



**Supplementary Figure 3.** Robustness of the estimated reward biases. (A) Plotted are the reward biases and their estimation error for all sessions of the two experiments (in both the Gain and Loss conditions). Error bars show 95% confidence intervals and are calculated based on the Hessian matrix of the log-likelihood function. (B) Similar to (A) but the error bars are standard deviation calculated based on sampling 95% of the data 50 times and fitting the ensuing psychometric function.