BR-code: Vertebrates

"A dynamic resource for profiling environmental DNA reference database accuracy and completeness"

Authors

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Abstract

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Over 75% percent of the world's food crops are dependent on pollinators to at least some de

How to cite this:

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# this dynamic document directly: J. Reilly, A. Allen-Perkins, R. Winfree, I. Bartomeus. r su
#
# Or the original paper: TBA
```

Download in PDF:

https://github.com/ThomasLuypaert/BarcodeBrazil/Report_BarcodeBrazil.pdf

Source code:

You can find the source code, as well as previous releases of this repository at: https://github.com/ThomasLuypaert/BarcodeBrazil

Introduction

Write paper introduction here

Methods

Modify with methods

1. Building barcode-specific reference databases

Several approaches and associated tools are available to build barcode-specific reference databases, including CRABS, rCRUX, RESCRIPt, METACURATOR, and ECOPCR, among other (sources). Previous work has demonstrated the

Here, we make use of CRABS and rCRUX to build custom reference databases for X commonly used vertebrate barcodes: (i) 12S MiMammal (source); (ii) 12S Riaz (source); (iii) some other barcode; (iv) a final barcode.

CRABS reference database

First, we retrieved sequencing data for each barcode from up to four online repositories: (i) National Centre for Biotechnology Innovation (NCBI - 12S MiMammal, 12S Riaz, more options here); Barcode of Life Data System (BOLD - options here); European Molecular Biology Laboratory (EMBL - options here); and the Mitochondrial Genome Database of Fish (MitoFish - 12S MiMammal, 12S Riaz). We fine-tuned our search to contain only relevant sequences using database-specific search queries (Table X).

These we supplemented by: ... MIDORI...

Table 1: Table 1:

Database	Search query	Explanation
NCBI	-database nucleotide -query '12S[All Fields] AND ("1"[SLEN] :	Restricts the search to 12S sequences no longer than 50,000
	"50000"[SLEN])'	bp.
BOLD	-database 'Actinoptery-	Restricts the search to ray-finned
	gii Aves Mammalia Reptilia Amphibia'fish, birds, mammals, reptiles and	
		amphibians.
EMBL	-database 'vrt*'	Restricts the search to vertebrates.
MitoFish	No search query	Already restricted to
		mitochondrial sequences of fish
		species.

PART2

PART 3

Results

1) Question 1?

Observations here

Fig 1: A figure caption here

2) Question 2?

Fig 2: Another caption

Some more text about observations here

Fig 3: Another caption

3) Question 3?

Some dynamic text here, see example below

Fig 4: Another caption.

4) Question 4?

Some more supporting text.

Fig 5: Final caption

What next?

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References

Modify with scientific references