

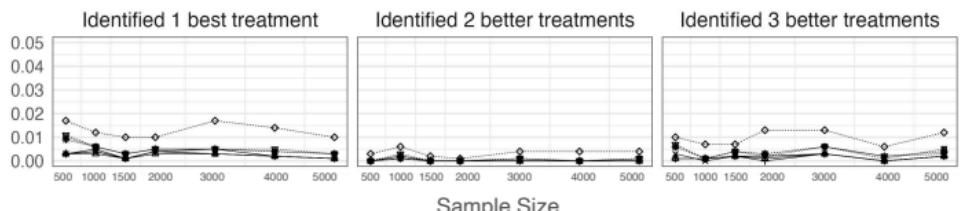
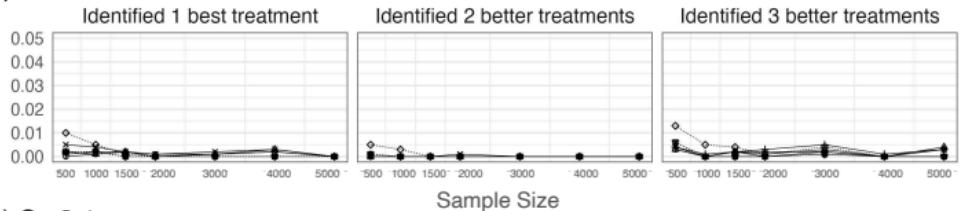
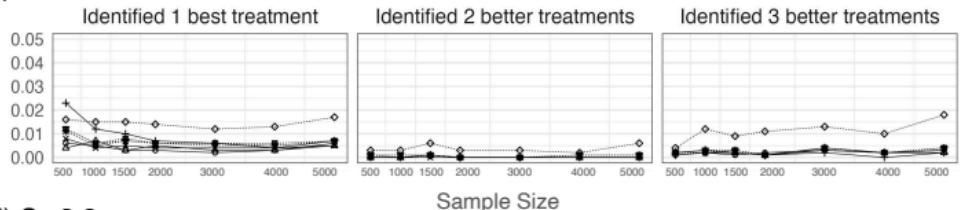
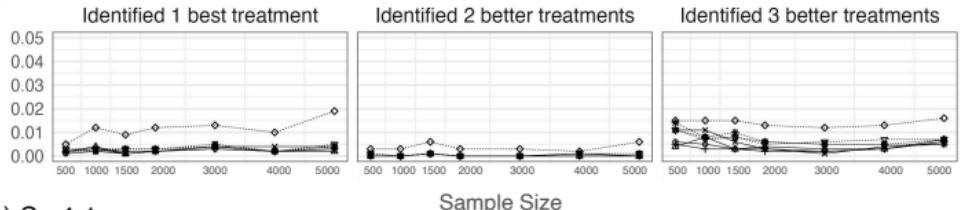
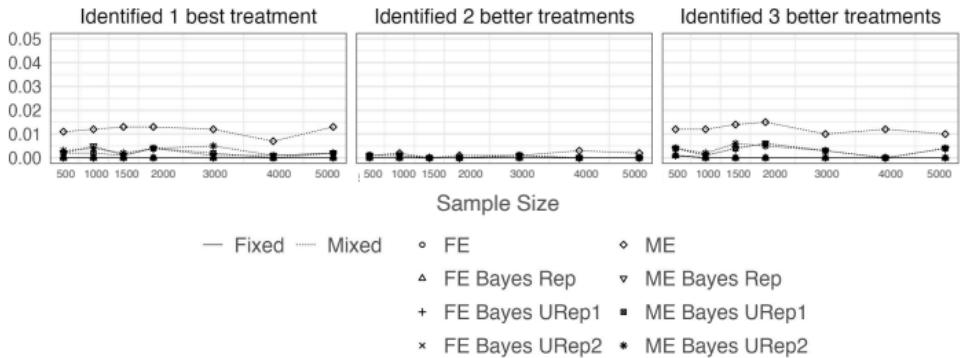
**a) Sc 1.1****b) Sc 2.1****c) Sc 3.1****d) Sc 3.3****e) Sc 4.1**

Fig. SM 1 Probability of incorrect interval separation for all null scenarios, when using a fixed and mixed effects model

using frequentist and Bayesian approaches for sample sizes ranging between  $N = 500\text{--}5000$ .