Genotype by environment interaction in response to cold stress in a composite beef cattle breed

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Supplementary Figure S1 Number of birth weight (BW) records (red solid line) and average BW (blue solid line) distribution of the composite beef cattle population across different classes of the total cold load using thresholds of less than -5 °C (TCL5) (A), -15 °C (TCL15) (B) and -25 °C (TCL25) (C).



Supplementary Figure S2 Number of weaning weight (WW) records (red solid line) and average WW (blue solid line) distribution of the composite beef cattle population across different classes of the total cold load using thresholds of less than -5 °C (TCL5) (A), -15 °C (TCL15) (B) and -25 °C (TCL25) (C).



**Supplementary Figure S3** Percentage of robust, plastic and extremely plastic animals in the composite beef cattle population based on their direct (A) and maternal (B) slope analyzed by reaction norm for birth weight (BW) and weaning weight (WW) within different classes of the total cold load using thresholds of less than -5 °C (TCL5), -15 °C (TCL15) and -25 °C (TCL25).