

Table S3 GEBV accuracies from prediction of crossbred genetic merit from purebred training data using GBLUP (scenarios 12-17) – MOST 50% related animals between training and validation populations

Trait	Scenario	r^2	N training		N prediction	Accuracy	
			DL	LW	F1	GBLUP ^{cv}	Bias [*]
AFI	12	0.45	1067	1389	144	0.05	0.49
TNB	12	0.47	1066	1383	140	0.33	1.93
LBW	12	0.79	1070	1385	143	0.34	0.67
LVR	12	0.52	1069	1385	143	0.24	0.81

DL - Dutch Landrace, LW - Large White, F1 - cross between DL and LW

AFI- age at first insemination, TNB- total number of piglets born, LBW- litter birth weight, LVR- litter variation

^{cv} - Estimate obtained by 20-random training-prediction populations

^{*} - Regression coefficient of the GEBV on the DEBV

r^2 - Mean reliability of deregressed estimated breeding values from the training population