

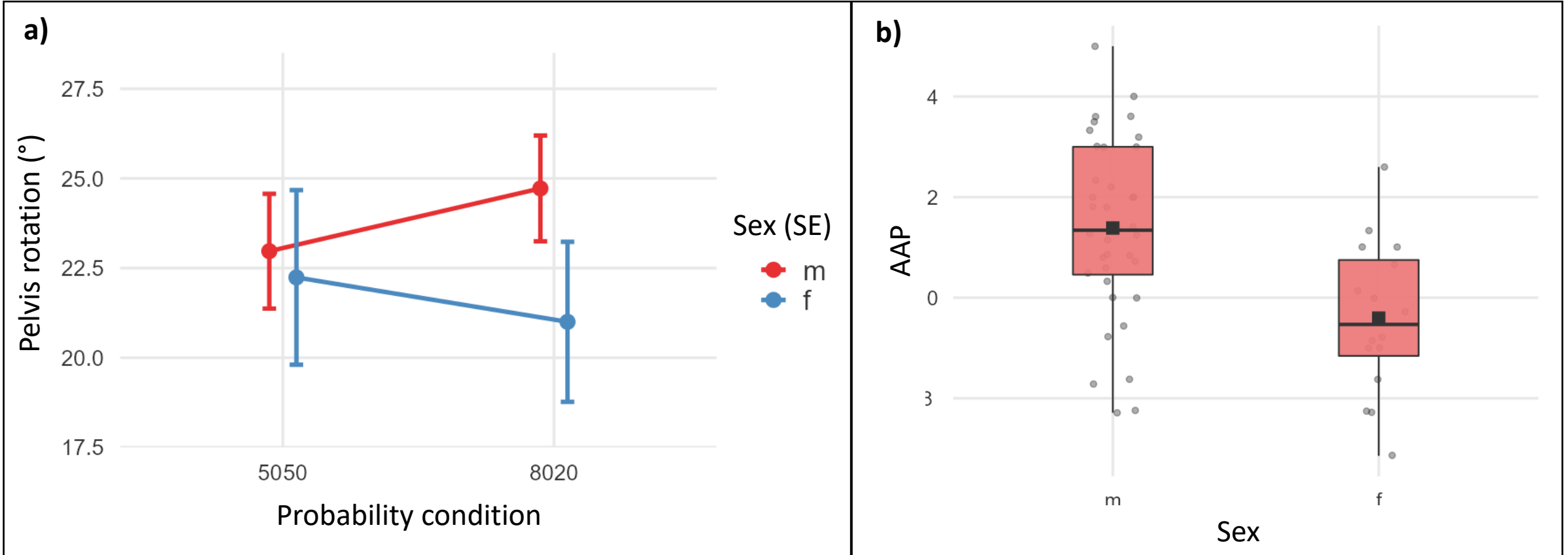


Figure 1: **a)** Pelvis rotation (y-axis) in different probability conditions (x-axis) for both sexes (m = red, f = blue). Error bars show standard error. **b)** Box plots of AAP (y-axis) split by sex (x-axis). Boxes span the interquartile range with the horizontal line marking the median; whiskers extend to the most extreme non-outlier values. The black diamond indicates the sample mean, and the vertical black line through it shows the 95% confidence interval for the mean. Jittered dots show individual data points.