BREEDPLAN Select

Commercial Genomics

BIF 2024

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About BREEDPLAN

The world's most widely used livestock genetic evaluation

First genetic evaluation for beef cattle

Developed by researchers at the University of New England in Australia

Primary focus on the seedstock sector

Initially used pedigree and phenotypes

Launched single-step genomic evaluation in 2017

Used by over 100 breed associations worldwide

Has been instrumental in delivering genetic gain globally.

BREEDPLAN

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But for commercial ranchers…

Like most cattle genetic evaluations BREEDPLAN only helps seedstock producers attain gain across their breeding herd.

BREEDPLAN and other similar evaluations help commercial ranchers buy the right bull.

They do not provide the full genetic picture

The barrier to entry with data collection and pedigree requirements are not suited for the needs of commercial ranchers.

Guesswork and subjective selection decisions leave commercial ranchers at a disadvantage in genomics.

Commercial ranchers often struggle with interpreting data and results.

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BREEDPLAN Select

Aimed at the specific needs of the commercial rancher to complete the genetic picture of their herd with a low-density chip DNA test.

Allows for selection decisions based on

Better carcass performance

Higher Growth Rates

Increase Fertility

Launching in 2024 with

HEREFORDS Australia

Genotypes by

NEOGEN®

Available to most single-step breeds.
Crossbred option coming soon.

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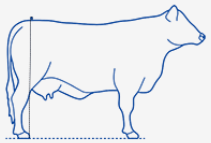
Seedstock

Pedigree Data

Phenotypic Data



Single Step

Genotypic Data

Black Box

BREEDPLAN

EPDs / EBVs

February 2024 Hereford BREEDPLAN

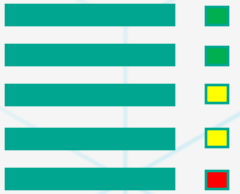
	Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Mat Cow Wt (kg)	Milk (kg)	Scrotal Size (cm)	Days to Calving (days)	Carcase Wt (kg)	Eye Muscle Area (sq cm)	Rib Fat (mm)	Rump Fat (mm)	Retail Beef Yield (%)	IMF (%)	Docility	NFI-F (kg/day)
EBV	+7.6	+4.1	-0.3	+2.4	+34	+61	+77	+56	+17	+2.5	-6.9	+62	+5.8	+2.1	+3.4	+0.5	+1.0	+35	-
Accuracy	44%	36%	72%	71%	68%	67%	68%	60%	54%	67%	40%	55%	48%	53%	57%	48%	55%	44%	-
Breed Avg. EBVs for 2022 Born Calves Click for Percentiles																			
EBV	+2.1	+2.2	-1.1	+4.5	+36	+59	+83	+71	+17	+2.3	-2.7	+55	+4.5	+0.7	+0.9	+1.0	+0.8	+3	-0.01

Commercial

SNP Data
(Low density chip)

Prediction Equations

DGVs



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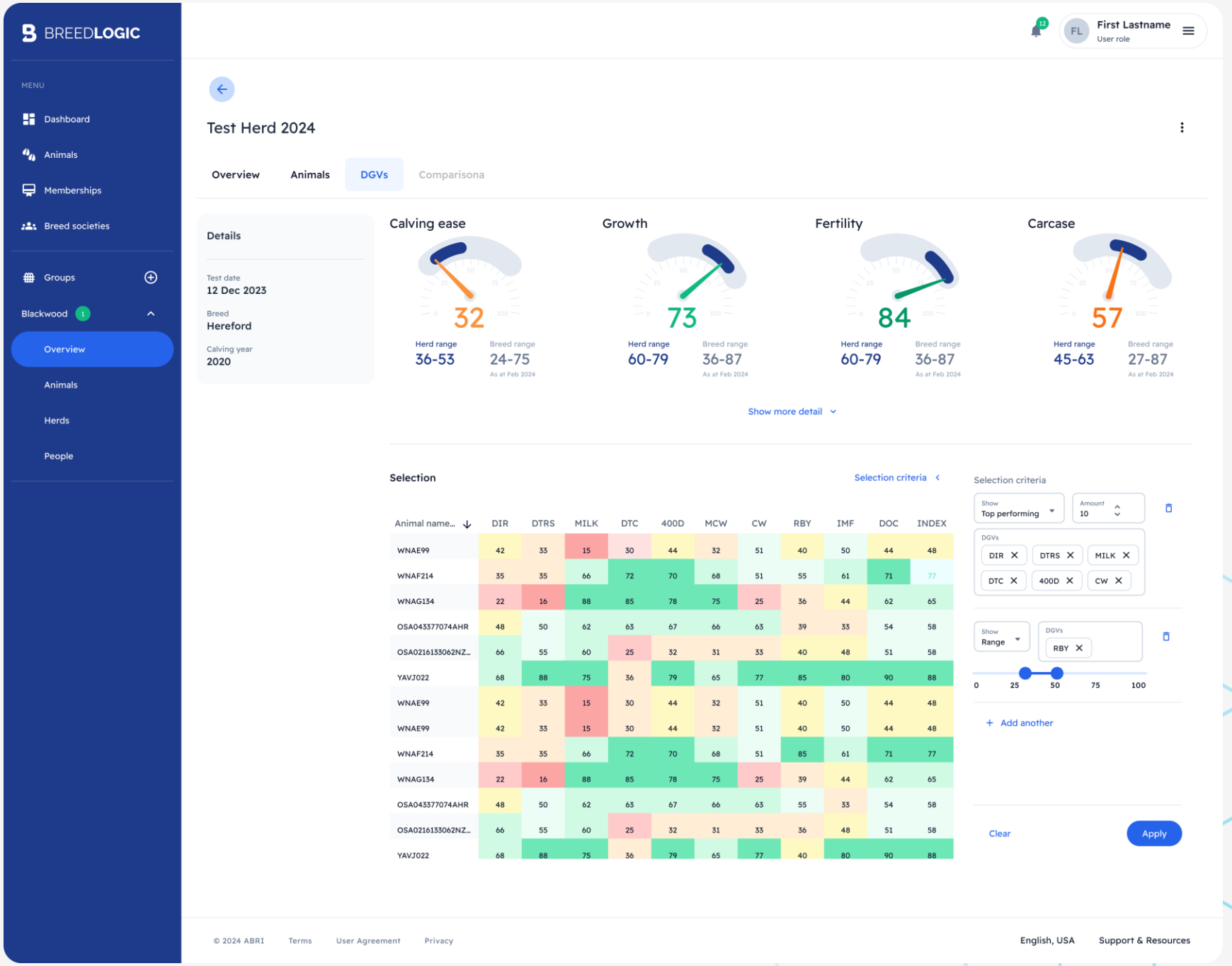
Simplified Data Visualizations & Insights



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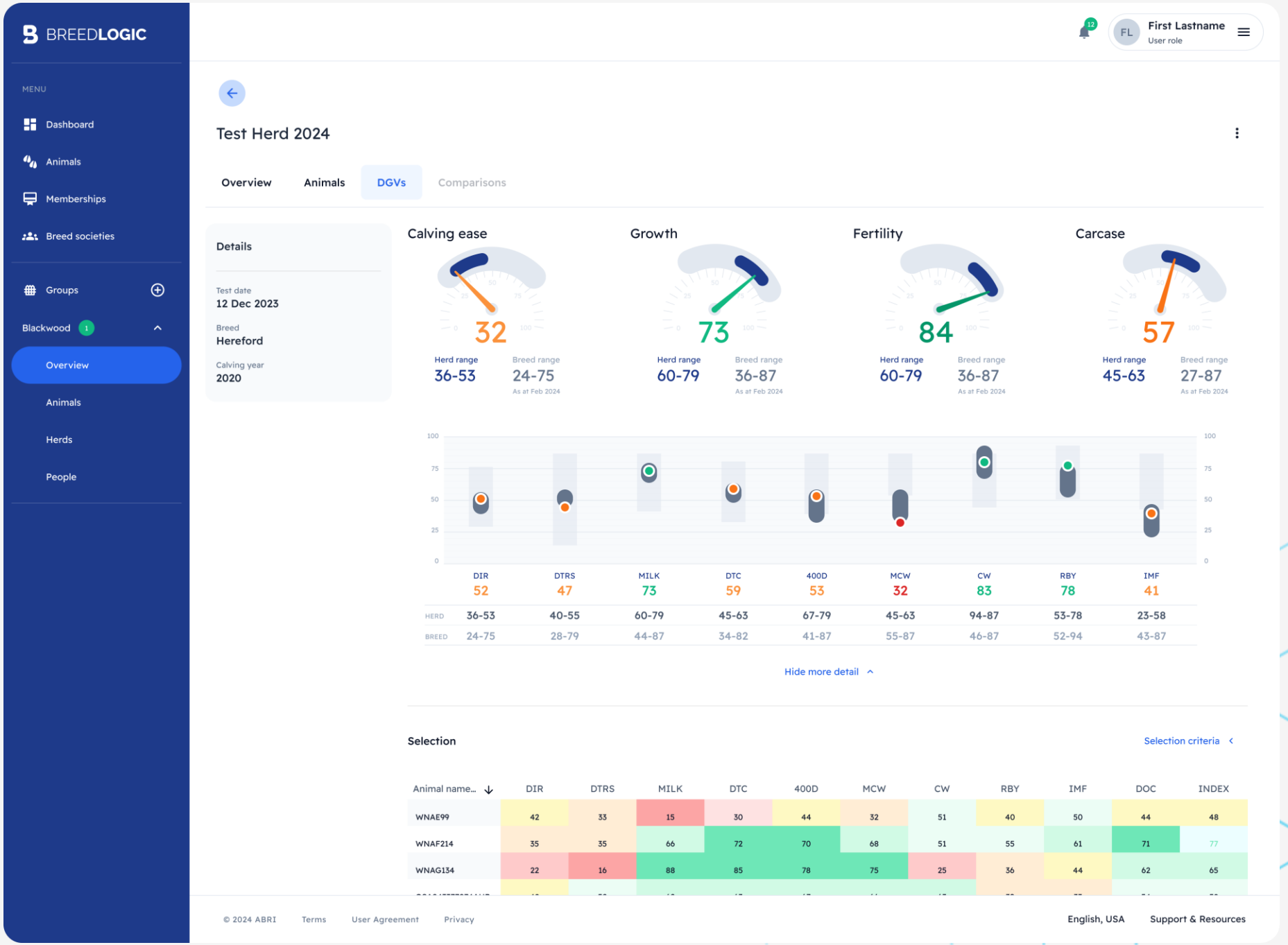

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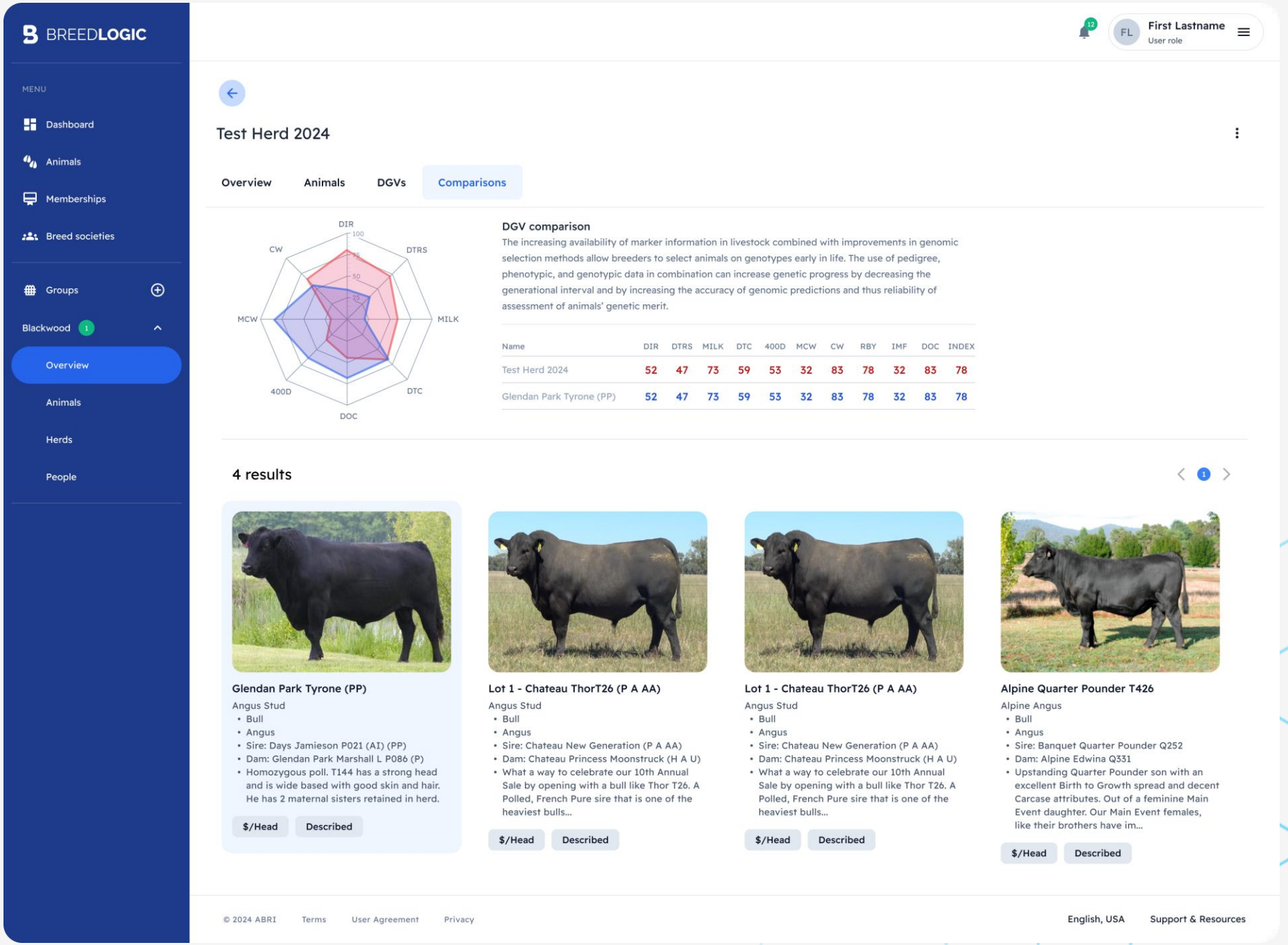
Comparison tool For animal Selection and Purchasing Decisions



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Questions?