

Table 1. Heritabilities (diagonal) and genetic correlations (off-diagonal) with standard errors for boar longevity, defined as the number of days in the stud before removal for different reasons, and Linear Regression (LR) validation metrics for each removal reason.

Reason ¹ :	Structure	Reproductive	Other
Genetic Parameters			
Structure	0.12 (0.027)	0.66 (0.308)	0.43 (0.188)
Reproductive		0.05 (0.022)	0.71 (0.399)
Other			0.05 (0.015)
LR Validation Metrics ²			
Slope (b1)	0.78	0.78	0.87
Bias	-0.01	-0.02	0.00
Accuracy	0.34	0.32	0.30

¹The Structure category included removals related to lameness; the Reproductive category encompassed removals due to semen quality, libido, or other reproductive issues; and the Other category grouped health problems, euthanasia, death, or unknown causes.

²Where:
$$\text{Accuracy} = \sqrt{\frac{\text{Cov}(\widehat{GEBV}_{\text{whole}}, \widehat{GEBV}_{\text{partial}})}{(1-\bar{r}) \times \sigma_u^2}}.$$