

## Objective

Assess physical & financial performance of dairy bred progeny from Holstein Friesian and Angus sires divergent in breeding value for carcass weight & conformation

24-month steer system

Two milk feeding treatments  
4 L/calf/day  
8 L/calf/day

Stocking rate: 2.7 LU/ha  
120 (12-24 months)  
120 (0-12 months)

**HIGH AA**

Sired by high carcass weight & conformation AA bulls

**Holstein Friesian**

Sired by top 4 EBI bulls

**LOW AA**

Sired by low carcass weight & conformation AA bulls

## Genetic merit of 2019 AA sires

Genotype (AI code)	Terminal Index	Calving traits		Carcass Performance		
		Calving difficulty (%)	Gestation length (days)	kg	Con	Fat
<b>High</b>	<b>€86</b>	<b>2.5</b>	<b>-1.8</b>	<b>11</b>	<b>0.87</b>	<b>0.47</b>
AA2037	€76	3.8	-2.9	10	0.55	0.48
AA4195	€78	1.8	-2.9	10	0.48	0.40
AA4375	€119	2.8	-1.5	21	1.19	0.39
RGZ	€66	2.5	-0.8	9	0.79	0.65
WZG	€90	2.8	-1.8	8	1.27	0.32
ZEP	€85	1.5	-1.1	8	0.95	0.57
<b>Low</b>	<b>€51</b>	<b>1.4</b>	<b>-2.4</b>	<b>-3.2</b>	<b>0.57</b>	<b>0.60</b>
AA2123	€61	2.4	-3.9	6	0.33	0.39
AA2259	€58	1.7	0.0	-2	0.76	0.77
JZJ	€61	0.8	-3.2	-1	0.68	0.68
KYA	€66	0.8	-4.8	-2	0.45	0.19
SYT	41	1.8	-1.5	-4	0.56	0.78
ZTP	19	0.7	-1.3	-16	0.61	0.81

**Provide improved direction for calf-to-beef production**

- Use of better beef genetics on the dairy herd
- Develop system parameters for a high output grass-based systems