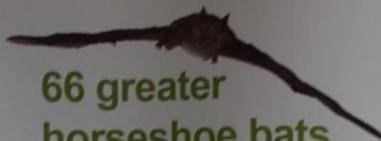


Metabarcoding for the parallel identification of bats and their preys : focus on the greater horseshoe bat

Orianne Tournayre¹, Maxime Galan¹, Jean-Baptiste Pons², Eric Pierre¹, Maxime Leuchtmann³, Dominique Pontier^{2,4†}, Nathalie Charbonnel^{1†}

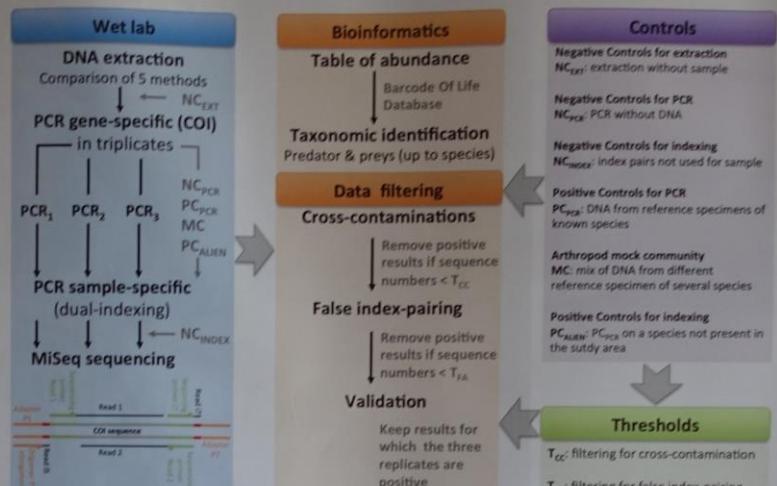
Galan et al 2017, BioRxiv doi: <https://doi.org/10.1101/155721>. Submitted in Molecular Ecology Resources



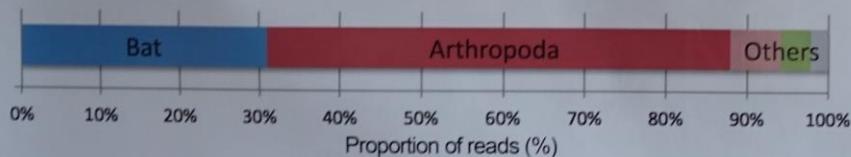
12 localities
In Western France

Rigorous protocols

3 PCR replicates, positive and negative controls, several filters



SUCCESSFUL DNA AMPLIFICATION OF BATS AND THEIR ARTHROPOD PREYS



A DIVERSIFIED DIET, DOMINATED BY LEPIDOPTERANS AND DIPTERANS

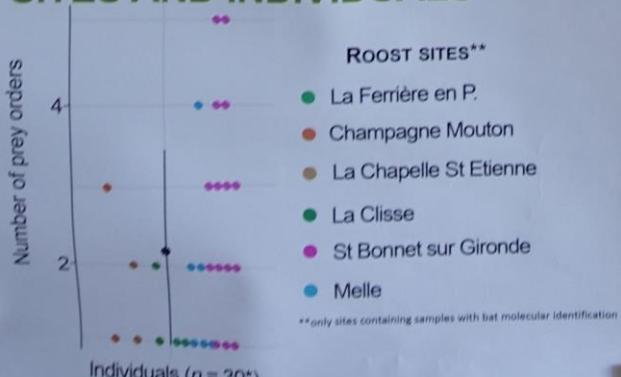


Occurrence of taxa ($n = 30^*$)
*excluding samples without bat molecular identification

...AND WHICH INCLUDES 16 PEST SPECIES



WITH A HIGH VARIABILITY BETWEEN SITES AND INDIVIDUALS



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