Rasch vs 2PL, 50 items, simulation-based power n = 500n = 1000n = 3000100 80 H0: No effect 60 40 Wald\* Score\* Score\* 125 Observed Quantiles 100 Statistic H1: Small effect Wald 75 -LR Score 50 Wald\* Score\* Score\* 25 -150 H1: Large effect 100 50 Wald\* Score\* Wald\*

40

60

80

100 25

50

75

**Expected Quantiles** 

100

125

50

100

150