Figure 4–Equivalent: Impact of Carryover Modeling on Statistical Power
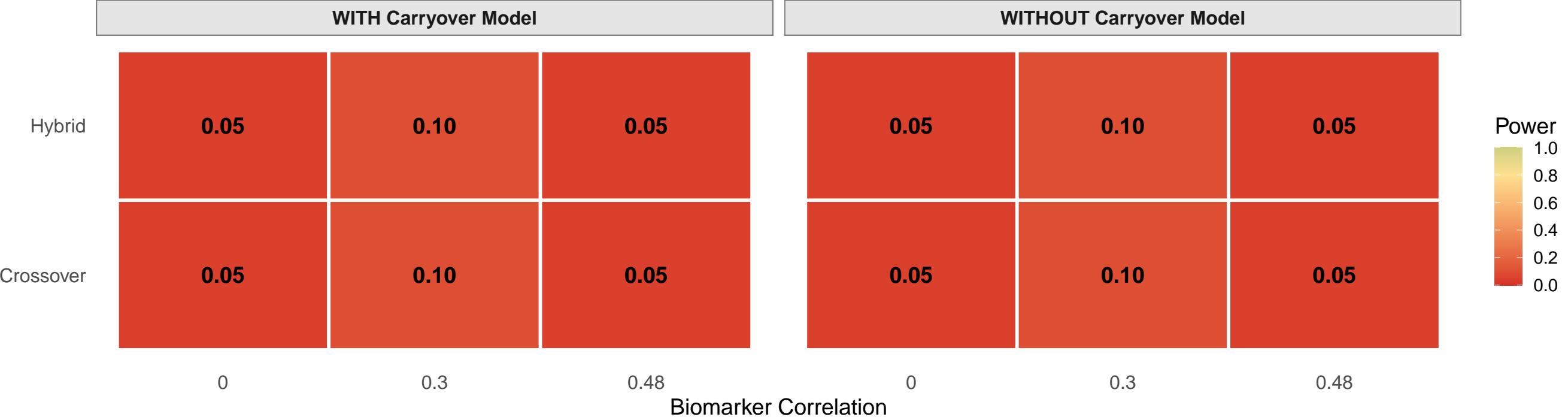
Monte Carlo simulation (N=70 participants, 20 iterations per combination)
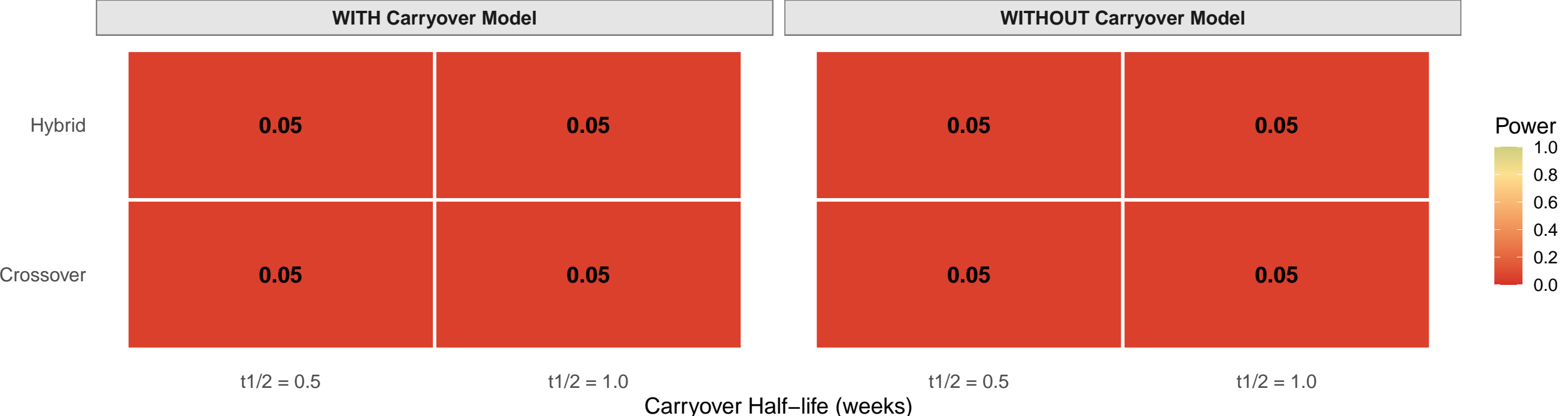
A. No Carryover (Half–life = 0)

Power by Biomarker Correlation

B. With Carryover (Biomarker Correlation = 0.48)

Power by Carryover Half–life

Comparison of analysis approaches:
. WITH Carryover Model: Controls for carryover as covariate (our enhancement)
. WITHOUT Carryover Model: Ignores carryover (Hendrickson approach)