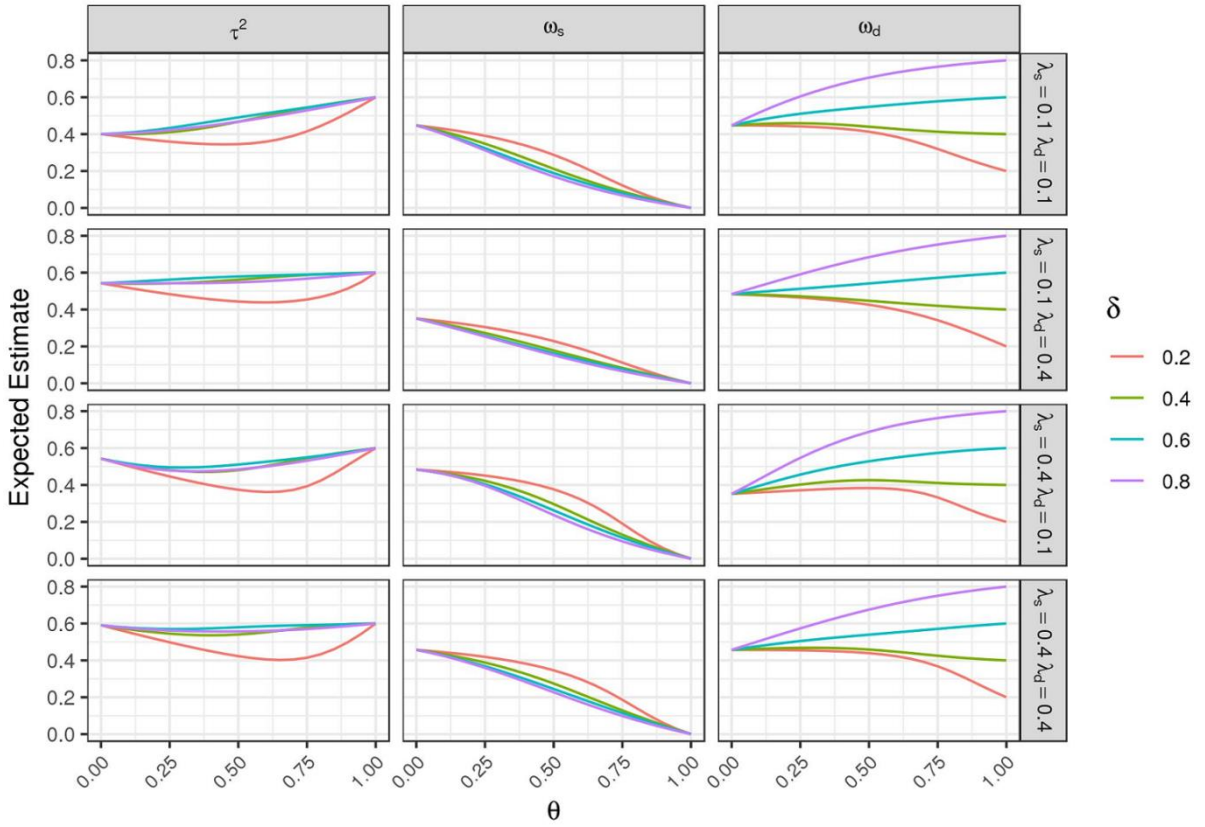

FigureS2 : Expected estimates in the transmissibility model compared to parameters in the true model $y_i = x_i\beta + a_i + epi_i + sp_i + e_i$

$H^2 = \frac{\sigma_a^2+\sigma_{epi}^2+\sigma_{sp}^2}{\sigma_a^2+\sigma_{epi}^2+\sigma_{sp}^2+\sigma_e^2}$=0.6, r=$\frac{\sigma_a^2}{\sigma_a^2+\sigma_{epi}^2+\sigma_{sp}^2}$=0.5, = $\frac{\sigma_{sp}^2}{\sigma_a^2+\sigma_{epi}^2+\sigma_{sp}^2}$, δ= single parent path coefficient of transmission, λ_s, λ_d : sire and dam epigenetic path coefficients of transmission.

Parameters in the transmissibility model: $\tau^2 = \frac{\sigma_t^2}{\sigma_t^2+\sigma_e^2}$, ω_s and ω_d sire and dam path coefficient of transmission.
Values in the transmissibility model have been obtained using the maximum of expected likelihood