Figure S1. (a) Histogram of differences between the predicted and empirical variance of the bias-corrected estimator, relative to the empirical variance. Simulations are based on the model described in File S1, with $N=100$ neurons, 1000 simulated experiments and 200 trials per experiment per stimulus condition. The blue triangle at the top represents the mean relative difference. **(b)** Predicted variance (blue line) and empirical variance (dashed black line), as a function of the number of trials. The shaded area represents the standard deviation of the predicted variance across experiments.