**5**
BW_2014	***Lasioglossum trigeminum***	**5**
BW_2014	***Lasioglossum imitatum***	**4**

BW_2014	***Megachile inimica***	**3**
BW_2014	*Agapostemon texanus*	2
BW_2014	*Agapostemon virescens*	2
BW_2014	*Megachile brevis*	2
BW_2014	*Megachile exilis*	2
BW_2014	***Megachile pugnata***	**2**
BW_2014	*Bombus fervidus*	1
BW_2014	*Bombus perplexus*	1
BW_2014	*Coelioxys sayi*	1
BW_2014	*Heriades variolosa*	1
BW_2014	*Lasioglossum leucocomum*	1
BW_2014	*Lasioglossum pectorale*	1
BW_2014	*Lasioglossum platyparium*	1
BW_2014	*Lasioglossum versatum*	1
BW_2014	*Stelis lateralis*	1
cm13	***Bombus griseocollis***	**429**
cm13	***Bombus impatiens***	**340**
cm13	***Lasioglossum vierecki***	**246**
cm13	***Agapostemon virescens***	**173**
cm13	***Lasioglossum leucocomum***	**168**
cm13	***Megachile mendica***	**136**
cm13	***Halictus ligatus_poeyi***	**128**
cm13	***Agapostemon texanus***	**66**
cm13	*Xylocopa virginica*	57
cm13	***Ceratina mikmaqi***	**53**
cm13	***Hoplitis pilosifrons***	**53**
cm13	***Lasioglossum pilosum***	**44**
cm13	***Hylaeus mesillae***	**39**
cm13	*Bombus bimaculatus*	37
cm13	***Halictus confusus***	**36**
cm13	***Augochloropsis metallica***	**31**
cm13	***Lasioglossum tegulare***	**31**
cm13	***Bombus pensylvanicus***	**30**
cm13	***Sphecodes cressonii***	**24**
cm13	***Augochlorella aurata***	**21**
cm13	*Hylaeus affinis_modestus*	21
cm13	***Lasioglossum pectorale***	**21**
cm13	***Ceratina calcarata***	**20**
cm13	*Apis mellifera*	18
cm13	*Coelioxys sayi*	13
cm13	***Coelioxys octodentatus***	**11**
cm13	*Epeolus lectoides*	11
cm13	***Melissodes subillatus***	**11**
cm13	*Megachile brevis*	10
cm13	***Megachile inimica***	**10**

cm13	*Augochlora pura*	9
cm13	***Lasioglossum hitchensi***	**9**
cm13	*Ceratina dupla*	7
cm13	***Colletes simulans***	**6**
cm13	*Megachile exilis*	6
cm13	*Megachile xylocopoides*	5
cm13	*Sphecodes atlantis*	5
cm13	***Nomada vegana***	**4**
cm13	***Andrena atlantica***	**3**
cm13	*Heriades leavitti*	3
cm13	*Megachile texana*	3
cm13	*Agapostemon splendens*	2
cm13	*Ceratina strenua*	2
cm13	*Lasioglossum coreopsis*	2
cm13	*Megachile campanulae*	2
cm13	*Stelis louisae*	2
cm13	*Andrena nasonii*	1
cm13	*Bombus fervidus*	1
cm13	*Eucera hamata*	1
cm13	*Megachile gemula*	1
cm13	*Megachile rotundata*	1
cm13	*Melissodes trinodis*	1
cm13	*Nomada affabilis*	1
cm13	*Nomada australis*	1
cm13	*Sphecodes mandibularis*	1
Cold Soil	***Bombus impatiens***	**607**
Cold Soil	***Halictus ligatus***	**402**
Cold Soil	***Bombus griseocollis***	**191**
Cold Soil	***Lasioglossum imitatum***	**150**
Cold Soil	***Hylaeus affinis_modestus***	**116**
Cold Soil	***Lasioglossum versatum***	**107**
Cold Soil	***Hylaeus mesillae***	**80**
Cold Soil	***Halictus confusus***	**74**
Cold Soil	***Ceratina calcarata***	**67**
Cold Soil	***Xylocopa virginica***	**56**
Cold Soil	***Ceratina strenua***	**55**
Cold Soil	***Lasioglossum oceanicum***	**50**
Cold Soil	***Andrena wilkella***	**41**
Cold Soil	***Bombus bimaculatus***	**41**
Cold Soil	***Ceratina mikmaqi***	**40**
Cold Soil	***Ceratina dupla***	**36**
Cold Soil	***Melissodes denticulatus***	**28**
Cold Soil	***Lasioglossum illinoense***	**25**
Cold Soil	***Augochlora pura***	**22**
Cold Soil	***Lasioglossum hitchensi_weemsi***	**22**

Cold Soil	***Melissodes subillatus***	**19**
Cold Soil	*Augochlorella aurata*	17
Cold Soil	*Megachile sculpturalis*	17
Cold Soil	***Andrena rudbeckiae***	**16**
Cold Soil	*Megachile mendica*	16
Cold Soil	***Halictus rubicundus***	**12**
Cold Soil	***Megachile montivaga***	**12**
Cold Soil	***Augochloropsis metallica***	**11**
Cold Soil	***Agapostemon virescens***	**10**
Cold Soil	***Hoplitis pilosifrons***	**10**
Cold Soil	***Megachile brevis***	**10**
Cold Soil	*Lasioglossum trigeminum*	9
Cold Soil	*Lasioglossum viridatum*	9
Cold Soil	***Megachile frugalis***	**9**
Cold Soil	*Bombus fervidus*	6
Cold Soil	*Heriades carinata*	6
Cold Soil	***Melissodes agilis***	**6**
Cold Soil	*Anthidium manicatum*	5
Cold Soil	*Lasioglossum zephyrum*	5
Cold Soil	***Megachile exilis***	**5**
Cold Soil	*Megachile rotundata*	5
Cold Soil	*Melissodes bimaculatus*	5
Cold Soil	*Sphecodes dichrous*	5
Cold Soil	***Anthidium oblongatum***	**4**
Cold Soil	*Lasioglossum admirandum*	4
Cold Soil	*Lasioglossum bruneri*	4
Cold Soil	*Lasioglossum callidum*	4
Cold Soil	*Anthidiellum notatum*	3
Cold Soil	*Bombus perplexus*	3
Cold Soil	*Lasioglossum coriaceum*	3
Cold Soil	*Megachile pugnata*	3
Cold Soil	***Hylaeus leptocephalus***	**2**
Cold Soil	*Lasioglossum leucozonium*	2
Cold Soil	*Megachile campanulae*	2
Cold Soil	*Bombus vagans*	1
Cold Soil	*Calliopsis andreniformis*	1
Cold Soil	*Coelioxys alternatus*	1
Cold Soil	*Coelioxys germanus*	1
Cold Soil	*Coelioxys hunteri*	1
Cold Soil	*Coelioxys obtusiventris*	1
Cold Soil	*Coelioxys octodentatus*	1
Cold Soil	*Heriades variolosa*	1
Cold Soil	*Hoplitis producta*	1
Cold Soil	*Lasioglossum atwoodi*	1
Cold Soil	*Lasioglossum cressonii*	1

Cold Soil	*Lasioglossum gotham*	1
Cold Soil	*Lasioglossum obscurum*	1
Cold Soil	*Lasioglossum paradmirandum*	1
Cold Soil	*Lasioglossum pilosum*	1
Cold Soil	*Lasioglossum rozeni*	1
Cold Soil	*Lasioglossum smilacinae*	1
Cold Soil	*Lasioglossum tegulare*	1
Cold Soil	*Megachile integra*	1
Cold Soil	*Melissodes desponsus*	1
Cold Soil	*Melissodes trinodis*	1
Cold Soil	*Nomada erigeronis*	1
Cold Soil	*Pseudoanthidium nanum*	1
Cold Soil	*Sphecodes heraclei*	1
Cold Soil	*Stelis lateralis*	1
Cold Soil	*Stelis louisae*	1
Cold Soil	*Triepeolus cressonii*	1
Cold Soil	*Triepeolus eliseae*	1
Cold Soil	*Triepeolus remigatus*	1
Fox Hill	***Halictus ligatus***	**760**
Fox Hill	***Augochlorella persimilis***	**515**
Fox Hill	***Hylaeus affinis_modestus***	**498**
Fox Hill	***Bombus griseocollis***	**265**
Fox Hill	***Ceratina calcarata***	**264**
Fox Hill	***Hylaeus mesillae***	**206**
Fox Hill	***Lasioglossum versatum***	**203**
Fox Hill	***Augochlorella aurata***	**132**
Fox Hill	***Bombus impatiens***	**128**
Fox Hill	***Lasioglossum imitatum***	**89**
Fox Hill	***Bombus bimaculatus***	**51**
Fox Hill	***Agapostemon virescens***	**49**
Fox Hill	*Lasioglossum hitchensi_weemsi*	38
Fox Hill	***Bombus perplexus***	**29**
Fox Hill	*Augochlora pura*	26
Fox Hill	***Ceratina dupla***	**26**
Fox Hill	***Lasioglossum oceanicum***	**25**
Fox Hill	***Ceratina strenua***	**24**
Fox Hill	***Lasioglossum gotham***	**23**
Fox Hill	*Halictus confusus*	17
Fox Hill	*Lasioglossum rozeni*	17
Fox Hill	***Andrena wilkella***	**15**
Fox Hill	***Ceratina mikmaqi***	**15**
Fox Hill	***Hoplitis pilosifrons***	**15**
Fox Hill	*Lasioglossum trigeminum*	15
Fox Hill	*Halictus rubicundus*	9
Fox Hill	*Lasioglossum tegulare*	9

Fox Hill	*Megachile mendica*	9
Fox Hill	***Heriades carinata***	**8**
Fox Hill	*Augochloropsis metallica*	7
Fox Hill	*Lasioglossum admirandum*	7
Fox Hill	*Lasioglossum cressonii*	6
Fox Hill	*Bombus vagans*	5
Fox Hill	*Megachile brevis*	5
Fox Hill	*Nomada pygmaea*	5
Fox Hill	*Andrena nasonii*	4
Fox Hill	*Lasioglossum cattellae*	4
Fox Hill	*Lasioglossum platyparium*	4
Fox Hill	***Osmia bucephala***	**4**
Fox Hill	***Hoplitis producta***	**3**
Fox Hill	*Lasioglossum illinoense*	3
Fox Hill	*Melissodes subillatus*	3
Fox Hill	***Osmia atriventris***	**3**
Fox Hill	*Osmia georgica*	3
Fox Hill	***Osmia pumila***	**3**
Fox Hill	*Xylocopa virginica*	3
Fox Hill	*Andrena pruni*	2
Fox Hill	*Lasioglossum callidum*	2
Fox Hill	*Lasioglossum coriaceum*	2
Fox Hill	*Megachile montivaga*	2
Fox Hill	*Melissodes bimaculatus*	2
Fox Hill	*Nomada maculata*	2
Fox Hill	*Andrena brevipalpis*	1
Fox Hill	*Andrena commoda*	1
Fox Hill	*Andrena imitatrix*	1
Fox Hill	*Anthidium manicatum*	1
Fox Hill	*Heriades variolosa*	1
Fox Hill	*Hoplitis spoliata*	1
Fox Hill	*Lasioglossum abanci*	1
Fox Hill	*Lasioglossum ellisiae*	1
Fox Hill	*Lasioglossum foxii*	1
Fox Hill	*Lasioglossum nigroviride*	1
Fox Hill	*Lasioglossum paradmirandum*	1
Fox Hill	*Lasioglossum smilacinae*	1
Fox Hill	*Lasioglossum zephyrum*	1
Fox Hill	*Megachile campanulae*	1
Fox Hill	*Megachile exilis*	1
Fox Hill	*Megachile sculpturalis*	1
Fox Hill	*Melissodes denticulatus*	1
Fox Hill	*Melissodes desponsus*	1
HP_2011	***Bombus impatiens***	**145**
HP_2011	***Bombus griseocollis***	**24**

HP_2011	***Halictus ligatus***	**24**
HP_2011	***Lasioglossum imitatum***	**23**
HP_2011	***Hylaeus affinis_modestus***	**19**
HP_2011	***Hylaeus mesillae***	**18**
HP_2011	***Ceratina dupla***	**16**
HP_2011	***Ceratina mikmaqi***	**13**
HP_2011	***Ceratina strenua***	**11**
HP_2011	***Lasioglossum hitchensi_weemsi***	**9**
HP_2011	***Agapostemon virescens***	**7**
HP_2011	***Ceratina calcarata***	**7**
HP_2011	***Andrena brevipalpis***	**6**
HP_2011	*Lasioglossum versatum*	5
HP_2011	***Xylocopa virginica***	**5**
HP_2011	*Augochlorella aurata*	4
HP_2011	*Lasioglossum pectorale*	4
HP_2011	*Melissodes bimaculatus*	2
HP_2011	*Andrena hirticincta*	1
HP_2011	*Andrena nasonii*	1
HP_2011	*Andrena simplex*	1
HP_2011	*Anthidium manicatum*	1
HP_2011	*Augochlora pura*	1
HP_2011	*Colletes compactus*	1
HP_2011	*Colletes simulans*	1
HP_2011	*Hoplitis pilosifrons*	1
HP_2011	*Lasioglossum obscurum*	1
HP_2011	*Lasioglossum trigeminum*	1
HP_2011	*Pseudopanurgus andrenoides*	1
IAS	***Halictus ligatus***	**689**
IAS	***Hylaeus affinis_modestus***	**520**
IAS	***Bombus griseocollis***	**284**
IAS	***Bombus impatiens***	**277**
IAS	***Ceratina calcarata***	**216**
IAS	***Bombus bimaculatus***	**211**
IAS	***Hylaeus mesillae***	**191**
IAS	***Agapostemon virescens***	**135**
IAS	***Lasioglossum versatum***	**88**
IAS	***Lasioglossum oceanicum***	**46**
IAS	***Lasioglossum imitatum***	**44**
IAS	***Augochlorella aurata***	**43**
IAS	***Lasioglossum callidum***	**42**
IAS	***Andrena wilkella***	**38**
IAS	***Halictus confusus***	**32**
IAS	***Ceratina strenua***	**28**
IAS	*Xylocopa virginica*	23
IAS	*Megachile mendica*	15

IAS	*Hoplitis pilosifrons*	14
IAS	***Lasioglossum illinoense***	**14**
IAS	***Megachile exilis***	**13**
IAS	***Halictus rubicundus***	**11**
IAS	*Lasioglossum hitchensi_weemsi*	11
IAS	*Megachile sculpturalis*	11
IAS	***Heriades carinata***	**10**
IAS	*Lasioglossum gotham*	10
IAS	*Augochloropsis metallica*	9
IAS	*Ceratina dupla*	9
IAS	*Ceratina mikmaqi*	9
IAS	*Heriades variolosa*	8
IAS	***Megachile frugalis***	**8**
IAS	*Augochlora pura*	7
IAS	***Megachile campanulae***	**7**
IAS	*Megachile rotundata*	7
IAS	*Nomada pygmaea*	7
IAS	*Agapostemon sericeus*	6
IAS	*Bombus fervidus*	6
IAS	***Lasioglossum rozeni***	**6**
IAS	*Nomada bidentate_group*	6
IAS	*Anthidium oblongatum*	5
IAS	*Heriades leavitti*	5
IAS	*Lasioglossum trigeminum*	5
IAS	*Melissodes subillatus*	5
IAS	*Melissodes trinodis*	5
IAS	*Andrena nasonii*	4
IAS	*Halictus parallelus*	4
IAS	*Megachile inimica*	4
IAS	*Osmia bucephala*	4
IAS	*Sphecodes heraclei*	4
IAS	*Andrena carlini*	3
IAS	*Anthophora terminalis*	3
IAS	*Lasioglossum cattellae*	3
IAS	*Osmia distincta*	3
IAS	*Sphecodes dichrous*	3
IAS	*Lasioglossum admirandum*	2
IAS	*Lasioglossum tegulare*	2
IAS	*Lasioglossum zephyrum*	2
IAS	*Megachile montivaga*	2
IAS	*Nomada articulata*	2
IAS	*Osmia pumila*	2
IAS	*Andrena cressonii*	1
IAS	*Andrena spiraeana*	1
IAS	*Andrena vicina*	1

IAS	*Anthidiellum notatum*	1
IAS	*Anthidium manicatum*	1
IAS	*Coelioxys porterae*	1
IAS	*Coelioxys sayi*	1
IAS	*Hylaeus fedorica*	1
IAS	*Hylaeus leptocephalus*	1
IAS	*Lasioglossum coreopsis*	1
IAS	*Lasioglossum cressonii*	1
IAS	*Lasioglossum ephialtum*	1
IAS	*Lasioglossum oblongum*	1
IAS	*Lasioglossum oenotherae*	1
IAS	*Lasioglossum paradmirandum*	1
IAS	*Lasioglossum pectorale*	1
IAS	*Lasioglossum smilacinae*	1
IAS	*Lasioglossum subviridatum*	1
IAS	*Megachile brevis*	1
IAS	*Megachile georgica*	1
IAS	*Megachile pugnata*	1
IAS	*Melissodes agilis*	1
IAS	*Melissodes denticulatus*	1
IAS	*Nomada lehighensis*	1
IAS	*Ptilothrix bombiformis*	1
IAS	*Sphecodes atlantis*	1
Lord Stirling	***Bombus impatiens***	**340**
Lord Stirling	***Ceratina calcarata***	**253**
Lord Stirling	***Halictus ligatus***	**215**
Lord Stirling	***Bombus griseocollis***	**201**
Lord Stirling	***Bombus bimaculatus***	**152**
Lord Stirling	***Lasioglossum versatum***	**125**
Lord Stirling	***Hylaeus affinis_modestus***	**81**
Lord Stirling	***Hylaeus mesillae***	**74**
Lord Stirling	***Lasioglossum imitatum***	**74**
Lord Stirling	***Augochlorella aurata***	**65**
Lord Stirling	***Ceratina strenua***	**54**
Lord Stirling	***Lasioglossum paradmirandum***	**44**
Lord Stirling	***Lasioglossum hitchensi_weemsi***	**41**
Lord Stirling	***Melissodes denticulatus***	**36**
Lord Stirling	***Augochlora pura***	**34**
Lord Stirling	***Xylocopa virginica***	**34**
Lord Stirling	***Agapostemon virescens***	**21**
Lord Stirling	***Ceratina dupla***	**21**
Lord Stirling	***Ceratina mikmaqi***	**18**
Lord Stirling	*Halictus confusus*	17
Lord Stirling	***Osmia pumila***	**12**
Lord Stirling	*Bombus perplexus*	8

Lord Stirling	*Lasioglossum gotham*	8
Lord Stirling	*Megachile sculpturalis*	8
Lord Stirling	*Lasioglossum anomalum*	7
Lord Stirling	***Megachile frugalis***	**7**
Lord Stirling	*Augochloropsis metallica*	6
Lord Stirling	*Bombus vagans*	6
Lord Stirling	***Andrena wilkella***	**5**
Lord Stirling	*Halictus rubicundus*	5
Lord Stirling	*Lasioglossum obscurum*	5
Lord Stirling	*Megachile mendica*	5
Lord Stirling	***Anthidium oblongatum***	**4**
Lord Stirling	*Lasioglossum trigeminum*	4
Lord Stirling	*Osmia atriventris*	4
Lord Stirling	*Coelioxys sayi*	3
Lord Stirling	*Heriades carinata*	3
Lord Stirling	*Lasioglossum tegulare*	3
Lord Stirling	*Megachile montivaga*	3
Lord Stirling	*Agapostemon sericeus*	2
Lord Stirling	*Lasioglossum atwoodi*	2
Lord Stirling	*Lasioglossum cressonii*	2
Lord Stirling	*Lasioglossum oblongum*	2
Lord Stirling	*Megachile campanulae*	2
Lord Stirling	*Megachile exilis*	2
Lord Stirling	*Melissodes subillatus*	2
Lord Stirling	*Nomada pygmaea*	2
Lord Stirling	*Anthidium manicatum*	1
Lord Stirling	*Anthophora terminalis*	1
Lord Stirling	*Coelioxys modestus*	1
Lord Stirling	*Hoplitis pilosifrons*	1
Lord Stirling	*Lasioglossum coeruleum*	1
Lord Stirling	*Lasioglossum coriaceum*	1
Lord Stirling	*Lasioglossum illinoense*	1
Lord Stirling	*Lasioglossum nigroviride*	1
Lord Stirling	*Lasioglossum oceanicum*	1
Lord Stirling	*Lasioglossum platyparium*	1
Lord Stirling	*Lithurgus chrysurus*	1
Lord Stirling	*Megachile rotundata*	1
Lord Stirling	*Melissodes desponsus*	1
Lord Stirling	*Osmia albiventris*	1
Lord Stirling	*Osmia distincta*	1
Lord Stirling	*sand wasp_sp*	1
Lord Stirling	*Stelis louisae*	1
MU_2013	***Bombus impatiens***	**151**
MU_2013	***Ceratina calcarata***	**34**
MU_2013	***Halictus ligatus***	**26**

MU_2013	***Ceratina strenua***	**22**
MU_2013	***Andrena fragilis***	**20**
MU_2013	***Hylaeus affinis_modestus***	**14**
MU_2013	***Augochlora pura***	**13**
MU_2013	***Bombus bimaculatus***	**10**
MU_2013	***Lasioglossum oceanicum***	**10**
MU_2013	***Xylocopa virginica***	**10**
MU_2013	***Lasioglossum gotham***	**6**
MU_2013	***Bombus griseocollis***	**5**
MU_2013	***Andrena cressonii***	**4**
MU_2013	*Megachile mendica*	4
MU_2013	*Augochlorella aurata*	3
MU_2013	*Andrena vicina*	2
MU_2013	*Bombus fervidus*	2
MU_2013	*Halictus rubicundus*	2
MU_2013	*Hylaeus mesillae*	2
MU_2013	*Agapostemon virescens*	1
MU_2013	*Andrena alleghaniensis*	1
MU_2013	*Andrena nasonii*	1
MU_2013	*Andrena nivalis*	1
MU_2013	*Andrena nuda*	1
MU_2013	*Andrena platyparia*	1
MU_2013	*Andrena robertsonii*	1
MU_2013	*Anthidium manicatum*	1
MU_2013	*Augochloropsis metallica*	1
MU_2013	*Ceratina dupla*	1
MU_2013	*Ceratina mikmaqi*	1
MU_2013	*Hylaeus modestus*	1
MU_2013	*Lasioglossum hitchensi_weemsi*	1
MU_2013	*Lasioglossum imitatum*	1
MU_2013	*Lasioglossum obscurum*	1
MU_2013	*Lasioglossum trigeminum*	1
MU_2013	*Lasioglossum versatum*	1
MU_2013	*Lasioglossum viridatum*	1
RO_2014	***Halictus ligatus***	**74**
RO_2014	***Bombus impatiens***	**65**
RO_2014	***Augochlorella aurata***	**17**
RO_2014	***Lithurgus chrysurus***	**17**
RO_2014	***Augochlora pura***	**10**
RO_2014	***Lasioglossum versatum***	**10**
RO_2014	***Augochlorella persimilis***	**8**
RO_2014	***Bombus vagans***	**5**
RO_2014	***Ceratina calcarata***	**5**
RO_2014	***Bombus griseocollis***	**4**
RO_2014	*Agapostemon virescens*	1

RO_2014	*Bombus bimaculatus*	1
RO_2014	*Bombus fervidus*	1
RO_2014	*Bombus perplexus*	1
RO_2014	*Ceratina strenua*	1
RO_2014	*Halictus confusus*	1
RO_2014	*Megachile brevis*	1
RO_2014	*Megachile mendica*	1
RO_2014	*Megachile rotundata*	1
RO_2014	*Melissodes agilis*	1
RO_2014	*Osmia georgica*	1
RO_2014	*Xylocopa virginica*	1
URWA	***Ceratina calcarata***	**256**
URWA	***Hylaeus affinis_modestus***	**240**
URWA	***Hylaeus mesillae***	**149**
URWA	***Lasioglossum versatum***	**127**
URWA	***Halictus ligatus***	**125**
URWA	***Bombus griseocollis***	**102**
URWA	***Bombus impatiens***	**98**
URWA	***Bombus bimaculatus***	**62**
URWA	***Augochlorella aurata***	**36**
URWA	***Andrena wilkella***	**32**
URWA	***Lasioglossum gotham***	**32**
URWA	*Ceratina strenua*	29
URWA	*Ceratina dupla*	26
URWA	***Ceratina mikmaqi***	**25**
URWA	***Anthidium oblongatum***	**16**
URWA	*Augochlora pura*	16
URWA	***Halictus confusus***	**14**
URWA	*Lasioglossum hitchensi_weemsi*	14
URWA	***Andrena cressonii***	**13**
URWA	*Megachile sculpturalis*	9
URWA	*Bombus perplexus*	8
URWA	*Osmia pumila*	6
URWA	*Andrena imitatrix*	4
URWA	*Andrena robertsonii*	4
URWA	*Halictus rubicundus*	4
URWA	*Lasioglossum atwoodi*	4
URWA	*Megachile gemula*	4
URWA	*Megachile mendica*	4
URWA	*Andrena nasonii*	3
URWA	*Andrena vicina*	3
URWA	***Anthophora abrupta***	**3**
URWA	*Lasioglossum viridatum*	3
URWA	*Megachile brevis*	3
URWA	*Megachile frugalis*	3

URWA	*Osmia distincta*	3
URWA	*Xylocopa virginica*	3
URWA	*Andrena pruni*	2
URWA	*Augochloropsis metallica*	2
URWA	*Bombus vagans*	2
URWA	*Hoplitis pilosifrons*	2
URWA	*Lasioglossum admirandum*	2
URWA	*Lasioglossum foxii*	2
URWA	*Lasioglossum tegulare*	2
URWA	*Osmia bucephala*	2
URWA	*Agapostemon sericeus*	1
URWA	*Agapostemon virescens*	1
URWA	*Andrena hippotes*	1
URWA	*Andrena nuda*	1
URWA	*Andrena wilmattae*	1
URWA	*Anthidiellum notatum*	1
URWA	*Anthophora terminalis*	1
URWA	*Heriades carinata*	1
URWA	*Hoplitis producta*	1
URWA	*Hoplitis spoliata*	1
URWA	*Hylaeus leptocephalus*	1
URWA	*Lasioglossum birkmanni*	1
URWA	*Lasioglossum callidum*	1
URWA	*Lasioglossum oblongum*	1
URWA	*Lasioglossum obscurum*	1
URWA	*Lasioglossum oceanicum*	1
URWA	*Lasioglossum smilacinae*	1
URWA	*Lasioglossum trigeminum*	1
URWA	*Lithurgus chrysurus*	1
URWA	*Megachile melanophaea*	1
URWA	*Megachile montivaga*	1
URWA	*Megachile rotundata*	1
URWA	*Melissodes subillatus*	1
URWA	*Nomada articulata*	1
URWA	*Nomada bidentate_group*	1
URWA	*Osmia albiventris*	1
URWA	*Osmia georgica*	1