

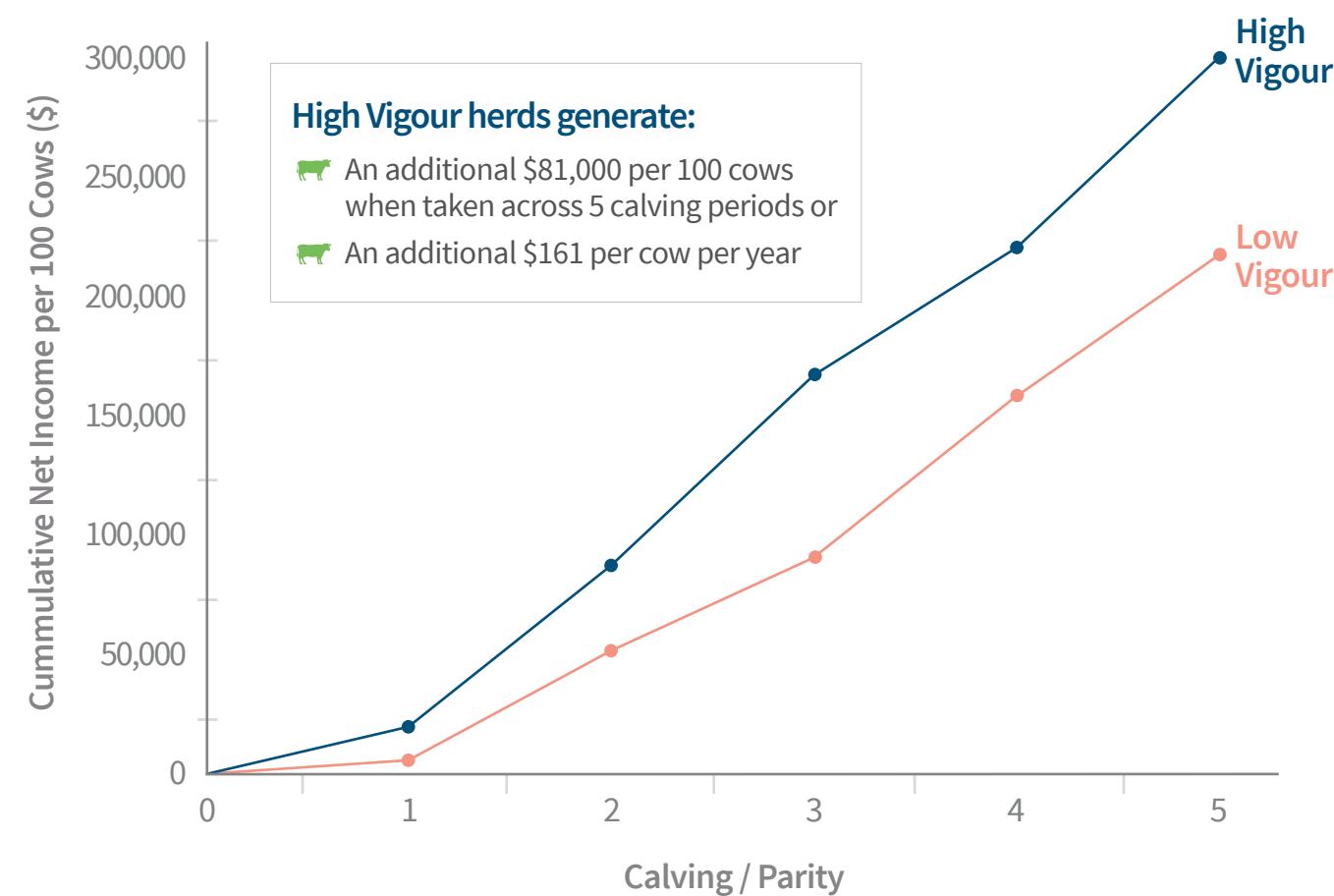
EnVigour HX™

High Vigour herds demonstrate:

- Higher fertility
- Lower cull rates as a result of:
 - Infertility
 - Failure to wean a calf
 - Performance issues post-weaning
 - Temperament
- More pounds of weaned calf per cow exposed
- Greater feed efficiency



Impact of Vigour on Net Income*



*Data from 412 replacement heifers born over 11 years and followed over 1050 matings and five parities. Basarab et al., Lacombe Research Centre.

EnVigour HX™



EnVigour HX™ Provides:

- Parentage Verification
- Genomic Breed Composition
- Assessment of Hybrid Vigour (Vigour Score)



780.492.2538

envigourhx@deltagenomics.com

www.deltagenomics.com



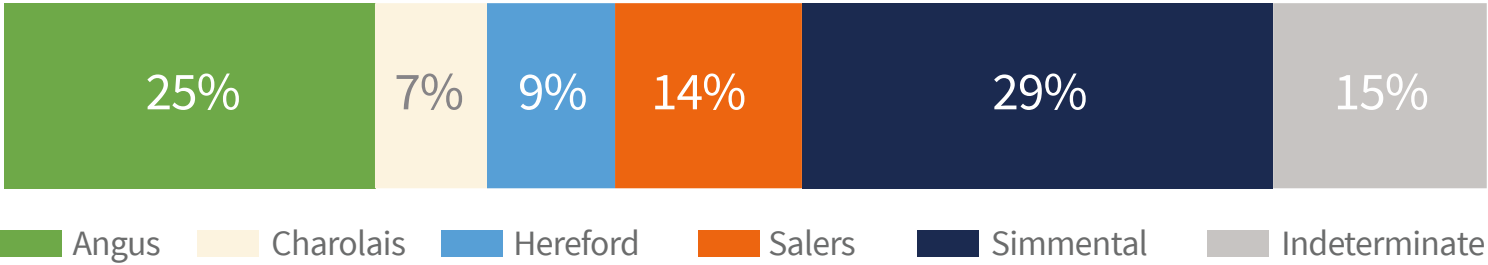
Hybrid Vigour (heterosis) is the tendency of a crossbred animal to deliver qualities superior to the average of both parents

High Vigour animals are more likely to produce more calves over their lifetime

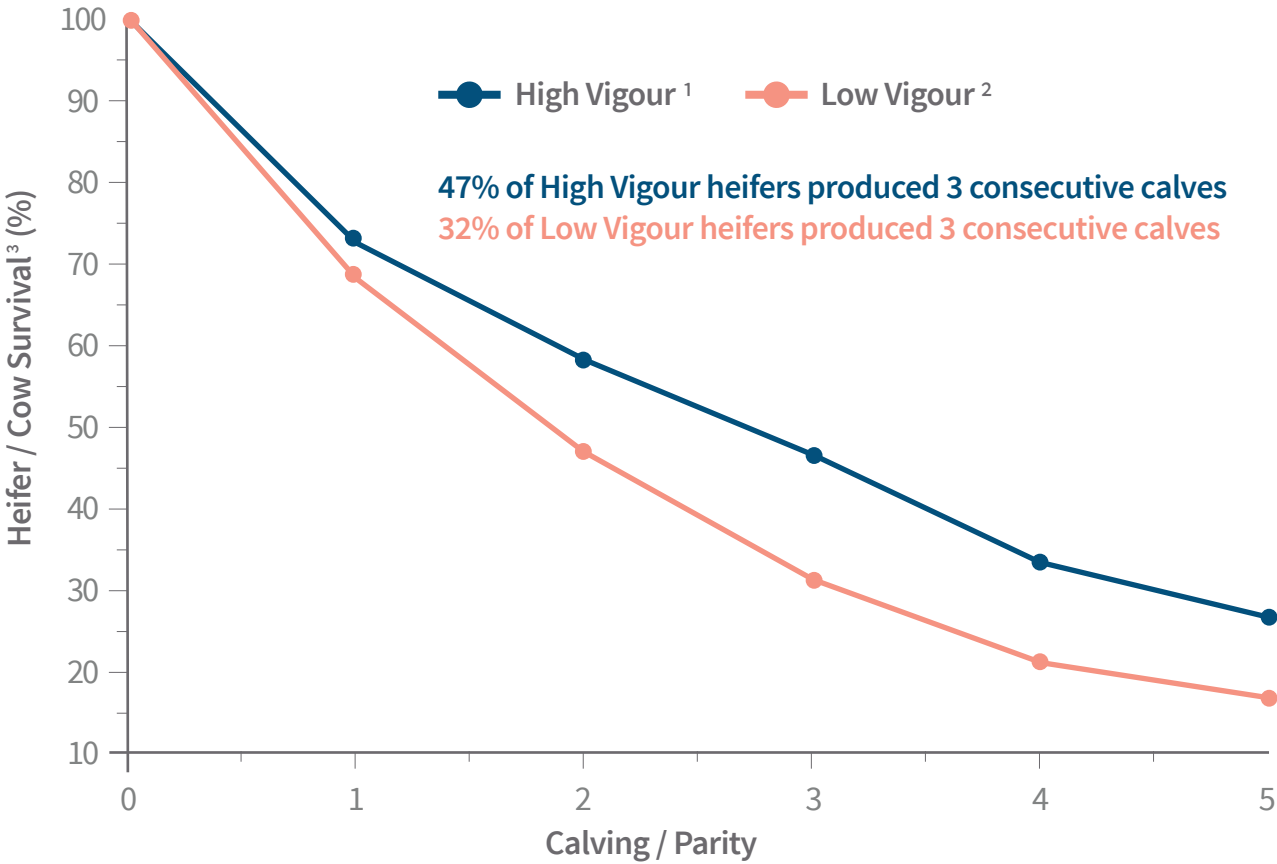
- Hybrid Vigour is positively related to lifetime productivity and improves
 - Lifetime production by 36%¹
 - Weaned calf weight by 20%²

EnVigour HX™
Vigour Score
74%

Breed Composition³



Vigour and Longevity in Crossbred Cows*



¹ Cundiff et al., 1992 ² Gregory et al., 1994 ³ Breeds currently identified via EnVigour HX™ are Angus, Charolais, Galloway, Gelbvieh, Hereford, Limousin, Maine-Anjou, Salers, Shorthorn, and Simmental

¹ Retained heterozygosity greater than 48.6% ² Retained heterozygosity less than or equal to 48.6% ³ Survival is defined as a female successfully having consecutive calvings *Data Source: See Page 4