Method Performance Progression with Sample Size
Power Curves with 95% Confidence Intervals

Effect Size Detection vs Sample Size **Equiprobable Equiprobable** 1.0 0.28 8.0 0.26 Mean Test Distance Statistical Power 0.22 0.2 0.20 400 200 300 400 500 600 700 800 100 200 500 600 700 800 100 900 300 900 **Sample Size Sample Size Relative Performance (vs Best Method)** Sample Size Recommendations (Target: 80% Statistical Power) 1.0 8.0 Relative Performance **Min Size Optimal** Max **Adequate** Method (80% Power) Size Power **Power** 400 Equiprobable N/A 0.583 0.2 **Equiprobable** Best Performance

100

200

300

400

500

Sample Size

600

700

800

900