



Supplementary Figure 5. Distribution of pairwise correlation coefficients between parameter estimates from the stock assessment model for a selected short list of model fits to the catch and effort data for flathead lobsters (*Thenus orientalis*) caught in waters of Saudi Arabia in the Arabian Gulf. The panel titles indicate the likelihood function for the fleet of large boats (called *dhow*), the likelihood function for the fleet of small boats (called *tarad*), and the numerical algorithm used for optimization (either conjugate gradient [cg] or smoothed particle Galerkin [SPG]). aplnormal=adjusted profile lognormal. For more details, see the [Supplementary Material](#).