Figure S1.—Power of our method to uncover the true (simulated) epistatic model assuming \( \epsilon_{ij} = -0.3 \), \( \sigma_{ij} = 0.1 \), and \( \mu_i = \mu_j = 0.8 \). (A) The area under each curve and less than zero represents the percentage of simulations with the additive epistatic model favored over the other models shown in the legend. The red, blue, yellow, green, and purple lines represent the comparison of the BIC between the additive epistatic model and the multiplicative epistatic model, minimum epistatic model, additive null model, multiplicative null model, and minimum null model, respectively. (B) and (C) are shown in a manner similar to (A) for the multiplicative and minimum epistatic models, respectively.