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The evolutionary history of baleen whales in the genome era

Garcia Furni, Fabricio R

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Propositions
The Evolutionary History of Baleen Whales in the Genome Era
Fabricio Furni

1. *Genomes pledge to reveal promising analytical paths for population genetic studies*
2. *Looking at individual pieces does not tell you the whole story, but the specifics of that specific element.*
3. *The evolutionary history of fin whales is more convoluted than previously thought. It is a complex network of events that puts into question simplistic assumptions*
4. *Natural selection is limited by the granularity of mutational effects, patterns of mutational bias, and the power of random genetic drift. Michael Lynch. SMBE Meeting, Italy 2023*
5. *The long-term demographic history of a species might be of more relevance than recent demographic events in promoting major genome-wide changes*
6. *Baleen whale genomes may hold the power to reveal the immediate effect of overexploitation and point directions to more realistic estimates of the pre-whaling abundance*
7. *Southern Ocean baleen whale demography was drastically affected by whaling, albeit with less dramatic genomic consequences*
8. *Temporal sampling can be a good approach to detect the effects of short-term demographic changes in genome-wide studies*
9. *It is always the strength of the evidence that matters, not the authority of the people making the claim. Ronald Fisher*
10. *There is always something left to be done. NHO Almirante Maximiano*