**Live animal predictions of carcass components and marble score in beef cattle: Model development and evaluation**

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**Figure S1.** Observed *versus* predicted with 1:1 (solid) line and residuals (observed – predicted) of hot carcass weight (HCW, kg) from evaluation dataset 1(Angus steers)



**Figure S2.** Observed *versus* predicted with 1:1 (solid) line and residuals of bone weight (kg) from evaluation dataset 1(Angus steers)



**Figure S3.** Observed *versus* predicted with 1:1 (solid) line and residuals of flesh fat-free mass (FleshFFM, kg) from evaluation dataset 1 (Angus steers)

**Figure S4.** Observed *versus* predicted with 1:1 (solid) line and residuals of flesh fat mass (FleshFM, kg) from evaluation dataset 1 (Angus steers)



**Figure S5.** Observed *versus* predicted with 1:1 (solid) line and residuals of chemical intramuscular fat (Chemical IMF, %) from evaluation dataset 1 (Angus steers)

 

**Figure S6.** Observed *versus* predicted with 1:1 (solid) line and residuals of marble score from evaluation dataset 1 (Angus steers)



**Figure S7.** Observed *versus* predicted with 1:1 (solid) line and residuals of hot carcass weight (HCW, kg) from evaluation dataset 2 (Angus, Hereford, Murray Grey and Brahman heifers and steers)



**Figure S8.** Observed *versus* predicted with 1:1 (solid) line and residuals of bone weight (kg) from evaluation dataset 2 (Angus, Hereford, Murray Grey and Brahman heifers and steers)



**Figure S9.** Observed *versus* predicted with 1:1 (solid) line and residuals of chemical intramuscular fat (Chemical IMF, %) from evaluation dataset 2 (Angus, Hereford, Murray Grey and Brahman heifers and steers)