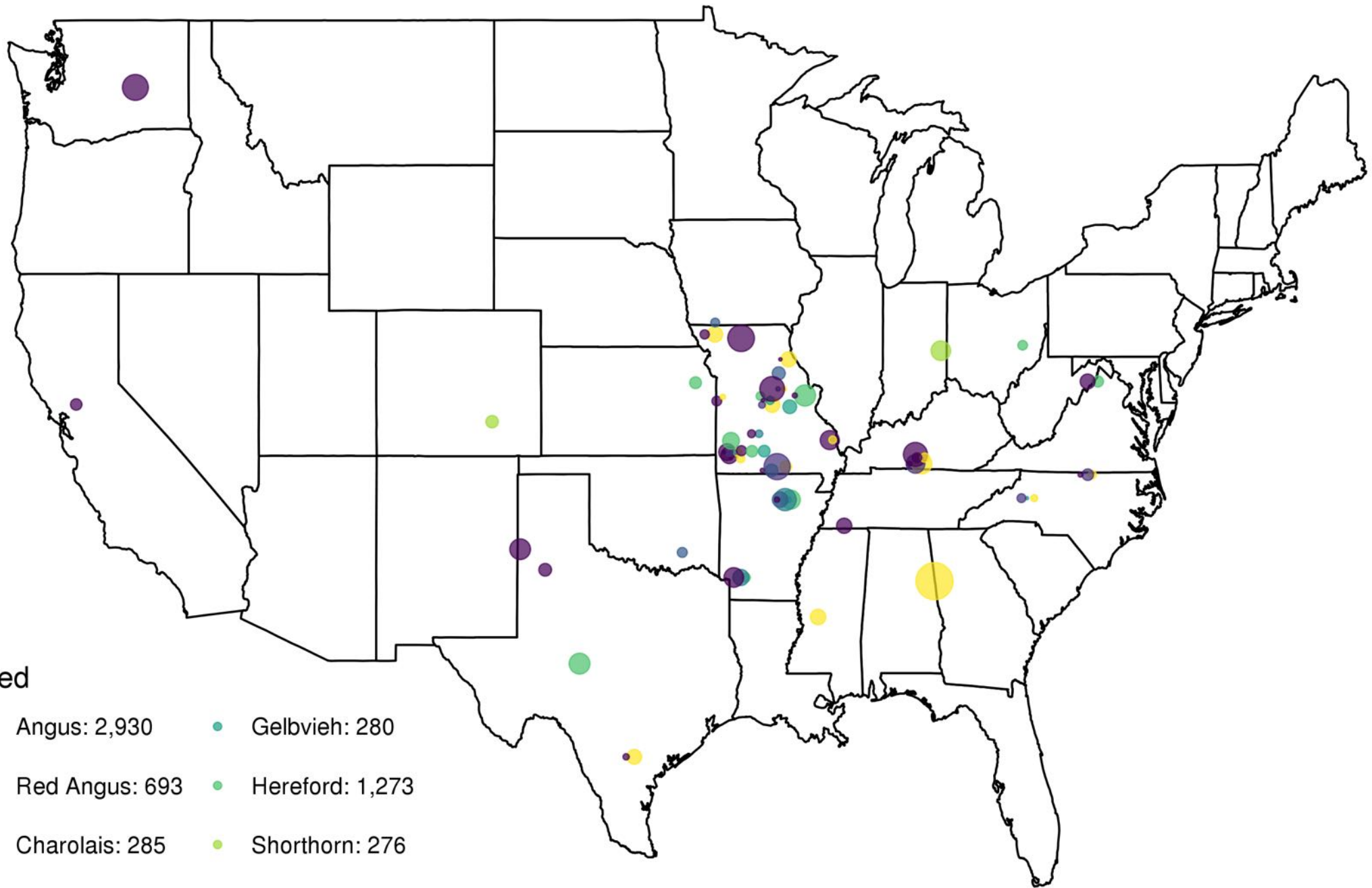


Hair shedding scores

**A tool to select heat
tolerant cattle**



Breed

- Angus: 2,930
- Red Angus: 693
- Charolais: 285
- Cross: 426
- Gelbvieh: 280
- Hereford: 1,273
- Shorthorn: 276
- Simmental: 1,827



- 1-5 scale
- Early summer: late April – June
- Most useful to score when variability is highest





Score 5
0% shed off
(full winter coat)





Score 4
25% shed off



Score 3
50% shed off



Score 2
75% shed off



Score 1

100% shed off (no winter coat)

Weaning weight

After adjusting for:

- Sex of calf
- Farm effect
- Calving season

We find:

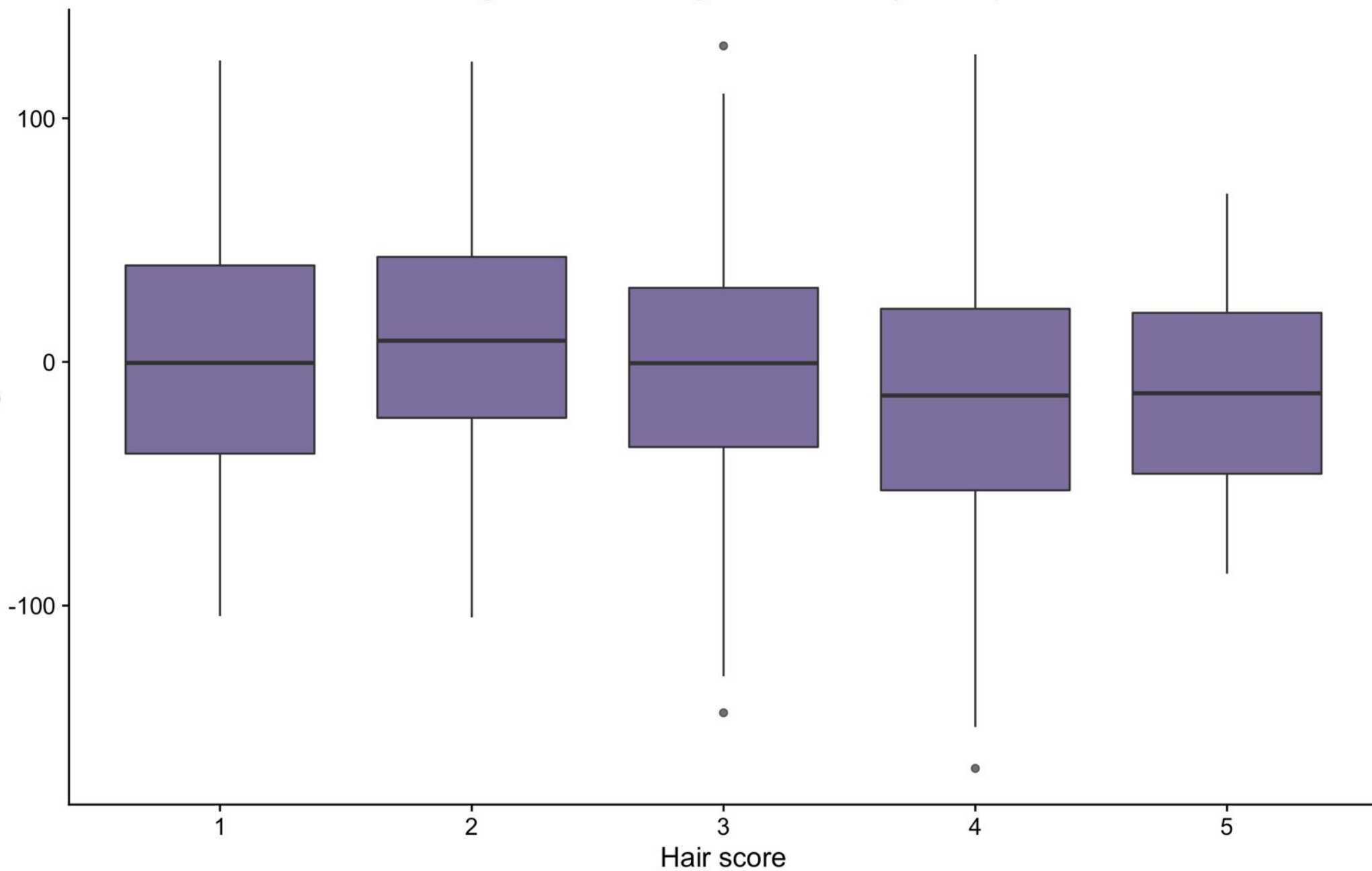
- **~10.70 lb.** difference on average between hair shedding score in Red Angus Association of America data
- **~12.00 lb.** difference on average between hair shedding score in American Simmental Association data





205d + sex + farm + calving
season + year adjusted weaning
weight

Registered Red Angus 2016-2017 (n = 241)



Weaning weight

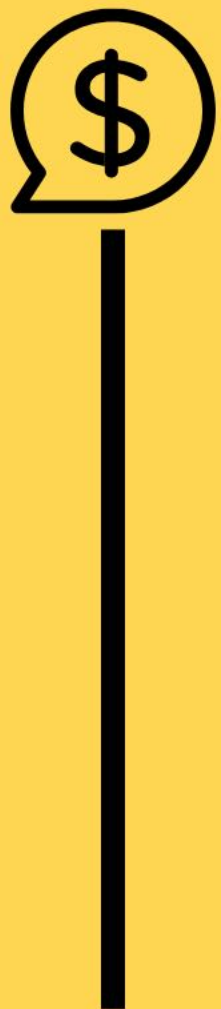
After adjusting for:

- Sex of calf
- Farm effect
- Calving season

We find:

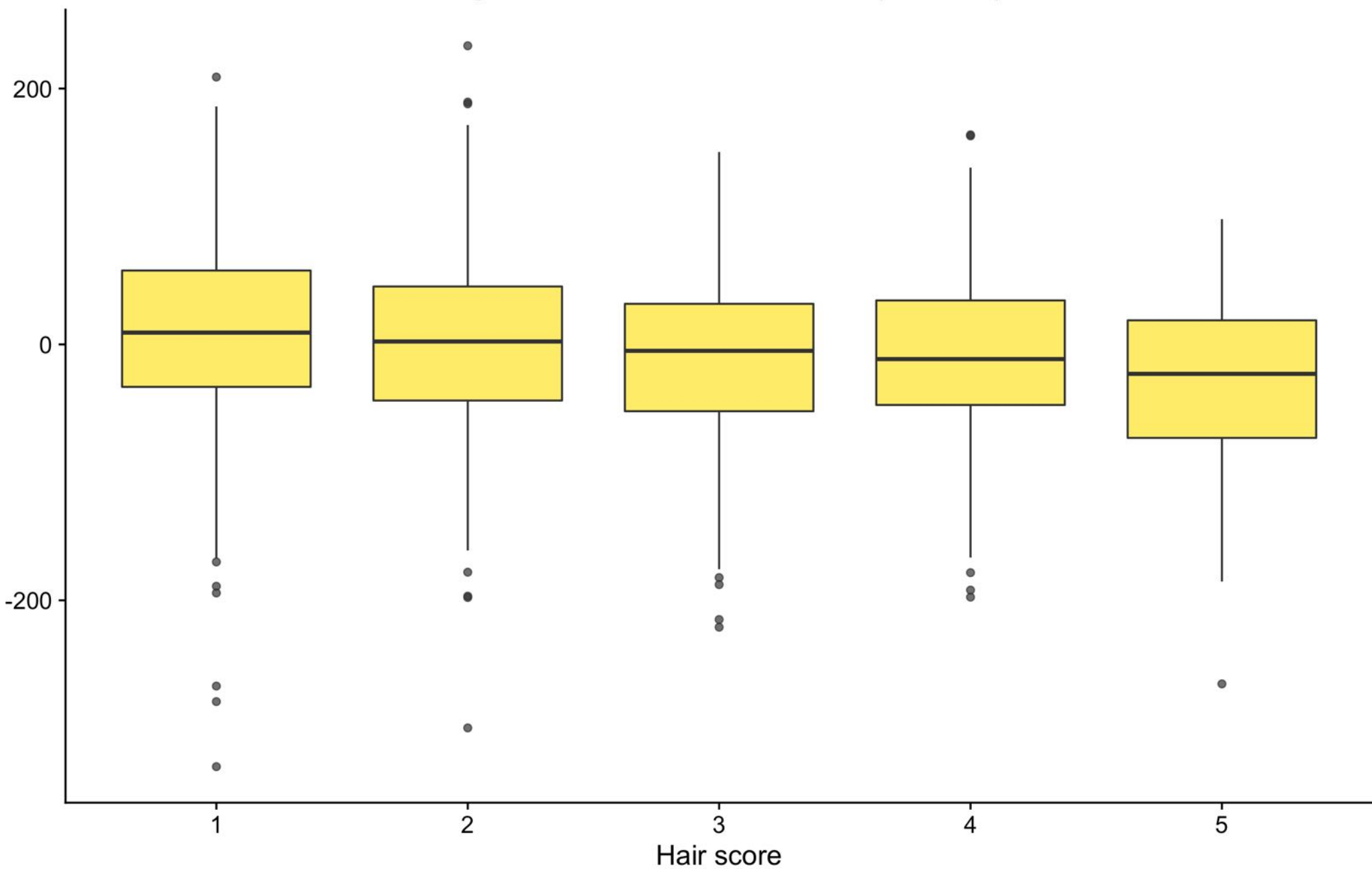
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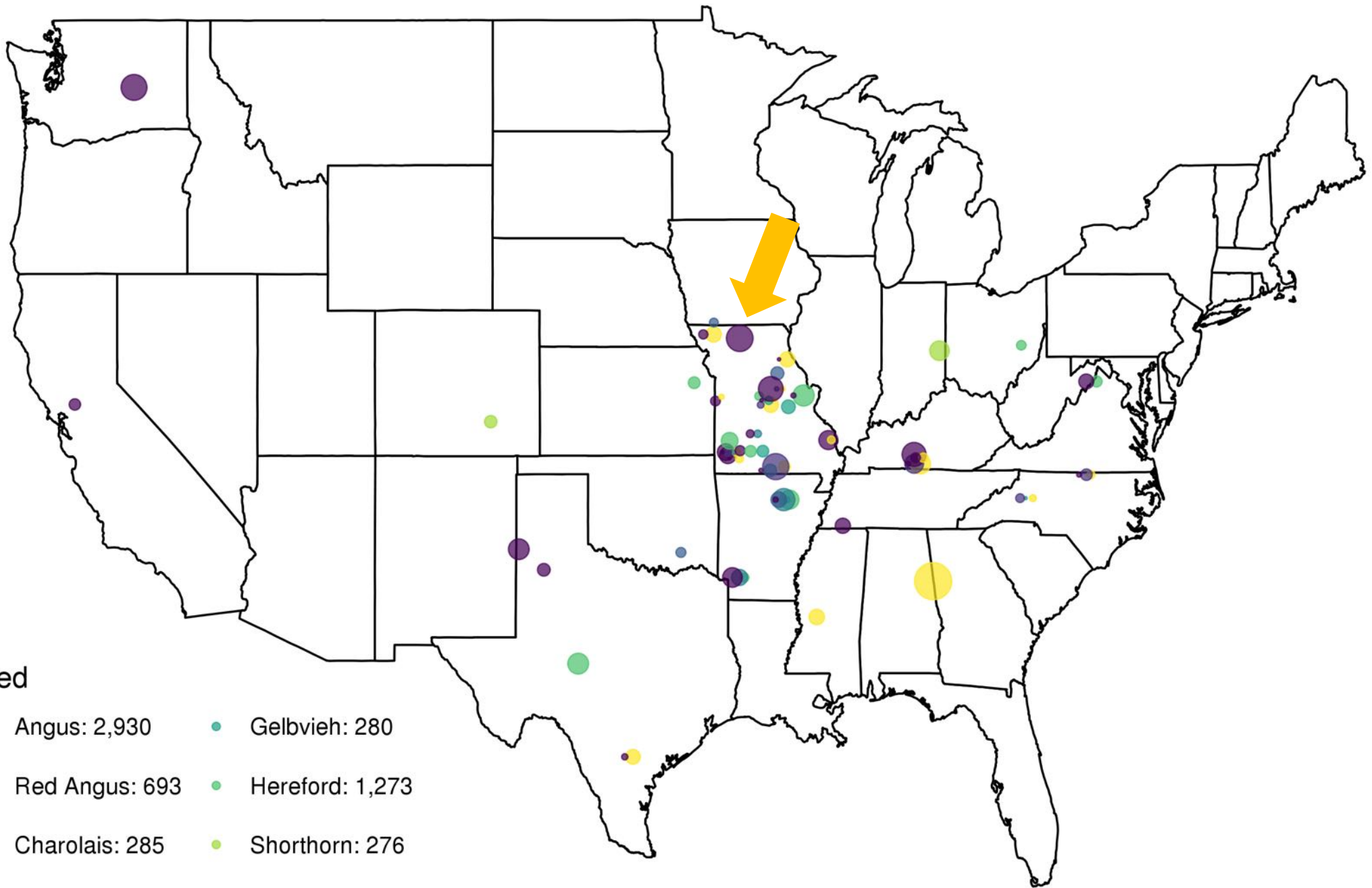




205d + sex + farm + calving
season + year adjusted weaning
weight

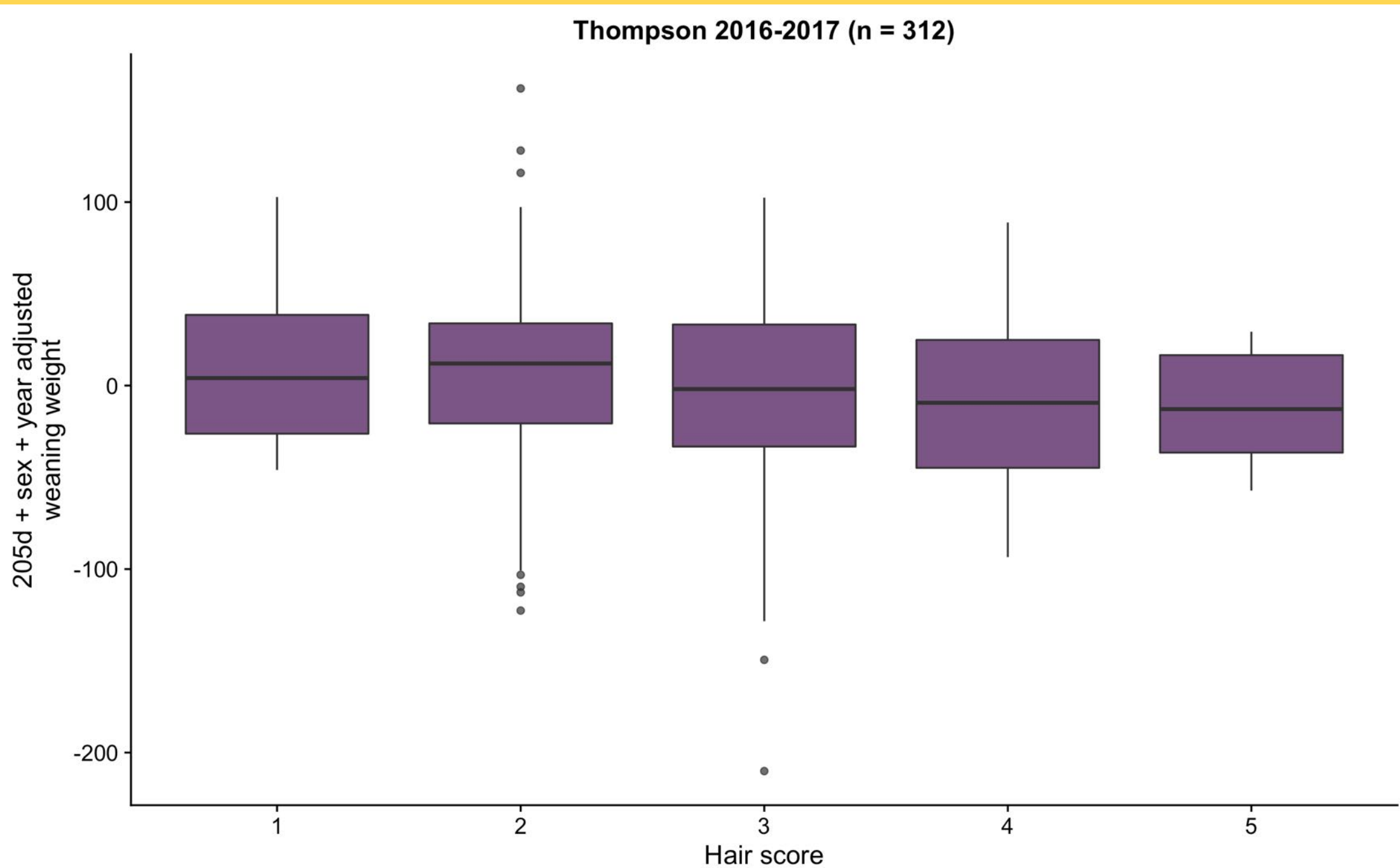
Registered Simmental 2016-2017 (n = 1704)

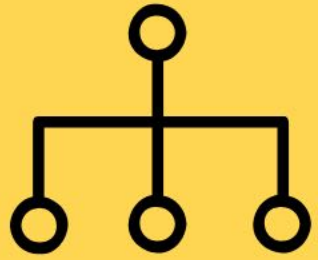




Breed

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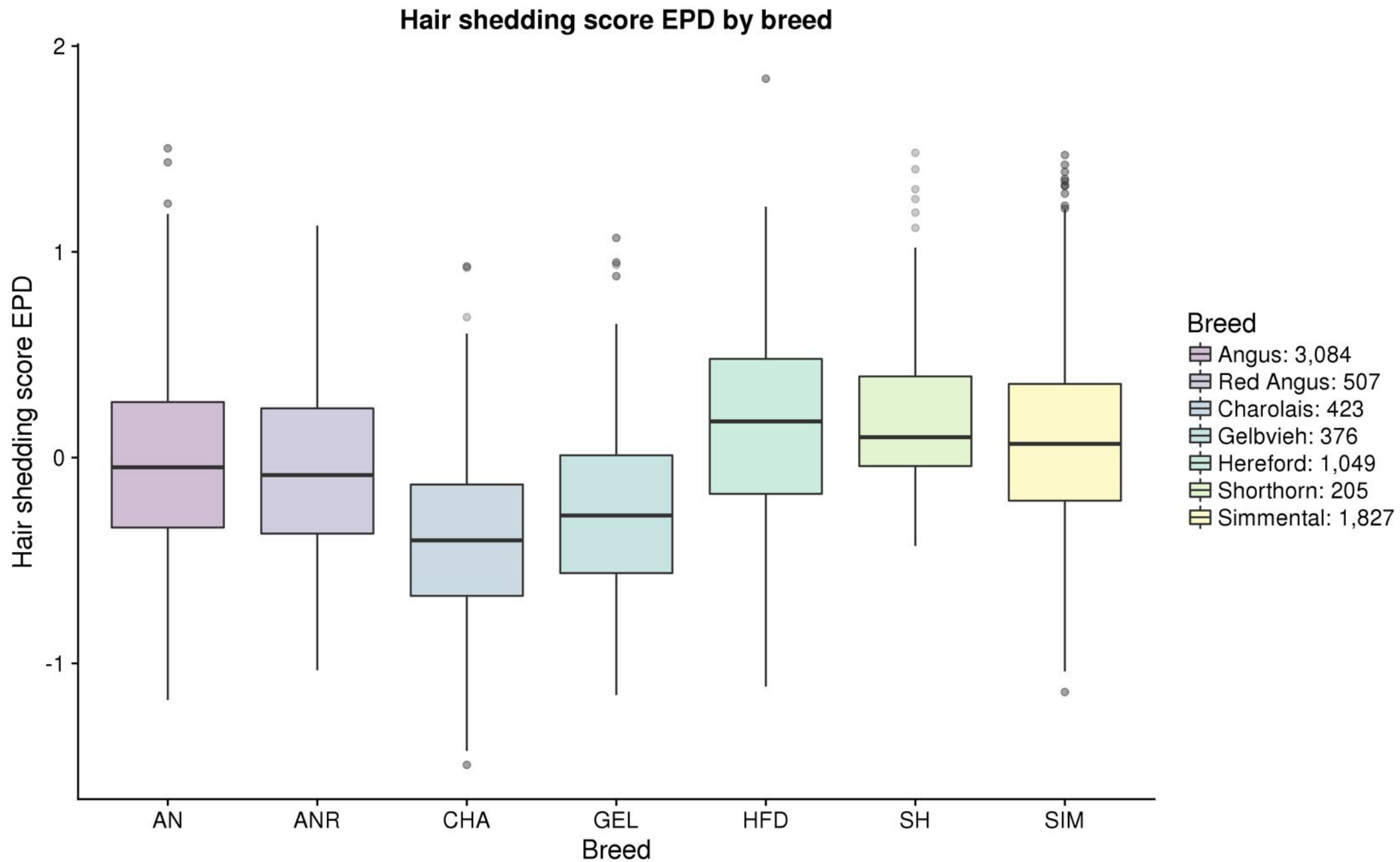
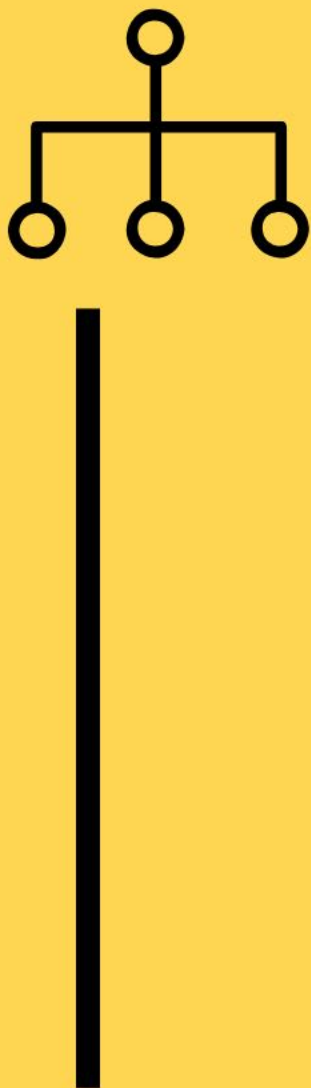




Heritability

- 0.38 – 0.45 heritability
- **~40% of variation in hair shedding is due to genetics**





Thanks to participating producers!



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