



BreedSeek

Precision Breed Verification for Cattle

Leverage greater profitability for your operation with BreedSeek, powered by Neogen®. As the most robust cattle breed genomic test available for producers, BreedSeek delivers results for up to 20 breeds, verifying cattle breeds for specific marketing opportunities. This strategic approach allows producers to receive a premium or sell cattle in a specific channel, bringing more value to calves compared to standard market values. Using BreedSeek, producers are also able to manage breeding groups within the herd to maintain a desired level of breed representation.

Breed complimentary crosses and heterosis have been a common practice with commercial beef producers since the 1970s with the first research highlighting the benefits of F1 crosses completed in the early 1940s. Some of these breed crosses have become so popular that they are recognized by a specific name, or have even been established as a new breed, such as “Black Baldie,” “Smoky,” “SimAngus,” “BeefMaster,” and “Brangus.”

Breeds Included:

Angus, Akaushi, Ayrshire, Brahman, Brown Swiss, Charolais, Gelbvieh, Guernsey, Gyr (Gir), Holstein, Jersey, Limousin, Nelore, Piedmontese, Red Angus, Shorthorn, Simmental, South Devon, Wagyu

*Not all breeds included in BreedSeek are validated on Igenity® Beef

Benefits:

1. Manage breeding groups within the herd to maintain a desired level of breed representation
2. Market purebred beef from a certain breed directly to consumers and highlight benefits of the breed
3. Crossbreeding results in increased heterosis or hybrid vigor, leading to increased performance and genetic potential for:
 - Feed efficiency
 - Calf survivability
 - Longevity
 - Reproductive performance
 - Progress in lowly heritable traits¹
 - Can be used as a stand-alone test or as an add-on with Igenity Beef
 - Pair Igenity Beef with BreedSeek to verify breed composition and Envigor™ to manage heterosis.



¹R. A. Damon, W. R. Harvey, C. B. Singletary, S. E. McCraire, R. M. Crown, Genetic Analysis of Crossbreeding Beef Cattle, Journal of Animal Science, Volume 20, Issue 4, November 1961, Pages 849–857, <https://doi.org/10.2527/jas1961.204849x>

To learn more about BreedSeek and our other genomic testing services, visit: <https://www.neogen.com/categories/livestock-genetic-traits-conditions/breedseek/>



800-621-8829 • 859-254-1221 | [neogen.com](https://www.neogen.com)

Neogen Corporation, 620 Leshar Place, Lansing, MI 48912 USA.

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