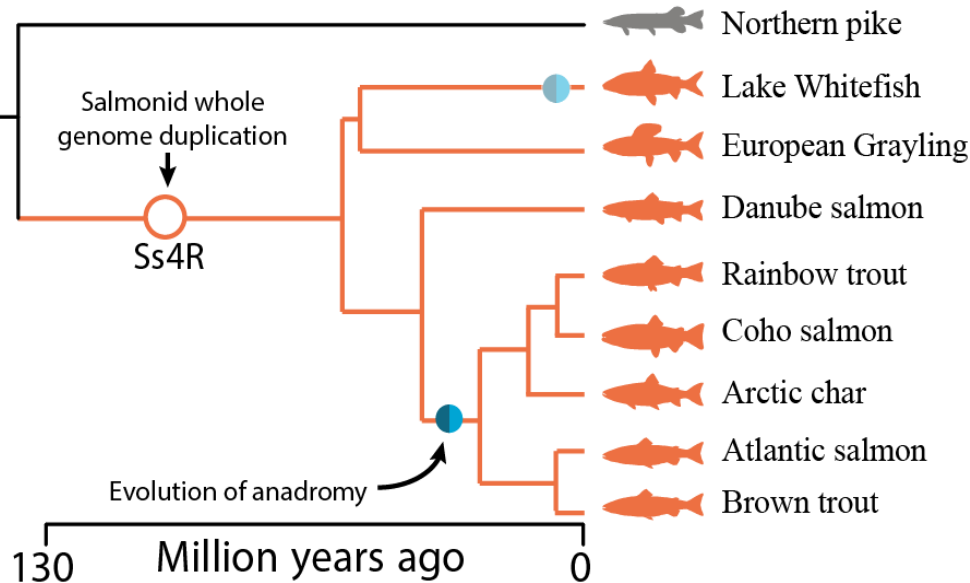


Functional Annotation of All Salmonid Genomes (FAASG)

Opportunities

Develop comparative data sets to understand how genome functions evolve after whole genome duplication events in vertebrates and how genomic variation and expression translates into phenotypes

Develop new approaches and resources to facilitate the creation of solutions that enhance sustainable salmonid fisheries, conservation and aquaculture production worldwide

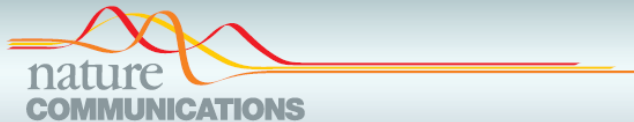


Approach: Coordinate the international salmonid community to acquire, standardize and share data for comprehensive mapping and characterization of the functional elements of salmonid genomes.



The Atlantic salmon genome provides insights into rediploidization

Sigbjørn Lien¹, Ben F. Koop², Simen R. Sandve¹, Jason R. Miller³, Matthew P. Kent¹, Torfinn Nome¹, Torgeir R. Hvidsten^{4,5}, Jong S. Leong², David R. Minkley², Aleksey Zimin⁶, Fabian Grammes¹, Harald Grove¹, Arne Gjuvsland¹, Brian Walenz³, Russell A. Hermansen^{7,8,9}, Kris von Schalburg², Eric B. Rondeau³, Alex Di Genova^{10,11}, Jeevan K. A. Samy¹, Jon Olav Vik¹, Magnus D. Vigeland¹², Lis Caler³, Unni Grimholt¹³, Sissel Jentoft¹⁴, Dag Inge Våge¹, Pieter de Jong¹⁵, Thomas Moen¹⁶, Matthew Baranski¹⁷, Yniv Palti¹⁸, Douglas R. Smith^{19,20}, James A. Yorke⁶, Alexander J. Nederbragt¹⁴, Ave Tooming-Klunderud¹⁴, Kjetill S. Jakobsen¹⁴, Xuanting Jiang²¹, Dingding Fan²¹, Yan Hu²¹, David A. Liberles^{8,9}, Rodrigo Vidal²², Patricia Iturra²³, Steven J. M. Jones^{24,25}, Inge Jonassen²⁶, Alejandro Maass^{10,11}, Stig W. Omholt²⁷ & William S. Davidson²⁵



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The rainbow trout genome provides novel insights into evolution after whole-genome duplication in vertebrates

Camille Berthelot^{1,2,3,4,5}, Frédéric Brunet^{6,*}, Domitille Chalopin^{6,*}, Amélie Juanchich^{7,*}, Maria Bernard^{4,8}, Benjamin Noël⁴, Pascal Bento⁴, Corinne Da Silva⁴, Karine Labadie⁴, Adriana Alberti⁴, Jean-Marc Aury⁴, Alexandra Louis^{1,2,3}, Patrice Dehais⁹, Philippe Bardou⁹, Jérôme Montfort⁷, Christophe Klopp⁹, Cédric Cabau⁹, Christine Gaspin^{10,11}, Gary H. Thorgaard¹², Mekki Boussaha⁸, Edwige Quillet⁸, René Guyomard⁸, Delphine Galiana⁶, Julien Bobe⁷, Jean-Nicolas Volff⁶, Carine Genêt⁸, Patrick Wincker^{4,13,14}, Olivier Jaillon^{4,13,14}, Hugues Roest Crollius^{1,2,3} & Yann Guiguen⁷

Toronto Workshop, June 13-14, 2016

- **Objective:** Discuss opportunities for an international collaboration afforded by the **availability of reference salmon genomes**
- **Format:** Participants from 19 institutions in ten countries including researchers and funding agency representatives
 - Set the scene 'state of salmonid research'
 - FAANG overview
 - Round Table: Towards a functional annotation of salmonids initiative (FAASG)
- **Next Steps:**
 - Workshop Summary Report and White Paper
 - Testing of core assays
 - Engagement with FAANG and salmonid community
 - Workshop on margins of PAG (2017)



FAASG pilot

Atlantic salmon



Rainbow trout



- **ATAC-seq**
- **ChIP-seq**
- **RNA-seq**
- Analyses of data

UK contacts

Ross Houston

Sam Martin

Roslin Institute, Edinburgh

University of Aberdeen

IF YOU WISH TO BE INVOLVED GOTO THE WEB SITE OR CONTACT ONE OF US.

www.faasg.org

