

Importance of Maternal Lines

There is an art to breeding cattle. Despite the scientific advances that have been made with EBVs, EPDs, performance tests, DNA tests, and the rise of genomics, breeders still do not control or understand everything that occurs in breeding and genetics. An example of these uncontrollable and sometimes unexplainable interactions is how specific maternal lines exhibit superior traits in an area consistently from generation to generation (and weaknesses in the same pattern). The demonstration of superior traits by specific maternal lines whether it be for marbling, milk, growth, etc. occurs despite varying sire combinations and the breeder's best attempts at balanced or corrective breeding.

While breeders do not fully understand why these superior transmitting abilities occur, breeders should utilize this knowledge in their breeding strategies. Science has provided possible explanations for superior transmitting abilities such as mitochondrial DNA inheritance only coming from the dam, cytoplasmic inheritance theories, and epigenetics triggered in utero by the dam. Through wise investment in maternal lines that suit your production strategy and goals, breeders can reduce risk and maximize profit. The superior maternal lines featured in this catalogue include genetics from the Suzutani, Okutani, Kanetani, Hikokura, Chiyotake, Chisahime, Yuriko, Yasuyoshi, Hatsuhi, Aizakura, Akiko, Homare, Marunami, and Ume maternal lines. Careful research of these pedigrees will reveal the extreme depth and quality of the cattle organized here. This is a truly elite offering of foundation and next generation Wagyu genetics!



**World K's Suzutani: "Queen of the Breed"
Legendary for her superior transmitting ability**