



Human-commensal songbirds and the genomics of convergent adaptation



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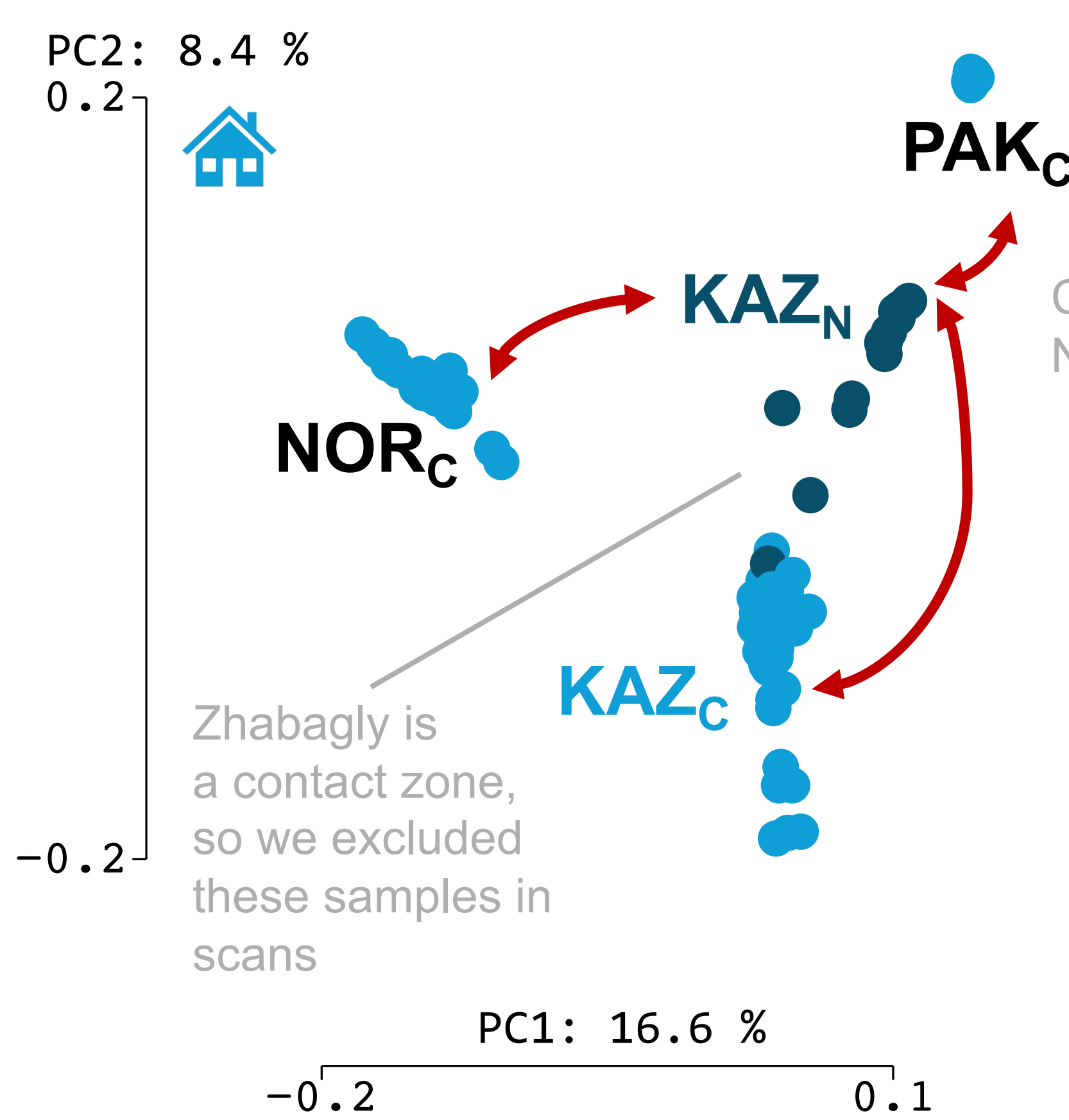
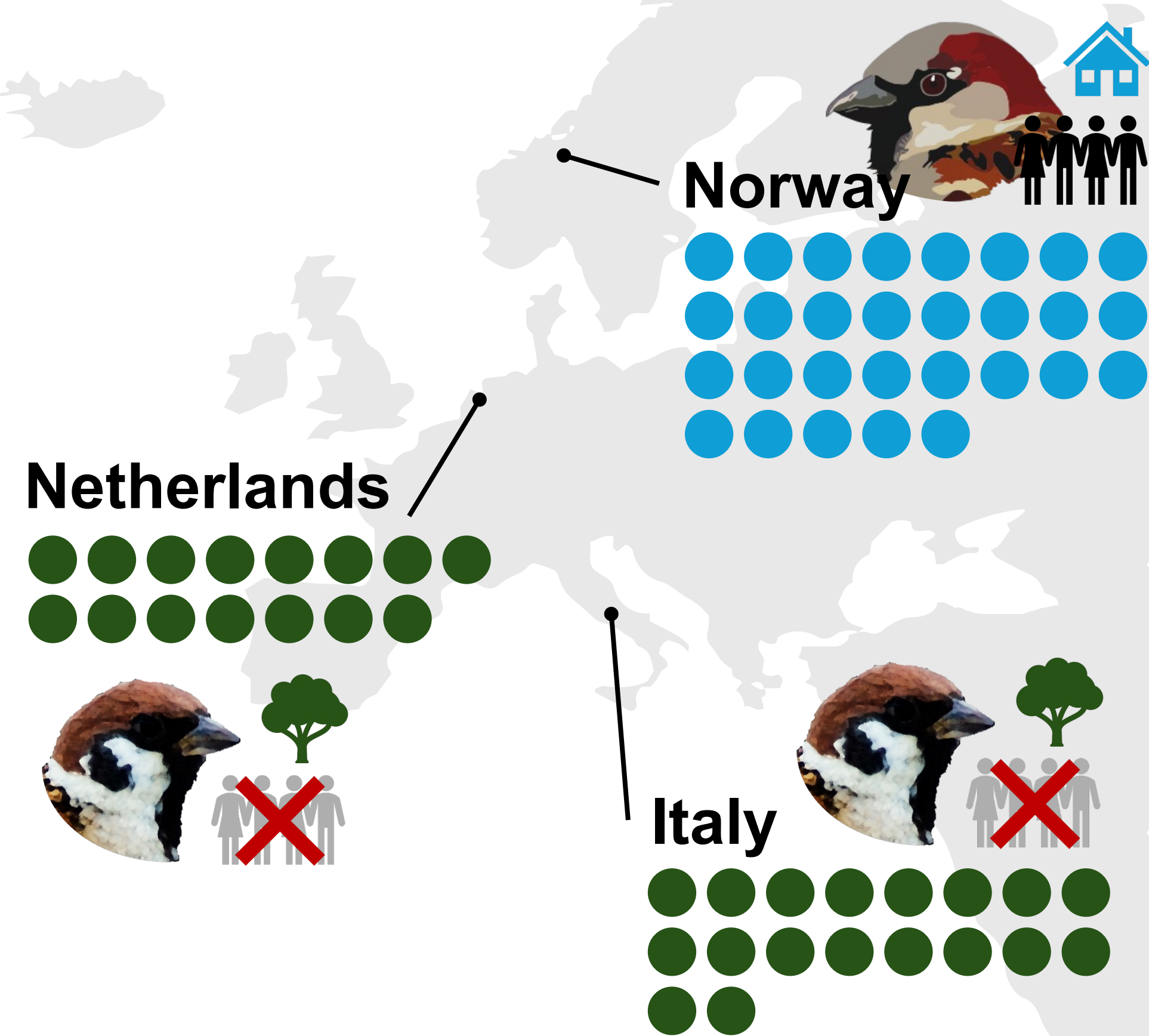
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House sparrows

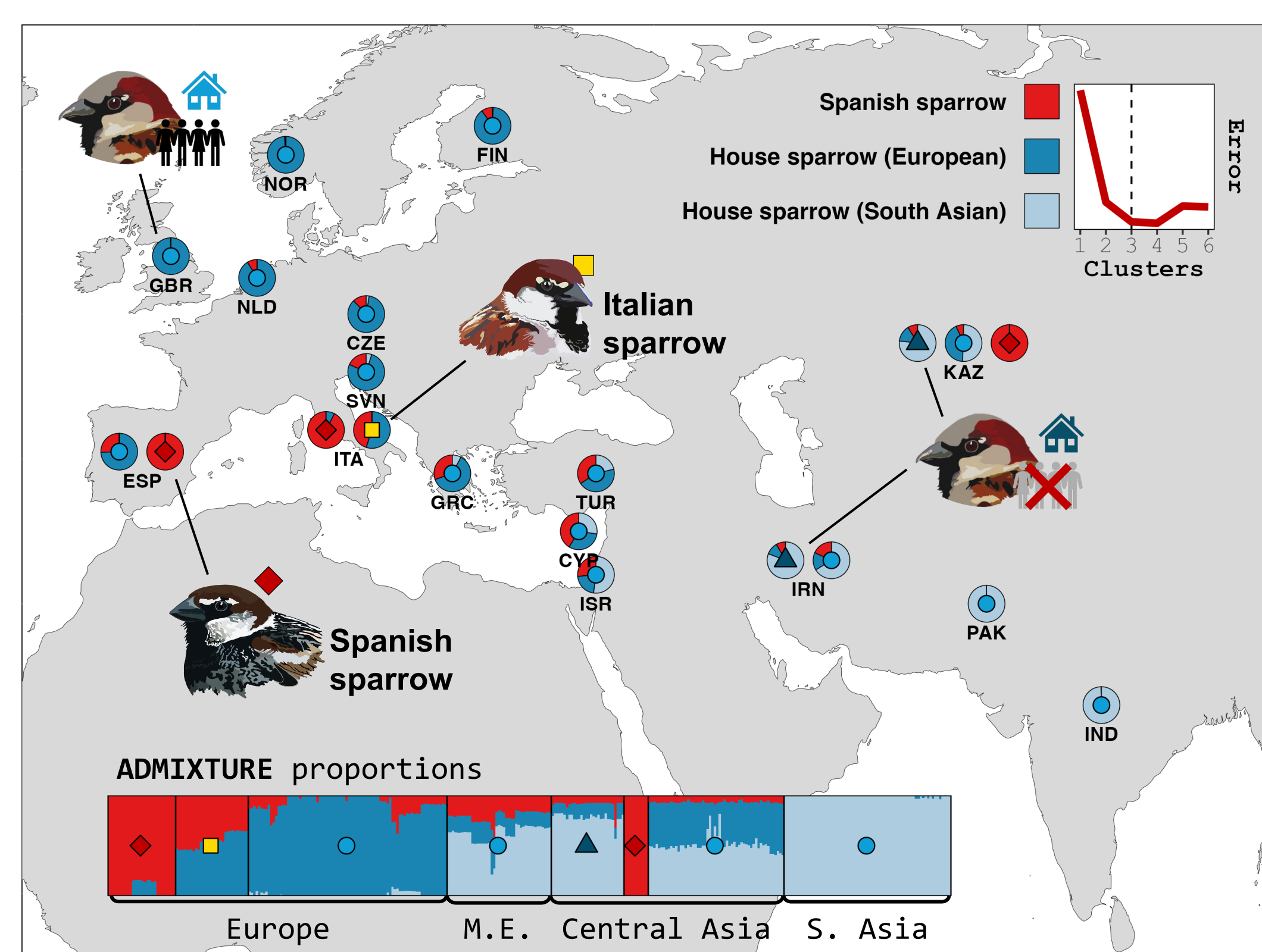
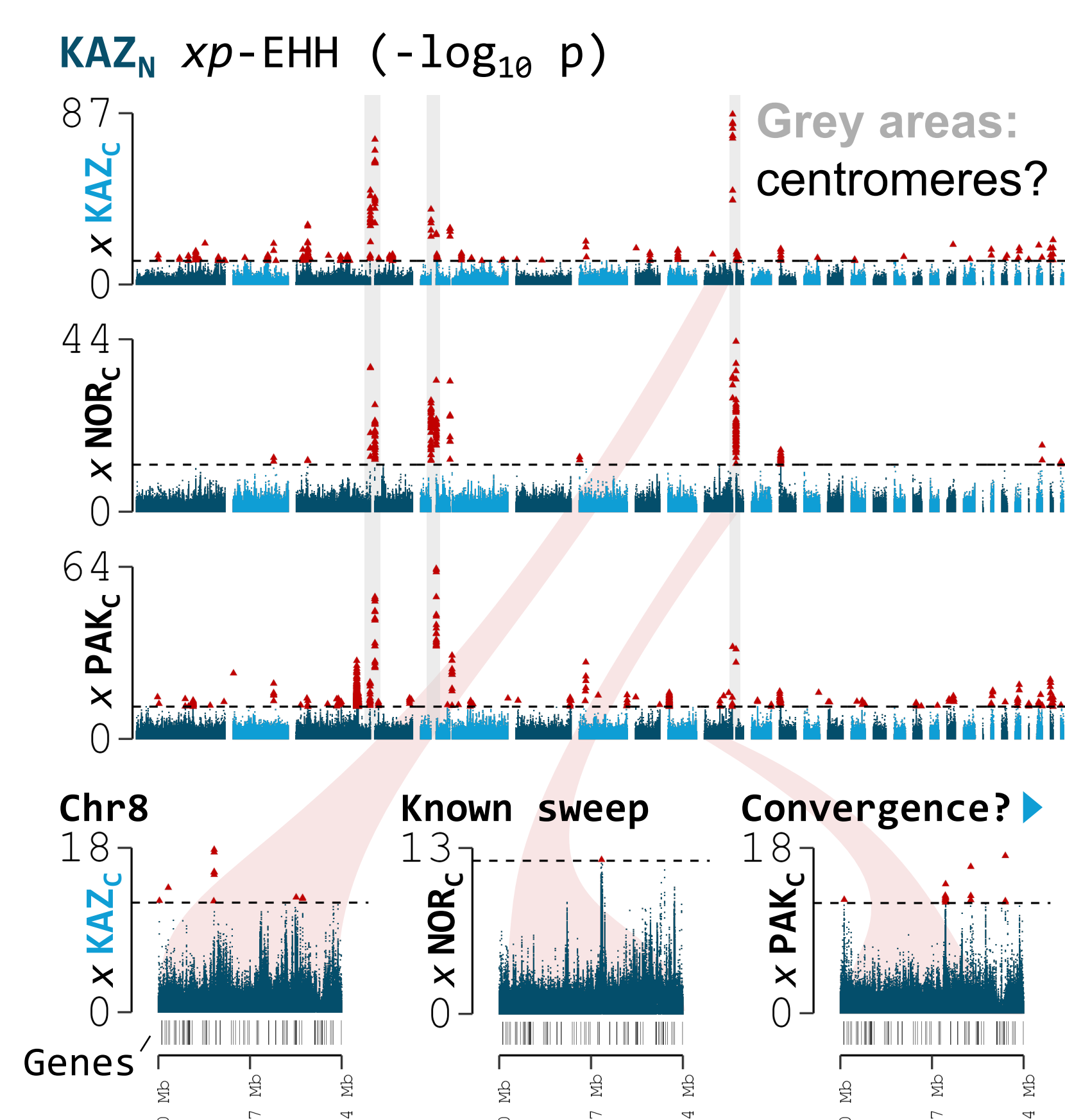


Passer domesticus are native to Central and Western Eurasia and almost all obligately **human-commensal**. **Non-commensal** populations exist in Central Eurasia.



Did human-commensalism evolve via convergent selection on similar genes in **house** and **tree** sparrows?

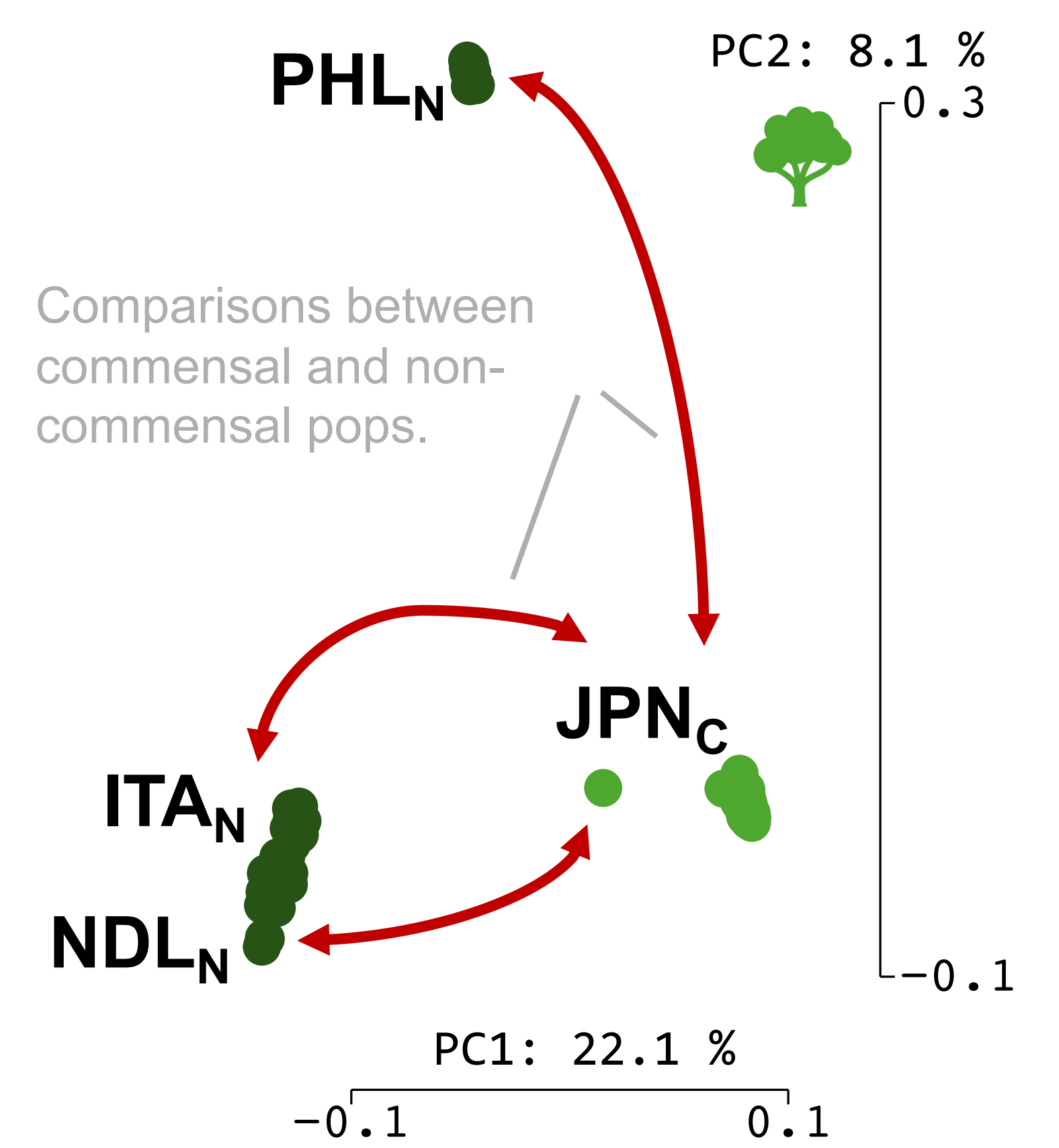
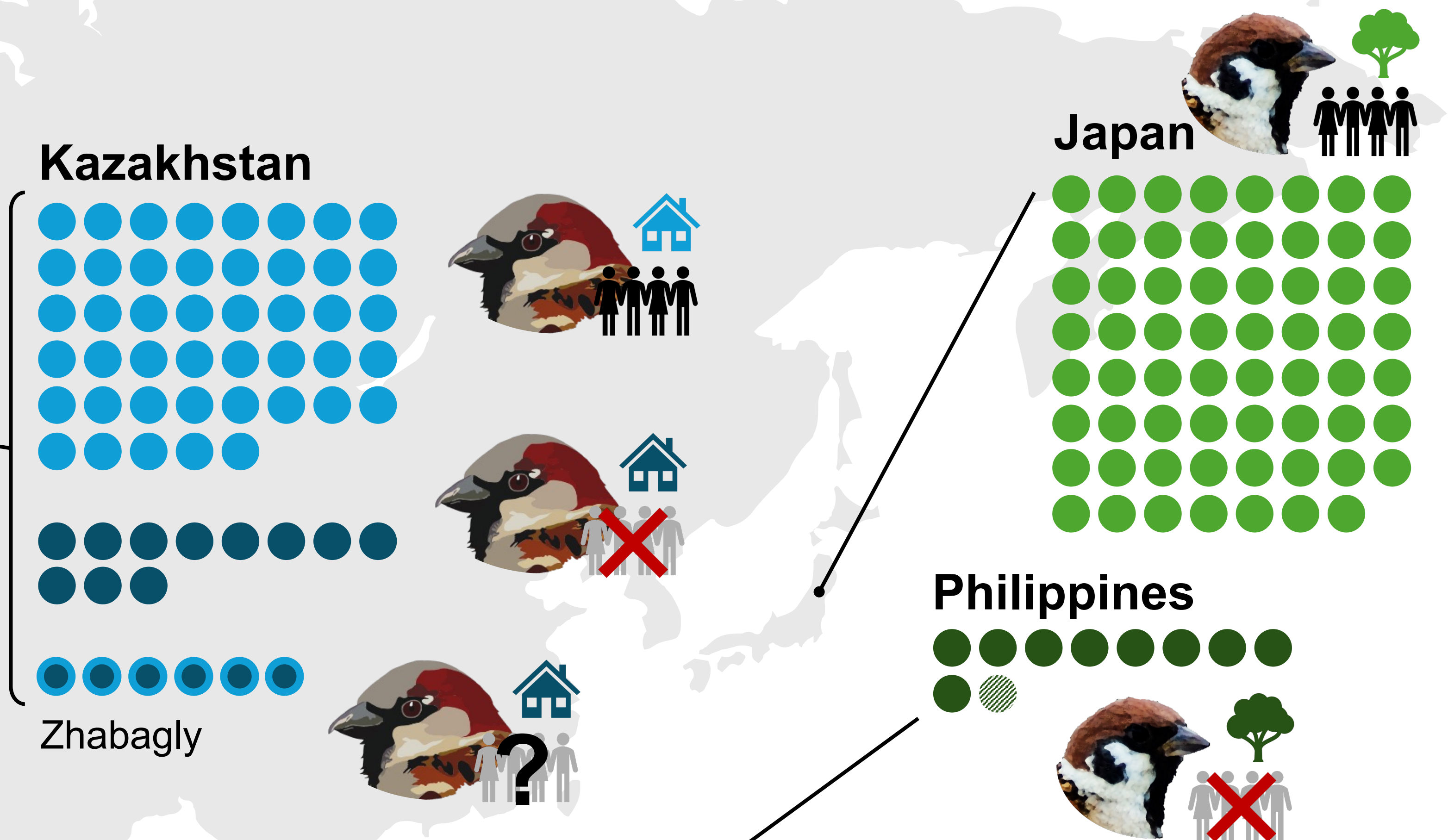
We compared commensal to non-commensal populations within-species with *xp*-EHH scans.



Tree sparrows



Non-commensal *Passer montanus* exist across most of Eurasia, but in parts of Europe and Eastern Asia also occupy or share the **human-commensal** niche.



Related research

The **house sparrow** species may have split in two lineages before adapting to humans.



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