



Benchmark[®]
Genetics

Benchmark Genetics Shrimp Genotyping Service

What the service answers

Shrimp producers face ongoing challenges from disease outbreaks, variable production performance, climate change, rising input costs and increasing demands for sustainability.

Genotyping is a powerful tool to support breeding and stock management, helping producers 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.

Two expertly designed, high-quality shrimp SNP panels, validated to produce robust genotyping data for selection decisions.

Genotyping, combined with our leading genotyping service, gives shrimp producers expertise and support for a wide range of operational goals.

Contact genotyping.services@bmkgenetics.com to learn more.

Two high-quality shrimp SNP panels

Part of our extensive SNP array portfolio, complementing a comprehensive all-inclusive genotyping service.

- 1 Whiteleg shrimp**
Litopenaeus vannamei
— approximately 43,000 SNPs.
- 2 Tiger prawn**
Penaeus monodon
— approximately 5,400 SNPs.
- 3 Sample numbers & types**
Multiples of 384. Tissue (pleopods) or DNA accepted.
- 4 Turnaround time & data format**
4–5 weeks after sample receipt.
Plink files and QC summary.
- 5 Client portal**



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

How to get started



Execution in 3 simple steps

Input

Tissue (pleopods) or DNA samples, submitted in multiples of 384.

Assessment

Samples are run on Benchmark Genetics' validated Whiteleg shrimp or Tiger prawn SNP arrays.

Roadmap

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

1

Samples received

Client submits tissue (pleopods) or DNA samples in multiples of 384.

2

Processing and genotyping

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

3

Data delivery

Plink files and a QC summary 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
Shrimp genotyping service	Per-sample genotyping, panel- and volume-dependent	Per sample	On request