Table 1: Mean square error (MSE) result for the forecast horizon para 7, 14 and 28 days, of live weight of beef cattle monitored on pasture using artificial intelligence.

Model	forecast horizon, kg²		
	7 days	14 days	28 days
MLP[1]	0.000222	0.000444	0.001704
XGB[1]	0.000189	0.000674	0.001986
SVM[1]	0.000059	0.000137	0.000380
LTB[1]	0.000176	0.000603	0.001692
LSTM[1]	0.000097	0.000330	0.001193
ESN[1]	0.001227	0.002983	0.007459

[1]The models used were Multi-Layer Perceptron (MLP), eXtreme Gradient Boosting (XGBoost), Support Vector Machine (SVM), LightGBM (LTB), Long Short-Term Memory (LSTM) and Echo State Network (ESN).

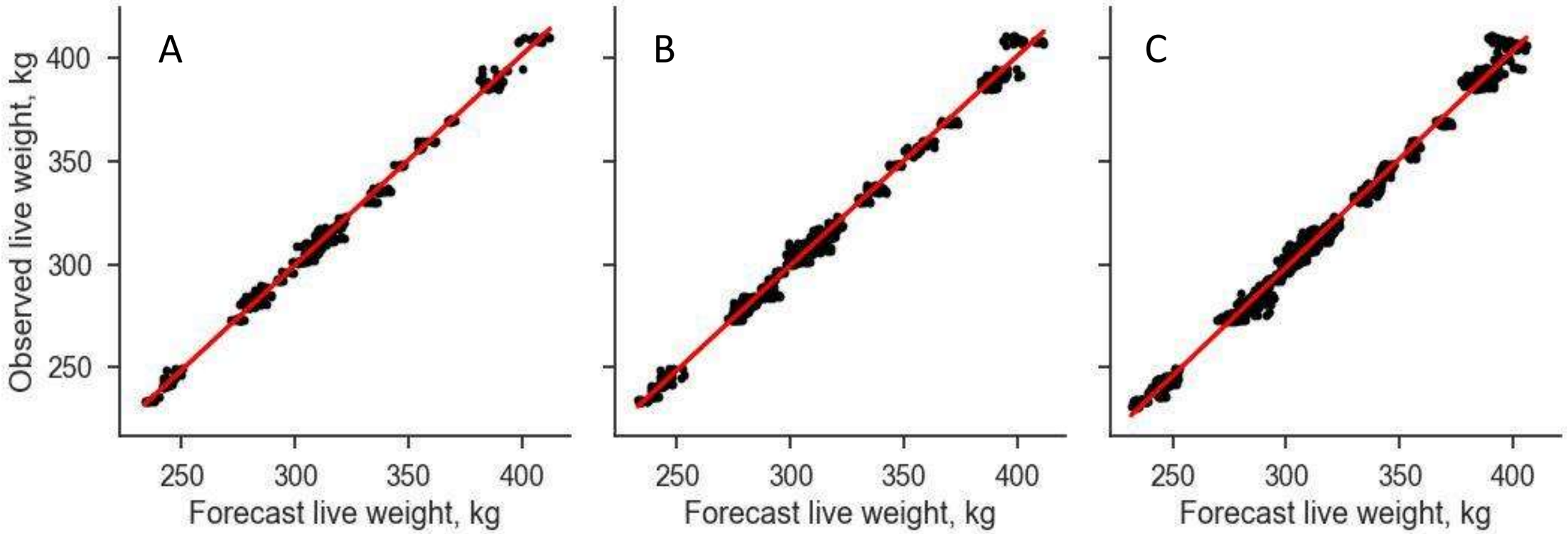

Figure 1: Adjustments of the Observed Liveweight and Predicted Liveweight values from simple linear regression analysis, respectively, using the SVM model for the forecast horizons for 7 **(A)**, 14 **(B)** and 28 days **(C)**.