



Benchmark[®]
Genetics

Benchmark Genetics Technical Breeding Services

Breeding programme design,
review and operational support

What the service answers

Breeding programmes create long-term value, with success depending on the right programme design, data structure, selection methods, mating strategy, broodstock management and operational execution.

Benchmark Genetics provides expertise across the full breeding programme lifecycle: from technical review and genetic audit to broodstock assessment, programme design, implementation support, training and long-term improvement.

The value for your business

Genetic gain

Optimize genetic gain while preserving long-term genetic potential.

Sustainability & security

Protect genetic diversity and reduce inbreeding risk.

Operational clarity

Prioritised recommendations and a clear roadmap.

A technical service connecting broodstock, data, selection, mating, genomics and operations into one actionable breeding programme plan.

Technical breeding services can be delivered as standalone assessments or combined into a broader genetic services platform with genotyping, bioeconomic analysis, data support and training.

A service platform with five technical solutions

Start with a targeted assessment or build toward full breeding programme support.

- 1 Technical Review**
Independent review of programme operations, genetic audit, genetic evaluations and genotyping strategy to identify improvement opportunities.
- 2 Genetic Audit - Existing Programmes**
Assessment of genetic diversity, inbreeding, pedigree structure, relatedness and population structure for long-term sustainability.
- 3 Broodstock Assessment - New Programmes**
Evaluates founder or candidate broodstock genetic quality and genetic ability to start or restructure a selective breeding programme.
- 4 Conventional Breeding Programme Design & Support**
From mass to family-based pedigree designs: customized breeding strategies with implementation support, data management and continuous programme improvement.
- 5 Advanced Genomic Breeding Programme Design & Support**
For molecular programme designs: customised breeding strategies with implementation support, genotype & array development, data management and continuous improvement.



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



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Onboarding, deliverables and
commercial structure

How to get started



Execution in 3 simple steps

Input

Broodstock origin, selection history, trait priorities, pedigree, operational workflows and performance data — shared to whatever level the client is comfortable with.

Assessment

Technical review of programme design, data collection, selection methodology, mating strategy and genetic sustainability.

Roadmap

Prioritised recommendations, implementation plan and optional long-term technical support.

1

Input file and questionnaire

Client shares the genetic, production and operational information they have available and comfortable providing.

2

Technical review and analysis

Benchmark reviews data, workflows, traits, gains and breeding design.

3

Report and executive output

Technical assessment report, prioritised roadmap and recommended next steps. Executive digital dashboard with key KPI's.

What the client receives

Independent programme baseline

Assessment of programme design, data structure, genetic progress, workflows and key limitations.

Practical improvement roadmap

Prioritised actions to improve genetic gain, operational execution and long-term sustainability.

Genetic health and sustainability view

Diversity, inbreeding, relatedness, pedigree and population structure to support nucleus management.

Optional integrated solution

Combine breeding support with genotyping, bioeconomic modelling, data management and training.

Commercial structure

Level	Main use	Model	Indicative price logic
Technical Review / Genetic Audit	Existing programme assessment	Per project	On request
Broodstock Assessment	New programme readiness	Per project	On request
Breeding Programme Design & Support	Design plus operational support	Project / annual	On request
Training & Capacity Building	Team capability transfer	Workshop / bundled	Scope-dependent
Integrated Technical Breeding Partnership	Long-term technical partner	Multi-year / strategic	Scope-dependent