

1 **Supplementary information**

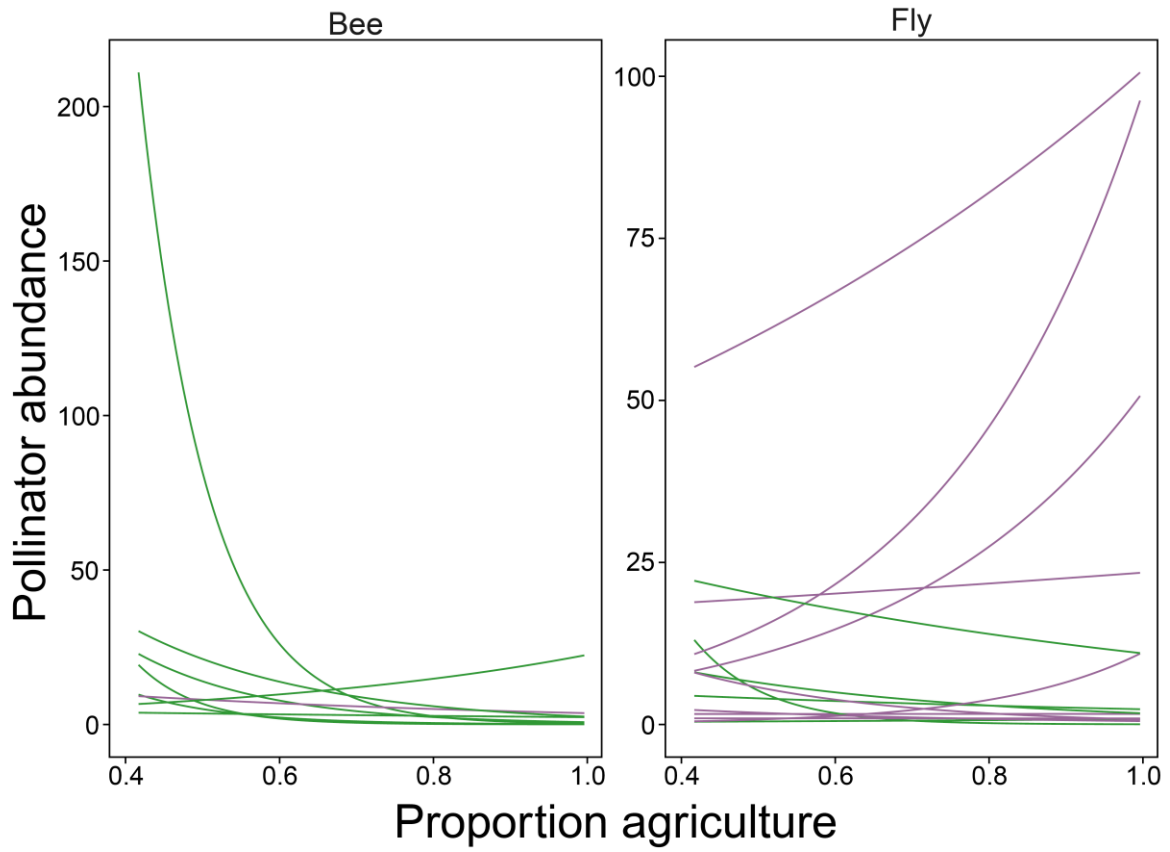
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3 **Table S1**

4 List of species that were included in functional redundancy and response diversity analyses. 'Total collected' is the total  
5 number of individuals collected per species across all sites. 'No. sites present' is the total number of sites that each species  
6 was present at.

<b>Species</b>	<b>Order</b>	<b>Family</b>	<b>Exotic/Native</b>	<b>Functional group</b>	<b>Total collected</b>	<b>No. sites present</b>
<i>Anthomyia punctipennis</i>	Diptera	Anthomyiidae	Exotic	4	84	6
<i>Bombus terrestris</i>	Hymenoptera	Apidae	Exotic	5	66	8
<i>Calliphora stygia</i>	Diptera	Calliphoridae	Exotic	1	14	7
<i>Campylia</i> sp	Diptera	Tachininae	Native	2	17	4
<i>Delia platura</i>	Diptera	Anthomyiidae	Exotic	4	736	12
<i>Delia</i> sp	Diptera	Anthomyiidae	Exotic	4	434	12
<i>Eristalis tenax</i>	Diptera	Syrphidae	Exotic	1	1,010	12
<i>Helophilus hochstetteri</i>	Diptera	Syrphidae	Native	1	31	10
<i>Hydrotaea rostrata</i>	Diptera	Muscidae	Exotic	2	15	5
<i>Inopus rubriceps</i>	Diptera	Stratiomyidae	Exotic	4	18	6
<i>Lasioglossum cognatum</i>	Hymenoptera	Halictidae	Native	6	236	10
<i>Lasioglossum sordidum</i>	Hymenoptera	Halictidae	Native	6	99	9

<i>Leioproctus boltoni</i>	Hymenoptera	Colletidae	Native	3	73	5
<i>Leioproctus huakiwi</i>	Hymenoptera	Colletidae	Native	3	17	4
<i>Leioproctus imitatus</i>	Hymenoptera	Colletidae	Native	3	90	7
<i>Leioproctus kanapuu</i>	Hymenoptera	Colletidae	Native	3	22	6
<i>Leioproctus paahaumaa</i>	Hymenoptera	Colletidae	Native	3	124	7
<i>Melangyna novaezelandiae</i>	Diptera	Syrphidae	Native	2	46	10
<i>Melanostoma fasciatum</i>	Diptera	Syrphidae	Native	4	213	12
<i>Odontomyia</i> sp	Diptera	Stratiomyidae	Native	1	19	3
<i>Oxysarcodexia varia</i>	Diptera	Sarcophagidae	Exotic	2	271	11
<i>Spilagona melas</i>	Diptera	Muscidae	Exotic	2	18	4



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**Figure S1.** The relationship between pollinator abundance and the proportion of  
 10 agriculture, comparing bees vs flies and native vs exotic species; purple lines are  
 11 exotic species and green lines are native species.