

S2 Table Phenotypic selection model

Random effect	Parameter	estimate	95%CI
Female cohort	Variance Parturition	12.395	[0 ; 42.39]
	Covariance	1.133	[-15.47 ; 17.2]
	Variance LBS	9.080	[5.26 ; 12.93]
Focal female's mother	Variance Parturition	29.985	[0 ; 69.99]
	Covariance	-0.031	[-0.55 ; 0.34]
	Variance LBS	0.006	[0 ; 0.02]
Offspring birth year	Variance Parturition	157.481	[89.12 ; 250.5]
Permanent environment	Variance Parturition	219.364	[150.26 ; 290.62]
	Covariance	-6.397	[-10.09 ; -2.44]
	Variance LBS	0.987	[0.84 ; 1.13]
Residual	Variance Parturition	957.034	[909.11 ; 1006.62]

Trait	Parameter	estimate	95%CI
LBS (Poisson)	Intercept	-1.560	[-1.71 ; -1.4]
	Intercept	397.555	[384.91 ; 409.66]
Log-transformed Parturition date (Gaussian)	Offspring sex	1.824	[0.17 ; 3.75]
	Female's Reproductive Status: Naive	-16.811	[-21.11 ; -11.33]
	Summer Yeld	-27.313	[-30.91 ; -23.37]
	True Yeld	-23.434	[-26.79 ; -20.5]
	Winter Yeld	-0.803	[-5.18 ; 3.86]
	Female's age	-7.389	[-9.69 ; -5.43]
	Female's age squared	0.450	[0.35 ; 0.56]