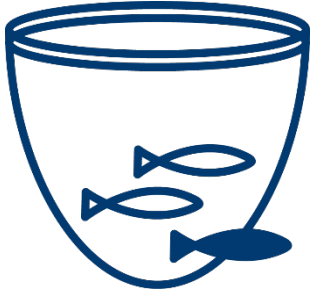


Traceability Package for Fish



Blue Analytics' advanced traceability package allows fish farmers to trace salmon using whole-genome genotyping. This method is highly sensitive and can determine the biological relationship between two individuals with very high accuracy.

Whether for investigations of escape events, internal production control, or regulatory requirements, our method provides precise genetic analyses for a more sustainable aquaculture industry. By agreement, we can also conduct traceability for other species such as trout and cod.

The Traceability Package Includes:

- **Sampling Kit** – Simple and user-friendly kits for collecting tissue samples (e.g., fin clips, scales), with clear instructions for sampling and shipping.
- **DNA Extraction and Genotyping** – Precise molecular methods for genetic profiling, performed using genotyping tools (SNP chips).
- **Population Genetic Analyses** – Identification of cage origin based on exclusion probability, indicating which cages the fish could not have originated from.
- **Genomic Kinship Analyses** – Calculation of genetic relationships between individuals and comparison with recaptured escaped fish.
- **Detailed Report and Insights** – Comprehensive results with visual data, including exclusion probability, strain differentiation, and analysis of possible origins.

Applications:

- Rapid identification and follow-up of escape incidents
- Internal control and verification of broodstock and production lines
- Quality assurance of traceability programs
- Measurement of genetic variation and population dynamics

Confidentiality:

Blue Analytics follows strict data security and confidentiality guidelines. The genetic profiles of the fish are used exclusively for the specific traceability case and are not used for research or other purposes outside the agreed project.