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Genetic parameters and accuracy of traditional and genomic breeding values for eye pigmentation, hair coat and breed standard in Hereford and Braford cattle

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## Highlights

- Threshold mixed linear models were used to estimate genetic parameters
- High heritabilities were found for eye pigmentation and hair coat
- It is possible to obtain genetic gains by selection of these traits in Hereford and Braford cattle
- The favorable correlations allow selection of more adapted animals to tropical conditions
- Use of genomic information should result in more accurate breeding values predictions

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