Supplementary figures

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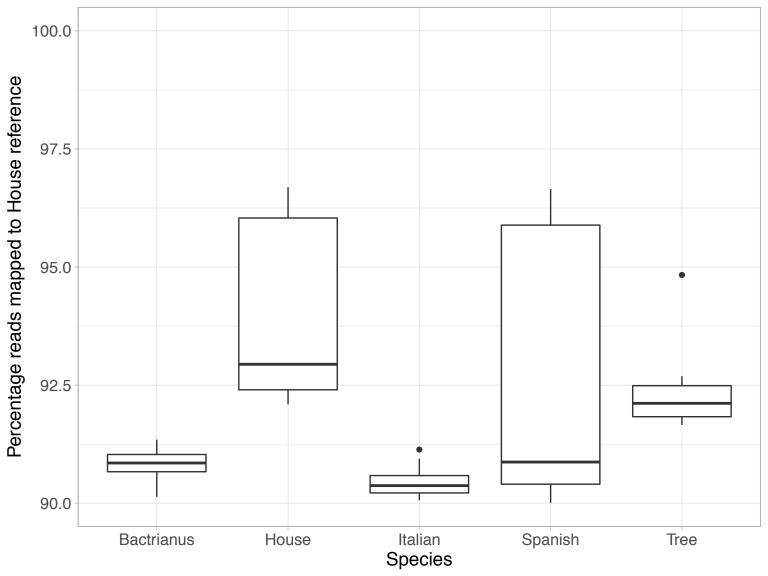
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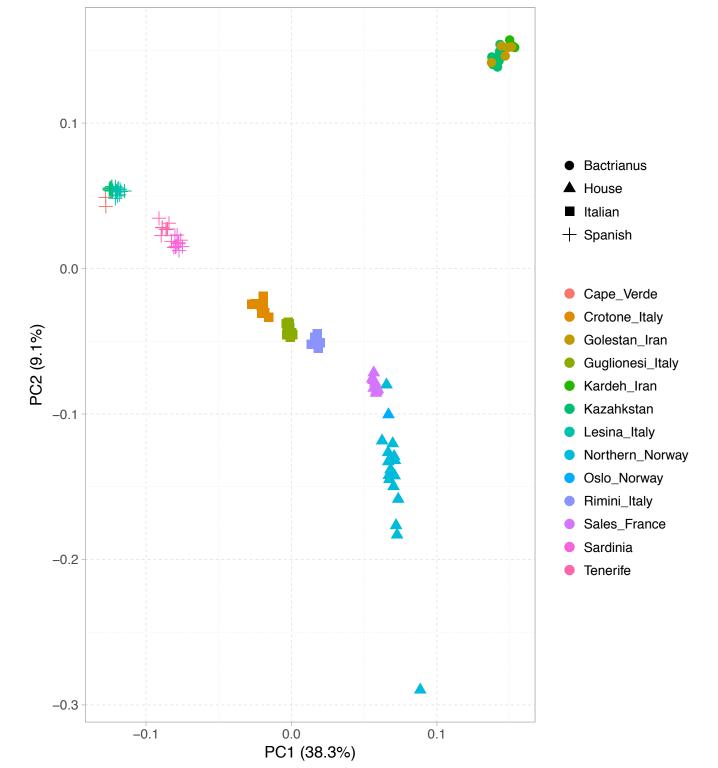
- 3 Figure S1: Boxplots of percentage of total sequence reads mapping to the house sparrow
- 4 reference genome.
- 5 Figure S2: PCA of allelic frequencies (as in Fig 1B) but showing within-species
- 6 population structuring instead of among species.
- 7 Figure S3: Cross-validation of ADMIXTURE runs shows highest support for K = 2 & 3.
- 8 Figure S4: Violin plots show the distribution of pairwise genome-wide F_{ST} estimates
- 9 from 100 Kb sliding windows with a 25 Kb step among and within species.
- Figure S5: Genome-wide F_{ST} patterns across all chromosomes from a 100 Kb sliding
- windows with a 25 Kb step. Black lines represent house vs. Bactrianus, blue lines denote
- 12 Spanish vs. Bactrianus and red lines show House vs. Spanish.
- Figure S6: Violin plots showing the distribution of pairwise genome-wide d_{XY} (a) and f_d
- 14 (b) estimates from 100 Kb sliding windows with a 25 Kb step among and within species.
- 15 Figure S7: Demographic models of isolation, migration and admixture tested using site-
- 16 frequency spectrum methods. Bottom panel shows migration parameters included in
- 17 the models when intraspecific gene flow is allowed.
- Figure S8: Log-likelihood distributions derived from 1,000,000 coalescent simulations
- 19 for each of the demographic models. These distributions provide a means of
- distinguishing different scenarios independent of AIC and standard model selection.
- 21 Figure S9: Genome-wide plot of iHS across the house sparrow genome. The full dataset
- has been downsampled to 20% (176, 701 SNPs) in order to aid visualisation. Dashed
- horizontal line represents significance at the level of P = 0.001.
- 24 Figure S10: Closer examination of genomic divergence between house and Bactrianus
- 25 sparrows for chromosomes 1, 2, 3 & 8 where the strongest signatures of selective
- sweeps were observed. For each chromosome, top panel log10 (p) xpEHH (blue =
- background, red = outliers where P < 0.0001); second panel mean absolute nucleotide
- divergence (d_{XY}); third panel relative differentiation (F_{ST}); fourth panel proportion of
- 29 putatively introgressed sites per 100 Kb window (f_d) between the house and Spanish
- 30 sparrow.

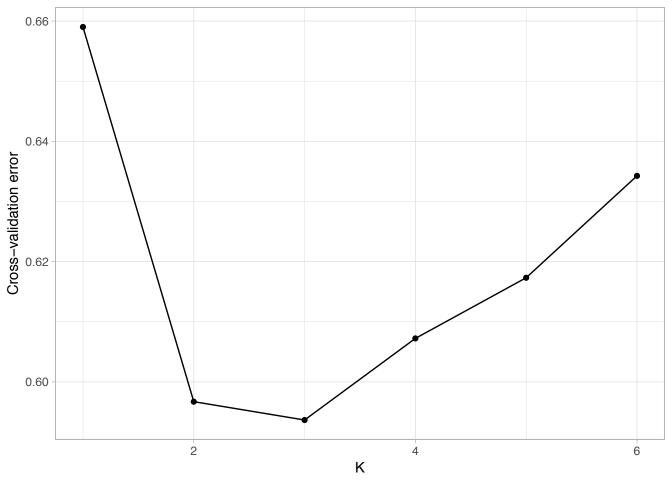
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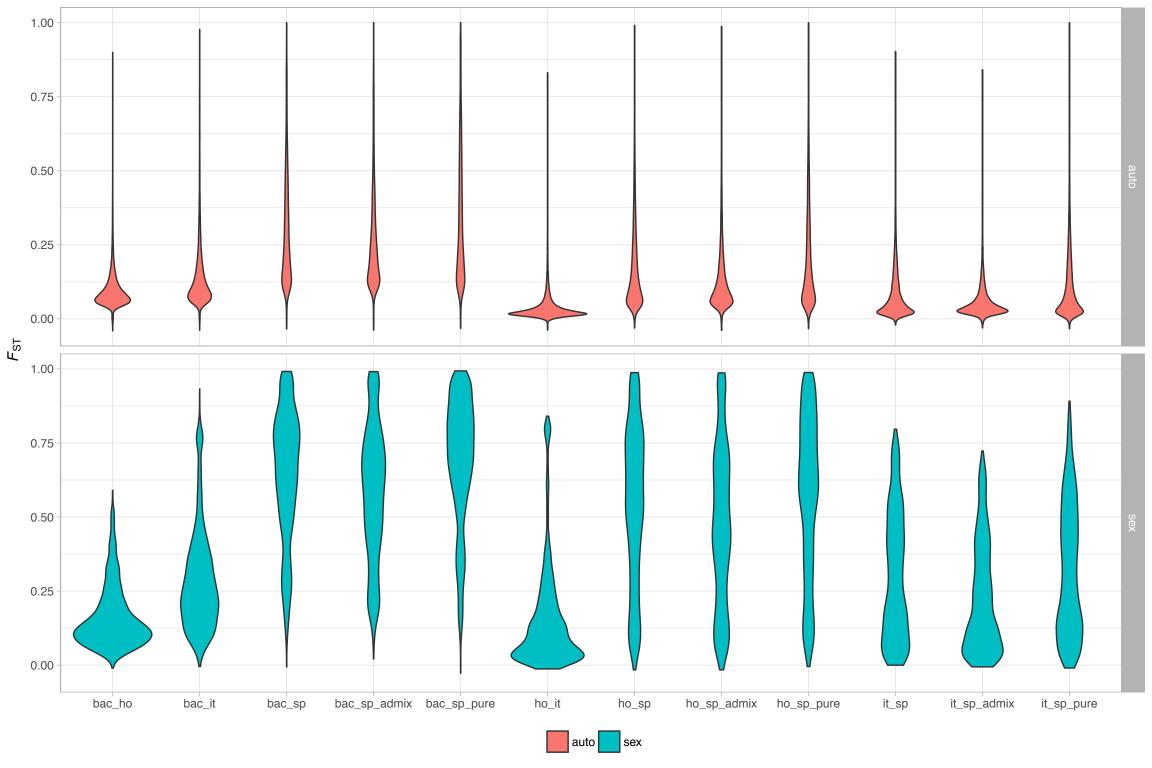
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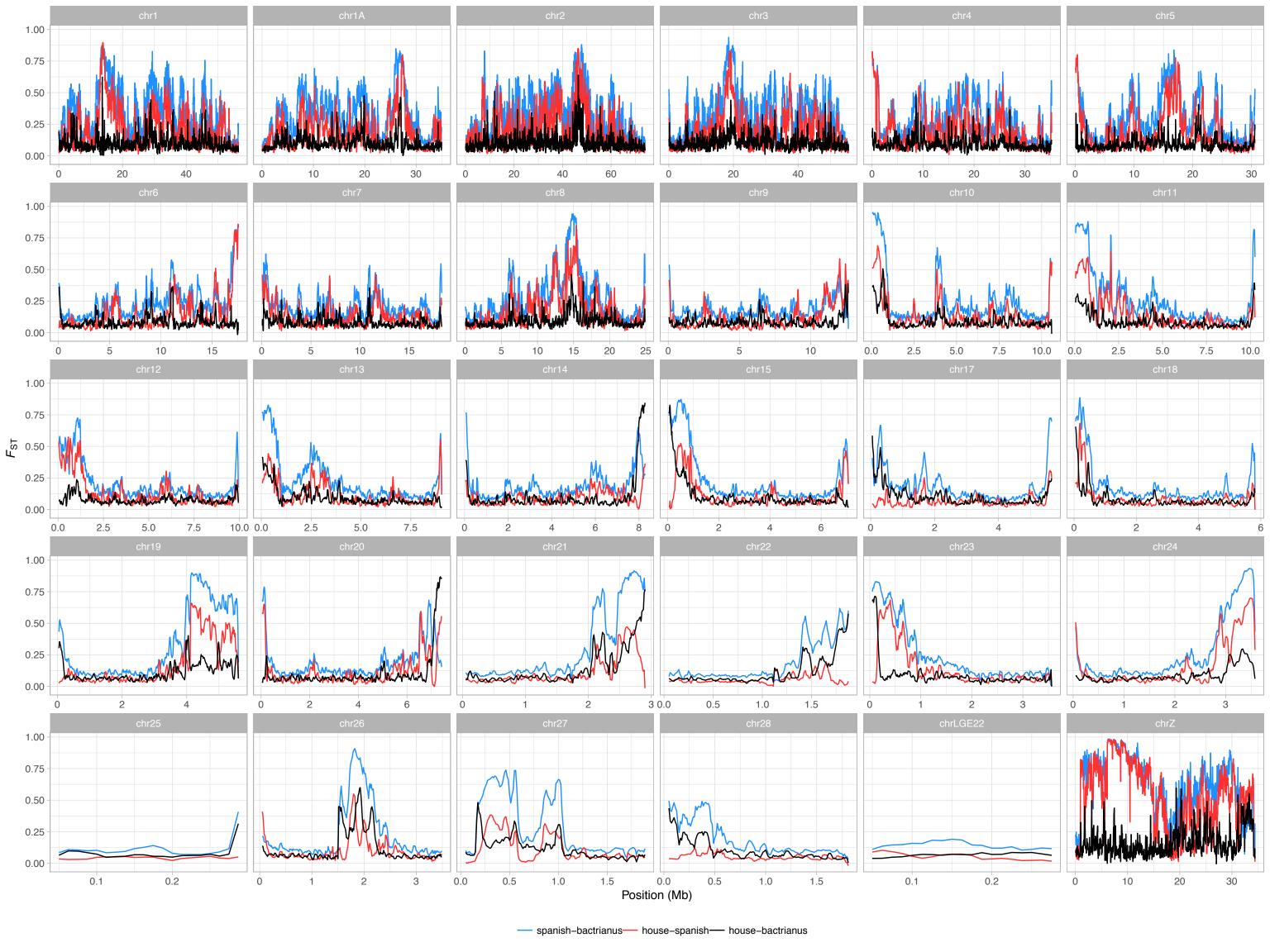
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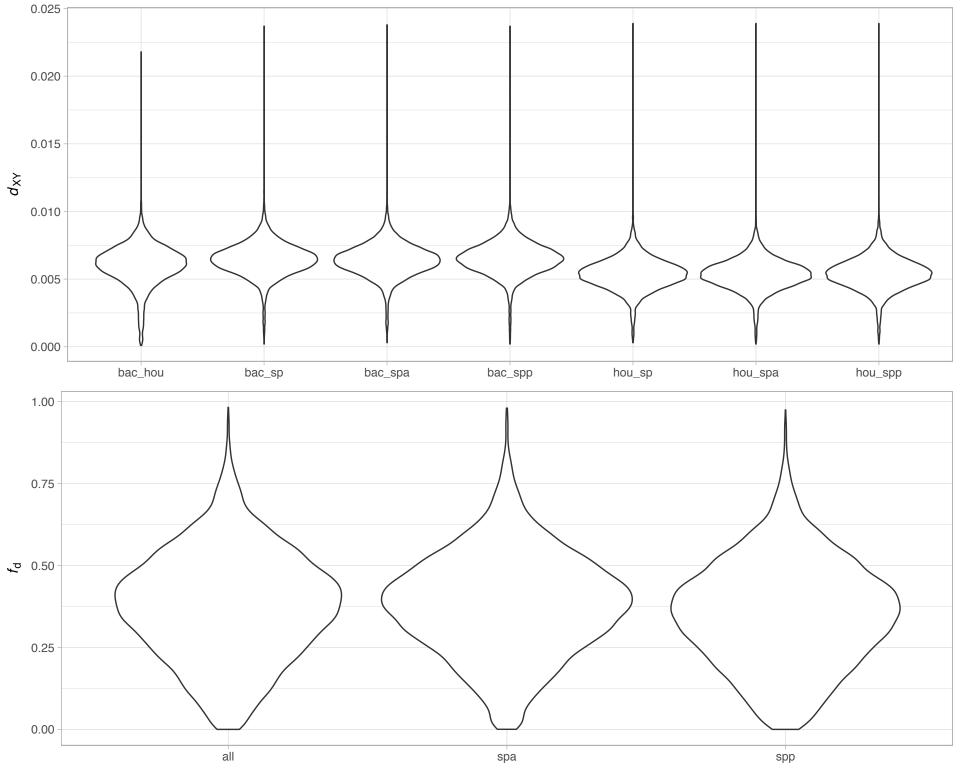


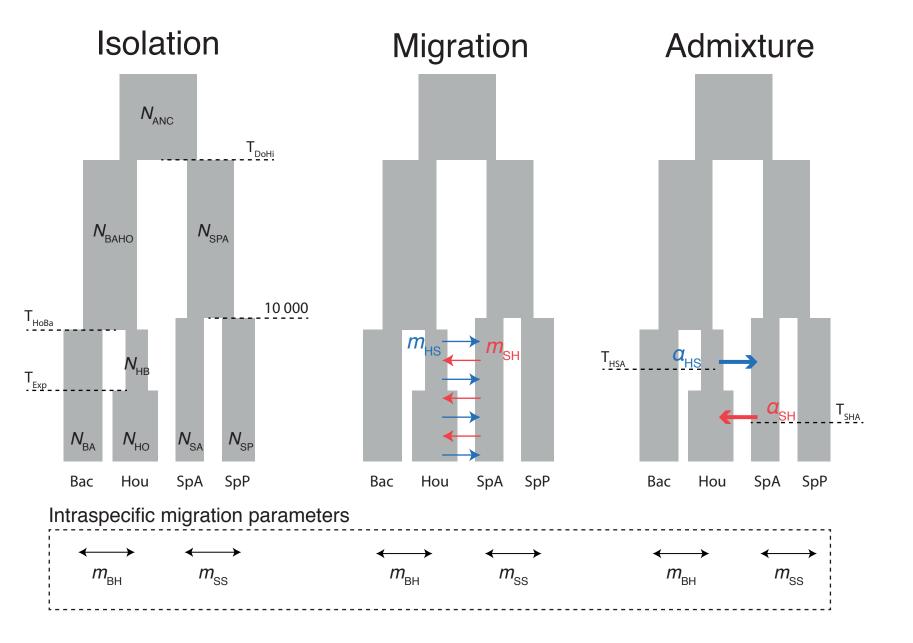


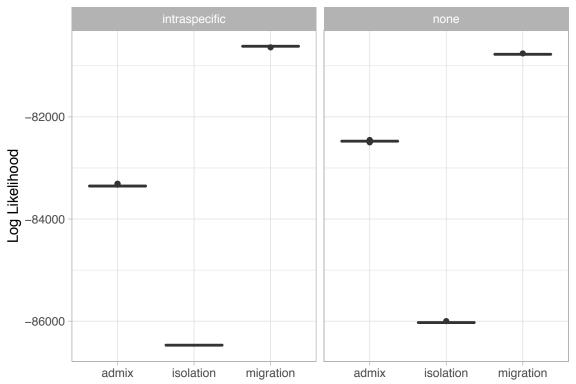


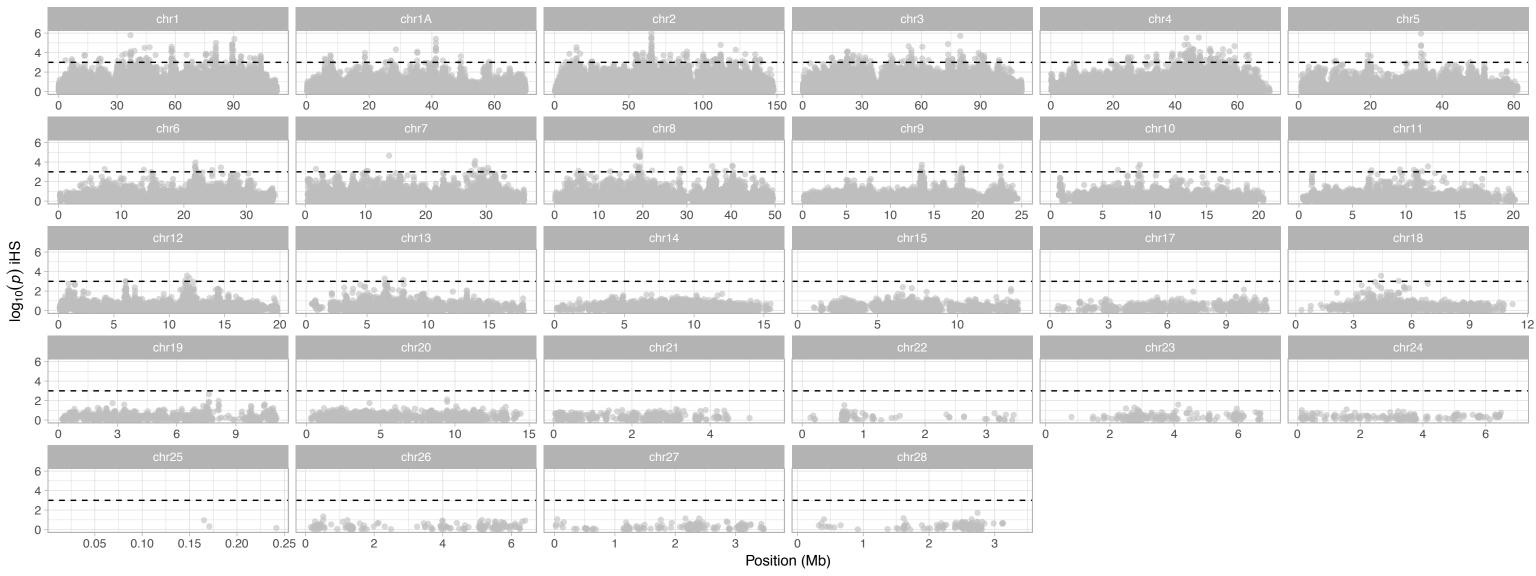


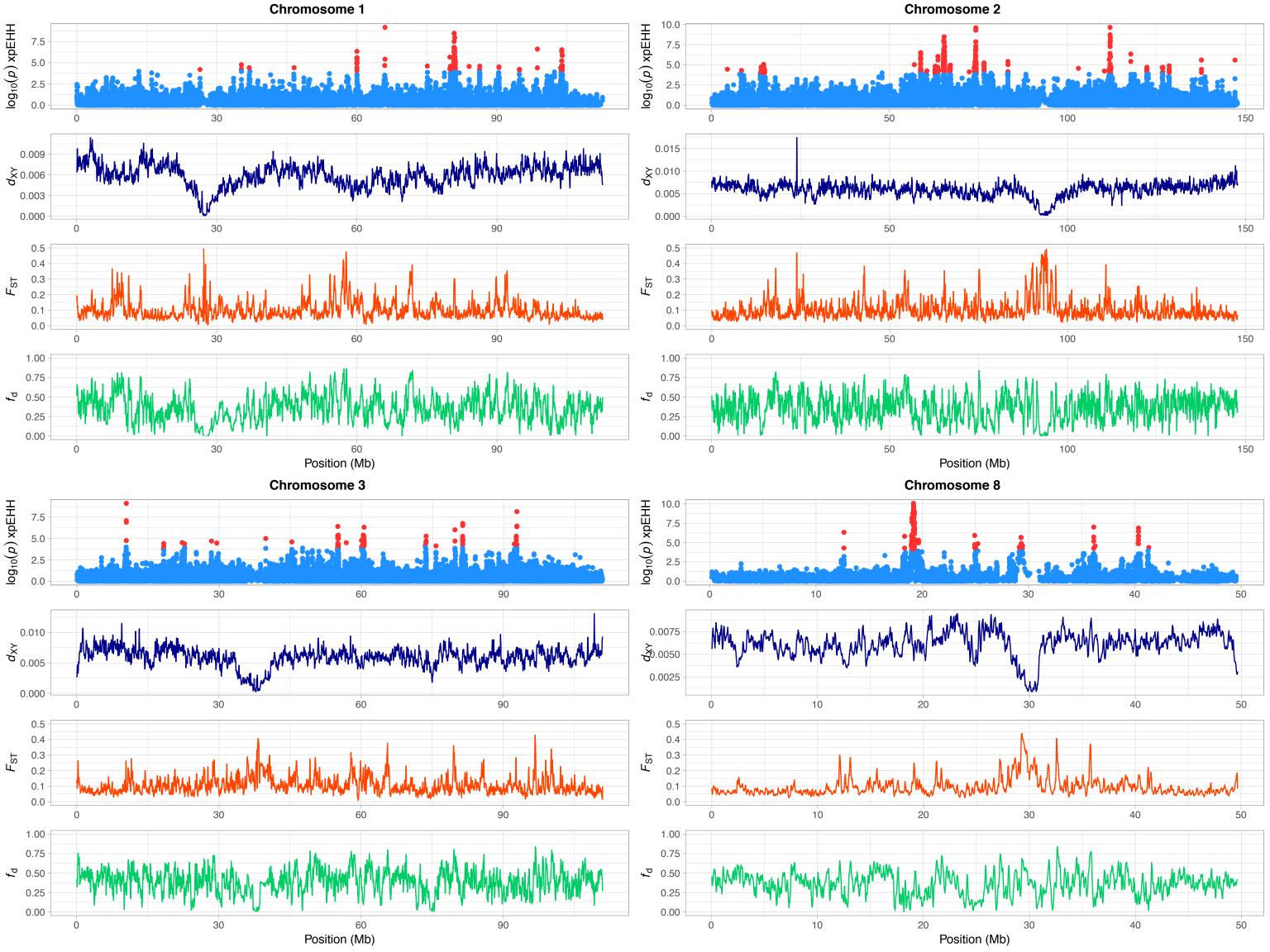












Supplementary tables

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- 36 Table S1: Breakdown of samples used.
- 37 Table S2: Priors for demographic inference.
- 38 Table S3: Model selection for SFS based demographic analyses using scenarios with and
- 39 without intraspecific gene flow.
- 40 Table S4: Number of xpEHH outlier peaks per chromosome.
- Table S5: Table of highest xpEHH outlier peaks per chromosome.
- Table S6: Enriched GO terms for genes within 250 Kb of xpEHH peaks between the
- 43 house and Bactrianus sparrow.

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