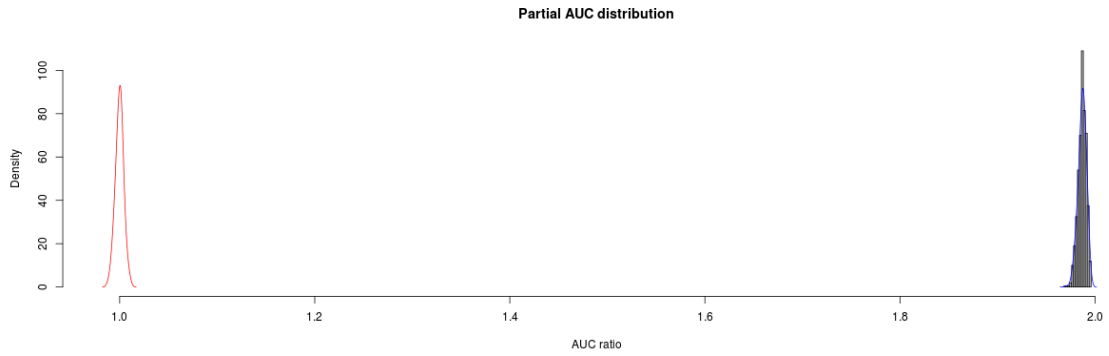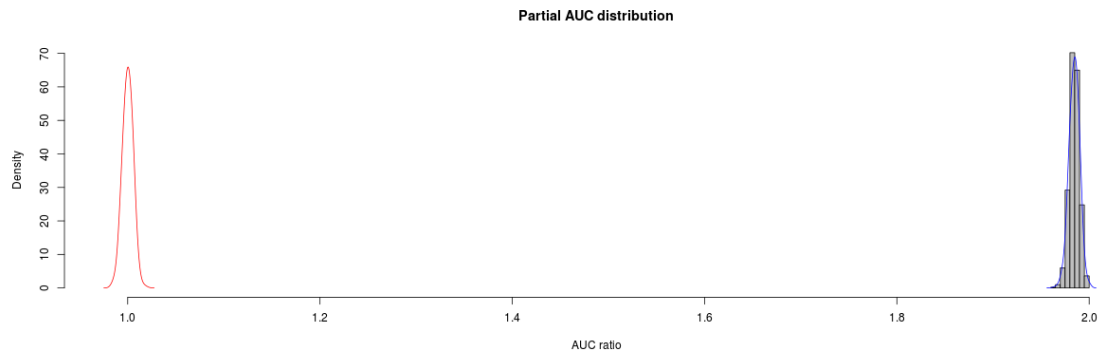**Figure S2.** Partial-ROC values and graphics; null model (red distribution), distribution of expectations created via bootstrapping replacement of 50% of the total available points and 1,000 resampling replicates (blue distribution).
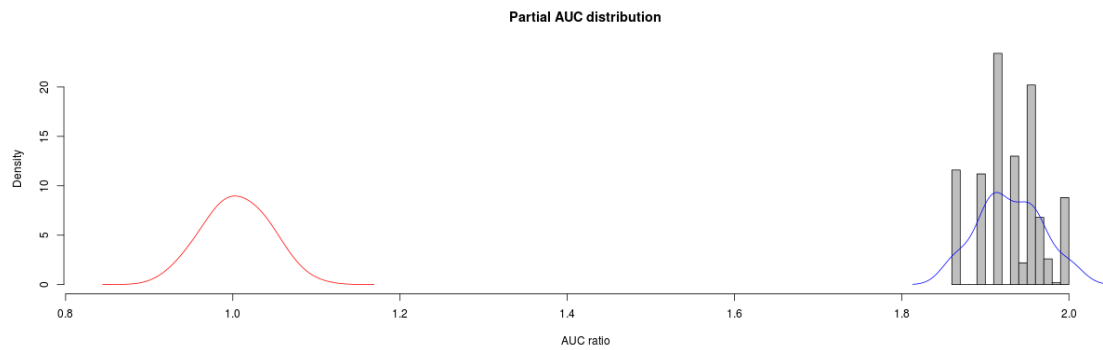
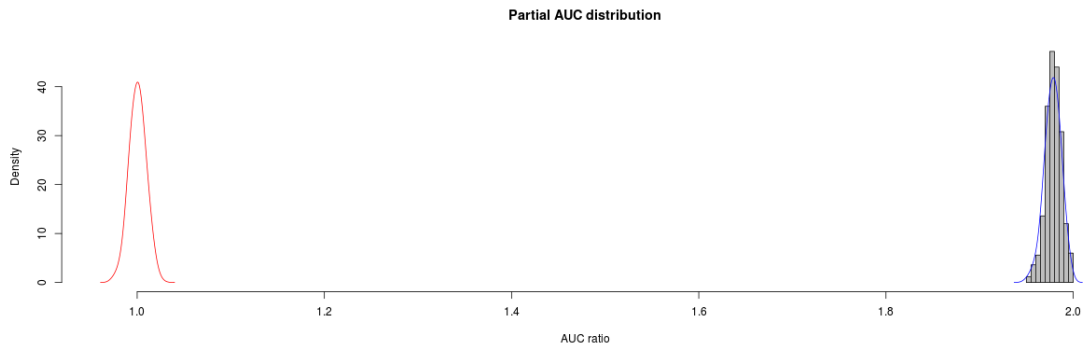**S1:** Mean AUC ratio after 1000 simulations: 1.986836 （P.value=0）

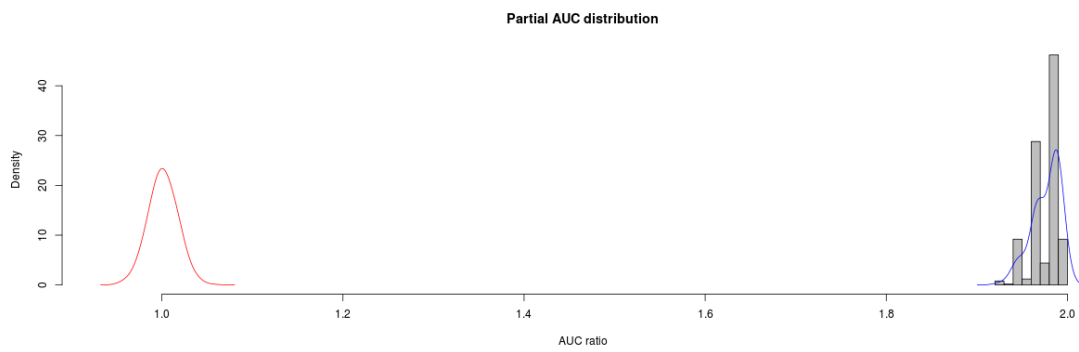**S2:** Mean AUC ratio after 1000 simulations: 1.984517 （P.value=0）

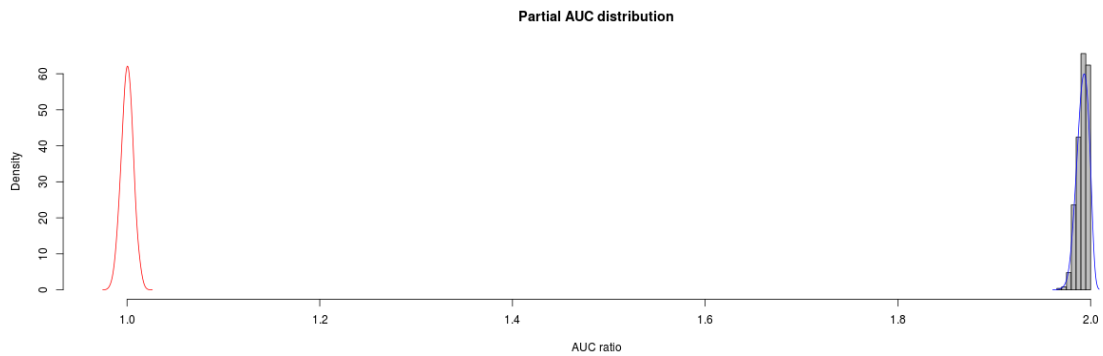**S5:** Mean AUC ratio after 1000 simulations: 1.929322 （P.value=0）

S6: Mean AUC ratio after 1000 simulations: 1.97818（P.value=0）

Partial AUC distribution

S7: Mean AUC ratio after 1000 simulations: 1.976526（P.value=0）

Partial AUC distribution

S8: Mean AUC ratio after 1000 simulations: 1.991804（P.value=0）

Partial AUC distribution

S10: Mean AUC ratio after 1000 simulations: 1.93884（P.value=0）

Partial AUC distribution