**Supplementary File 6. Results of PGLMMs testing for the effect of sex, RS estimate (temporal *versus* lifetime reproductive success) and their interaction on phenotypic (*CVP*) and genetic (*CVG*) coefficients of variation.** Estimates are shown as posterior means with 95% Highest Posterior Density (HPD) intervals. *P*MCMC is the probability of the posteriors including zero.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Response | Variance  component | Predictor | Estimate | | | PMCMC |
| RS | CVP | Sex | 0.312 | 0.192 | 0.436 | < 0.001 |
|  |  | RS estimate | -0.192 | -0.447 | 0.051 | 0.124 |
|  |  | Sex by RS estimate | -0.152 | -0.314 | 0.027 | 0.083 |
|  | CVG | Sex | 0.122 | 0.062 | 0.182 | < 0.001 |
|  |  | RS estimate | 0.041 | -0.085 | 0.159 | 0.502 |
|  |  | Sex by RS estimate | -0.069 | -0.152 | 0.016 | 0.107 |