




International Brangus Breeders Association

A Special Thanks To:
 Dr. Dorian Garrick, Iowa State University
 Dr. Milt Thomas, Colorado State University
 GeneSeek
 Zoetis

Brangus Genomic Resources Type of Genomic Data

<u>Source</u>	<u>Size</u>
BovineSNP50 (54,000 genotypes)	~800 Camp Cooley & NMSU heifers
BovineSNP50 (54,000 genotypes)	~63 AI sires for US-MARC-2,000 bulls
BovineSNP50 (54,000 genotypes)	~295 IBBA
BovineSNPHD (770,000 genotypes)	~250 IBBA/Geneseek
Total =	1408



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Trait	heritability	reliability
Birth weight	0.42	0.68±0.14
maternal Birth weight	0.15	0.48±0.16
calving ease	0.23	0.54±0.15
scrotal circumference	0.22	0.37±0.18
Weaning weight	0.24	0.60±0.14
maternal weaning weight	0.12	0.42±0.16

carcass fat thickness	0.26	0.28±0.10
carcass marbling score	0.35	0.24±0.096
carcass ribeye area	0.34	0.31±0.10
carcass weight	0.21	0.31±0.10
US fat thickness	0.35	0.53±0.19
US intramuscular fat	0.23	0.47±0.19
US ribeye area	0.39	0.56±0.19
US rump fat thickness	0.38	0.50±0.20
US scan weight	0.27	0.51±0.18

Genomic Enhanced EPDs

John Genho – Livestock Genetic Services

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