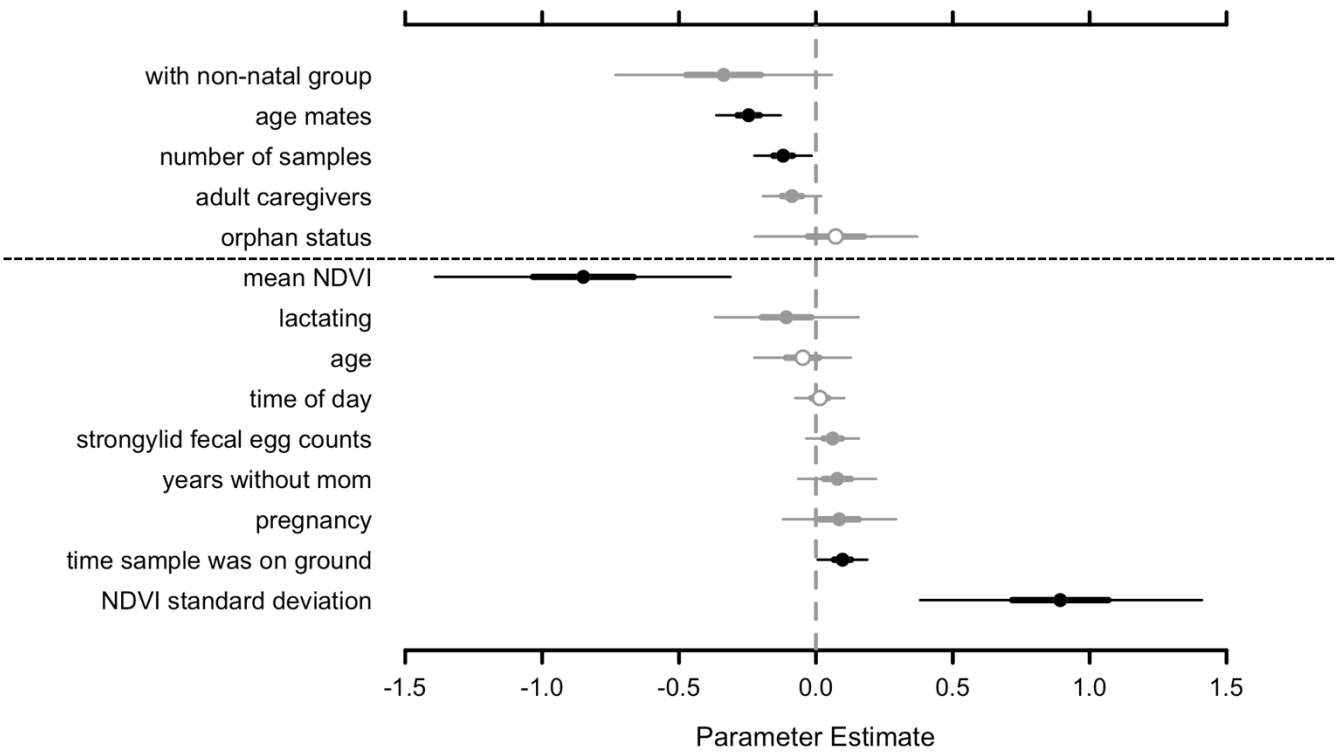

Supplementary Figure 3: Results from the sample subset including strongylid fecal egg counts, with n = 446 samples from 37 elephants. Black denotes estimates whose 95% confidence interval did not overlap zero, gray denotes estimates whose 50% confidence interval did not overlap zero, and open circles denote variables for which both confidence intervals overlap zero. The dotted line separates the first (top) and second (bottom) level of the model. The first level estimated individual-level intercepts, determining the correlation of unchanging variables with mean glucocorticoid concentrations. The second level used the estimated individual intercepts of the first level to determine the correlation of variables that changed with time according to when a sample was collected. Covariates are ordered according to estimated correlation size, from negative to positive, within each level. NDVI stands for "normalized difference vegetation index," a measure of primary productivity.