

# Antarctic Dragonfish Genome

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Intro. To Genomics 485

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# Outline

- General information
- Genome paper
- General genome information
- Sequencing strategy
- Sequencing methods



## General information

- It is known as *P.charcoti* or Antarctic dragonfish
- It belongs to the suborder notothenoids



# General information

- They live in the Antarctic ocean.



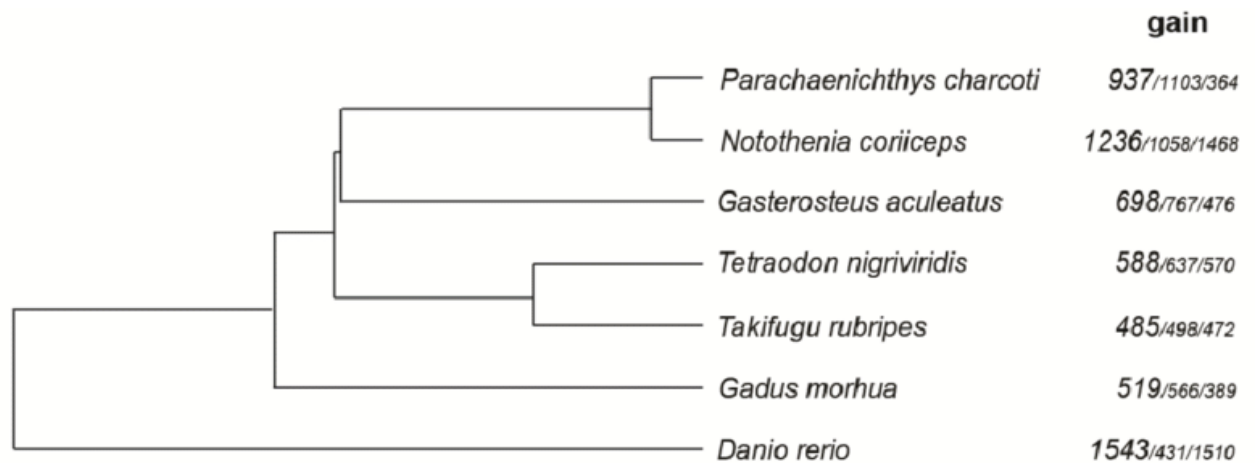
## General information

- They live under 400m.



# General information

- They have evolved to adapt to the cold environment.



## General information

- It is the only hemoglobinless vertebrate.



# Genome paper



GigaScience, 6, 2017, 1–6

doi: [10.1093/gigascience/gix060](https://doi.org/10.1093/gigascience/gix060)

Advance Access Publication Date: 24 July 2017

Data Note

DATA NOTE

## Draft genome of the Antarctic dragonfish, *Parachaenichthys charcoti*

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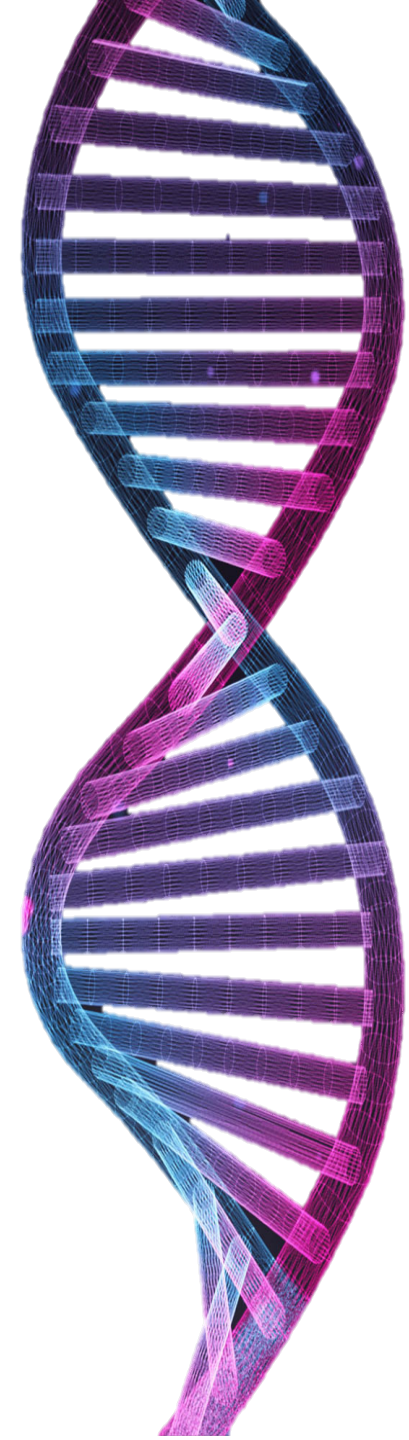
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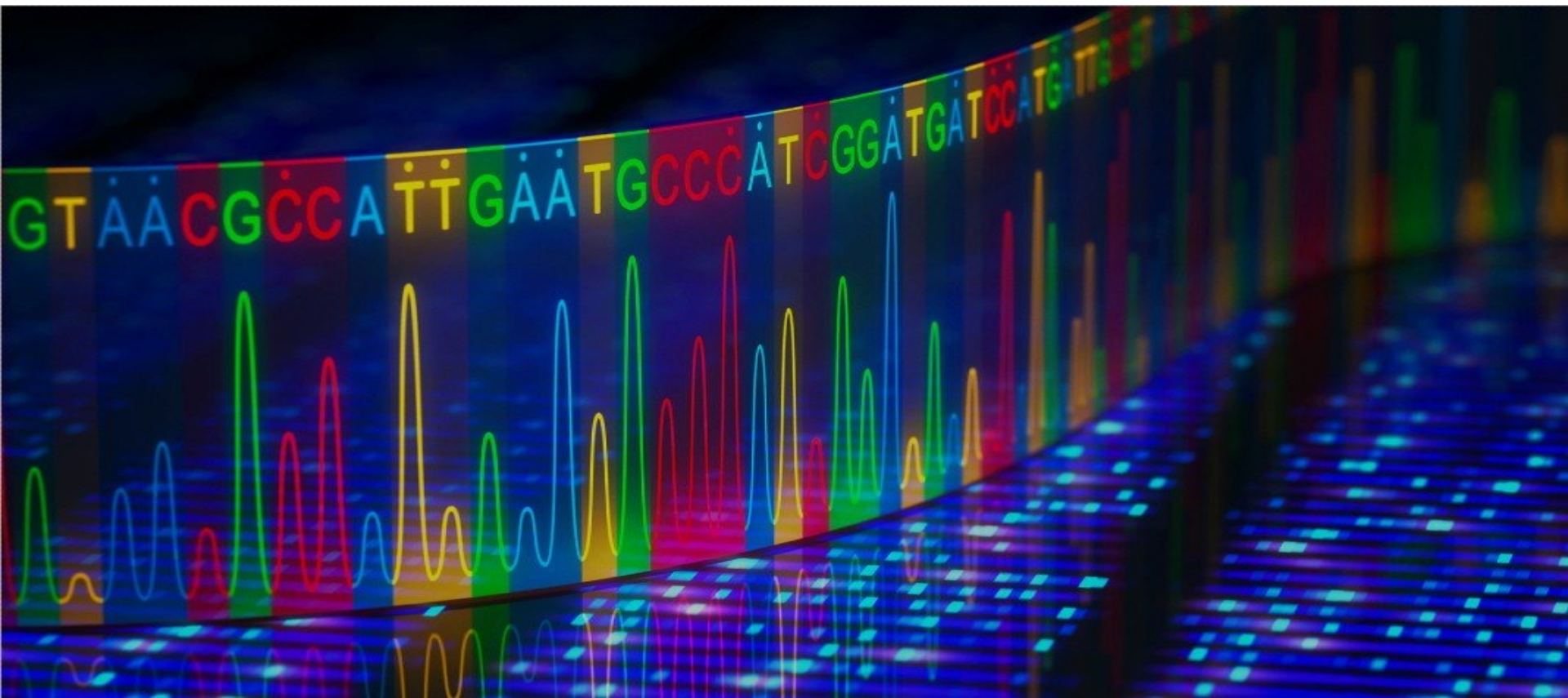
## General genome information

- Genome size of 709 Mbp
- N50 contig length = 6145 bp
- N50 scaffold length = 178 362 kb



# Sequencing method

- Illumina sequencing



- Thank you for listening