

Table 1. Pearson and Spearman correlations and intraclass correlation coefficients (ICC) based on observed and residual values of performance and methane traits across growing and finishing phase.

Performance and methane traits during growing and finishing phase	n	Observed values	Residual values			
		r _{Pearson}	r _{Pearson}	r _{Spearman}	ICC	SE
DMI _{GR-FIN}	356	0.437	0.626	0.618	0.622	0.032
ADG _{GR-FIN}		0.073 ⁺	0.384	0.386	0.385	0.045
MWT _{GR-FIN}		0.885	0.890	0.878	0.882	0.012
BFAT _{GR-FIN}		0.581	0.677	0.685	0.572	0.036
RFI _{GR-FIN}		0.565		0.551	0.559	0.037
DMP _{GR-FIN}	81	0.369	0.238 [*]	0.312	0.467	0.095
MeY _{GR-FIN}		0.402	0.441	0.446	0.405	0.089
Mel (ADG) _{GR-FIN}		0.027 ⁺	0.335	0.325	0.386	0.109
Mel (BW) _{GR-FIN}		0.473	0.296	0.333	0.258	0.103

GR: growing, FIN: finishing, n: animals used for calculations, DMI: dry matter intake, ADG: average daily gain, MWT: metabolic body weight, BFAT: backfat thickness, RFI: residual feed intake, DMP: daily methane production, MeY: methane Yield, Mel (ADG): methane intensity by ADG and Mel (BW): methane intensity by body weight, ICC: intraclass correlation coefficients, SE: Standard Error.

All correlations are statistically significant ($p < 0.001$), except for values marked (*) where ($p < 0.05$) and (+) when correlation has no significance.