

**Inferences and Effect Sizes for Direct, Indirect, and Total Effects in Continuous-Time
Mediation Models (Supplementary Materials)**

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Links

Research Compendium

The data and materials for this study are available on OSF (<https://osf.io/qwnmf>) and GitHub (<https://github.com/jeksterslab/manCTMed>, <https://jeksterslab.github.io/manCTMed/index.html>).

cTMed R Package

Source code and documentation for the **cTMed** R package are available on GitHub (<https://github.com/jeksterslab/cTMed>, <https://jeksterslab.github.io/cTMed/index.html>).

Illustration 1

<https://jeksterslab.github.io/manCTMed/articles/fig-example-1.html>

Illustration 2

<https://jeksterslab.github.io/manCTMed/articles/fig-example-2.html>

Illustration 3

<https://jeksterslab.github.io/manCTMed/articles/fig-example-3.html>

Single Replication from the Simulation Study

<https://jeksterslab.github.io/manCTMed/articles/replication.html>

Containers for Reproducibility

<https://jeksterslab.github.io/manCTMed/articles/containers.html>

Figures

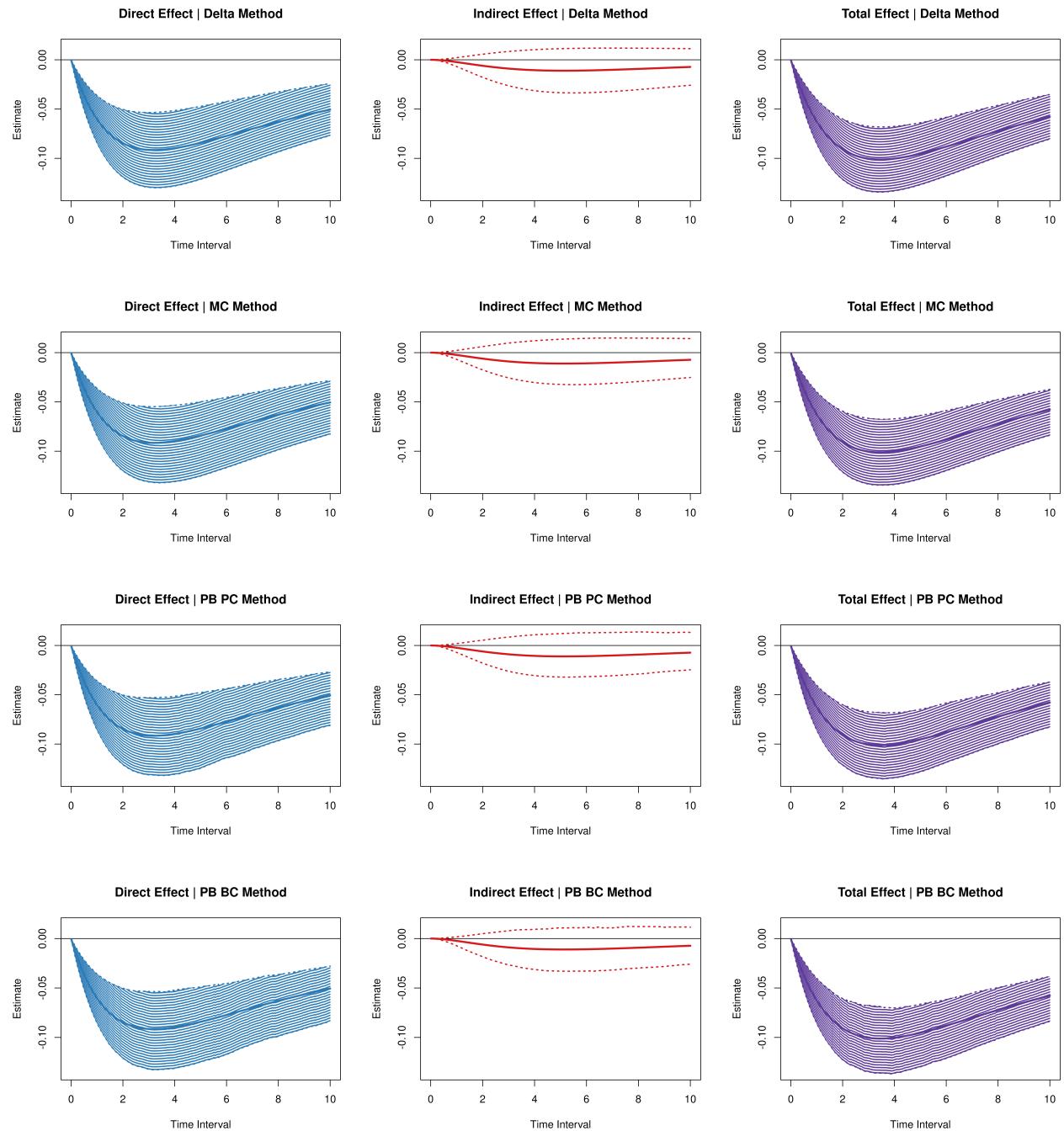
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Figure 1

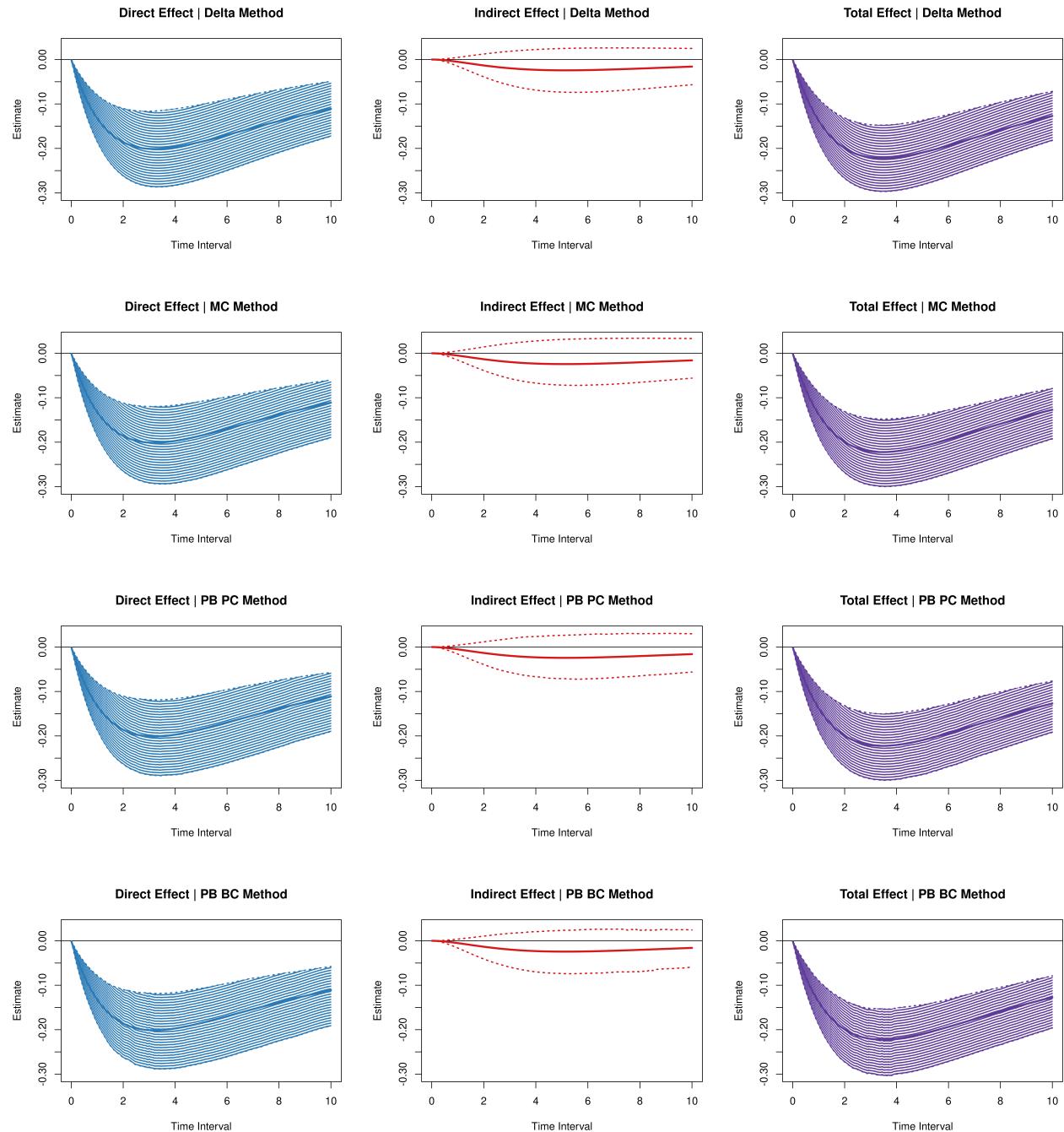
Regions of Significance for the Direct, Indirect, and Total Effects (Conflict → Knowledge → Competence)



Note: The shaded areas represent regions of significance, that is, instances where the 95% CIs did not contain zero for a given time interval.

Figure 2

Regions of Significance for the Standardized Direct, Indirect, and Total Effects (Conflict → Knowledge → Competence)



Note: The shaded areas represent regions of significance, that is, instances where the 95% CIs did not contain zero for a given time interval.

Figure 3
Monte Carlo Simulation Study Coverage Probabilities (Δt from 1 to 25 / Moderate Coupling / Unstandardized)

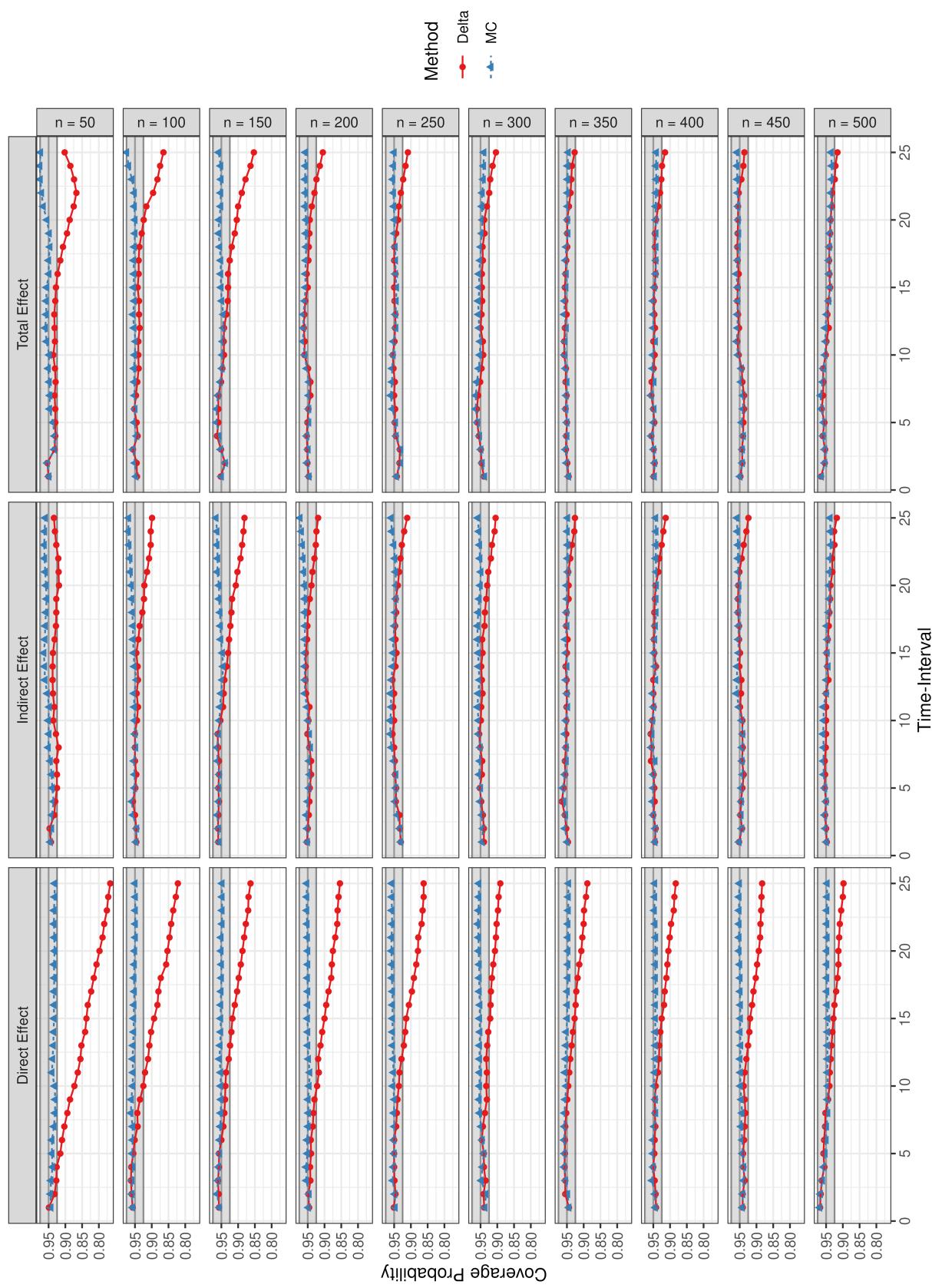
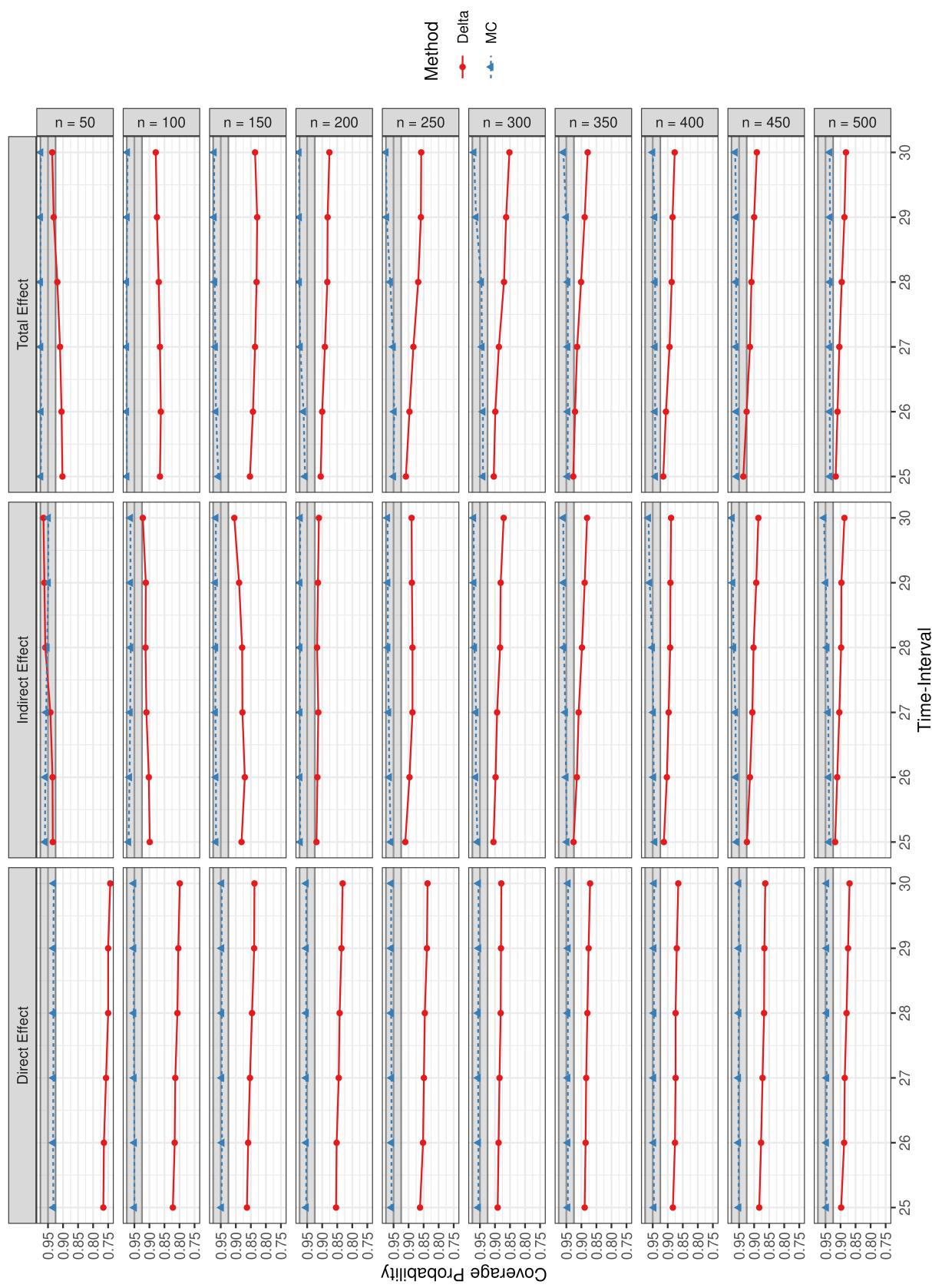


Figure 4
Monte Carlo Simulation Study Coverage Probabilities (Δt from 25 to 30 / Moderate Coupling / Unstandardized)



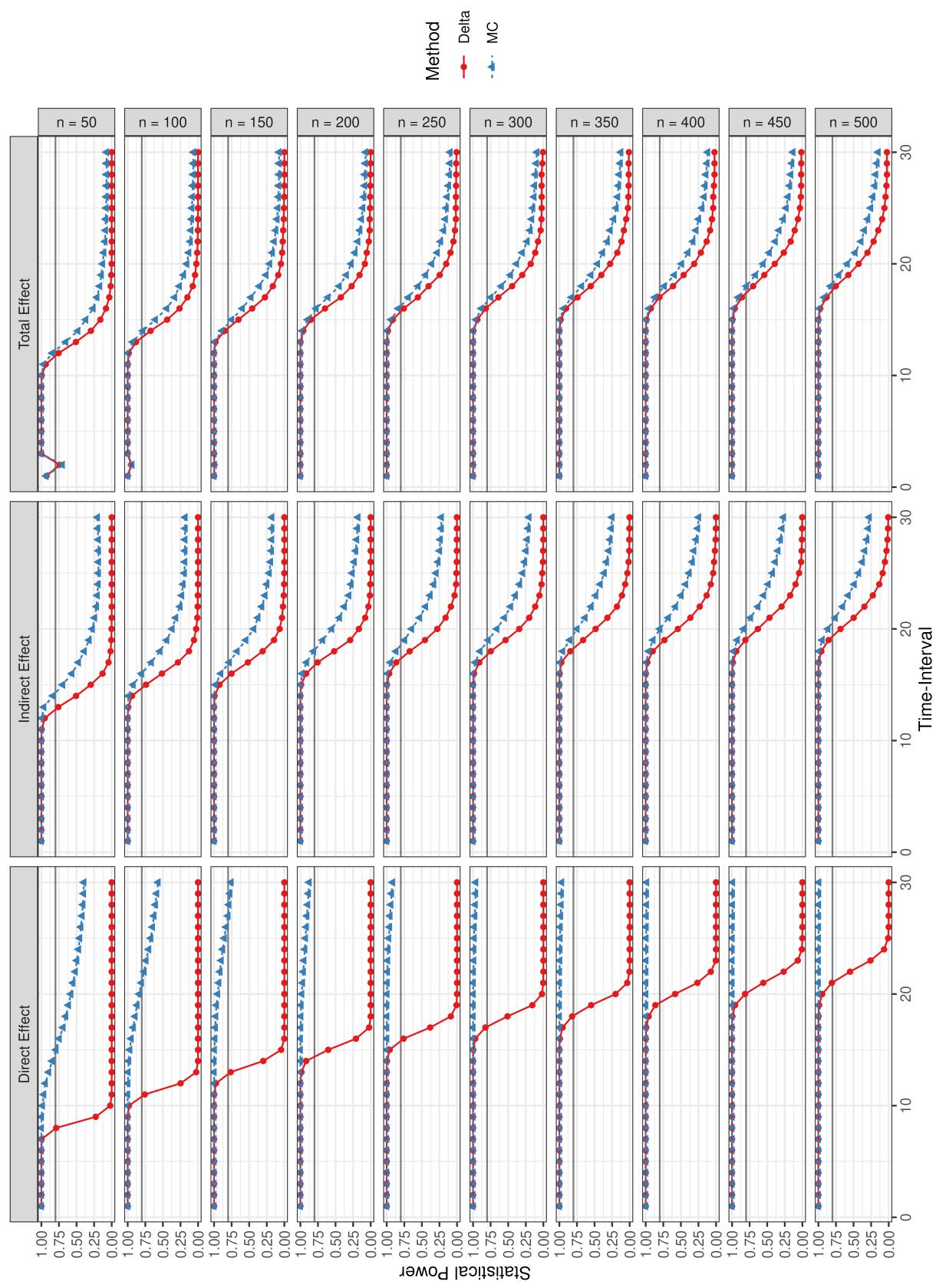


Figure 6
Monte Carlo Simulation Study Type I Error Rate (Moderate Coupling / Unstandardized)

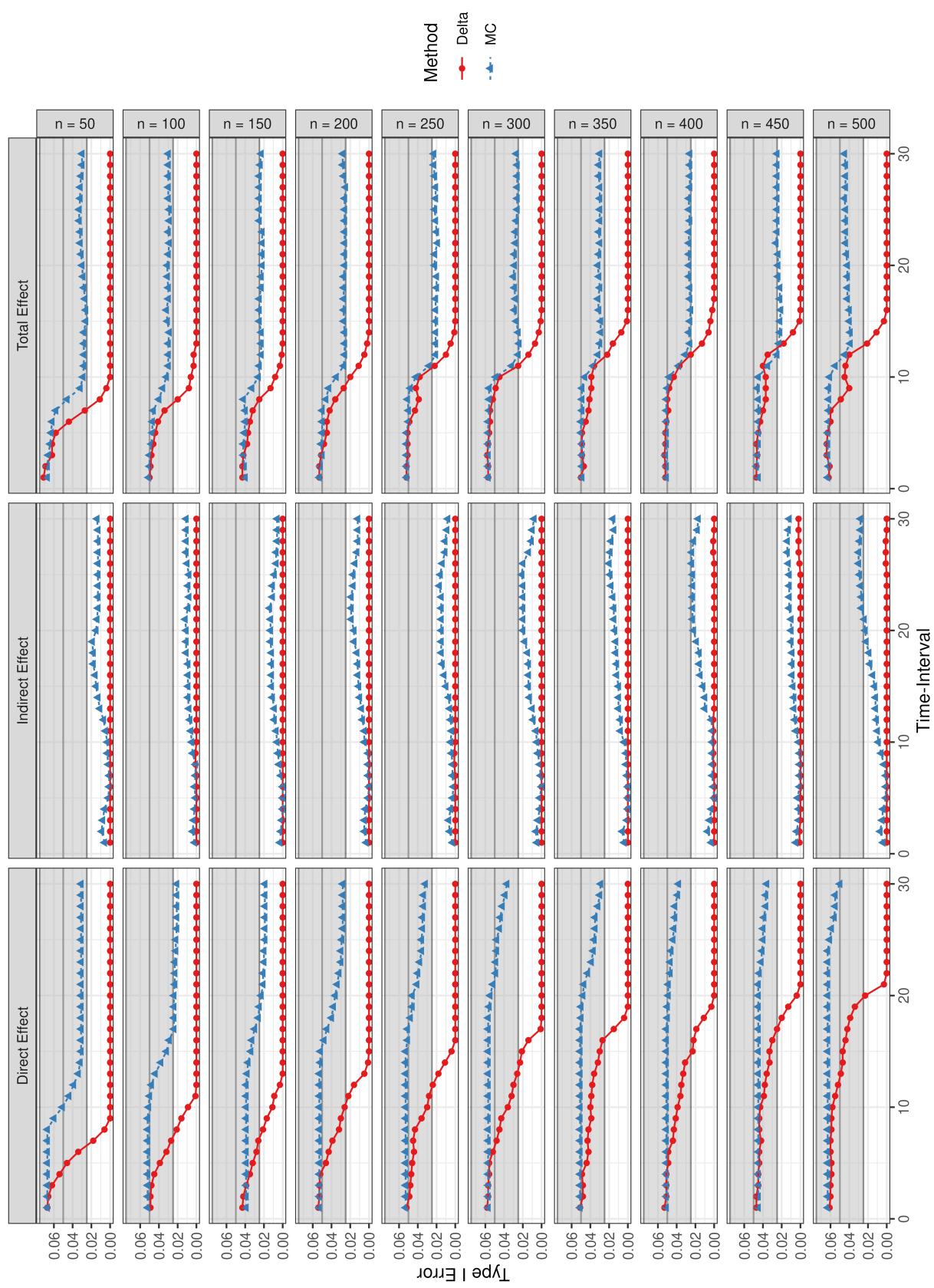


Figure 7
Monte Carlo Simulation Study Coverage Probabilities (Δt from 1 to 25 / Moderate Coupling / Standardized)

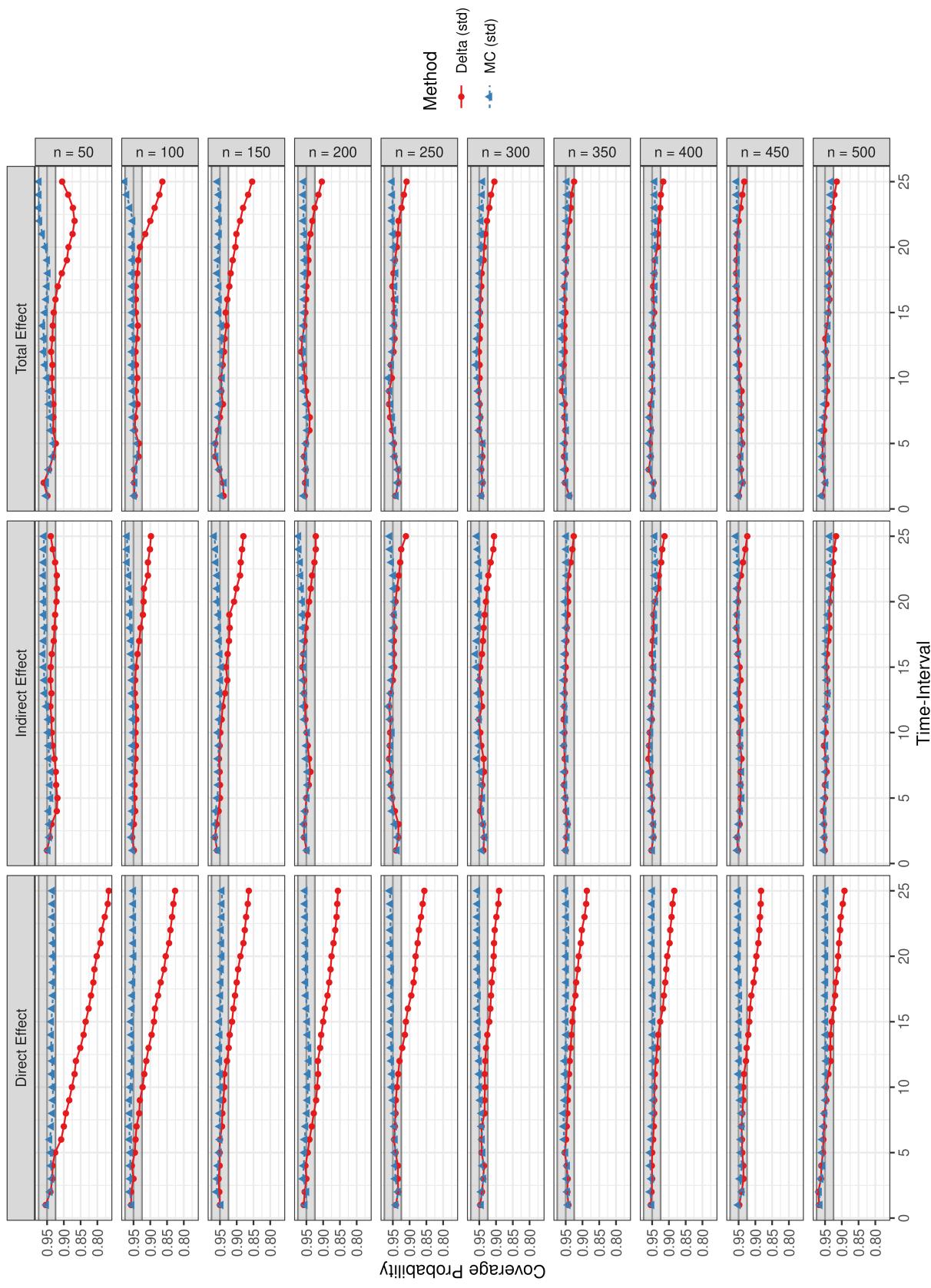


Figure 8
Monte Carlo Simulation Study Coverage Probabilities (Δt from 25 to 30 / Moderate Coupling / Standardized)

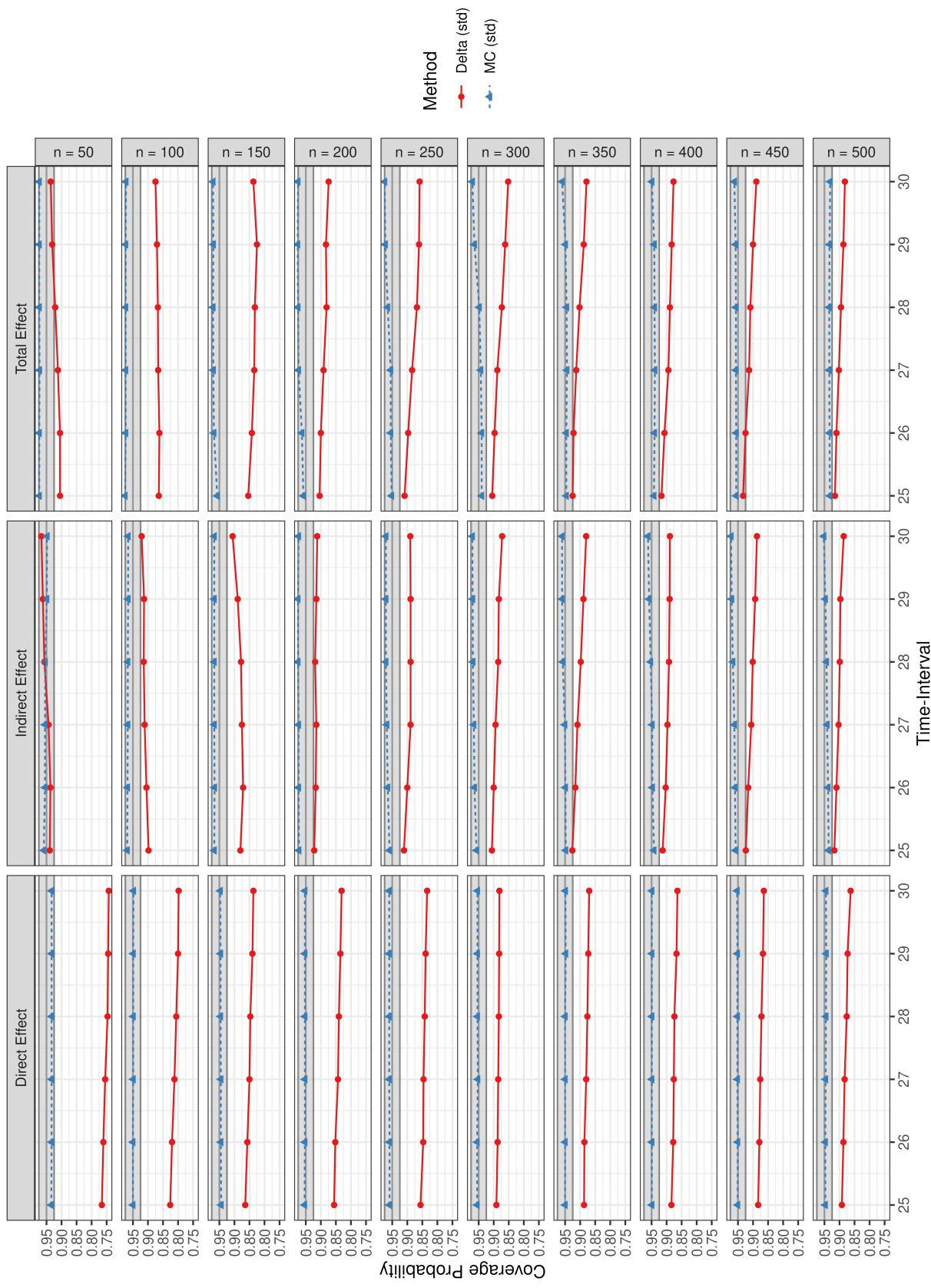


Figure 9
Monte Carlo Simulation Study Statistical Power (Moderate Coupling / Standardized)

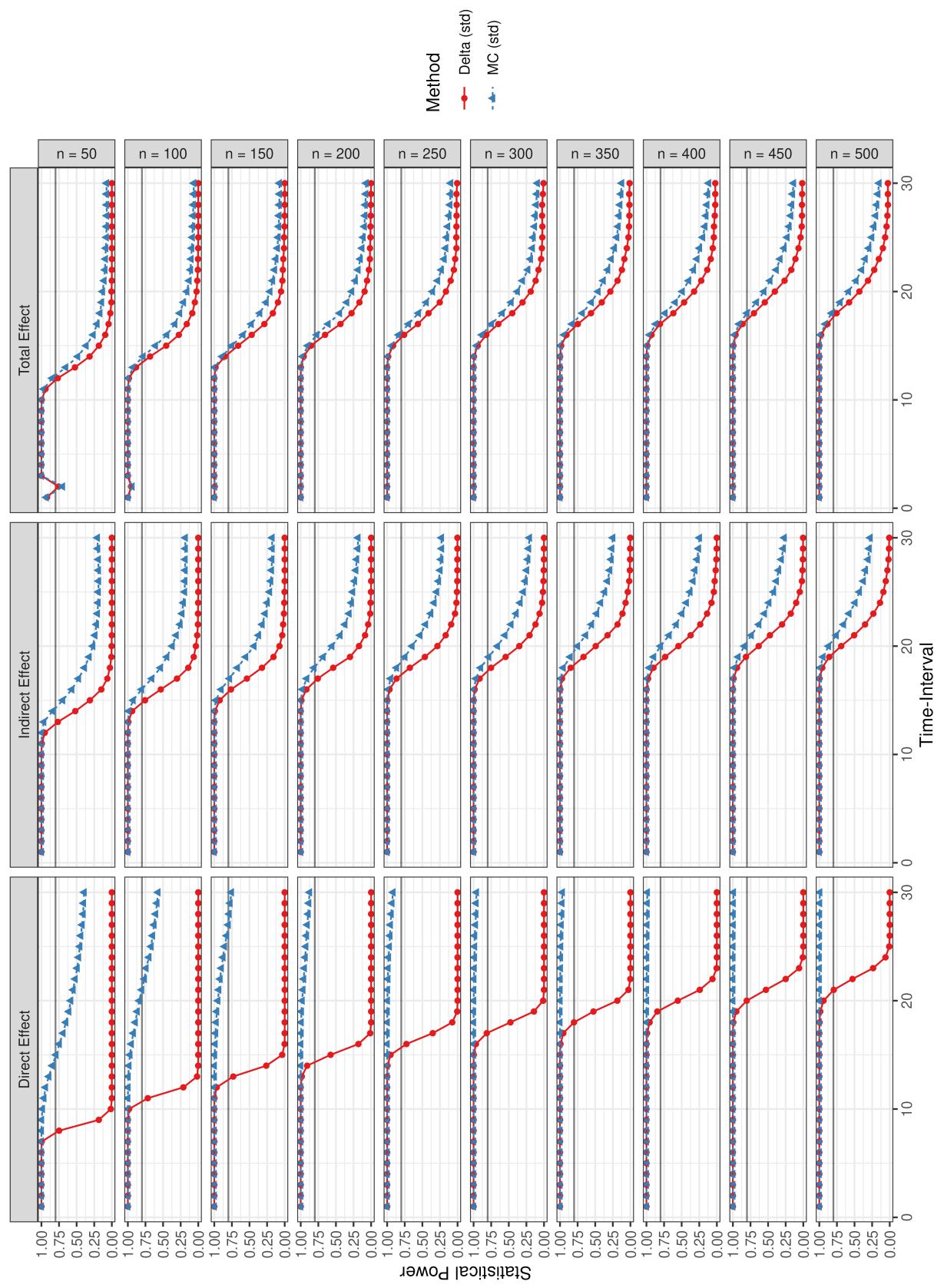


Figure 10
Monte Carlo Simulation Study Type I Error Rate (Moderate Coupling / Standardized)

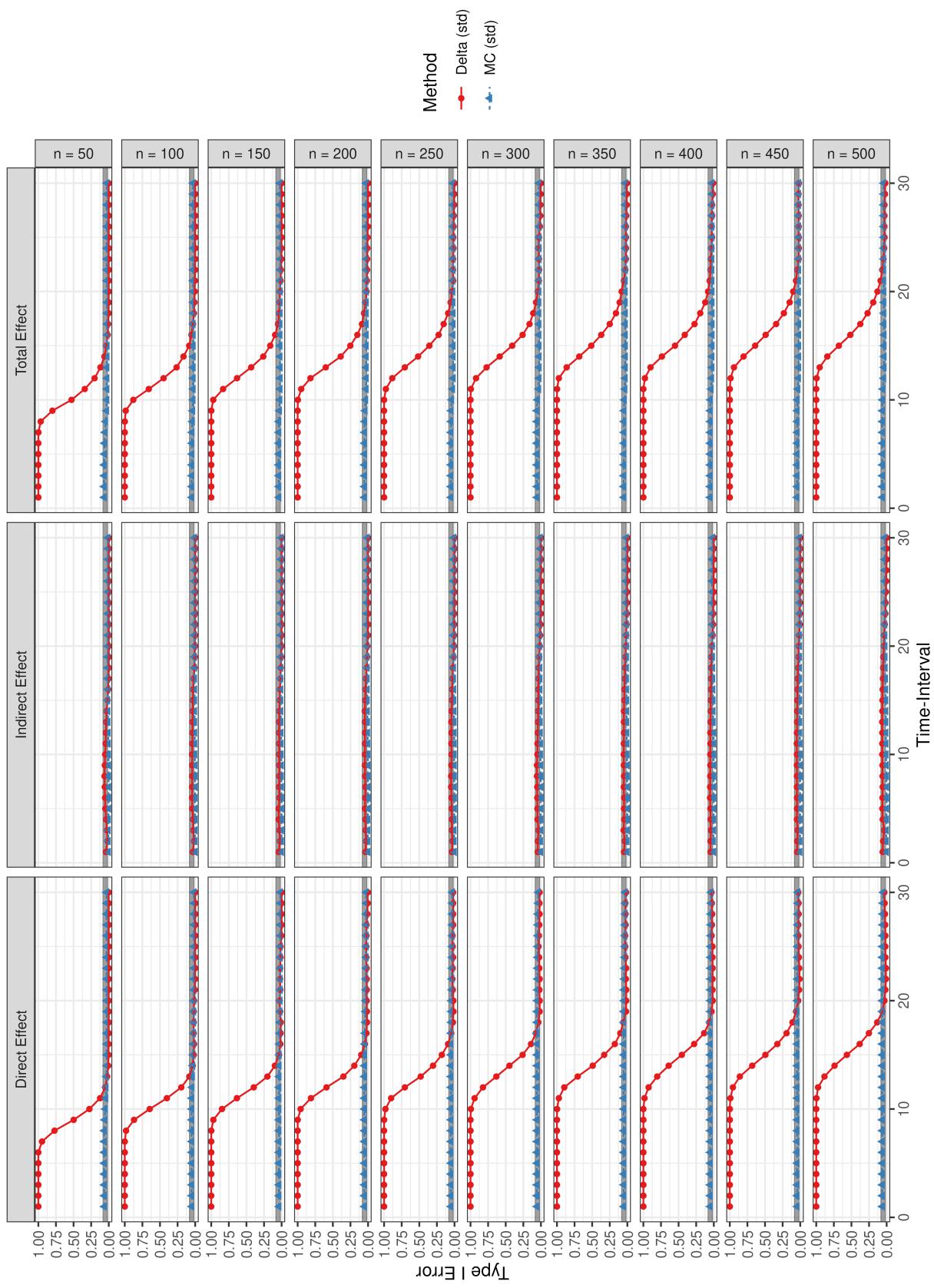


Figure 11
Monte Carlo Simulation Study Coverage Probabilities (Δt from 1 to 25 / Strong Coupling / Unstandardized)

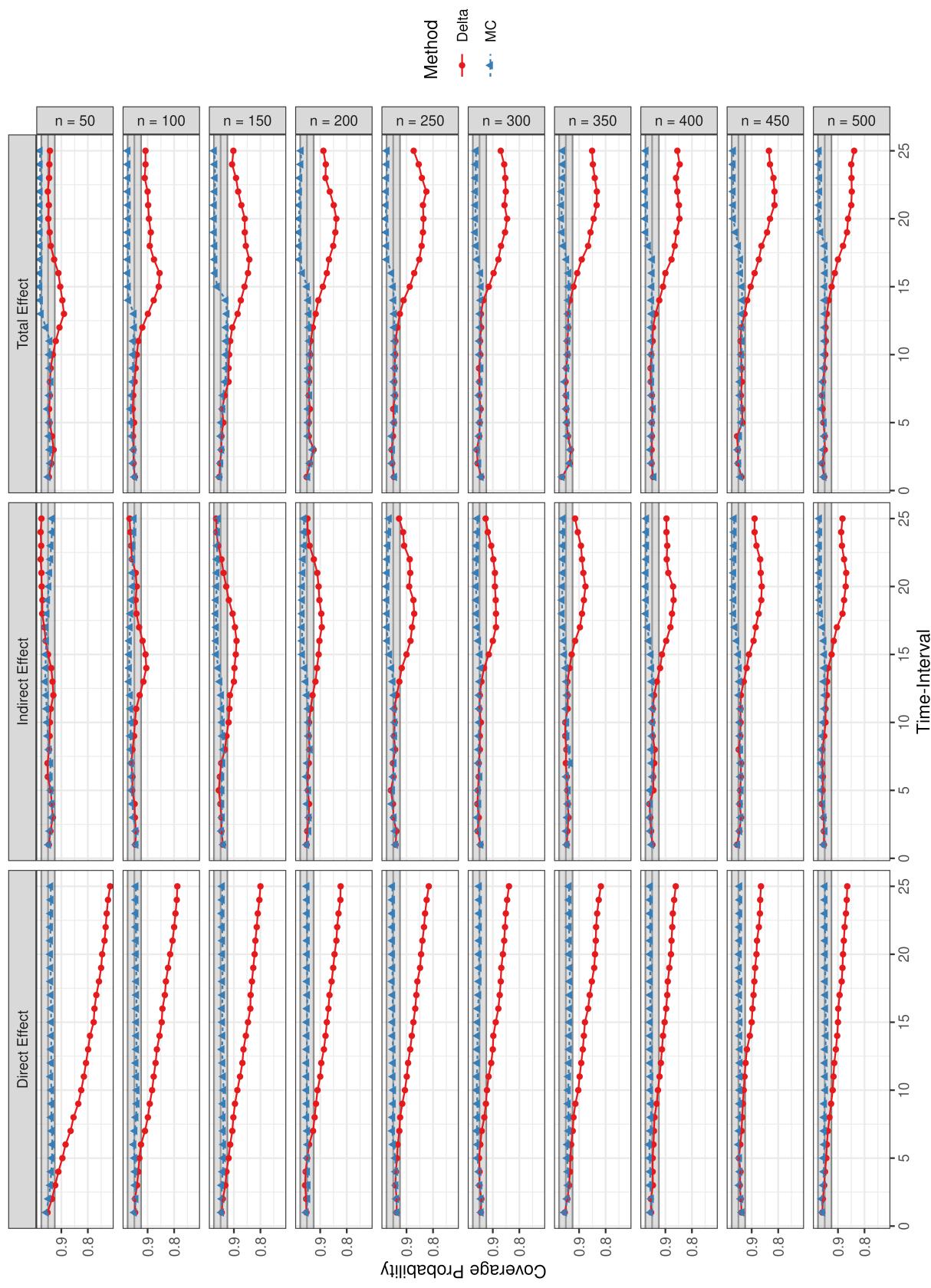


Figure 12 Monte Carlo Simulation Study Coverage Probabilities (Δt from 25 to 30 | Strong Coupling | Unstandardized)

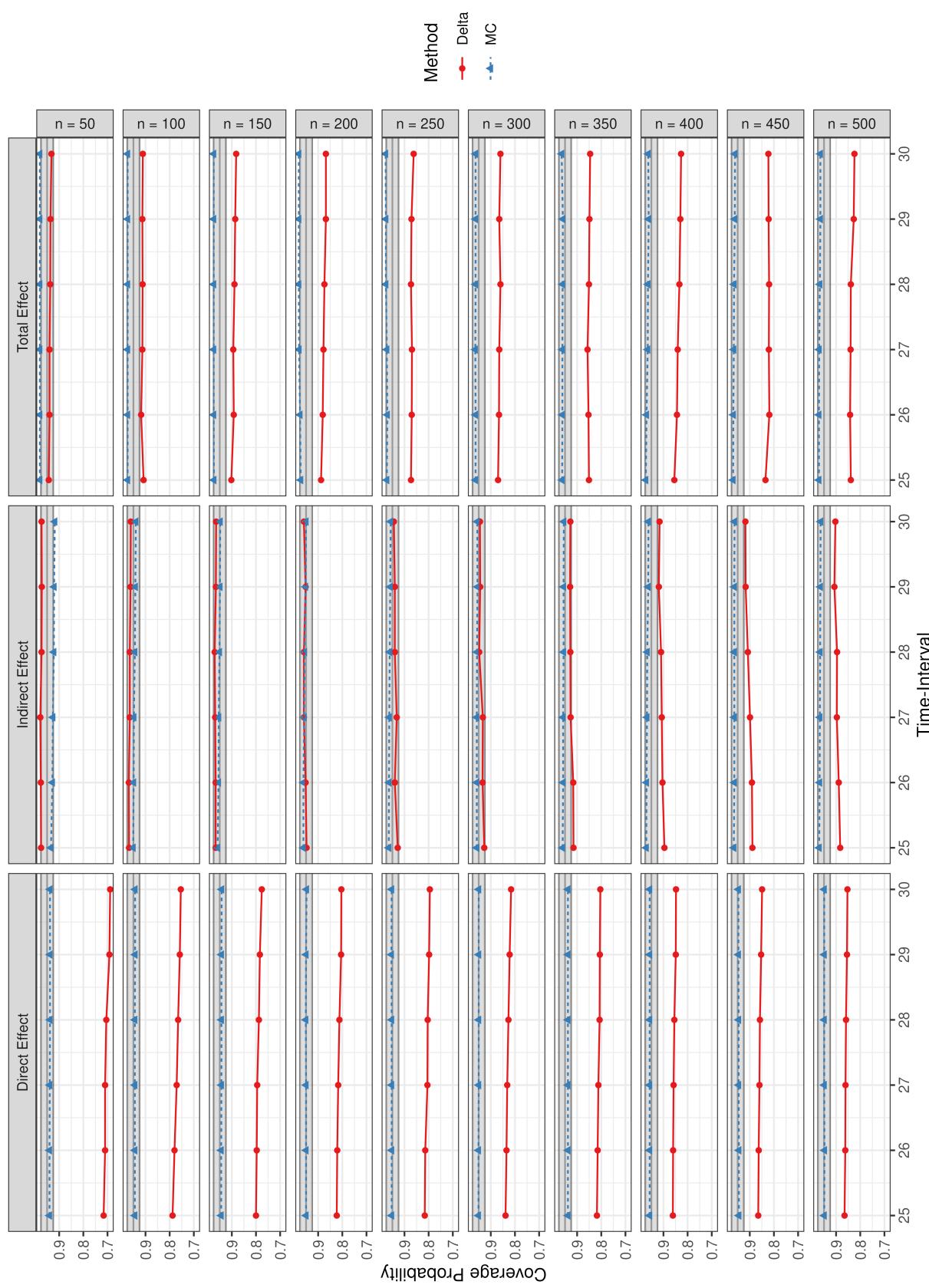


Figure 13
Monte Carlo Simulation Study Statistical Power (Strong Coupling / Unstandardized)

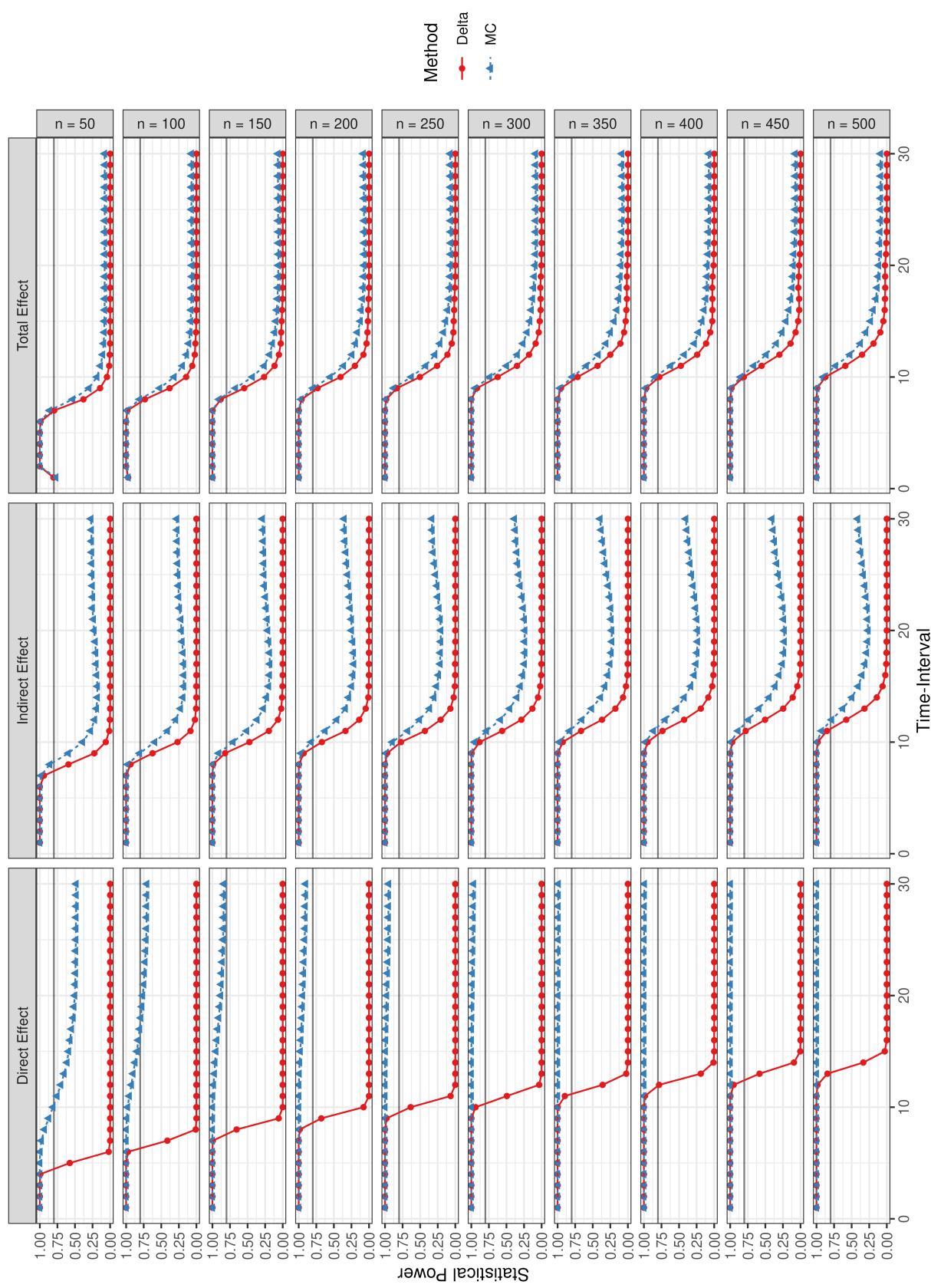


Figure 14
Monte Carlo Simulation Study Type I Error Rate (Strong Coupling / Unstandardized)

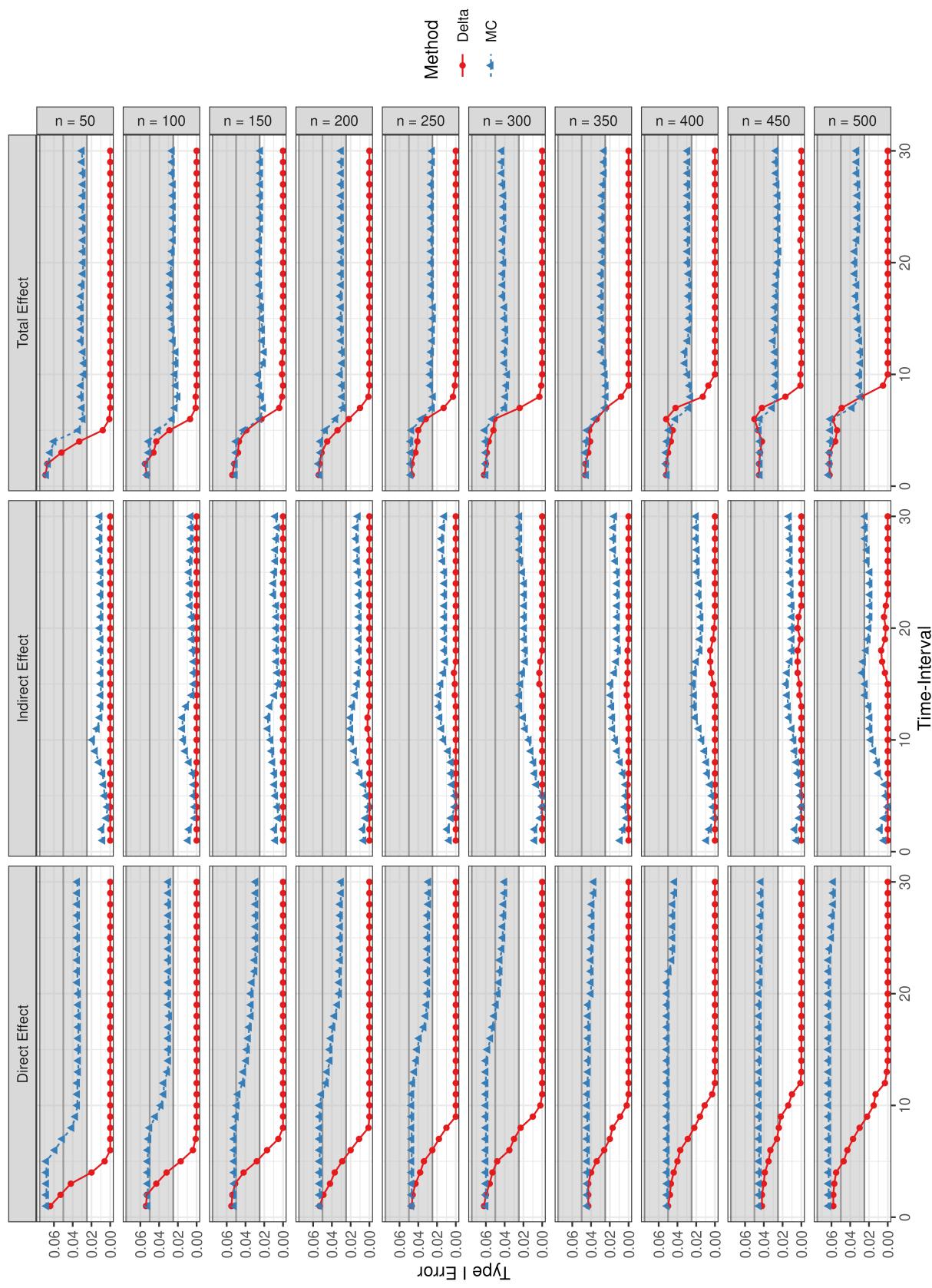


Figure 15
Monte Carlo Simulation Study Coverage Probabilities (Δt from 1 to 25 / Strong Coupling / Standardized)

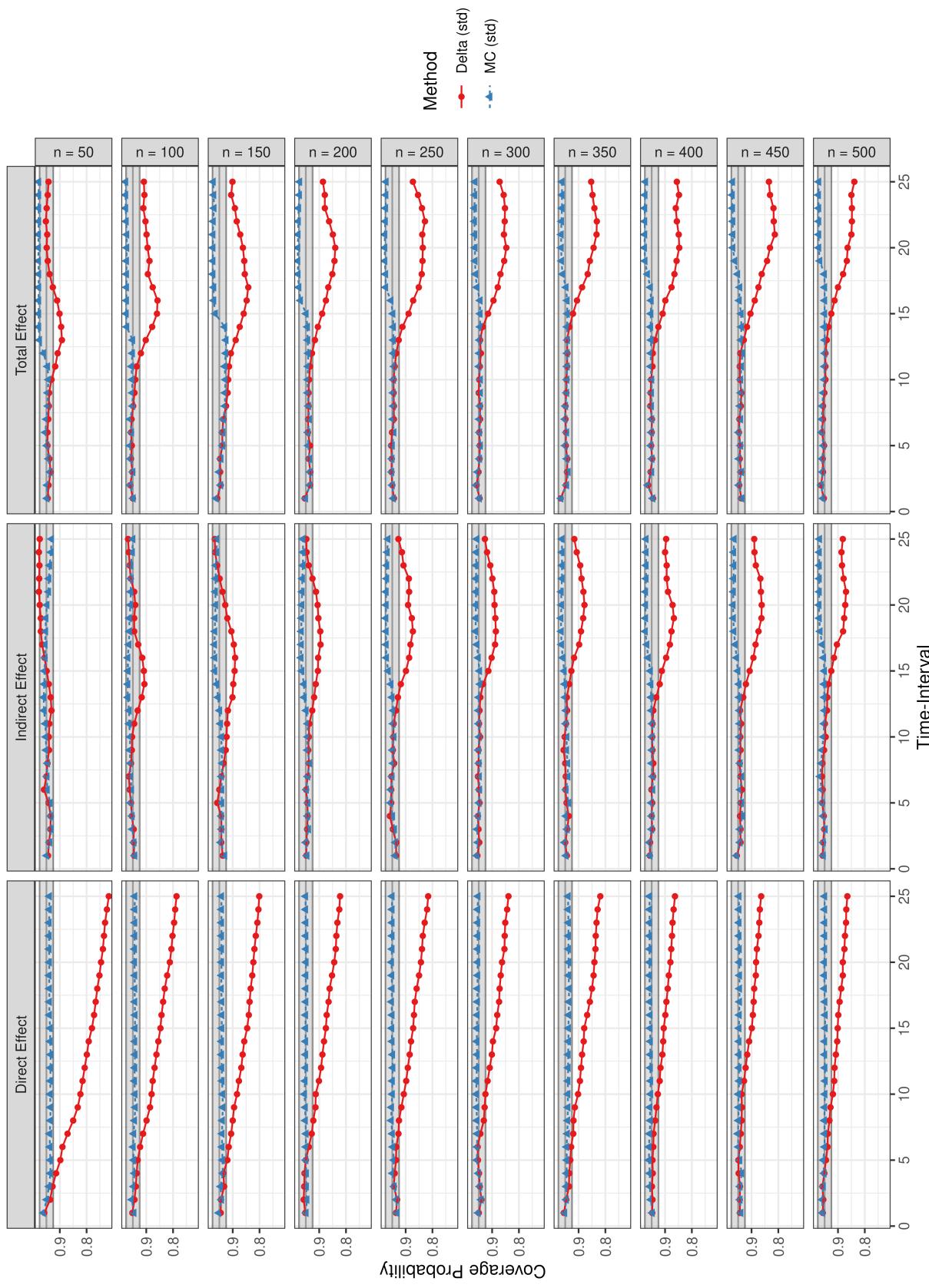


Figure 16
Monte Carlo Simulation Study Coverage Probabilities (Δt from 25 to 30 / Strong Coupling / Standardized)

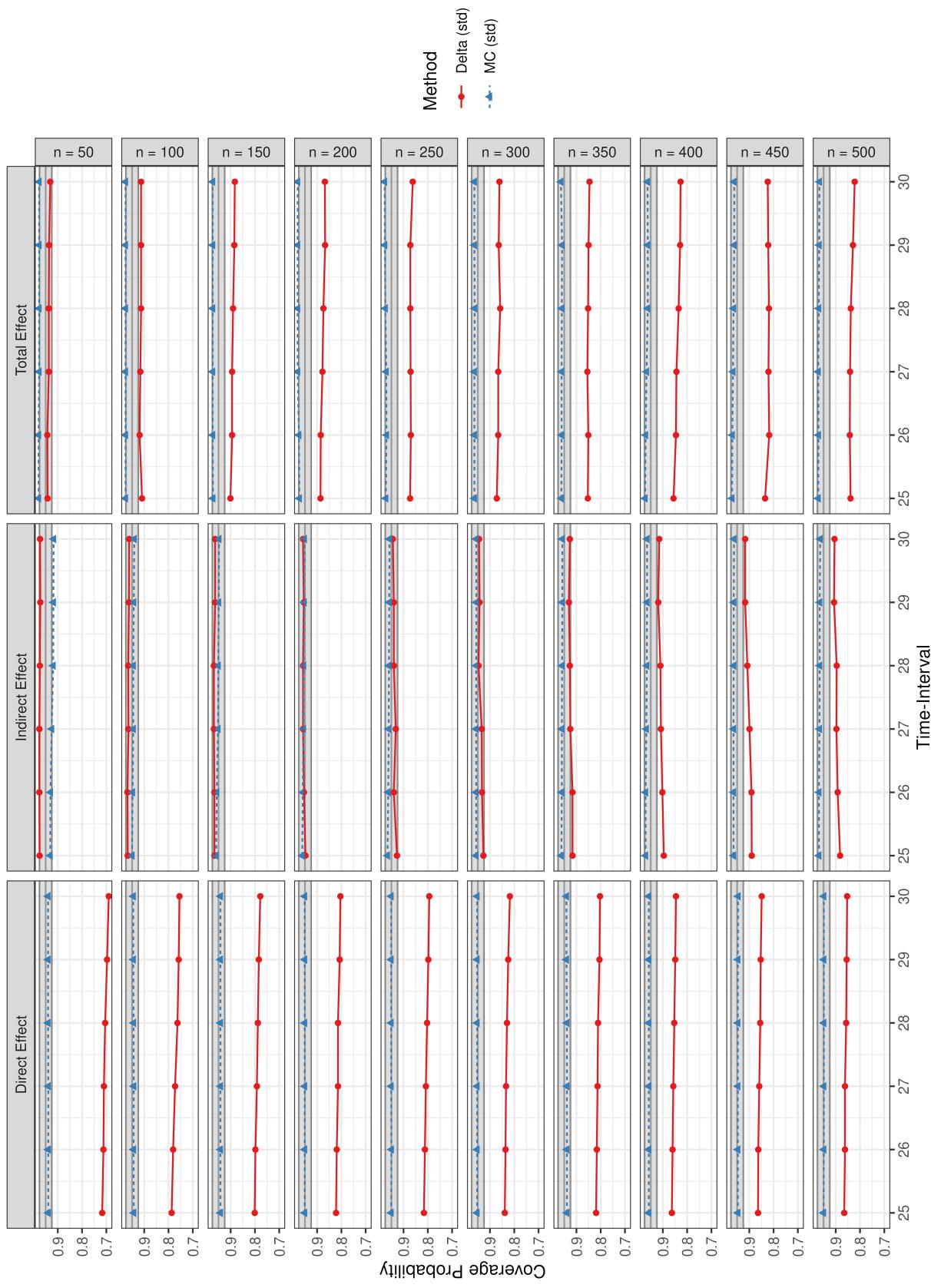


Figure 17
Monte Carlo Simulation Study Statistical Power (Strong Coupling / Standardized)

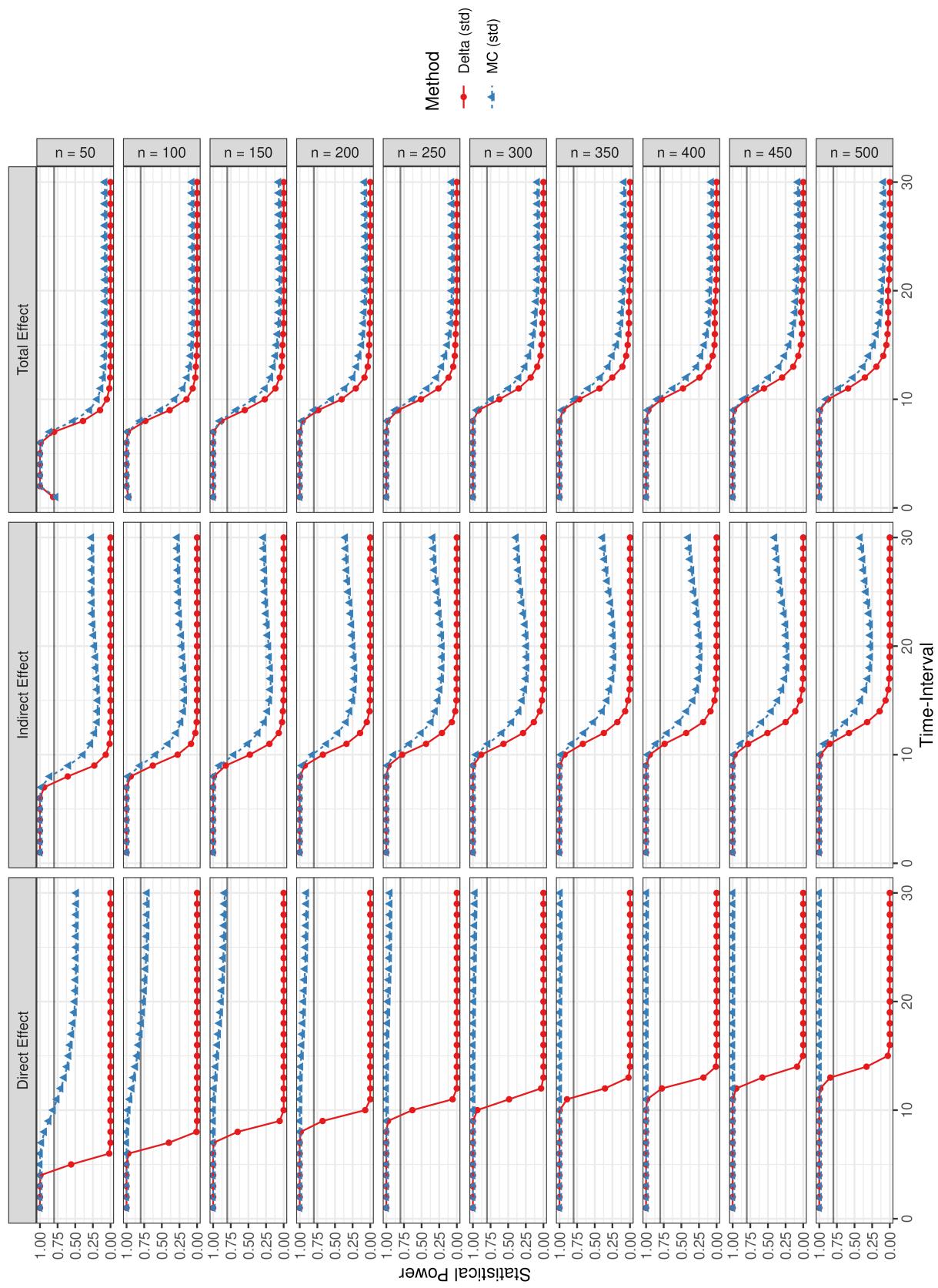


Figure 18
Monte Carlo Simulation Study Type I Error Rate (Strong Coupling / Standardized)

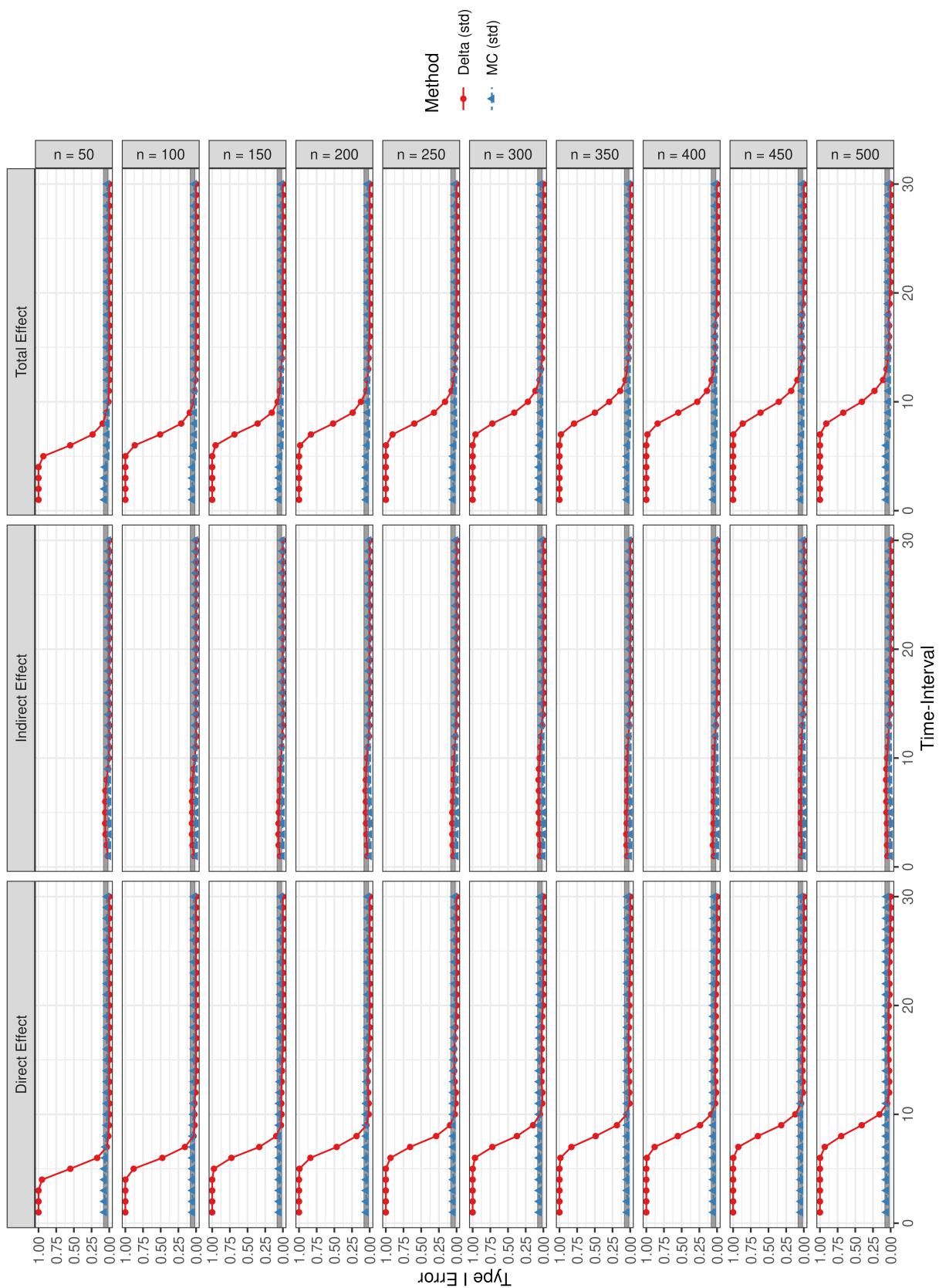


Figure 19
Monte Carlo Simulation Study Coverage Probabilities (Δt from 1 to 25 / Weak Coupling / Unstandardized)

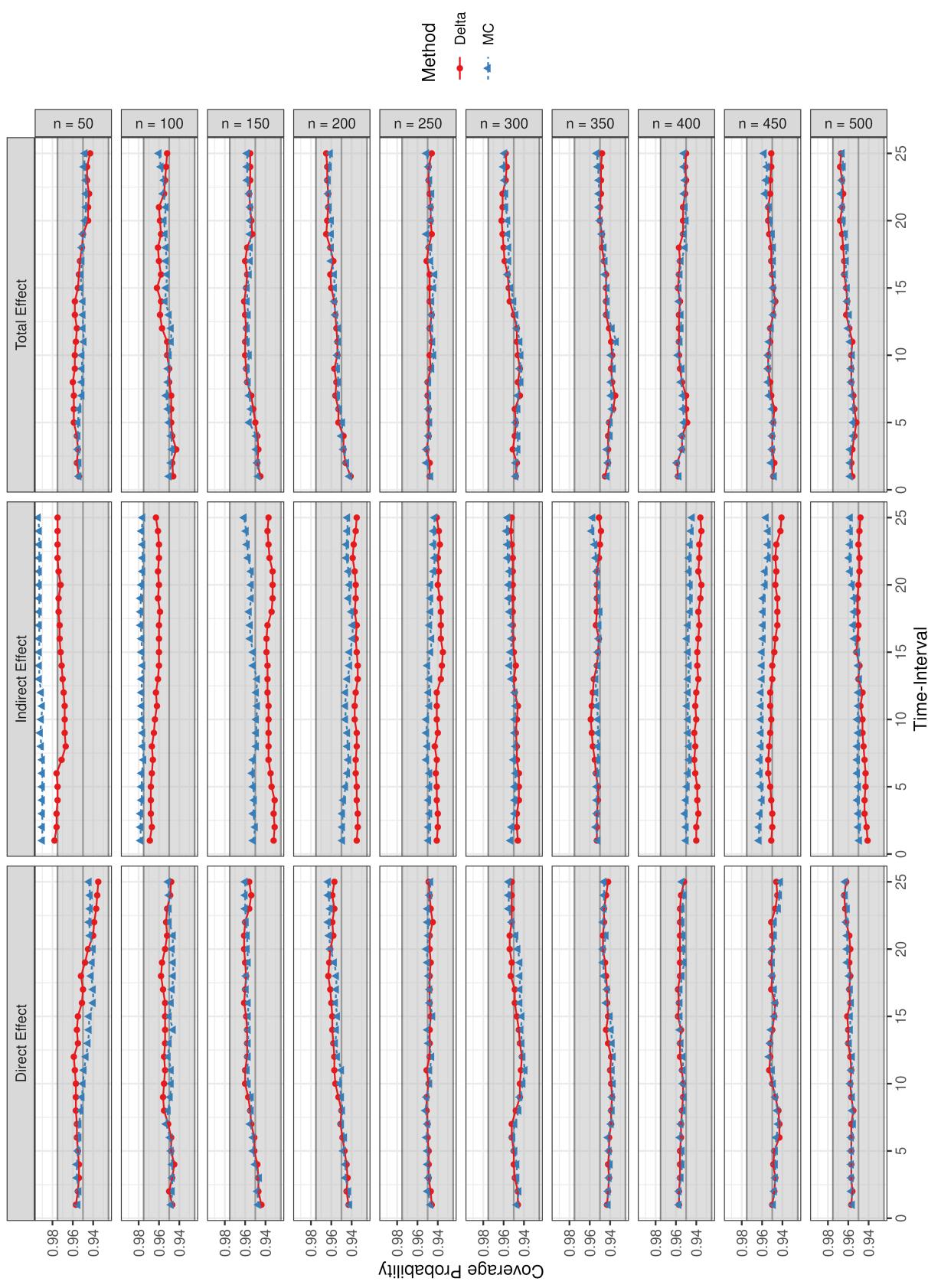


Figure 20
Monte Carlo Simulation Study Coverage Probabilities (Δt from 25 to 30 / Weak Coupling / Unstandardized)

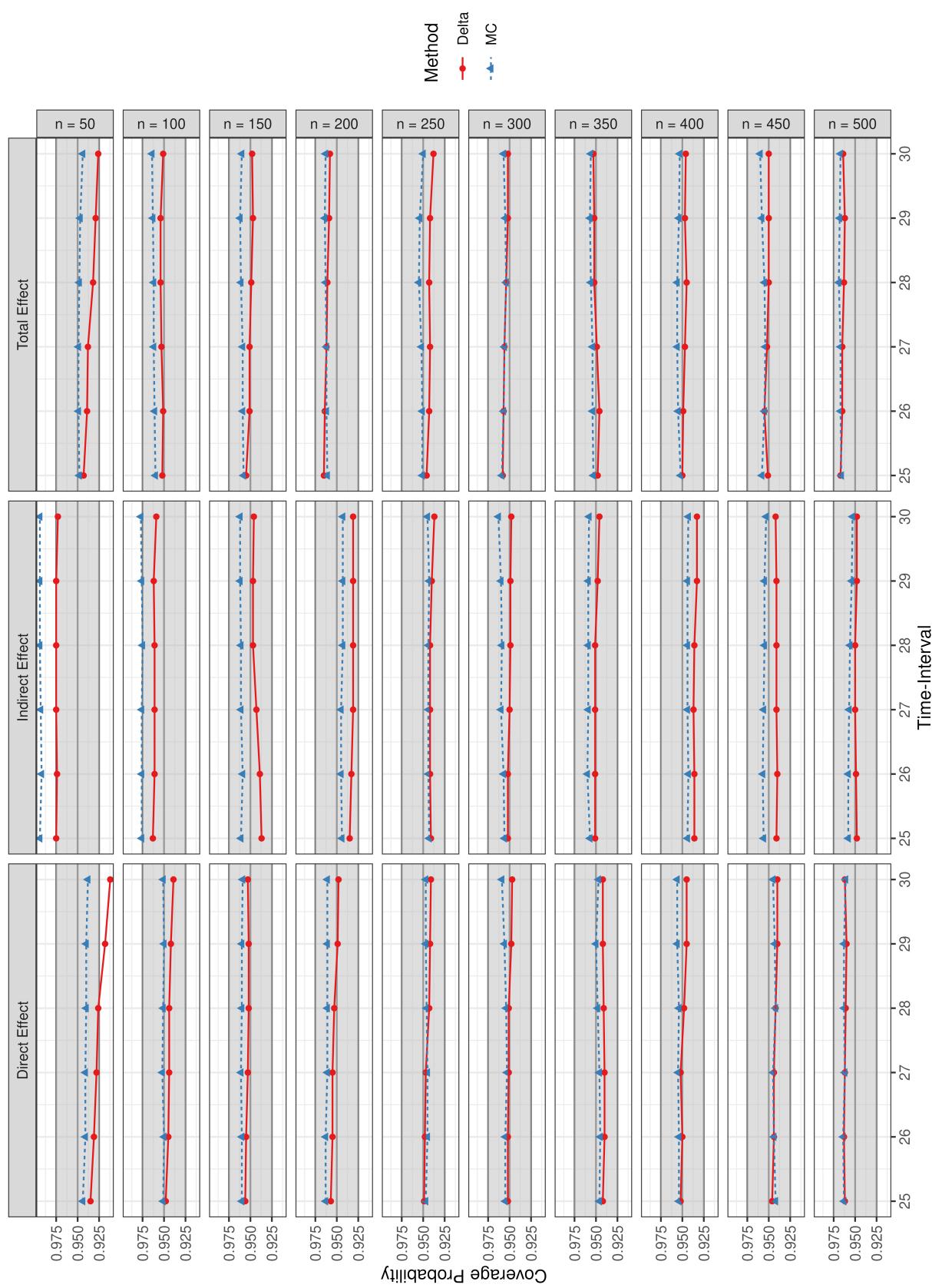


Figure 21
Monte Carlo Simulation Study Statistical Power (Weak Coupling / Unstandardized)

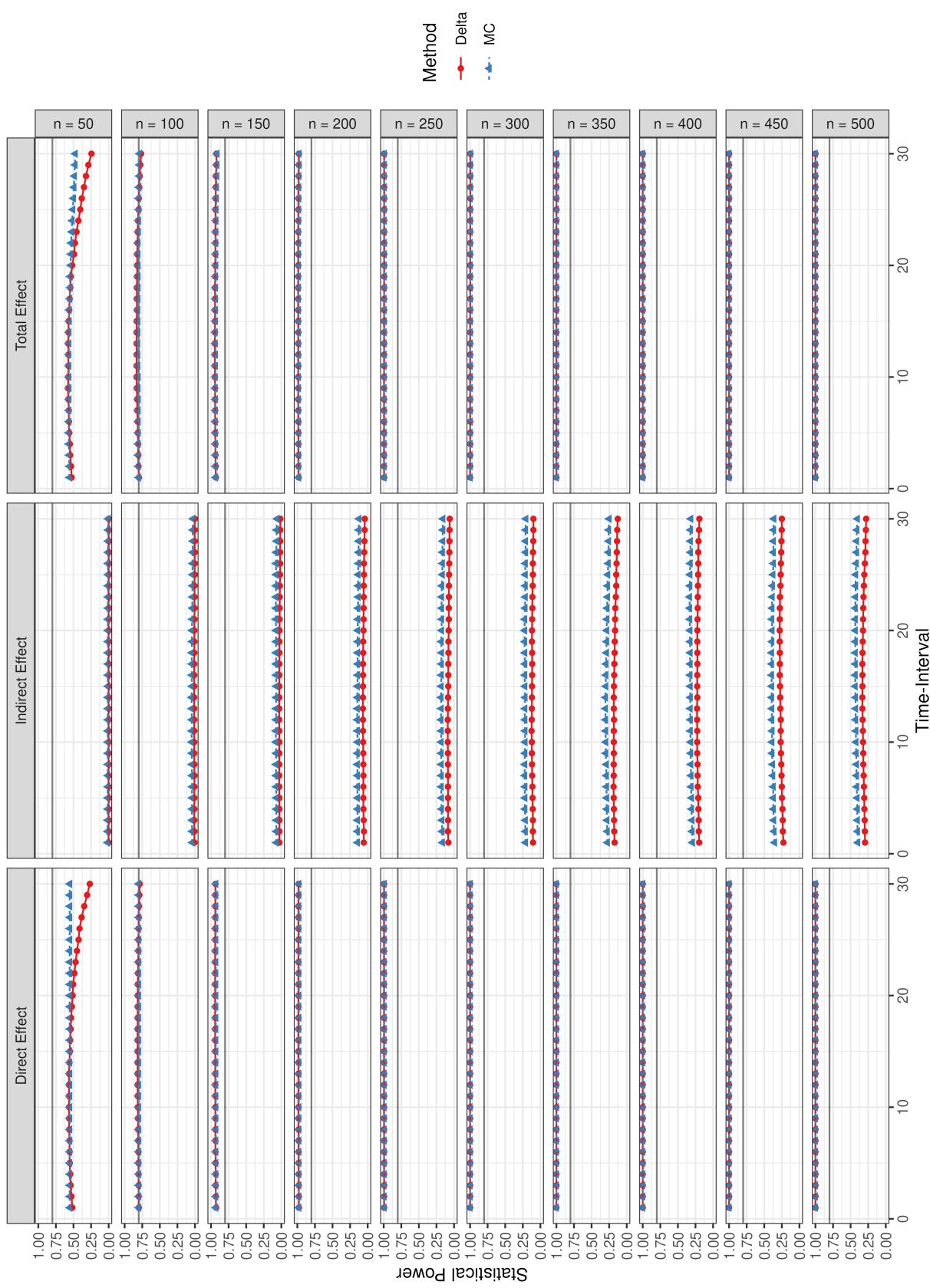


Figure 22
Monte Carlo Simulation Study Type I Error Rate (Weak Coupling / Unstandardized)

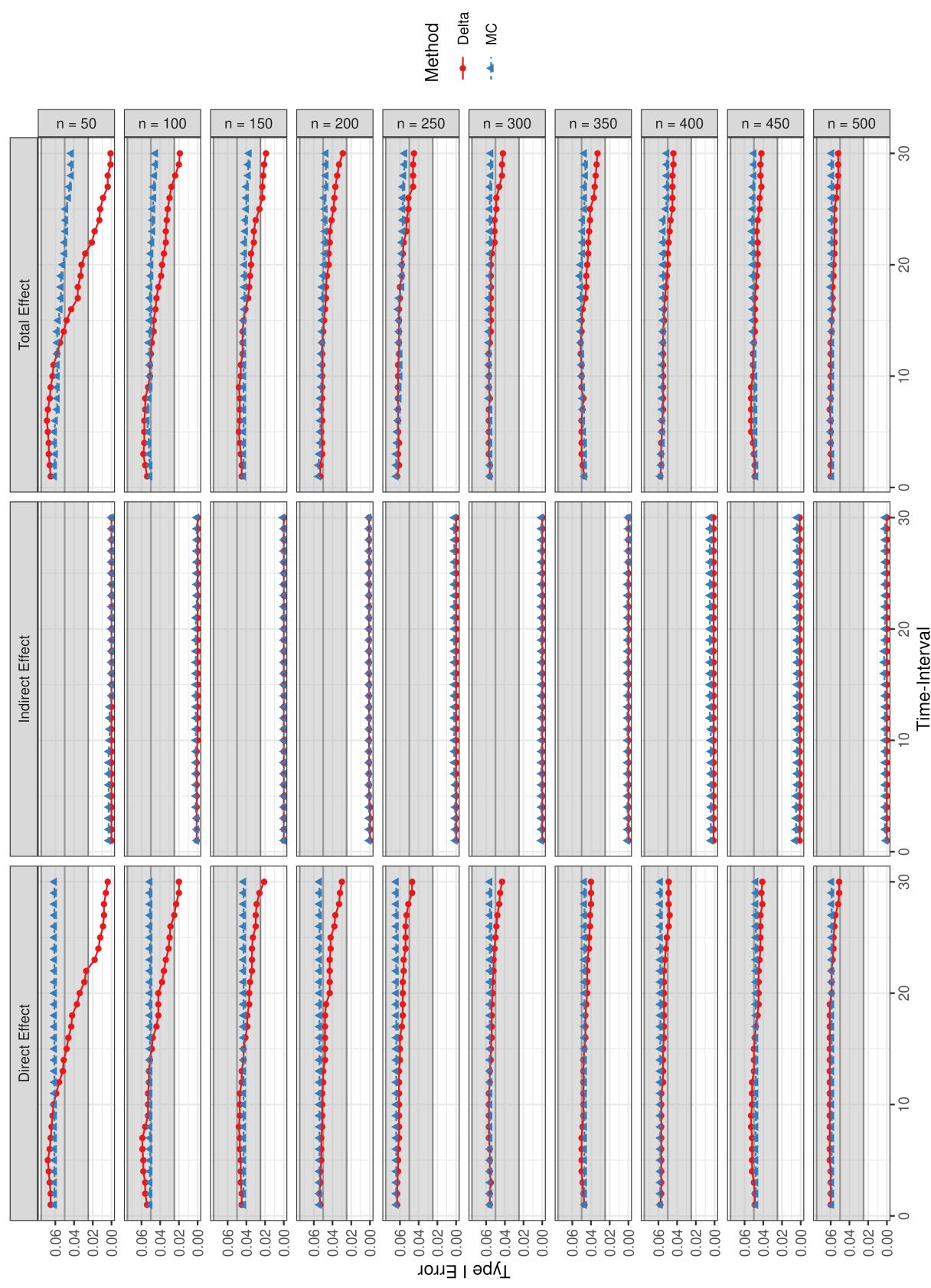


Figure 23
Monte Carlo Simulation Study Coverage Probabilities (Δt from 1 to 25 / Weak Coupling / Standardized)

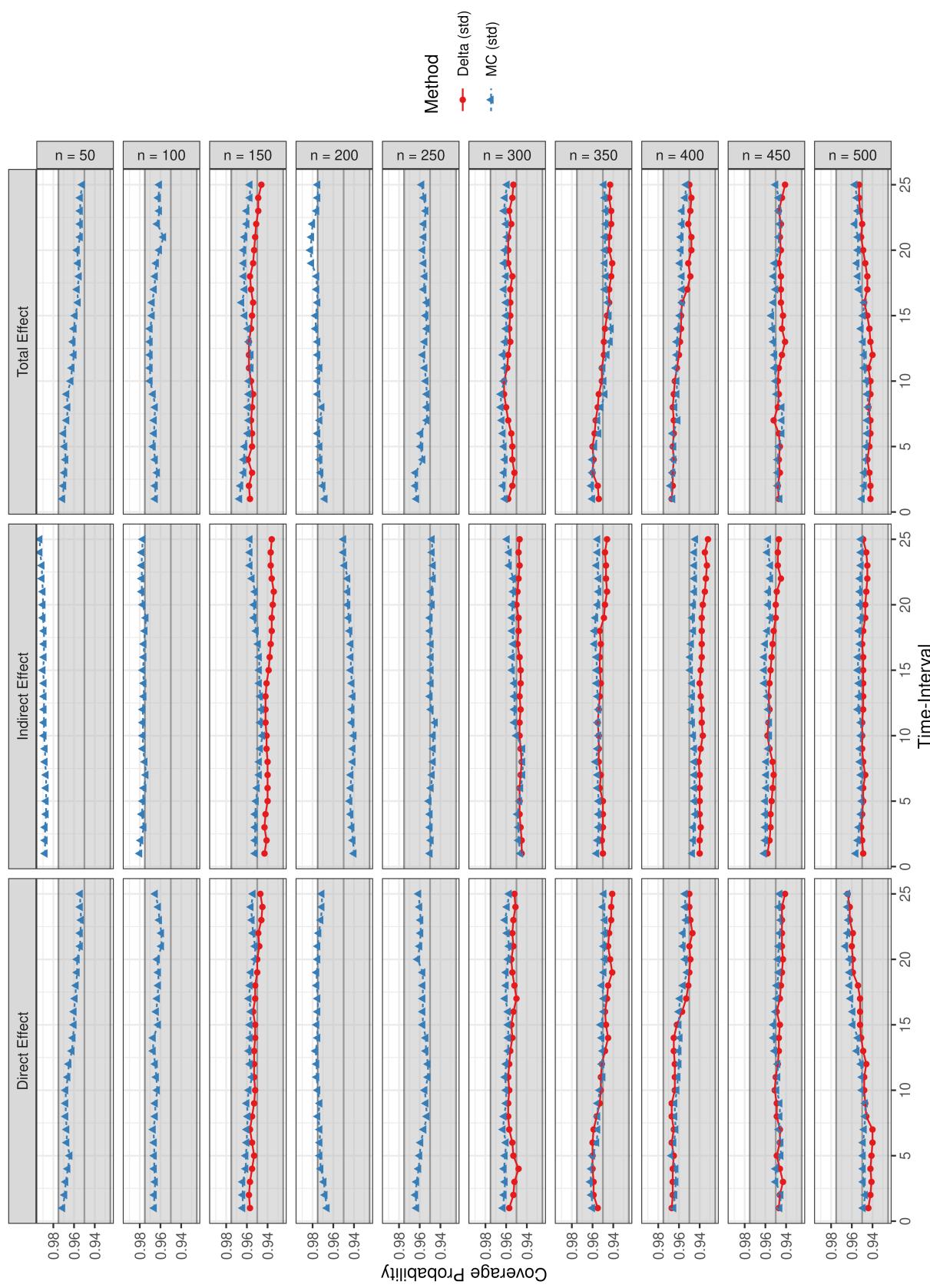


Figure 24
Monte Carlo Simulation Study Coverage Probabilities (Δt from 25 to 30 / Weak Coupling / Standardized)

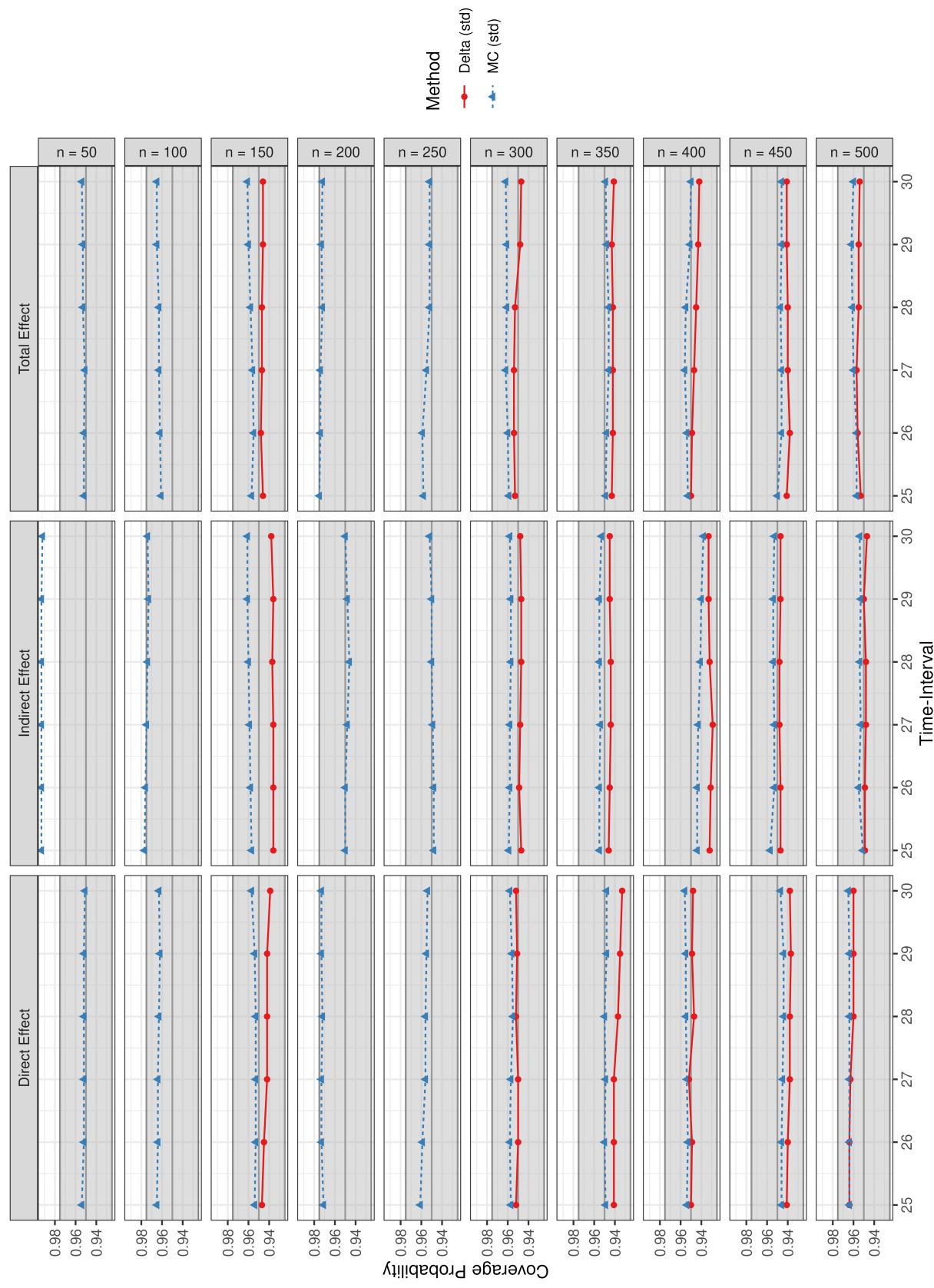


Figure 25 Monte Carlo Simulation Study Statistical Power (Weak Coupling | Standardized)

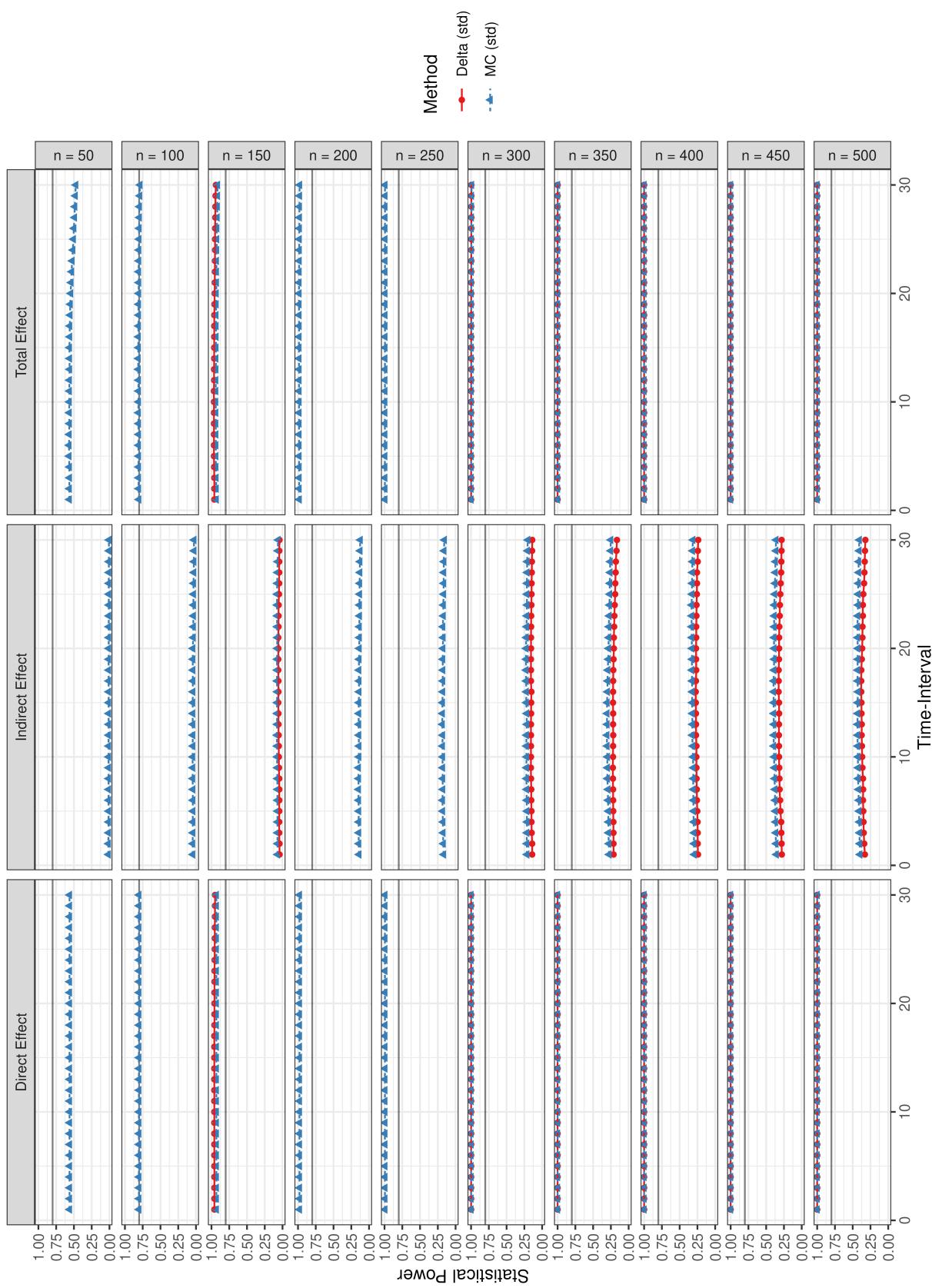


Figure 26
Monte Carlo Simulation Study Type I Error Rate (Weak Coupling / Standardized)

