

Supplementary Table S1. Bee specimen records evaluated from the Global Biodiversity Information Facility (<http://gbif.org>) and their respective DOIs across species-specific data downloads.

Species	DOI
<i>Apis mellifera</i>	https://doi.org/10.15468/dl.tqfxlt
<i>Ceratina arizonensis</i>	https://doi.org/10.15468/dl.yk7ttv
<i>Ceratina dentipes</i>	https://doi.org/10.15468/dl.pcida6
<i>Ceratina smaragdula</i>	https://doi.org/10.15468/dl.plwhz0
<i>Hylaeus albonitens</i>	https://doi.org/10.15468/dl.3l2lg5
<i>Hylaeus leptcephalus</i>	https://doi.org/10.15468/dl.j94onx
<i>Hylaeus strenuus</i>	https://doi.org/10.15468/dl.nwqqf1
<i>Lasioglossum impavidum</i>	https://doi.org/10.15468/dl.dbnlm5
<i>Lasioglossum microlepoides</i>	https://doi.org/10.15468/dl.d2nnu8
<i>Lasioglossum puteulanum</i>	https://doi.org/10.15468/dl.lcirmt
<i>Lithurgus scabrosus</i>	https://doi.org/10.15468/dl.6mzy2w
<i>Megachile chlorura</i>	https://doi.org/10.15468/dl.62huck
<i>Megachile diligens</i>	https://doi.org/10.15468/dl.x3u6uh
<i>Megachile fullawayi</i>	https://doi.org/10.15468/dl.8geeyr
<i>Megachile gentilis</i>	https://doi.org/10.15468/dl.kr6itq
<i>Megachile lantana</i>	https://doi.org/10.15468/dl.knz6hf
<i>Megachile polcaris</i>	https://doi.org/10.15468/dl.ebxepw
<i>Megachile timberlakei</i>	https://doi.org/10.15468/dl.ed7jha
<i>Megachile umbripennis</i>	https://doi.org/10.15468/dl.v3ld4z
<i>Xylocopa sonorina</i>	https://doi.org/10.15468/dl.nnr2q5

Supplementary Table S2. Bee specimen records evaluated from the American Museum of Natural History to determine their capacity for informing SDMs across their (a) native and (b) non-native Hawai'i distribution. Not all records could be used as they did not provide publicly available georeferenced data on the website.

(a) Native records.

ID	Species	Institution
1	<i>Ceratina dentipes</i>	American Museum of Natural History, Bee specimen record database. https://www.discoverlife.org/mp/20l?id=AMNH_BEES108761
2		American Museum of Natural History, Bee specimen record database. https://www.discoverlife.org/mp/20l?id=AMNH_BEES108731
3		American Museum of Natural History, Bee specimen record database. https://www.discoverlife.org/mp/20l?id=AMNH_BEES108727
4		American Museum of Natural History, Bee specimen record database. https://www.discoverlife.org/mp/20l?id=AMNH_BEES108738
5		American Museum of Natural History, Bee specimen record database. https://www.discoverlife.org/mp/20l?id=AMNH_BEES108737

6 American Museum of Natural History, Bee specimen record database.
https://www.discoverlife.org/mp/20l?id=AMNH_BEES108792

7 American Museum of Natural History, Bee specimen record database.
https://www.discoverlife.org/mp/20l?id=AMNH_BEES108794

8 American Museum of Natural History, Bee specimen record database.
https://www.discoverlife.org/mp/20l?id=AMNH_BEES108795

9 American Museum of Natural History, Bee specimen record database.
https://www.discoverlife.org/mp/20l?id=AMNH_BEES108791

10 American Museum of Natural History, Bee specimen record database.
https://www.discoverlife.org/mp/20l?id=AMNH_BEES108730

11 American Museum of Natural History, Bee specimen record database.
https://www.discoverlife.org/mp/20l?id=AMNH_BEES108729

12 American Museum of Natural History, Bee specimen record database.
https://www.discoverlife.org/mp/20l?id=AMNH_BEES108790

13 American Museum of Natural History, Bee specimen record database.
https://www.discoverlife.org/mp/20l?id=AMNH_BEES108787

14 American Museum of Natural History, Bee specimen record database.
https://www.discoverlife.org/mp/20l?id=AMNH_BEES108789

15 American Museum of Natural History, Bee specimen record database.
https://www.discoverlife.org/mp/20l?id=AMNH_BEES108796

16 American Museum of Natural History, Bee specimen record database.
https://www.discoverlife.org/mp/20l?id=AMNH_BEES108793

17 American Museum of Natural History, Bee specimen record database.
https://www.discoverlife.org/mp/20l?id=AMNH_BEES108806

18 American Museum of Natural History, Bee specimen record database.
https://www.discoverlife.org/mp/20l?id=AMNH_BEES108797

19 American Museum of Natural History, Bee specimen record database.
https://www.discoverlife.org/mp/20l?id=AMNH_BEES108798

20 American Museum of Natural History, Bee specimen record database.
https://www.discoverlife.org/mp/20l?id=AMNH_BEES108772

21 American Museum of Natural History, Bee specimen record database.
https://www.discoverlife.org/mp/20l?id=AMNH_BEES108769

22 American Museum of Natural History, Bee specimen record database.
https://www.discoverlife.org/mp/20l?id=AMNH_BEES108771

23 American Museum of Natural History, Bee specimen record database.
https://www.discoverlife.org/mp/20l?id=AMNH_BEES108767

24 iNaturalist.org: iNaturalist research-grade observations
<https://www.discoverlife.org/mp/20l?id=INAT32613351>

25 American Museum of Natural History, Bee specimen record database.
https://www.discoverlife.org/mp/20l?id=AMNH_BEES108768

26 American Museum of Natural History, Bee specimen record database.
https://www.discoverlife.org/mp/20l?id=AMNH_BEES108742

27 American Museum of Natural History, Bee specimen record database.
https://www.discoverlife.org/mp/20l?id=AMNH_BEES108750

28 American Museum of Natural History, Bee specimen record database.
https://www.discoverlife.org/mp/20l?id=AMNH_BEES108743

29	American Museum of Natural History, Bee specimen record database. https://www.discoverlife.org/mp/20l?id=AMNH_BEES108745
30	York University CCDB-01563 G10 https://www.discoverlife.org/mp/20l?id=BOLD_BOWGF367_09
31	American Museum of Natural History, Bee specimen record database. https://www.discoverlife.org/mp/20l?id=AMNH_BEES108765
32	American Museum of Natural History, Bee specimen record database. https://www.discoverlife.org/mp/20l?id=AMNH_BEES108740
33	American Museum of Natural History, Bee specimen record database. https://www.discoverlife.org/mp/20l?id=AMNH_BEES108756
34	American Museum of Natural History, Bee specimen record database. https://www.discoverlife.org/mp/20l?id=AMNH_BEES108759
35	American Museum of Natural History, Bee specimen record database. https://www.discoverlife.org/mp/20l?id=AMNH_BEES108753
36	American Museum of Natural History, Bee specimen record database. https://www.discoverlife.org/mp/20l?id=AMNH_BEES108754
37	American Museum of Natural History, Bee specimen record database. https://www.discoverlife.org/mp/20l?id=AMNH_BEES108760
38	American Museum of Natural History, Bee specimen record database. https://www.discoverlife.org/mp/20l?id=AMNH_BEES108757
39	<i>Ceratina</i> American Museum of Natural History, Bee specimen record database. https://www.discoverlife.org/mp/20l?id=AMNH_BEE00031688
40	<i>smaragdula</i> American Museum of Natural History, Bee specimen record database. https://www.discoverlife.org/mp/20l?id=AMNH_BEES109701 American Museum of Natural History, Bee specimen record database. https://www.discoverlife.org/mp/20l?id=AMNH_BEE00031686 USDA-ARS Bee Biology and Systematics Laboratory: Bee Biology and Systematics Laboratory https://www.discoverlife.org/mp/20l?id=BBSL347461 USDA-ARS Bee Biology and Systematics Laboratory: Bee Biology and Systematics Laboratory https://www.discoverlife.org/mp/20l?id=BBSL347612 American Museum of Natural History, Bee specimen record database https://www.discoverlife.org/mp/20l?id=AMNH_BEES109704 American Museum of Natural History, Bee specimen record database https://www.discoverlife.org/mp/20l?id=AMNH_BEES109770 American Museum of Natural History, Bee specimen record database https://www.discoverlife.org/mp/20l?id=AMNH_BEES109769 American Museum of Natural History, Bee specimen record database https://www.discoverlife.org/mp/20l?id=AMNH_BEES109772 American Museum of Natural History, Bee specimen record database https://www.discoverlife.org/mp/20l?id=AMNH_BEES109765 American Museum of Natural History, Bee specimen record database https://www.discoverlife.org/mp/20l?id=AMNH_BEE00031722 American Museum of Natural History, Bee specimen record database https://www.discoverlife.org/mp/20l?id=AMNH_BEES109764

American Museum of Natural History, Bee specimen record database
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iNaturalist.org: iNaturalist research-grade observations
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York University
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Lasioglossum
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USDA-ARS Bee Biology and Systematics Laboratory: Bee Biology and Systematics Laboratory

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*Lasioglossum
microlepoides*

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USGS. Sam Droege

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iNaturalist.org: iNaturalist research-grade observations
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University of California Riverside Entomology Museum database
<https://www.discoverlife.org/mp/20l?id=UCREM510>
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American Museum of Natural History. Bee Specimen Record database.

https://www.discoverlife.org/mp/20l?id=AMNH_BEE00119939

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USDA-ARS Bee Biology and Systematics Laboratory: Bee Biology and Systematics Laboratory

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USGS. Sam Droege

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USGS. Sam Droege

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American Museum of Natural History. Bee Specimen Record database.
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 USDA-ARS Bee Biology and Systematics Laboratory: Bee Biology and Systematics Laboratory
<https://www.discoverlife.org/mp/20l?id=BBSL750569>
 Kansas Natural History Museum Snow Entomology Collection database. <https://www.discoverlife.org/mp/20l?id=KSEM313640>
 Kansas Natural History Museum Snow Entomology Collection database. <https://www.discoverlife.org/mp/20l?id=KSEM313645>

*Lasioglossum
puteulanum*

USGS. Sam Droege
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American Museum of Natural History, Bee Specimen Record
database
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American Museum of Natural History, Bee Specimen Record database
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 USGS. Sam Droege
https://www.discoverlife.org/mp/20l?id=USGS_DRO456115
 USGS. Sam Droege
https://www.discoverlife.org/mp/20l?id=USGS_DRO344954
 USGS. Sam Droege
https://www.discoverlife.org/mp/20l?id=USGS_DRO121910
 American Museum of Natural History, Bee Specimen Record database
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 American Museum of Natural History, Bee Specimen Record database
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 American Museum of Natural History, Bee Specimen Record database
https://www.discoverlife.org/mp/20l?id=AMNH_BEE00076614

*Megachile
umbripennis*

American Museum of Natural History, Bee Specimen Record database
https://www.discoverlife.org/mp/20l?id=AMNH_BEE00251347
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https://www.discoverlife.org/mp/20l?id=USGS_DRO375353
 American Museum of Natural History, Bee Specimen Record database
https://www.discoverlife.org/mp/20l?id=AMNH_BEES105501
 American Museum of Natural History, Bee Specimen Record database
https://www.discoverlife.org/mp/20l?id=AMNH_BEES105502
 American Museum of Natural History, Bee Specimen Record database
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American Museum of Natural History, Bee Specimen Record database
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American Museum of Natural History, Bee Specimen Record database
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American Museum of Natural History, Bee Specimen Record database
https://www.discoverlife.org/mp/20l?id=AMNH_BEES105532
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https://www.discoverlife.org/mp/20l?id=AMNH_BEES105532
USDA-ARS Bee Biology and Systematics Laboratory: Bee Biology and Systematics Laboratory
<https://www.discoverlife.org/mp/20l?id=BBSL746023>
iNaturalist.org: iNaturalist research-grade observations
<https://www.discoverlife.org/mp/20l?id=INAT34159126>
iNaturalist.org: iNaturalist research-grade observations
<https://www.discoverlife.org/mp/20l?id=INAT34622353>
iNaturalist.org: iNaturalist research-grade observations
<https://www.discoverlife.org/mp/20l?id=INAT12373299>
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<https://www.discoverlife.org/mp/20l?id=INAT16860468>
iNaturalist.org: iNaturalist research-grade observations
<https://www.discoverlife.org/mp/20l?id=INAT19688947>
American Museum of Natural History, Bee Specimen Record database
https://www.discoverlife.org/mp/20l?id=AMNH_BEES105526
American Museum of Natural History, Bee Specimen Record database
https://www.discoverlife.org/mp/20l?id=AMNH_BEES105531
American Museum of Natural History, Bee Specimen Record database
https://www.discoverlife.org/mp/20l?id=AMNH_BEES105511
American Museum of Natural History, Bee Specimen Record database
https://www.discoverlife.org/mp/20l?id=AMNH_BEES105509

American Museum of Natural History, Bee Specimen Record database
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 American Museum of Natural History, Bee Specimen Record database
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https://www.discoverlife.org/mp/20l?id=AMNH_BEES105513
 American Museum of Natural History, Bee Specimen Record database
https://www.discoverlife.org/mp/20l?id=AMNH_BEE00010198
 American Museum of Natural History, Bee Specimen Record database
https://www.discoverlife.org/mp/20l?id=AMNH_BEE00010199
 iNaturalist.org: iNaturalist research-grade observations
<https://www.discoverlife.org/mp/20l?id=INAT12476358>
 USDA-ARS Bee Biology and Systematics Laboratory: Bee Biology and Systematics Laboratory
<https://www.discoverlife.org/mp/20l?id=BBSL743787>

<i>Xylocopa sonorina</i>	iNaturalist.org: iNaturalist research-grade observations https://www.discoverlife.org/mp/20l?id=INAT29692584
	University of California, Riverside, Entomology Research Museum database https://www.discoverlife.org/mp/20l?id=UCRC_ENT60071
	American Museum of Natural History, Bee Specimen Record database https://www.discoverlife.org/mp/20l?id=AMNH_BEES23931
	University of California, Riverside, Entomology Research Museum database https://www.discoverlife.org/mp/20l?id=UCRC_ENT144059
	University of California, Riverside, Entomology Research Museum database https://www.discoverlife.org/mp/20l?id=UCRC_ENT42827
	University of California, Riverside, Entomology Research Museum database https://www.discoverlife.org/mp/20l?id=UCRC_ENT331342

(b) Non-native (Hawai‘i) records.

ID	Species	Institution
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1	<i>Ceratina dentipes</i>	iNaturalist.org: iNaturalist research-grade observations https://www.discoverlife.org/mp/20l?id=INAT4449583
2	<i>Ceratina smaragdula</i>	iNaturalist.org: iNaturalist research-grade observations https://www.discoverlife.org/mp/20l?id=INAT17525366
3		USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO395295
4		USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO296883
5		USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO296801
6		USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO297058
7		iNaturalist.org: iNaturalist research-grade observations https://www.discoverlife.org/mp/20l?id=INAT18875352
8		USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO299800
9		USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO297262
10		iNaturalist.org: iNaturalist research-grade observations https://www.discoverlife.org/mp/20l?id=INAT14505178
11		USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO373639
12		USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO373652
13		USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO375096
14		USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO376362
15		USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO375005
16		USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO376308
17		USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO374902
18		USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO374902
19		USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO333603
20		USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO374964 USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO374158 iNaturalist.org: iNaturalist research-grade observations https://www.discoverlife.org/mp/20l?id=INAT18533202 iNaturalist.org: iNaturalist research-grade observations https://www.discoverlife.org/mp/20l?id=INAT5052542

	iNaturalist.org: iNaturalist research-grade observations https://www.discoverlife.org/mp/20l?id=INAT28843815
<i>Lasioglossum impavidum</i>	USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO374087 USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO333606 USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO374961 USGS. Sam Droege iNaturalist.org: iNaturalist research-grade observations https://www.discoverlife.org/mp/20l?id=INAT17437721
<i>Lasioglossum microlepoides</i>	USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO296796 USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO296855 USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO297052 USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO301521 USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO301641 USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO296895 USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO300004 USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO297264 USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO300195 USGS. Sam Droege https://www.discoverlife.org/mp/20l?id=USGS_DRO299974
<i>Lasioglossum puteulanum</i>	None
<i>Megachile umbripennis</i>	iNaturalist.org: iNaturalist research-grade observations https://www.discoverlife.org/mp/20l?id=INAT17499827 University of California Riverside Entomology Research Museum database https://www.discoverlife.org/mp/20l?id=UCRC_ENT231547 iNaturalist.org: iNaturalist research-grade observations https://www.discoverlife.org/mp/20l?id=INAT18512497 USDA-ARS Bee Biology and Systematics Laboratory: Bee Biology and Systematics Laboratory https://www.discoverlife.org/mp/20l?id=BBSL743780 USDA-ARS Bee Biology and Systematics Laboratory: Bee Biology and Systematics Laboratory https://www.discoverlife.org/mp/20l?id=BBSL743783

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 iNaturalist.org: iNaturalist research-grade observations
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 University of Connecticut Insect Collection database
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 University of Connecticut Insect Collection database
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 University of California Riverside Entomology Resaerch Museum database
https://www.discoverlife.org/mp/20l?id=UCRC_ENT231561

*Xylocopa
sonorina*

iNaturalist.org: iNaturalist research-grade observations
<https://www.discoverlife.org/mp/20l?id=INAT20986503>
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<https://www.discoverlife.org/mp/20l?id=INAT32998580>
 iNaturalist.org: iNaturalist research-grade observations
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iNaturalist.org: iNaturalist research-grade observations
<https://www.discoverlife.org/mp/20l?id=INAT655652>
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American Museum of Natural History, Bee Specimen Record
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<https://www.discoverlife.org/mp/20l?id=INAT35157196>

iNaturalist.org: iNaturalist research-grade observations

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iNaturalist.org: iNaturalist research-grade observations

<https://www.discoverlife.org/mp/20l?id=INAT18147742>

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USDA-ARS Bee Biology and Systematics Laboratory: Bee Biology
and Systematics Laboratory

<https://www.discoverlife.org/mp/20l?id=BBSL802531>

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iNaturalist.org: iNaturalist research-grade observations

<https://www.discoverlife.org/mp/20l?id=INAT4245327>

iNaturalist.org: iNaturalist research-grade observations

<https://www.discoverlife.org/mp/20l?id=INAT552487>
