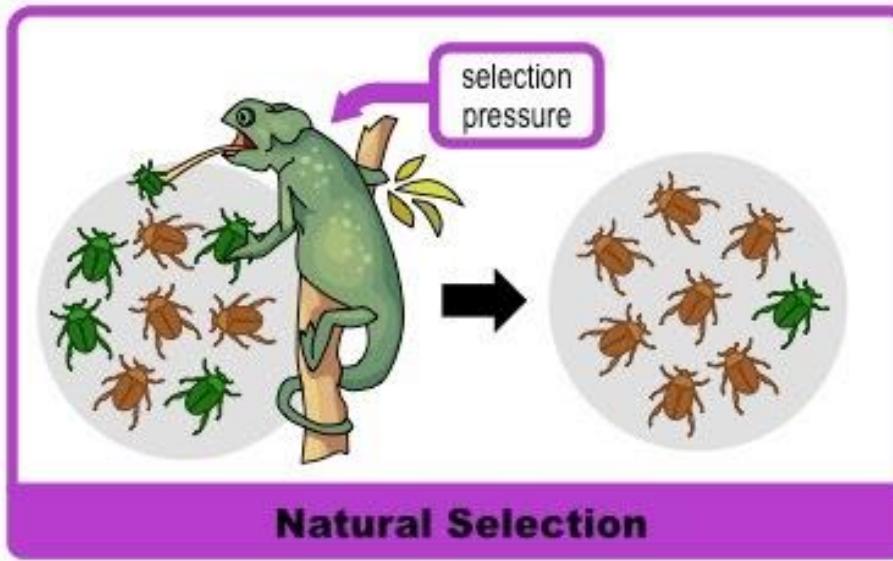
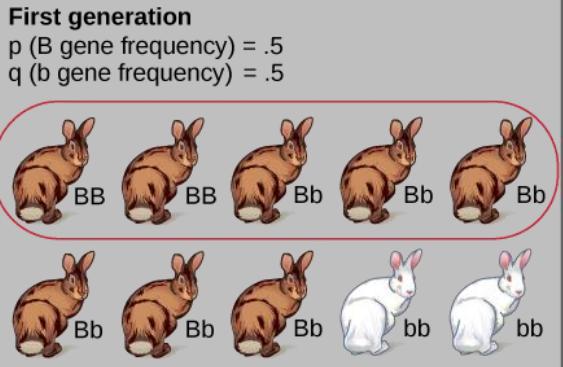


Factores determinantes en evolución

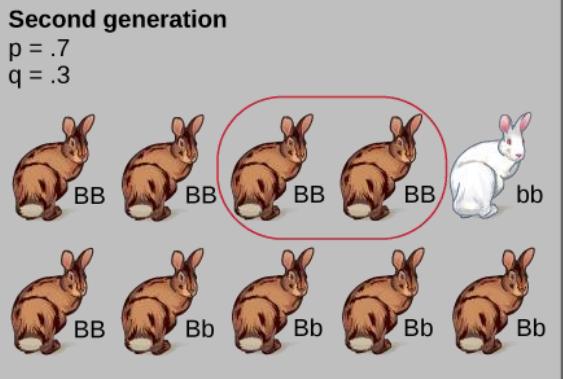


Deriva genética

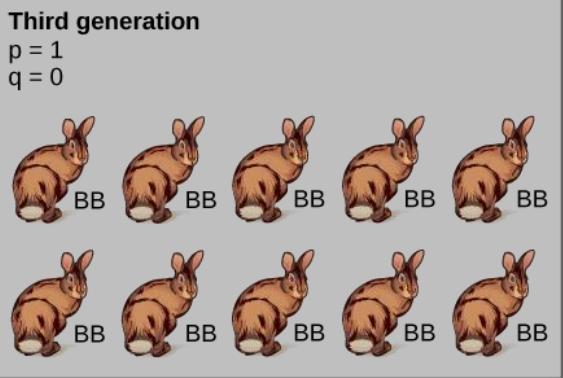
Deriva genética es la pérdida de alelos en una población debido a eventos aleatorios



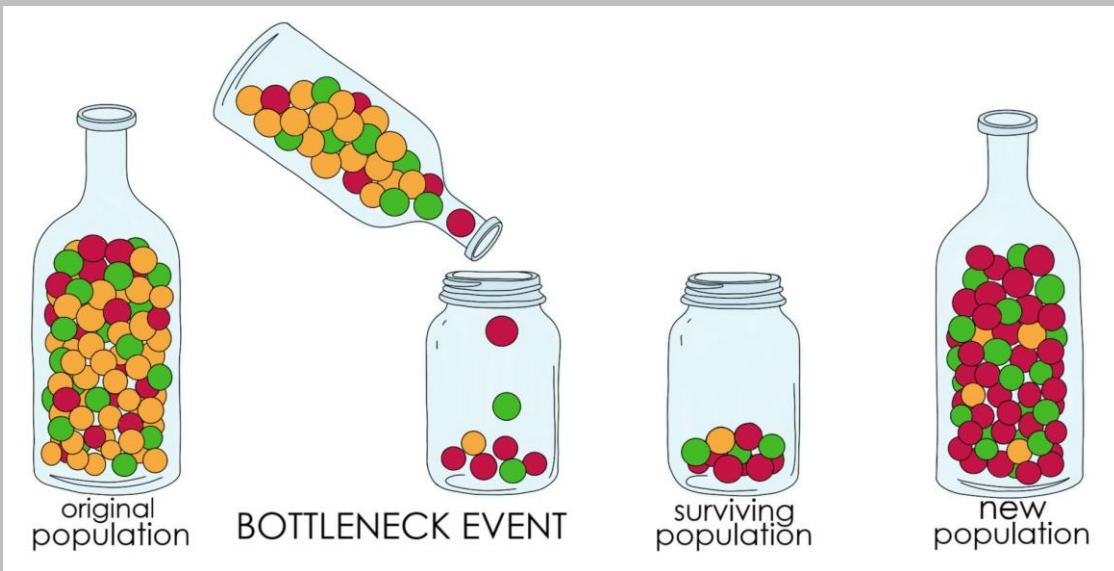
5 rabbits reproduce



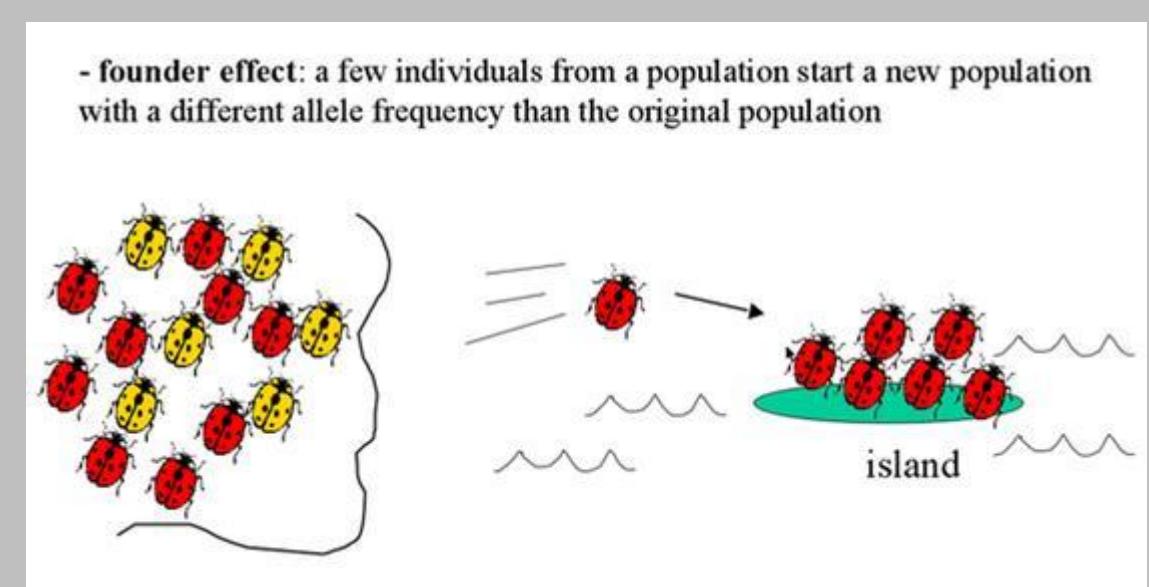
2 rabbits reproduce



Cuello de botella y efecto fundador son dos procesos extremos de deriva génica

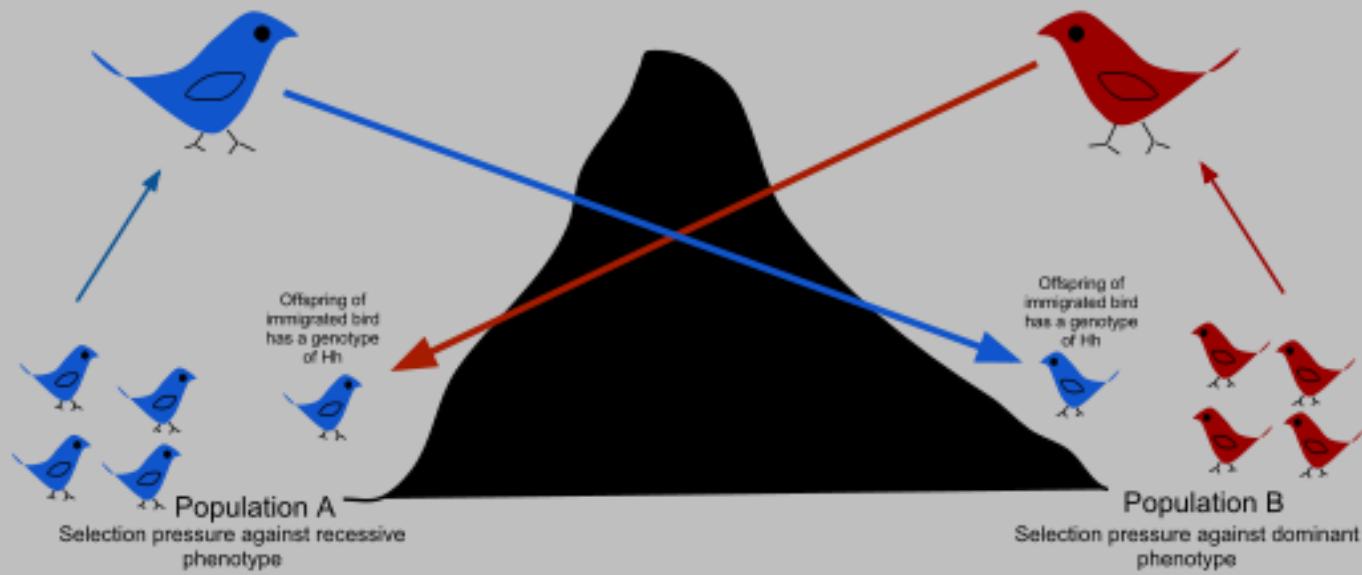


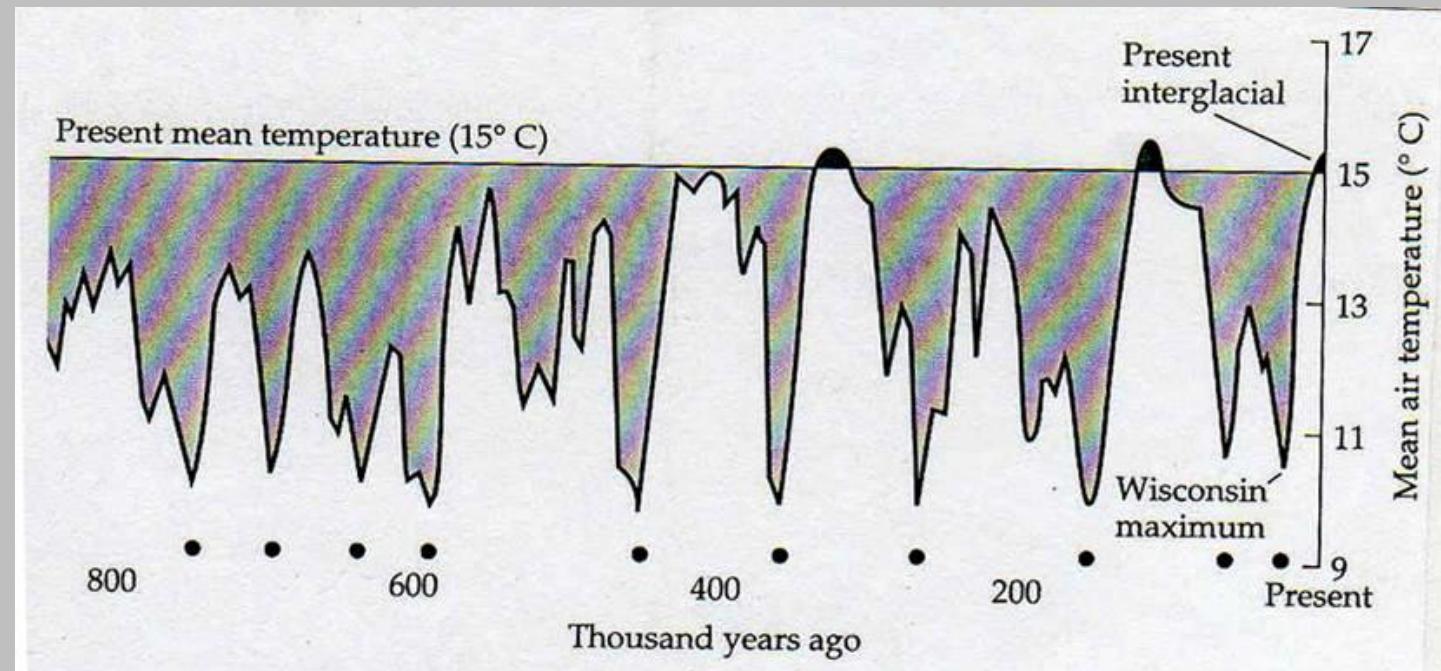
<https://facts.net/science>



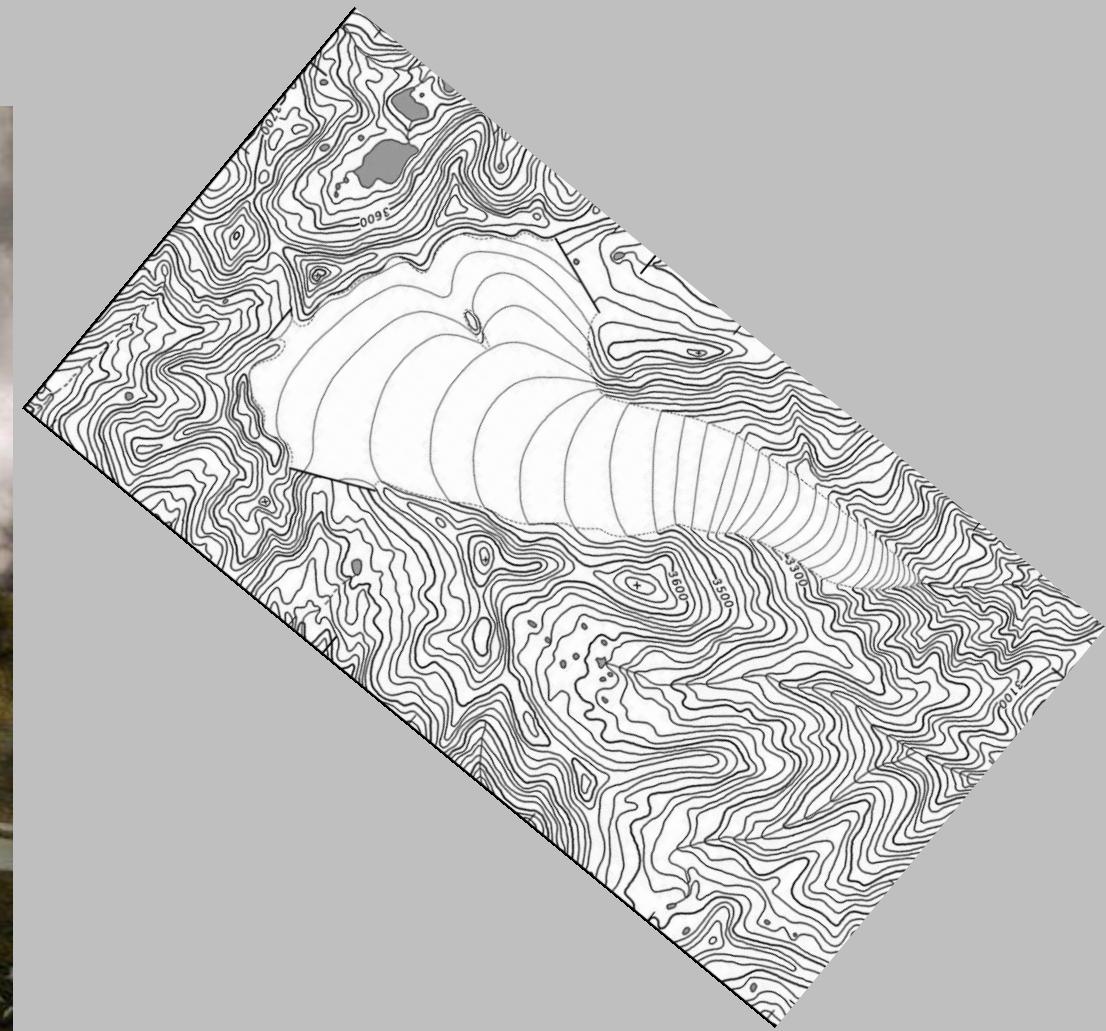
<https://socratic.org/questions>

Flujo génico





¿Qué pasó en CR?



Thryorchilus browni



Sotobosque
Parejas territoriales
Muy vocal

Estructura genética
(microsats)
Morfología
Canto



RESEARCH ARTICLE

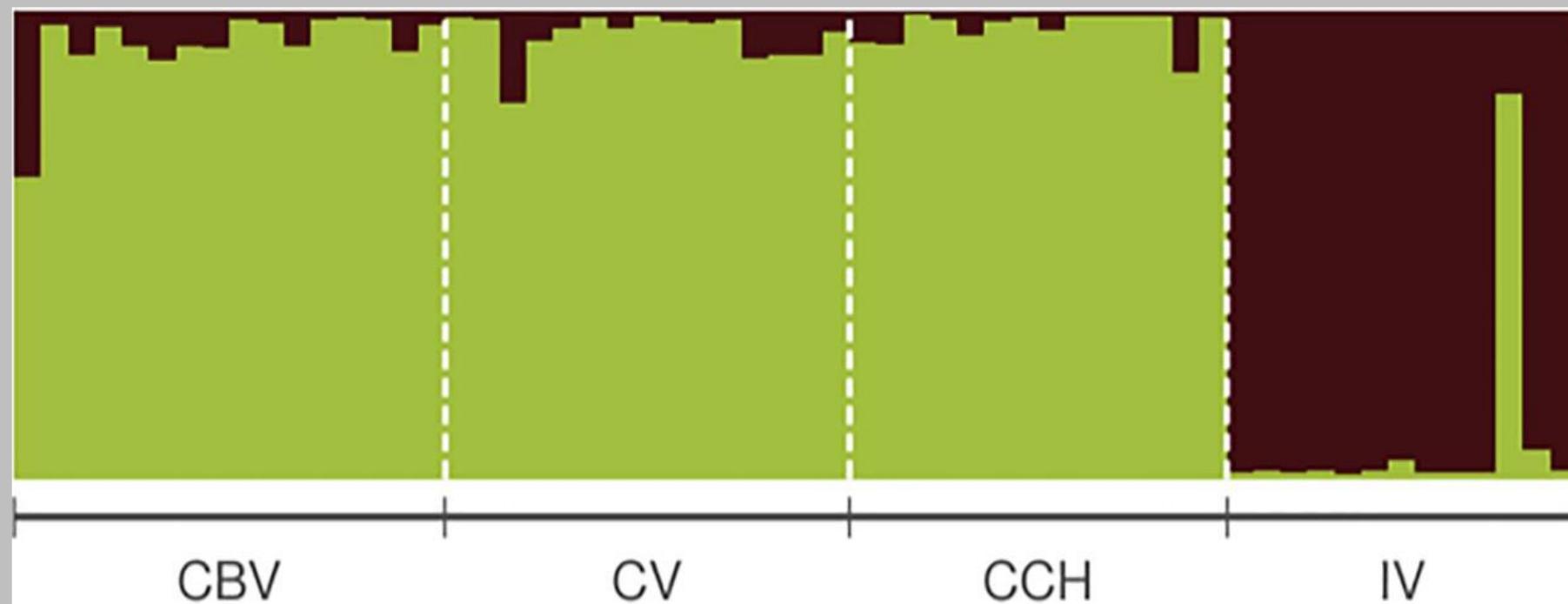
Effect of barriers and distance on song,
genetic, and morphological divergence in the
highland endemic Timberline Wren
(*Thryorchilus browni*, Troglodytidae)

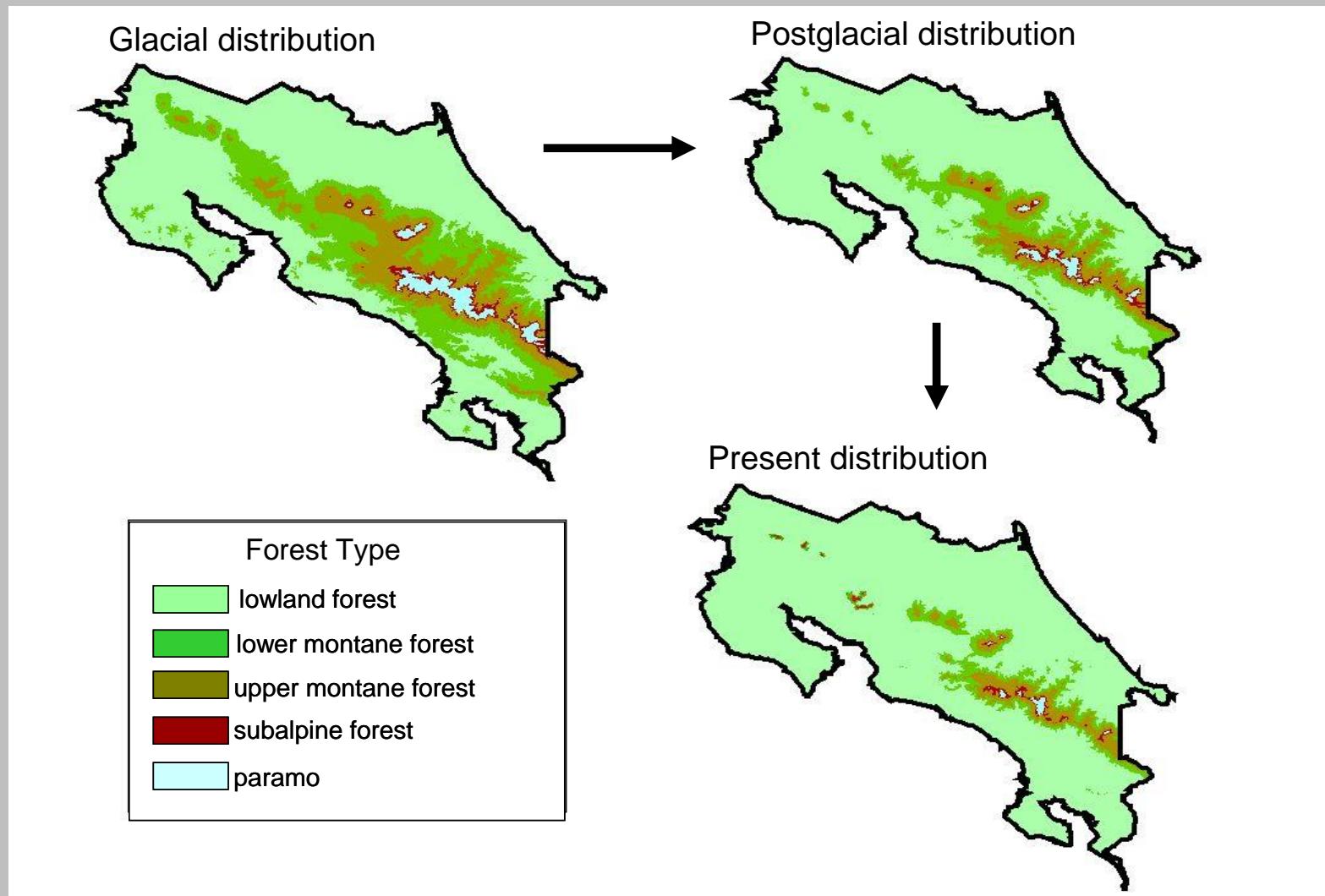
Andrés Camacho-Alpízar, Eric J. Fuchs*, Gilbert Barrantes

Table 4. Mean (\pm sd) genetic diversity estimates for six microsatellite loci from the timberline wren in four populations in Costa Rica.

Site	n	A	Ae	Ho	He	Fis
CBV	16	6.167 ± 2.927	3.437 ± 0.525	0.667 ± 0.236	0.690 ± 0.164	0.033
CV	15	5.667 ± 2.160	3.371 ± 0.399	0.722 ± 0.235	0.722 ± 0.093	-0.022
CCH	14	6.167 ± 2.317	3.864 ± 0.700	0.714 ± 0.202	0.736 ± 0.134	0.006
IV	13	3.333 ± 1.211	2.103 ± 0.316	0.449 ± 0.281	0.504 ± 0.219	0.067

N = number of individuals, A = number of alleles, Ae = number of effective alleles, Ho = observed heterozygosity, He = expected heterozygosity, Fis = Inbreeding coefficient. Populations: CBV = Cerro Buena Vista, CV = Cerro Vueltas, CCH = Cerro Chirripó, IV = Irazú Volcano.



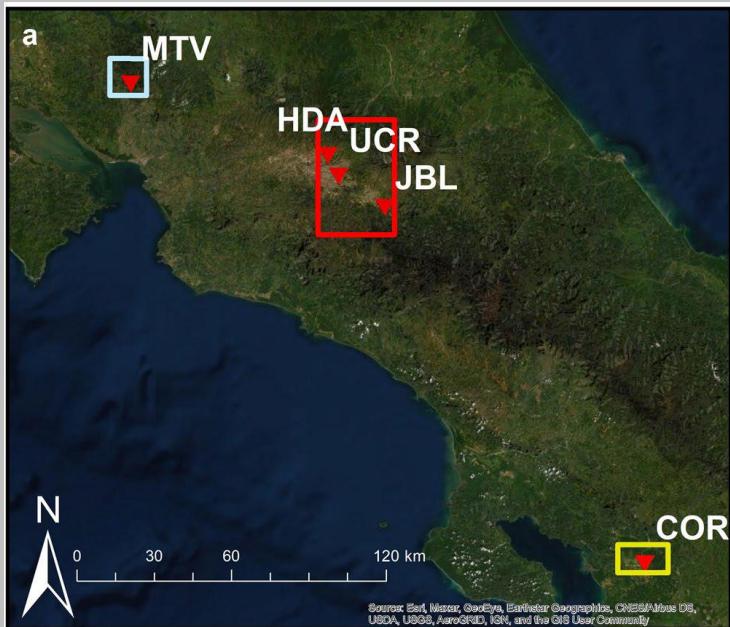




Troglodytes aedon
<https://www.inaturalist.org>



Melozone leucotis
ebird.org



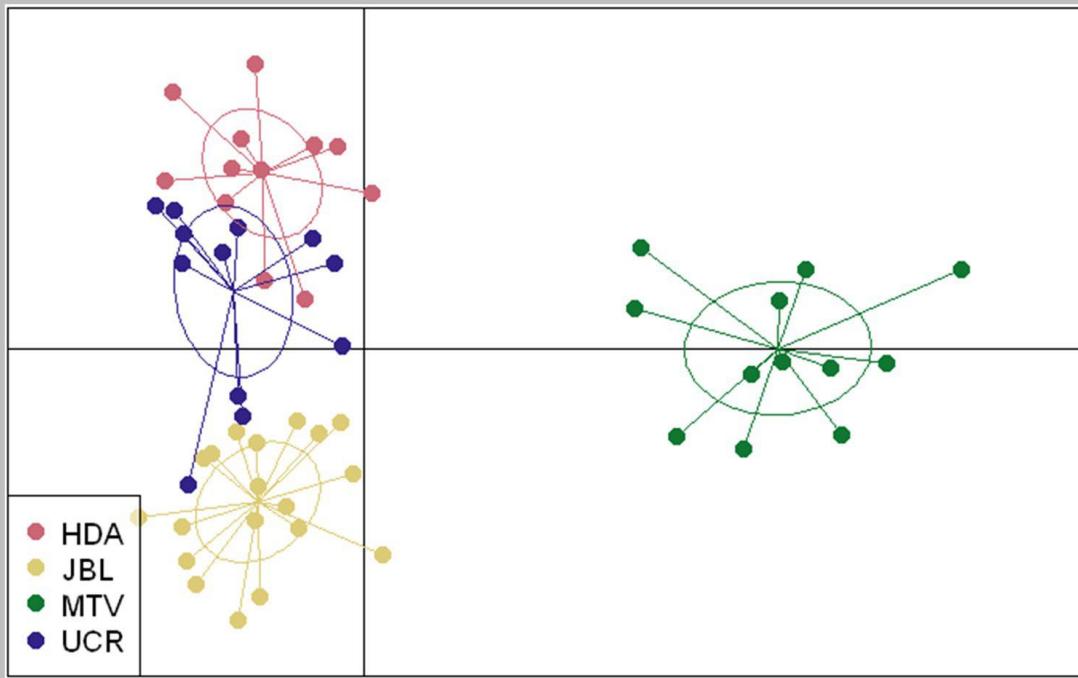
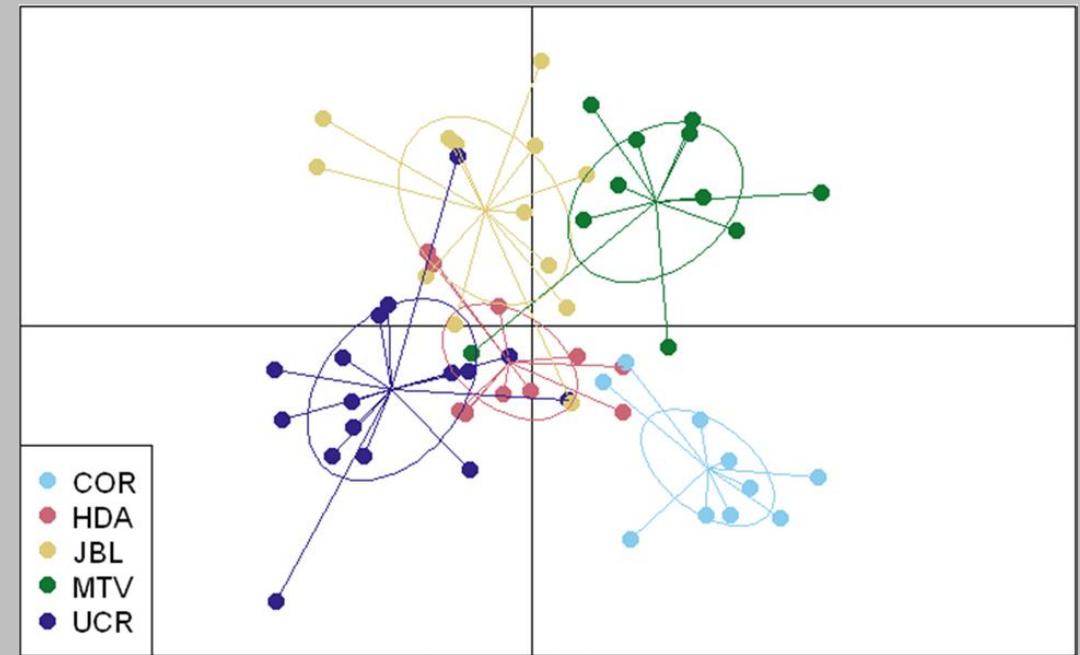
Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

scientific reports

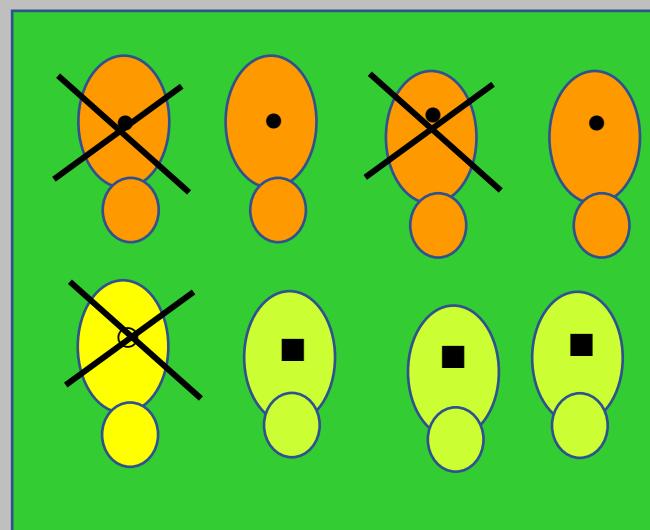
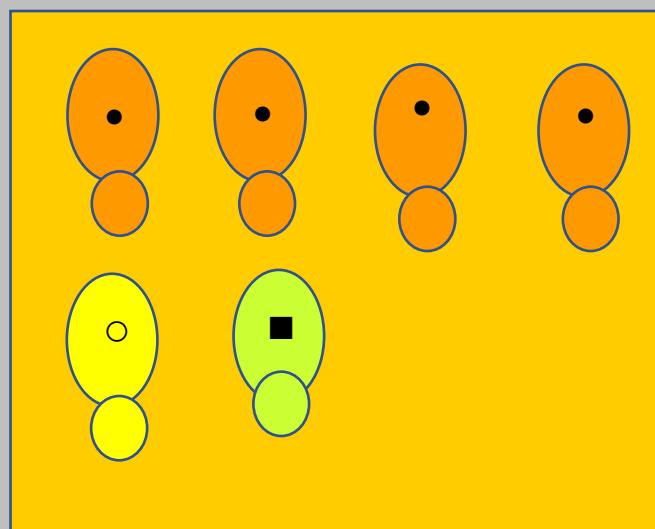
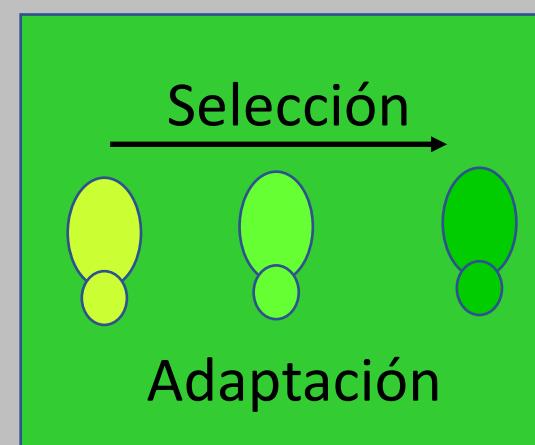
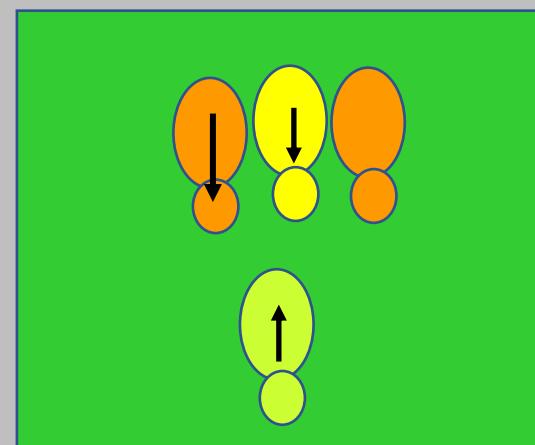
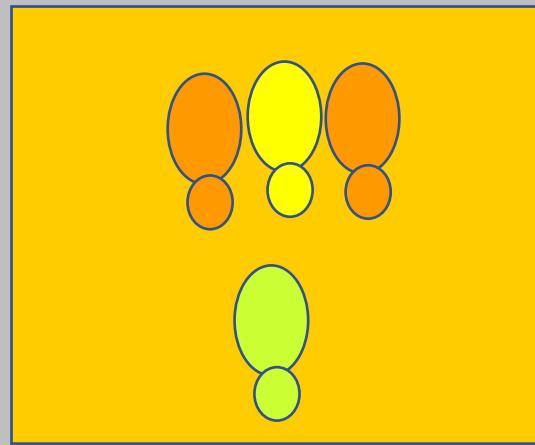
OPEN | **Genetic structure in neotropical birds with different tolerance to urbanization**

Mauricio Rodríguez-Bardia^{1,2}, Eric J. Fuchs², Gilbert Barrantes², Ruth Madrigal-Brenes² & Luis Sandoval²

Check for updates



Como la selección natural determina la evolución
de una caracteristica en una poblacion



4/1/1

2/0/3