

Genomic Evaluation In France in Beef Breeds



Genomic information available



- Genotyped animals available since 2008: research programs (Qualvigene, GEMBAL) and industry
- On HD, MD and LD chips (more than 10 commercial chips usable)
- Intra breed imputation computed routinely
- Genotyped animals

	Charolais	Limousin	Blonde Aquitaine	Aubrac	Salers	Maine Anjou
Animals	19 554	7 638	7 875	685	681	411



Genomic Evaluation



- Implemented for birth to weaning period and carcass traits
- BayesC and blending with polygenic indexes
- Official in the 3 main beef breeds (Charolais, Limousine, Blonde d'Aquitaine)
- Size of reference populations

	Charolais	Limousin	Blonde Aquitaine
Direct birth-weaning period	12 500	6 000	4 000
Maternal birth-weaning period	4 500	2 500	2 200
Carcass traits	2 400	1 750	720

- Calculation twice a year
- Non official genomic prediction each week

