**Supplementary File 5. Results of PGLMMs testing for the effect of sex, VG estimate (additive *versus* total) and their interaction on genetic (*CVG*) coefficient of variation.** Results are shown for reproductive success (RS) and lifespan (LS). 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 | CVG | Sex | 0.118 | (0.060, | 0.180) | < 0.001 |
|  |  | VG estimate | -0.030 | (-0.170, | 0.120) | 0.695 |
|  |  | Sex by VG estimate | -0.064 | (-0.147, | 0.021) | 0.139 |
| LS | CVG | Sex | 0.007 | (-0.029, | 0.046) | 0.693 |
|  |  | VG estimate | 0.006 | (-0.111, | 0.126) | 0.920 |
|  |  | Sex by VG estimate | 0.015 | (-0.032, | 0.063) | 0.516 |