



Benchmark[®]
Genetics

Benchmark Genetics Genotyping Services

High-quality SNP genotyping to power
breeding and selection decisions

What the service answers

Breeding decisions depend on knowing which animals to select. Our extensive SNP array portfolio offers high-quality panels for over 30 aquaculture species.

These panels have been expertly designed and validated to produce robust, high-quality genotyping data, helping clients achieve the best outcome for their breeding programmes and selection goals.

The value for your business

Genomic selection

Identifying the best breeding candidates to accelerate genetic gain.

Parentage assignment

Identifying family relationships to improve pedigree records and breeding decisions.

Population diversity

Monitoring genetic diversity and managing inbreeding to support sustainable programmes.

**Robust, validated SNP panels designed
to give producers confidence in every selection decision.**

**Benchmark Genetics
is committed to delivering
a high-quality, robust
genotyping service for
every client. Contact
[genotyping.services
@bmkgenetics.com](mailto:genotyping.services@bmkgenetics.com)
to learn more.**

A comprehensive, all-inclusive genotyping service

Complementing our expertly designed SNP
genotyping panels for over 30 aquaculture species.

- 1 Sample numbers**
Multiples of 384.
- 2 Sample types accepted**
Tissue (pleopods, fin clips, fish scales, mantle) and DNA.
- 3 Turnaround time**
4–5 weeks after sample receipt.
- 4 Data format**
Plink files and QC summary.
- 5 Client portal & personalised support**



For further information
about our genetics services,
please scan the QR code

Benchmark Genetics Genotyping Services

Onboarding, deliverables
and commercial structure

How to get started



Execution in 3 simple steps

Input

Tissue (pleopods, fin clips, fish scales, mantle) or DNA samples, submitted in multiples of 384.

Assessment

Samples are run on Benchmark Genetics' validated SNP arrays by our expert team.

Roadmap

Results delivered as Plink files and a QC summary via a dedicated client portal.

1

Samples received

Client submits tissue or DNA samples in multiples of 384 to the sample type most practical.

2

Processing and genotyping

Benchmark Genetics processes samples on expertly designed and validated SNP arrays.

3

Data delivery

Plink files and a QC summary are delivered 4–5 weeks after sample receipt. Dedicated client portal access to download data at any time.

What the client receives

Genomic selection

Improve or implement breeding programme genomic selection.

Inbreeding monitoring

Monitor inbreeding levels whilst maintaining robust, sustainable populations.

Genetic gain & productivity

Recognise and maximise potential for genetic gain and productivity.

Disease resilience

Strengthen disease resilience through more informed breeding decisions.

Commercial structure

Level	Main use	Model	Indicative price logic
Genotyping service	Per-sample genotyping, species- and volume-dependent	Per sample	On request