

CATTLE GENOMICS: YOUR BLUEPRINT TO HERD EXCELLENCE

Diagen Biyoteknoloji can now bring the power of genomic evaluations for herd improvement to Turkey's cattle breeders through the power of Eurofins Genomics and Breedi.

Enhance your cattle breeding with genomic insights to unlock the potential of your herd

As a cattle breeder, are you searching for ways to ensure your herd grows in value? Wondering how to make the right breeding decisions without all the guesswork? Dreaming of a more profitable farm? With genomic evaluations, this becomes easy. fer solutions to a broad range of aquaculture organisations to support them increase productivity and safety.



How do genomic evaluations work?

Think of your cattle's DNA like the blueprint for building a sturdy barn. Genotyping, in simple terms, is like inspecting the blueprint to find the best materials and designs for building a stronger, more productive barn.

With genotyping, we take a close look at your cattle's genetic makeup. We identify the genetic traits that make your cattle healthier, more productive and more valuable – just like selecting the finest materials for constructing your barn.

Using this genetic insight is like knowing which de-

sign will keep your barn standing through the harshest storms. Genomic selection takes the animal's genotypes and helps you choose the right „blueprint“ for breeding, so you can grow a herd that's not only more resilient but also more profitable. For example, it's possible to select animals that will bear offspring with higher milk yield, great fertility, and easier to manage, all the while ensuring that inbreeding and inherited disorders are excluded.

All this is possible, and that's what we're here to help you achieve.

What we offer:

- **Advanced Genotyping:** Through Eurofins Genomics' advanced genotyping platforms, we can quickly and accurately map your herd's genetic potential.
- **Genomic Evaluations with Precision:** Breedi's intuitive digital platform lets you effortlessly manage your data, putting the power of genetics at your fingertips, ensuring you make informed breeding decisions.
- **Custom Breeding Strategies:** Utilize powerful yet simple analytics tools to design the best breeding strategy tailored to your long-term goals.

Why choose us?

- **Increase Farm Profitability:** Maximize the genetic potential of your herd, ultimately leading to higher yields and profits.
- **Enhanced Breeding Efficiency:** Precision breeding leads to reduced costs and improved herd quality – only select the best animals for future generations
- **Data-Driven Decisions:** Make informed choices based on genomic data, reducing guesswork and risk.
- **Long-Term Success:** Invest in the future of your farm by securing the genetic health and productivity of your herd.
- **Full Support from Diagen:** On farm and online, we are here to support your breeding goals every step of the way.

Depending on your budget and goals, we can offer two different levels of services for cattle breeders who wish to apply the power of genomic-based selection to their herd.

Our Report offers a quick evaluation to help make decisions regarding which animals to cull and which to keep for breeding the next generation.

For more advanced strategies, the Digital Platform enables access to all the mating tools, bull analytics and pedigree analysis features from Breedi (<https://breedi.app/>). Here, it is possible to design a tailored breeding strategy to incorporate advanced technologies such as artificial insemination and embryo transfer to accelerate genetic gain within your herd.



Feature	Report	Digital Platform
Best for:	Making quick decisions to select animals for culling or breeding	Developing a tailored breeding program for long-term profitability goals
Genomic evaluation	Council for Dairy Cattle Breeder's Quick Turnaround Genomic Prediction	Breedi full genomic evaluation
Format	Summary.pdf	Online platform: full feature access
Economic indices	6	6
Traits	15 (customisable from CDCB list) + 4 additional production traits	52
Milk protein marker	4	4
Disease markers	17	17
Inbreeding check by genotypes	Yes	Yes
Pedigree analysis	No	Yes
Progeny estimation	No	Yes
Mating tools (breeding program)	No	Yes
Bull analytics	No	Yes



Join the ranks of successful cattle breeders who've unlocked the power of genomics by taking the first step towards a more profitable and sustainable future for you and your farm. Powered by Eurofins Genomics and Breedi

