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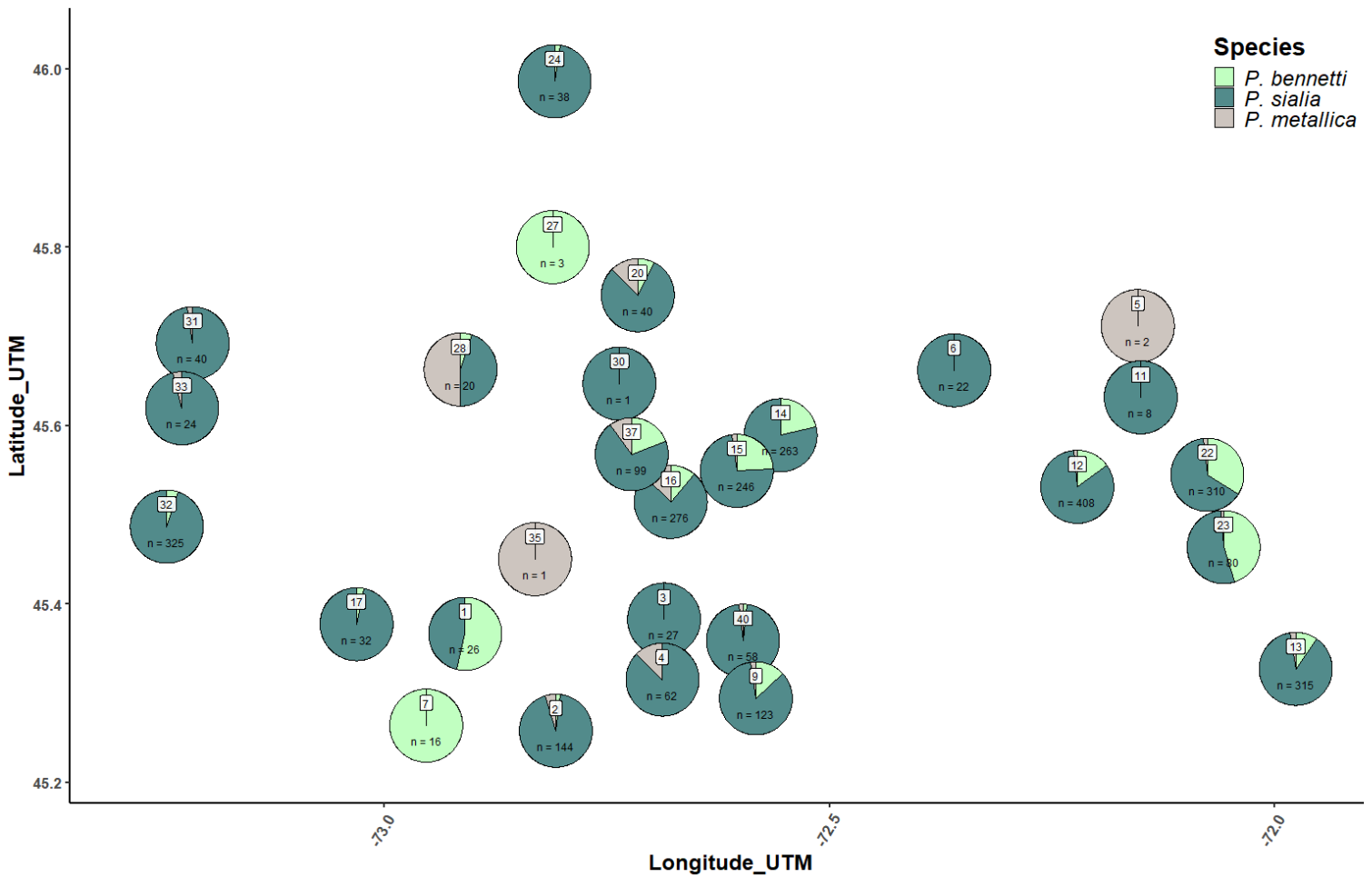
370 **Supplementary material, File S4 – geographical distribution of *Protocalliphora* spp. in the**  
371 **study system**

372           This supplementary figure illustrates the geographic distribution of three *Protocalliphora*  
373 species — *P. bennetti*, *P. sialia*, and *P. metallica* — across the farms included in the present study  
374 system. Species proportions were calculated by pooling all individuals of each species recorded  
375 on each farm across all years of sampling, thereby neglecting temporal variation. Despite some  
376 interfarm variation, all three species were detected across most of the study area. *Protocalliphora*  
377 *sialia* was the most dominant species overall, comprising the majority of records on most farms.  
378 This figure provides a spatial overview of *Protocalliphora* community structure within the  
379 studied agroecosystem.

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383 **Figure S4.** Species distribution between *Protocalliphora bennetti*, *P. metallica*, or  
384 *P. sialia*, according to the location of the different farms from the study system where specimens  
385 were subsampled. Farms were located in southern Quebec, Canada and covered 10 200-km<sup>2</sup>  
386 between 2004 and 2019.