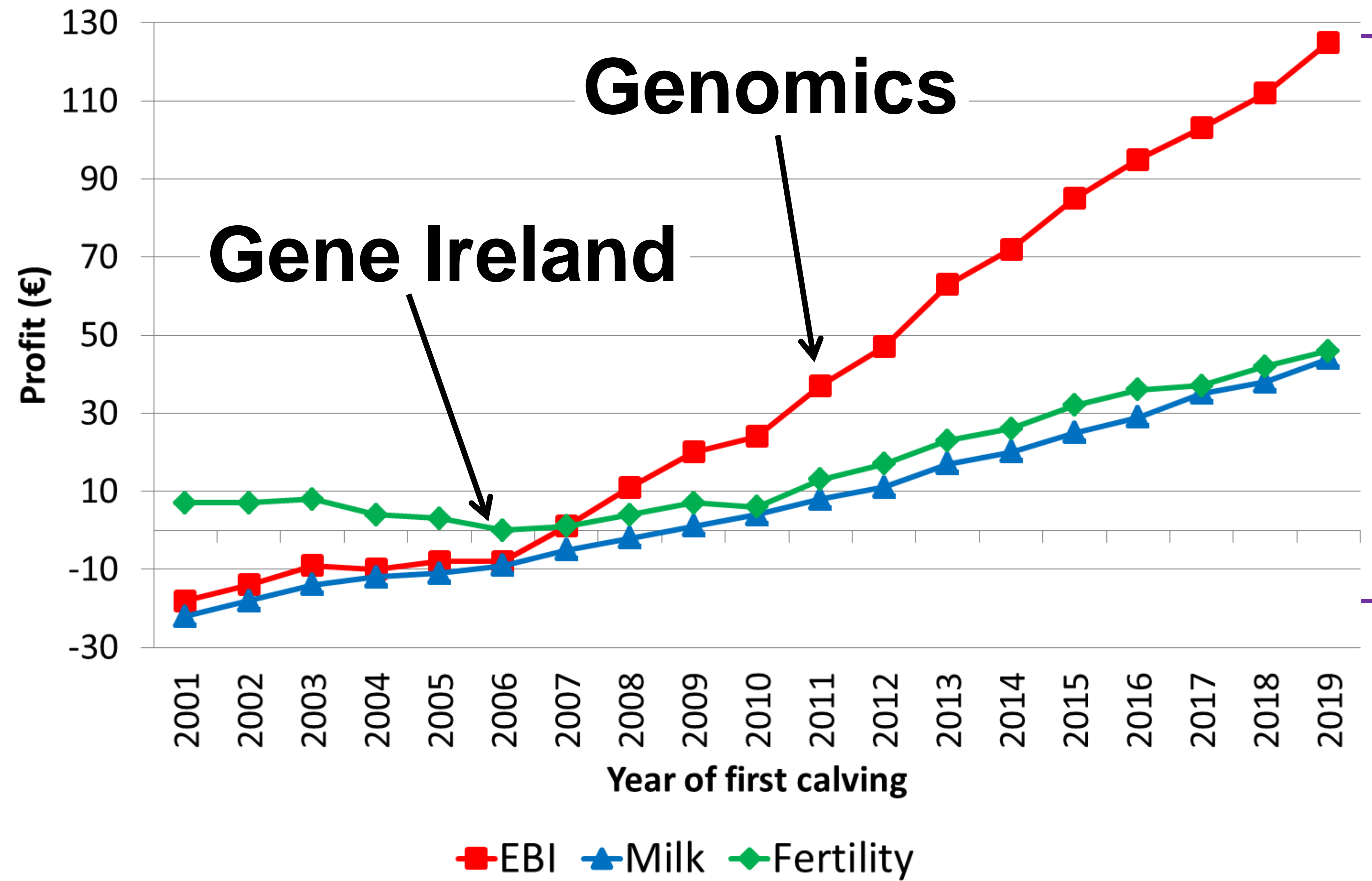


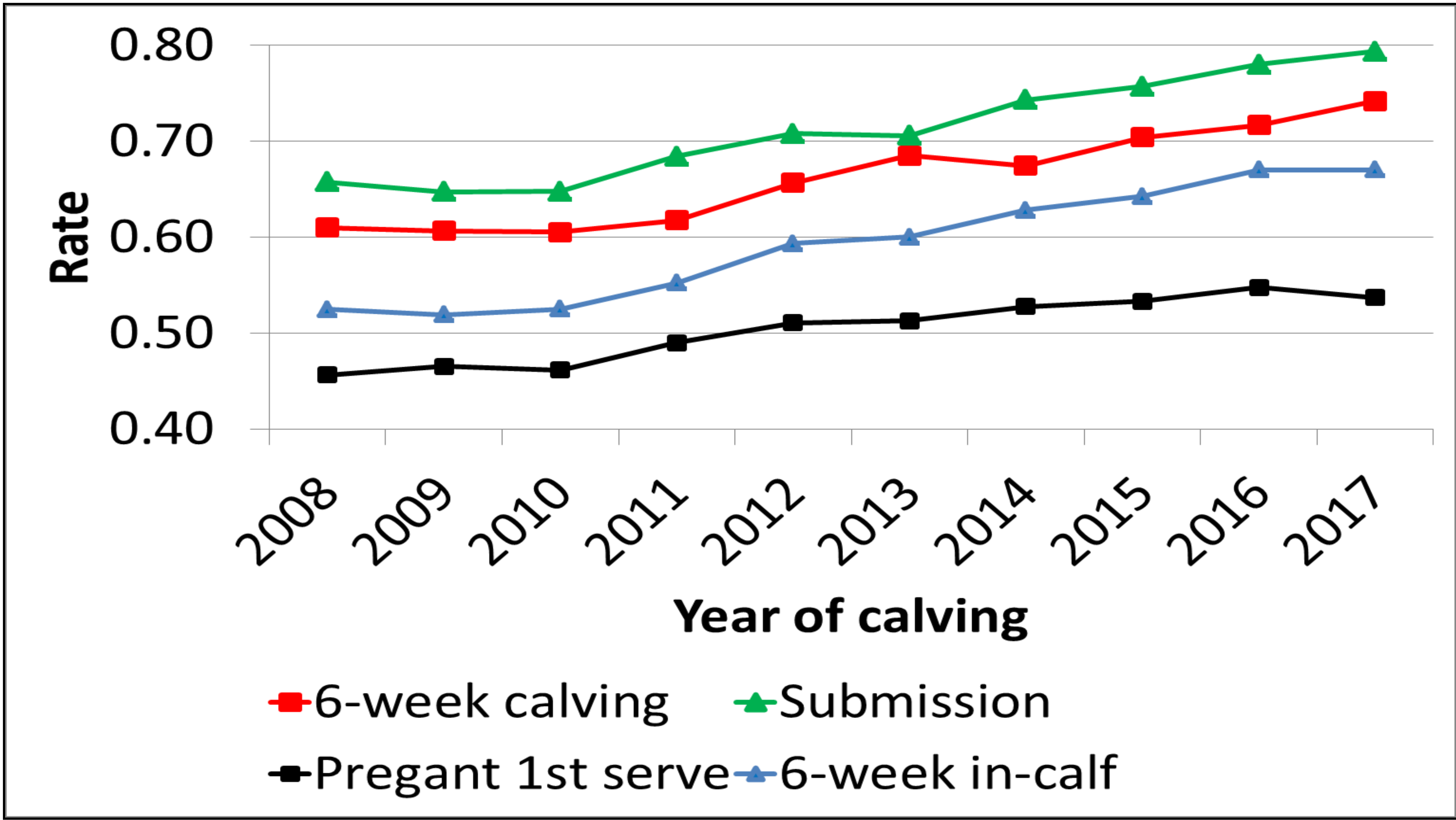
Genetic gain



Fertility target

€143

On the ground performance



- **Genomics is 16-35% more accurate**
- **14% less carbon per kg fat+protein kg**
- **Massive gains yet to be realised!!!**

Geno	EBI	Milk index	Fertility index	Fat + Protein (kg)	6-week in calf	Profit/ ha (€)
Elite	214	61	102	468	73	2,322
NA	110	38	39	434	58	1,709

Clear evidence of additional gains from crossbreeding with Jersey especially in the average herd

- what are the options?

Sexed semen & Dairy-beef

How many heifers do I need?



Conventional semen ~60% conception rate

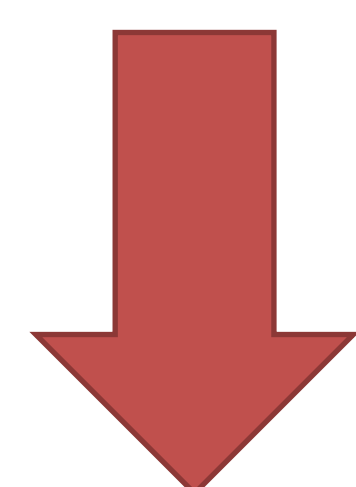
Sexed semen ~50% conception rate

25 heifers



83 Conv straws

56 sexed straws
27 beef straws

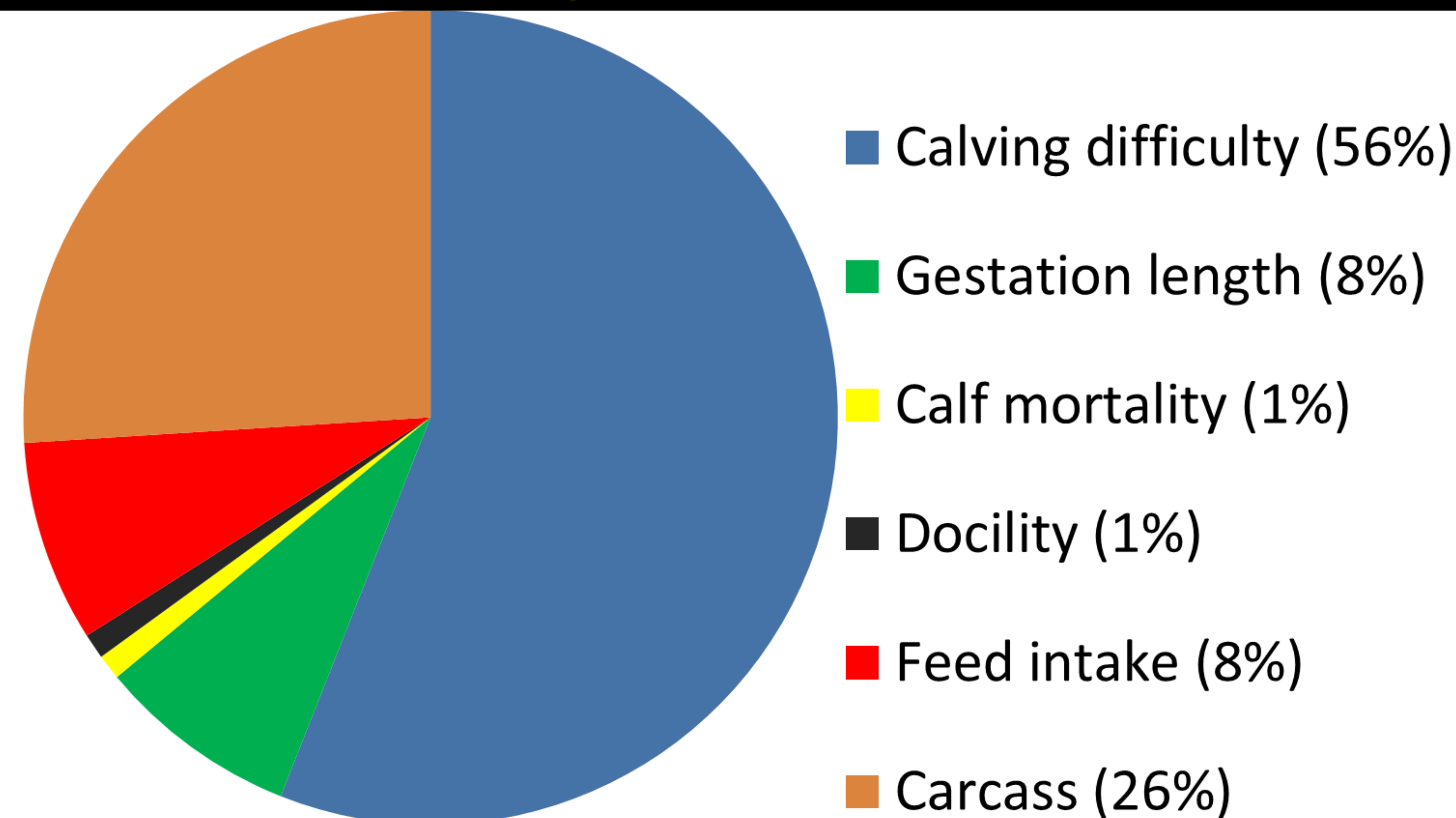


25 female dairy
25 male dairy



25 female dairy
3 male dairy
17 beef

Dairy-beef index



Take home messages

- EBI continues to translate to greater sustainable profit
- Dairy-beef is a growing opportunity