

## S1 Table Univariate animal model

	Estimate	95% CI
Intercept*	406.82	[390.79 ; 420.52]
Female's inbreeding coefficient	89.39	[-7.22 ; 196.58]
Offspring Sex: Male	1.09	[-1.05 ; 3.20]
Female's Reproductive Status:		
Naive	-13.53	[-19.26 ; -7.65]
Summer Yeld	-27.01	[-31.46 ; -22.00]
True Yeld	-21.56	[-25.43 ; -17.82]
Winter Yeld	-0.60	[-6.19 ; 4.19]
Female's age	-6.64	[-9.20 ; -3.76]
Female's age squared	0.38	[0.24 ; 0.51]
Genetic group: Proportion immigrant	4.38	[-6.97 ; 16.48]
Temperature	-3.72	[-8.13 ; 1.50]
Calf birth year (covariate)	-0.45	[-0.74 ; -0.13]

Notes: \*The intercept is defined for the year 1972.

	Estimate	95% CI
Additive genetic	208.3	[140.8 ; 282.9]
Permanent environment	5.9	[0 ; 40.6]
Focal female's mother	1.9	[0 ; 10.5]
Offspring birth year	112.3	[59.0 ; 189.1]
Female cohort	1.9	[0.0 ; 9.7]
Residuals	963.9	[912.7 ; 1011.0]