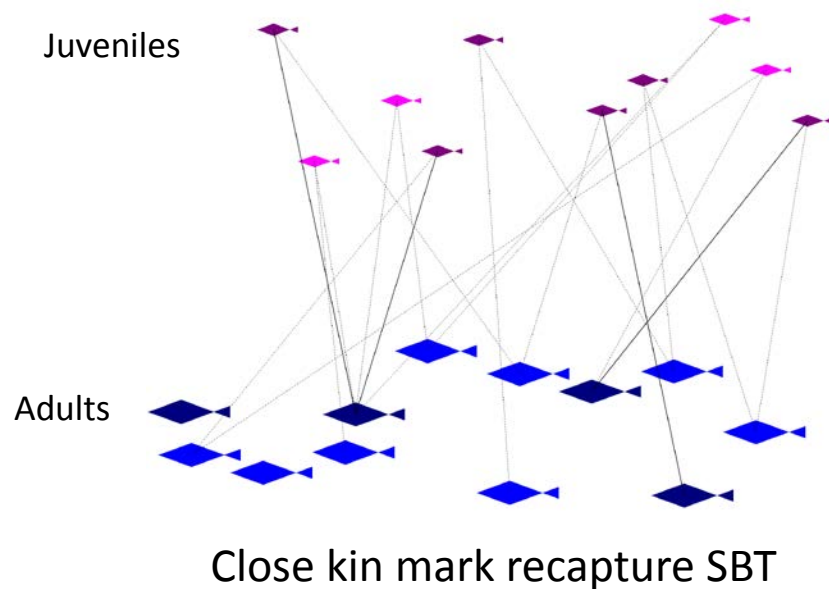


Next Generation Sequencing for Marine Resource Management & Biodiversity Conservation - Oceans & Atmosphere + Data61

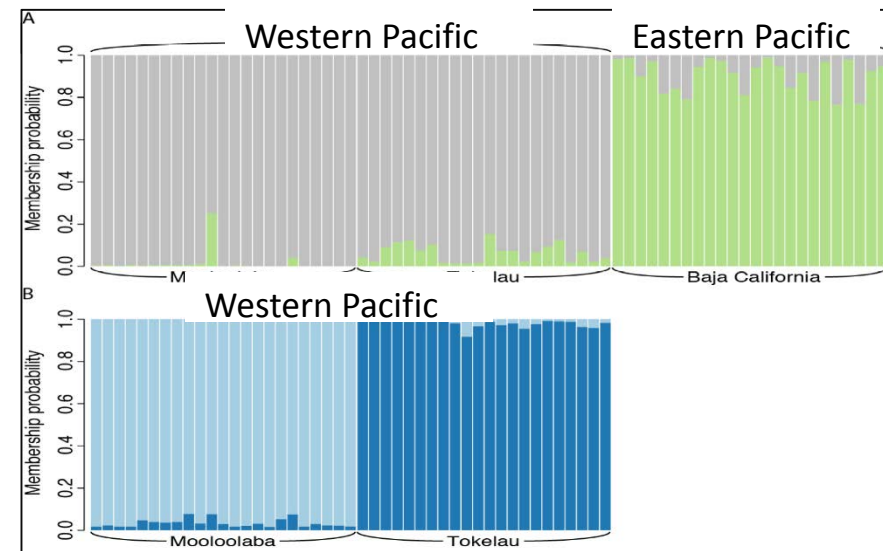
- Application of close kin genetics to estimating status of threatened species.
- SNPs genotyping for stock structure, provenance and chain of custody.

A collaboration between Oceans & Atmosphere and Data61 BU's

- **Oceans and Atmosphere BU:** Sampling, field trials and genotyping
- **Data61:** Cutting-edge statistical, modelling and estimation methods



Discrete pan-Pacific yellowfin tuna



Aquaculture Partnership: Oceans & Atmosphere + Data61 + Agriculture

- Fish bio-loggers to record fish heart rate, temperature and activity as proxies for animal health.
- Oyster bio-loggers to record heart rate, temperature, gape, light level and pressure

A collaboration between Agriculture, Data61, and Oceans & Atmosphere BU's:

- **Agriculture BU:** Client knowledge, and critical biological expertise
- **Oceans and Atmosphere BU:** Instrumentation and electronics design, software, data telemetry and marine instrumentation experience
- **Data61:** Data integration, synthesis and analysis, web-publication and algorithms

First generation Oyster biollogger

Fish biollogger

