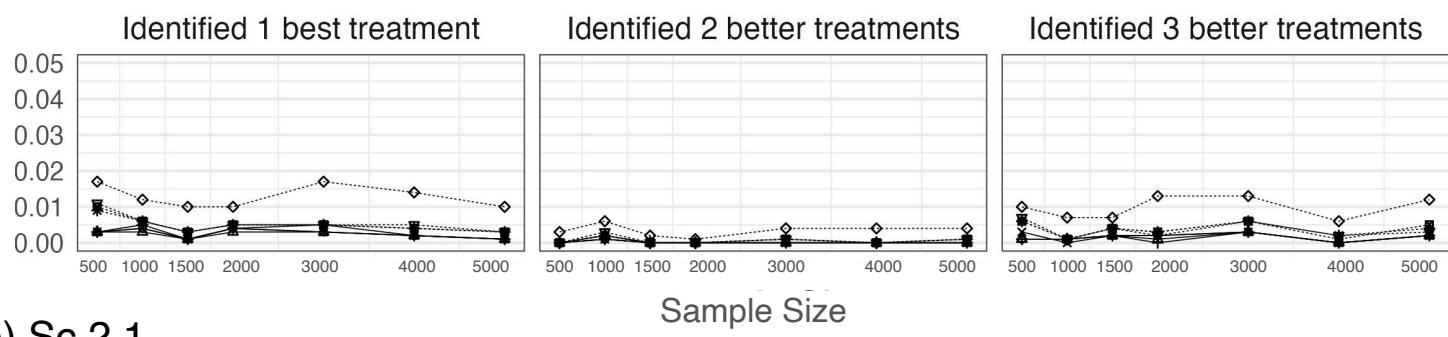
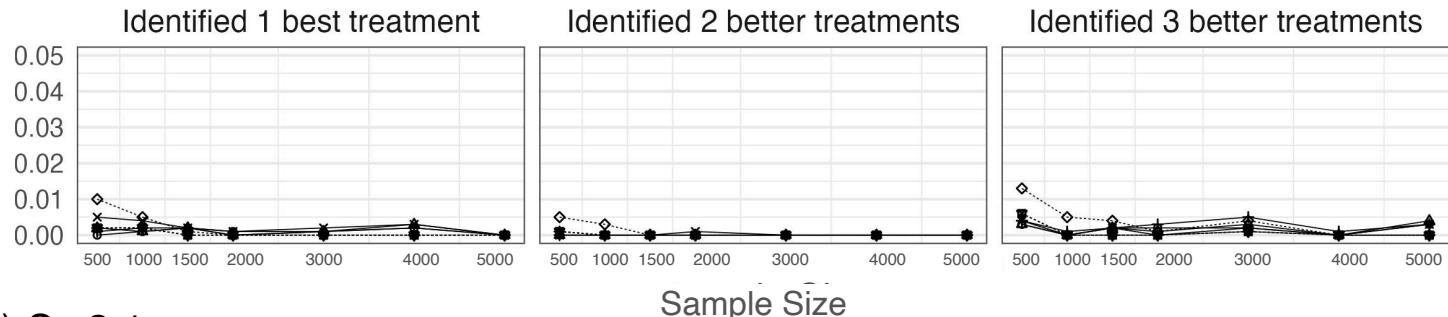


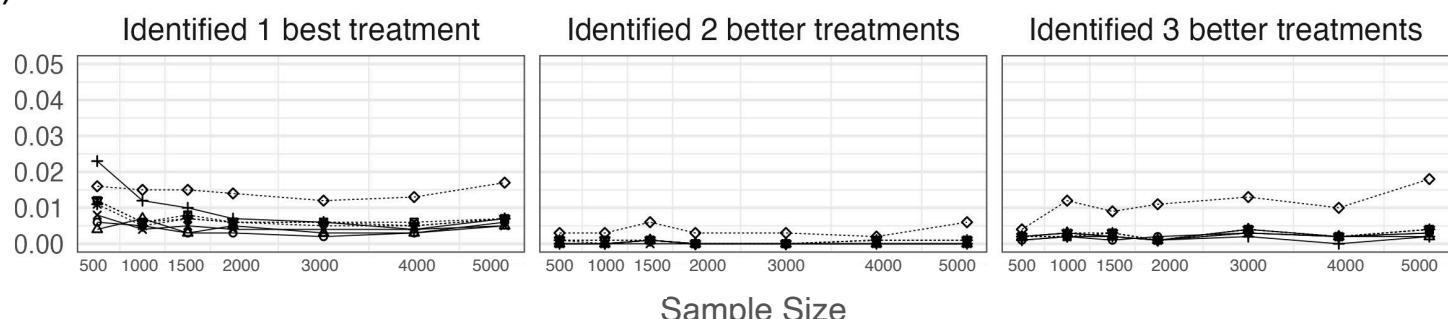
a) Sc 1.1



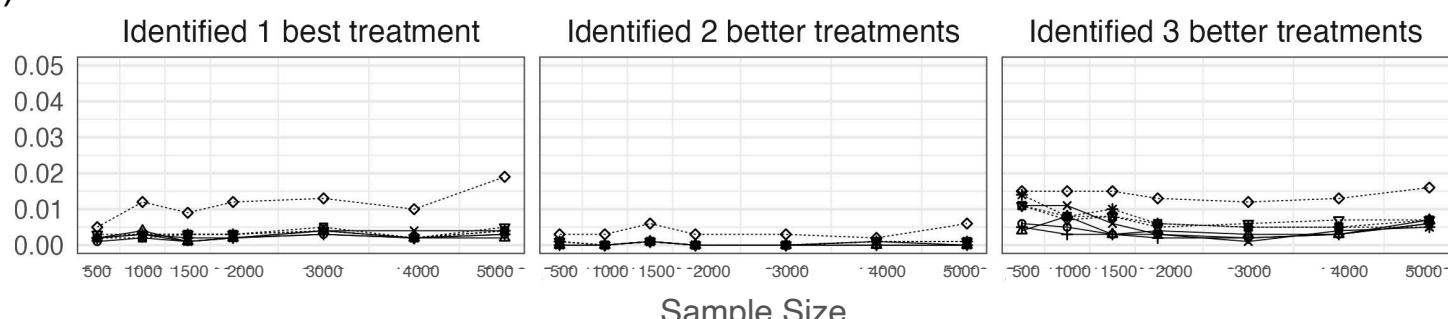
b) Sc 2.1



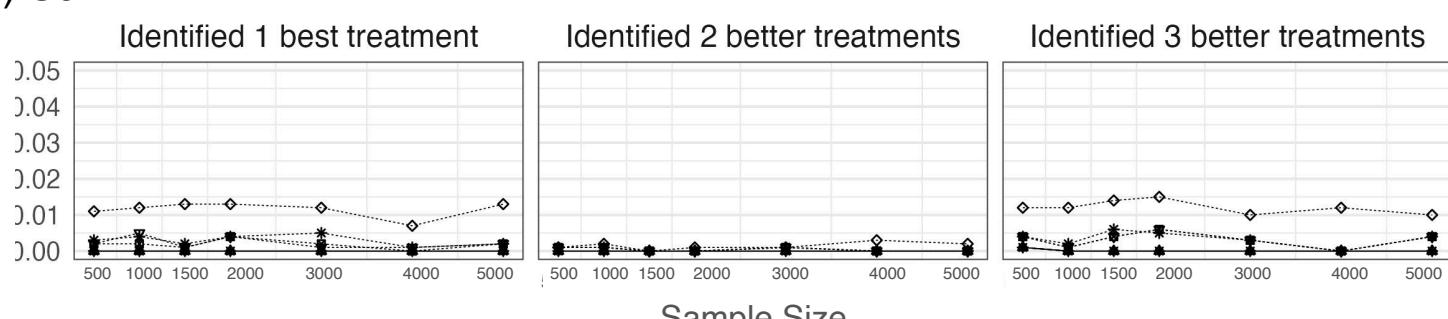
c) Sc 3.1



d) Sc 3.3



e) Sc 4.1



- |         |             |                |                  |
|---------|-------------|----------------|------------------|
| — Fixed | ..... Mixed | ○ FE           | ◊ ME             |
|         |             | △ FE Bayes Rep | ▽ ME Bayes Rep   |
|         |             | +              | ■ ME Bayes URep1 |
|         |             | ×              | * ME Bayes URep2 |

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 = 500-5,000.