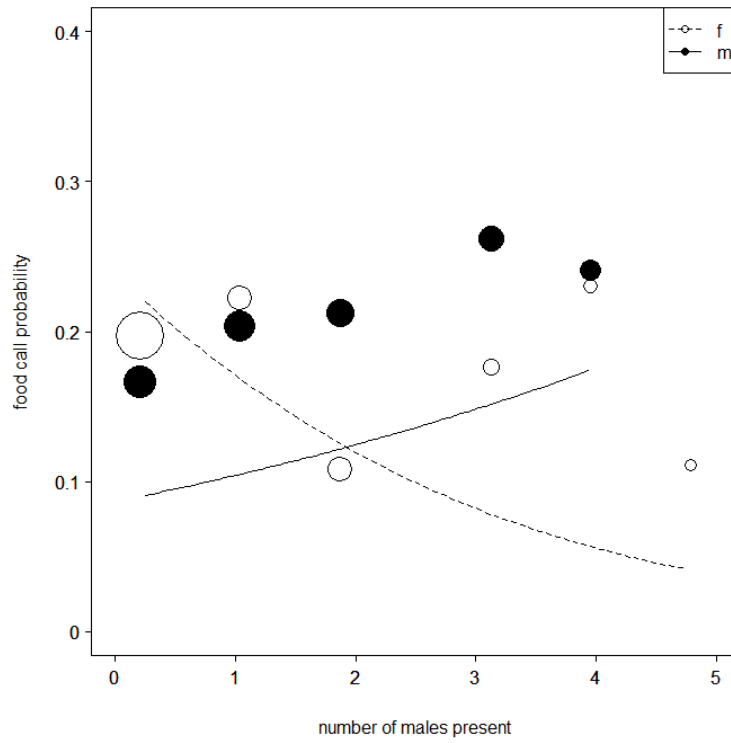
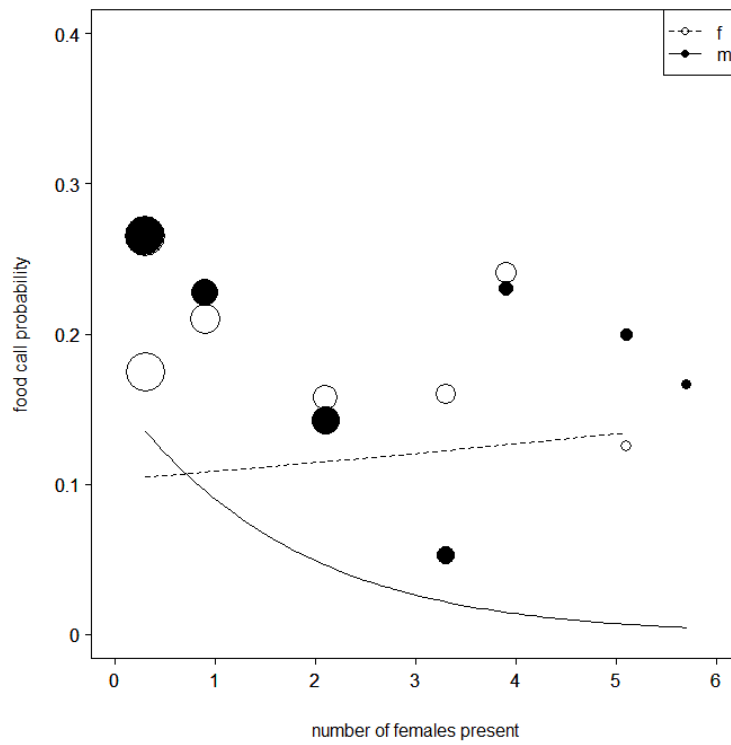


Supplementary Material

a)



b)



Appendix 1. Effects of a) the number of males and b) the number of females accompanying the signaler on the probability a male (*solid line, filled circles*) or female (*dashed line, open circles*) focal chimpanzee to produce a food call in the first minute after arriving to a food patch. Calling probabilities of males are depicted by black dots (observed probability per number of individuals present) and solid lines (fitted model), and calling probabilities of females by open dots and dashed lines. The area of the dots corresponds to the total sample size (total N=497).