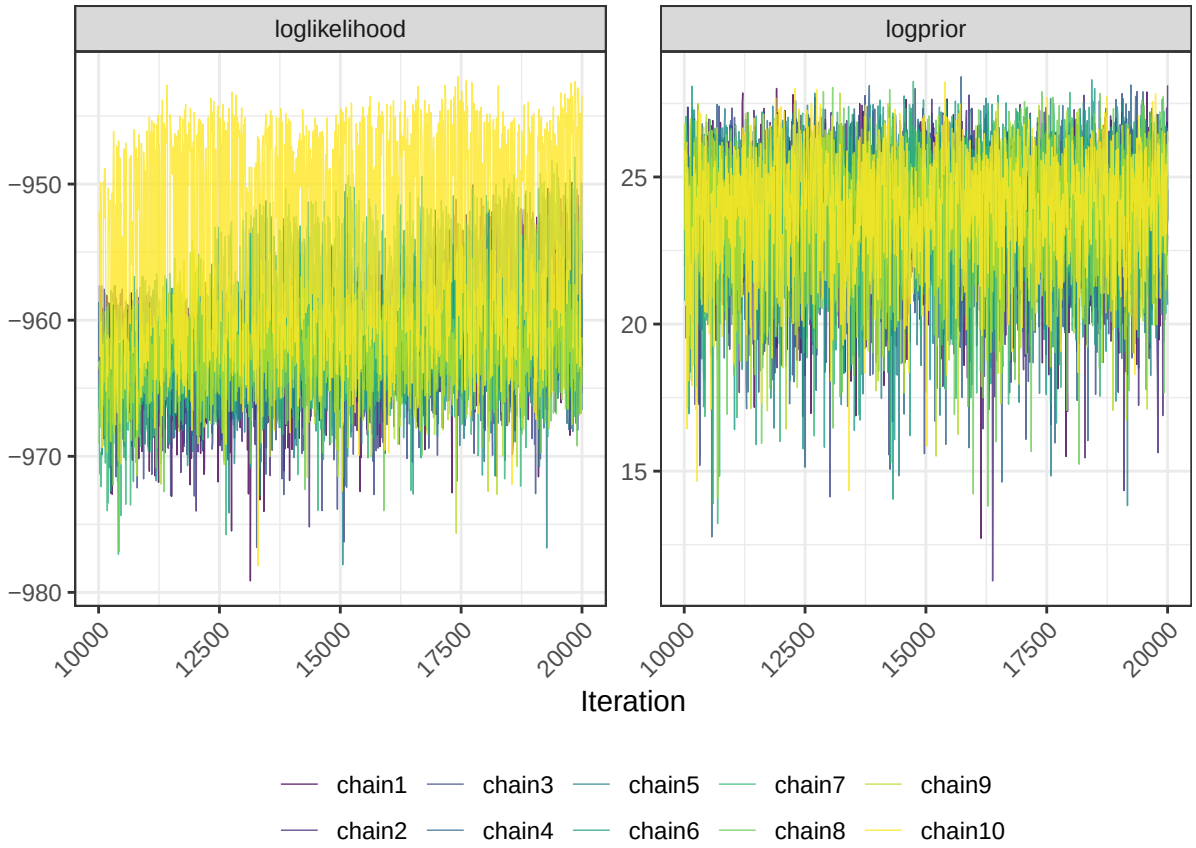
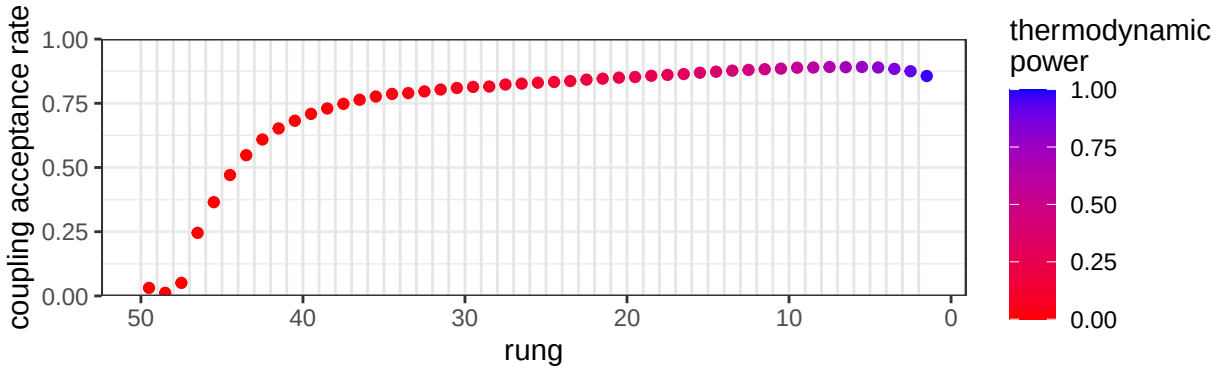
Simulation run: Exp. GrowthSens: 0.85; Spec: 0.95

Fit Diagnostics

Log Likelihood/Prior Plot & Metropolis Coupling Acceptance Plot

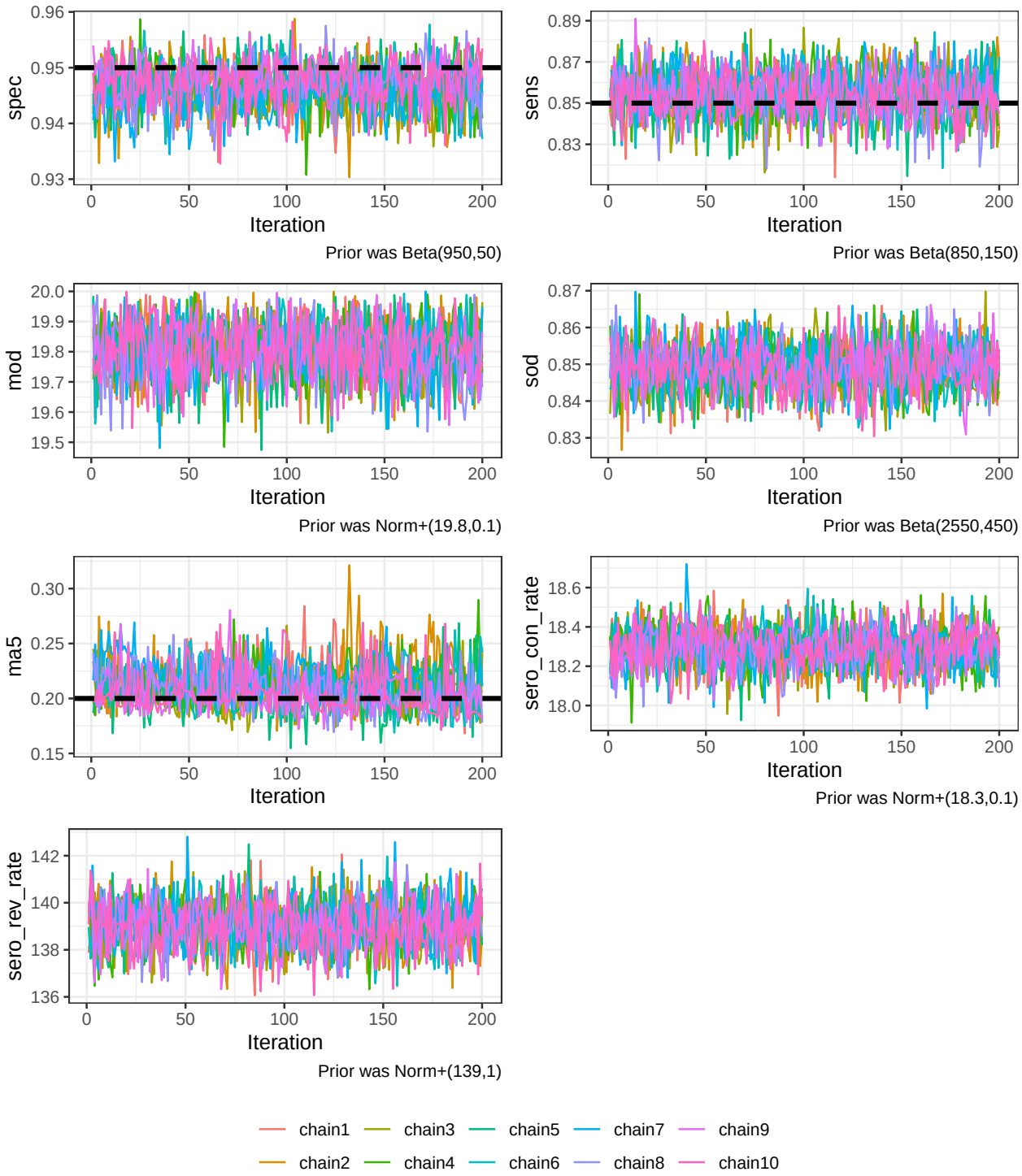




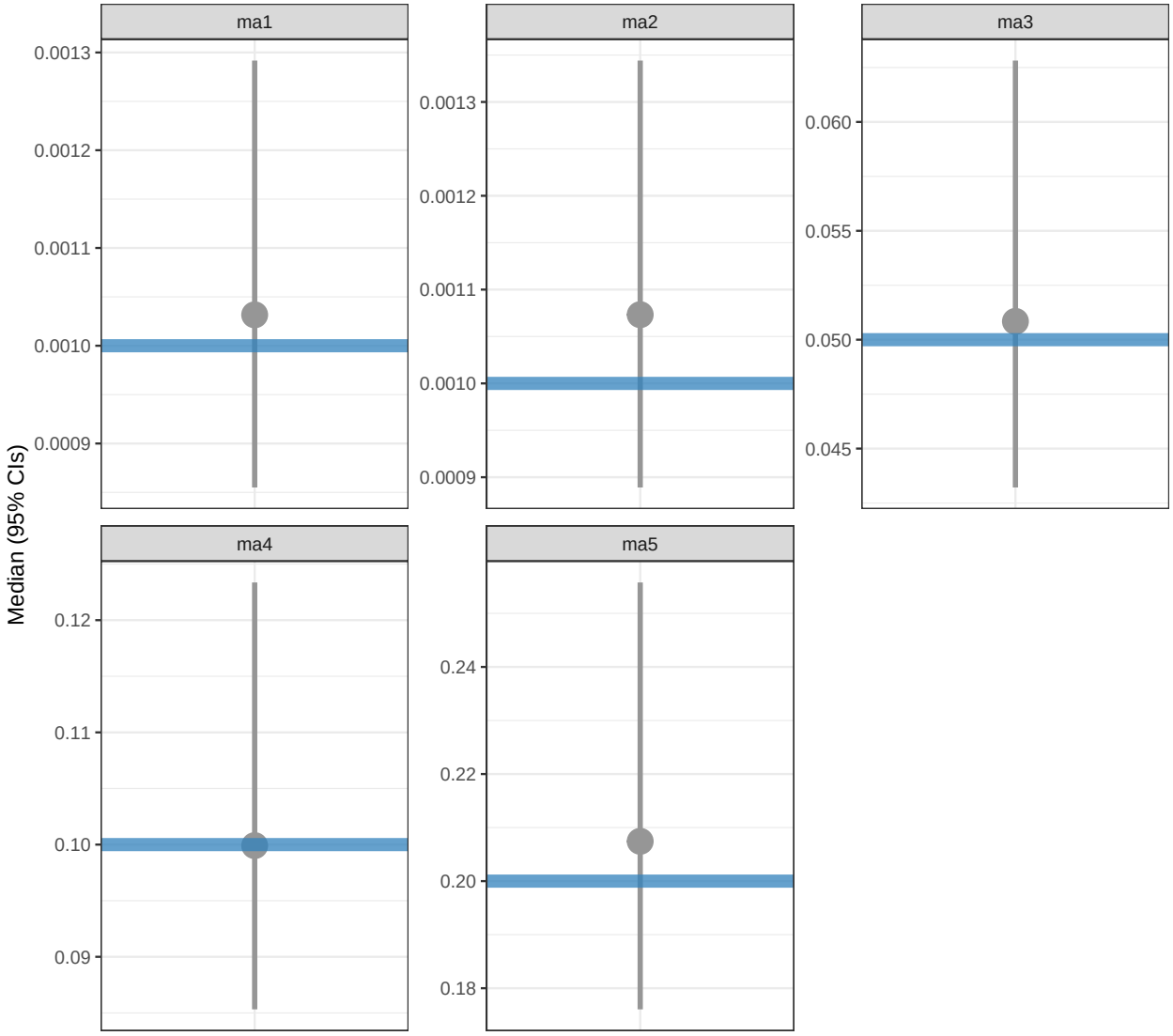
Gelman-Rubin Convergence Diagnostic

gelman_mpsrf
1.01

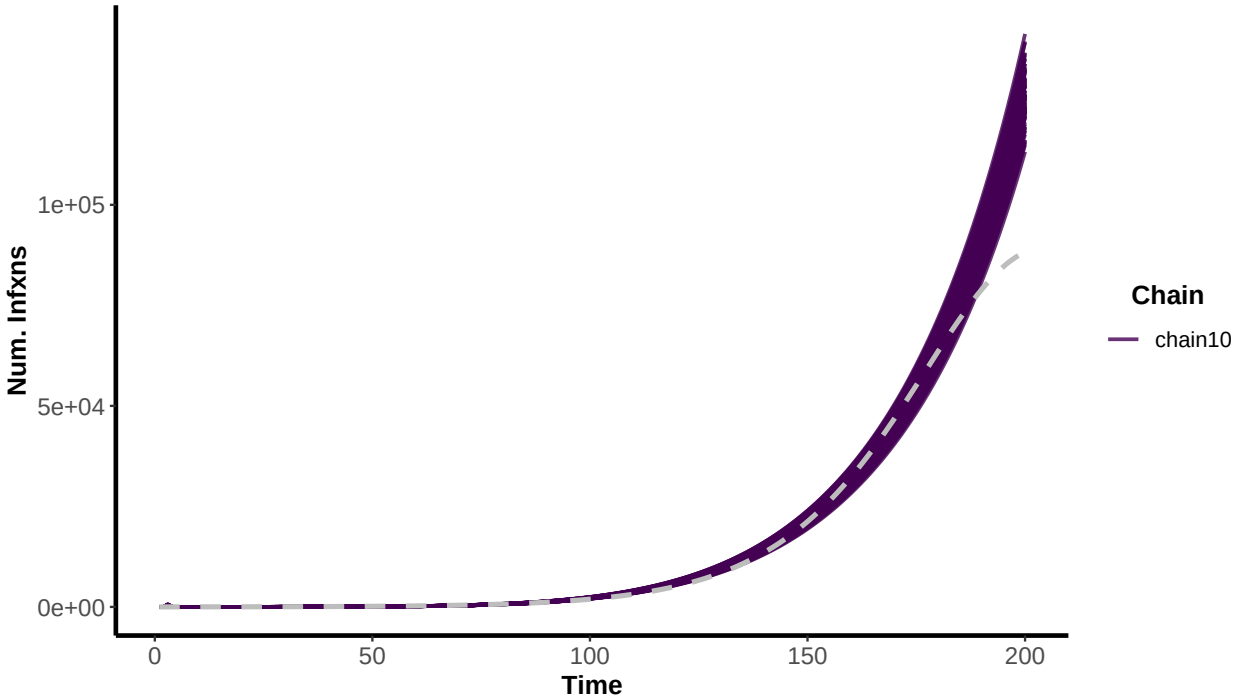
Serological Mixing/Prior Diagnostics



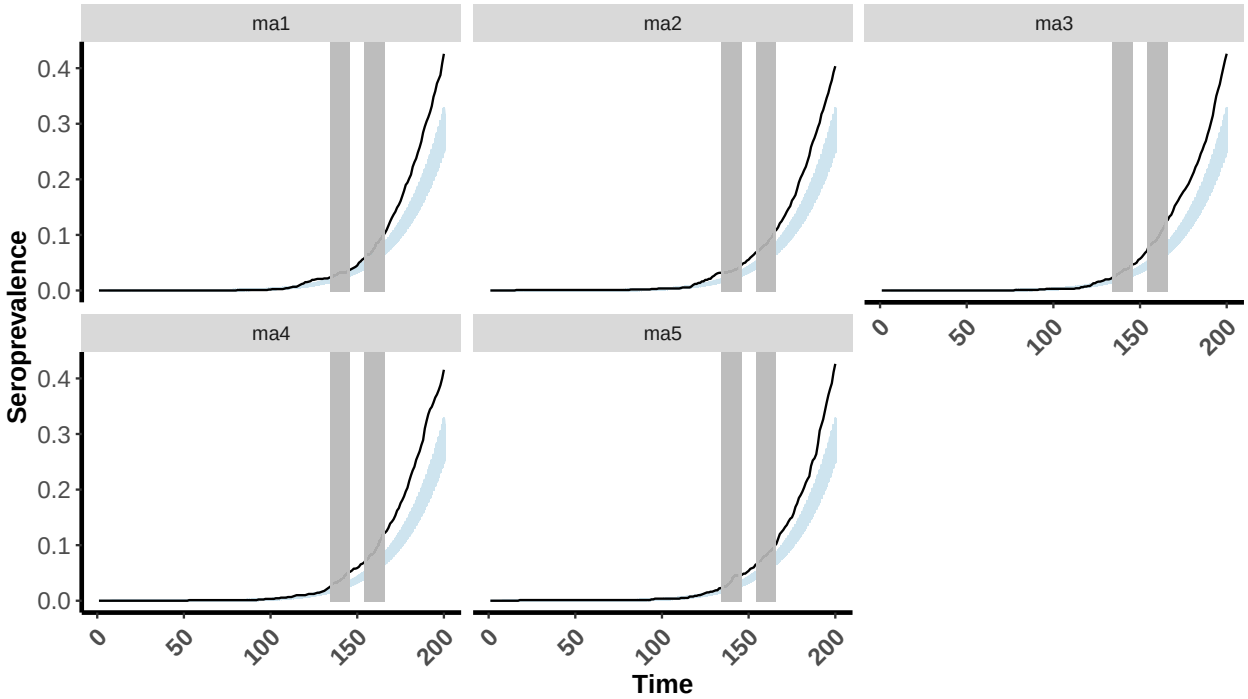
IFRs & Incidence Curve



Grey points delineate model fits with Median and 95% Credible Intervals. Blue horizontal line is true simulated value.



Viridis is inferred, Grey Line is Simulated Infection Curve



Blue is inferred, Black Line is Simulated Seroprevalence while grey boxes indicate model inputs (serosuvery dates and prevalences)

Simulation run: Outbreak ControlSens: 0.85; Spec: 0.95

Fit Diagnostics

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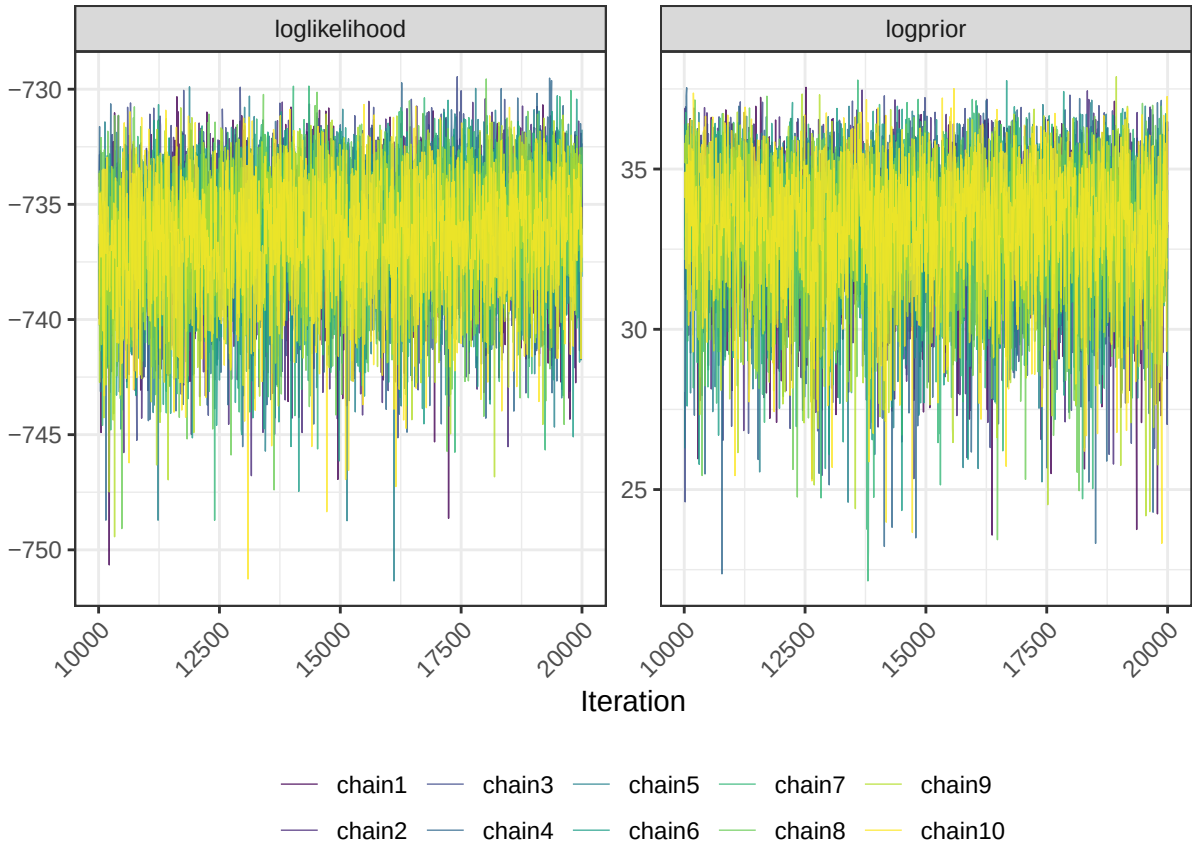
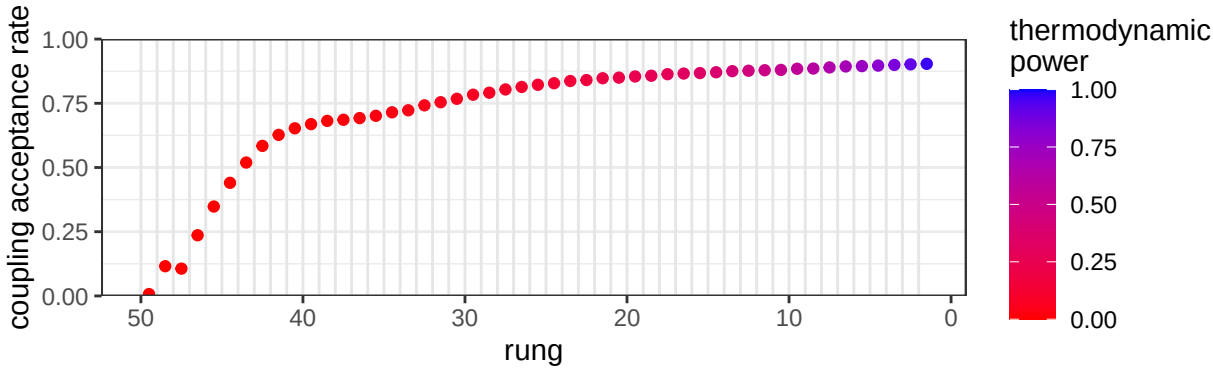
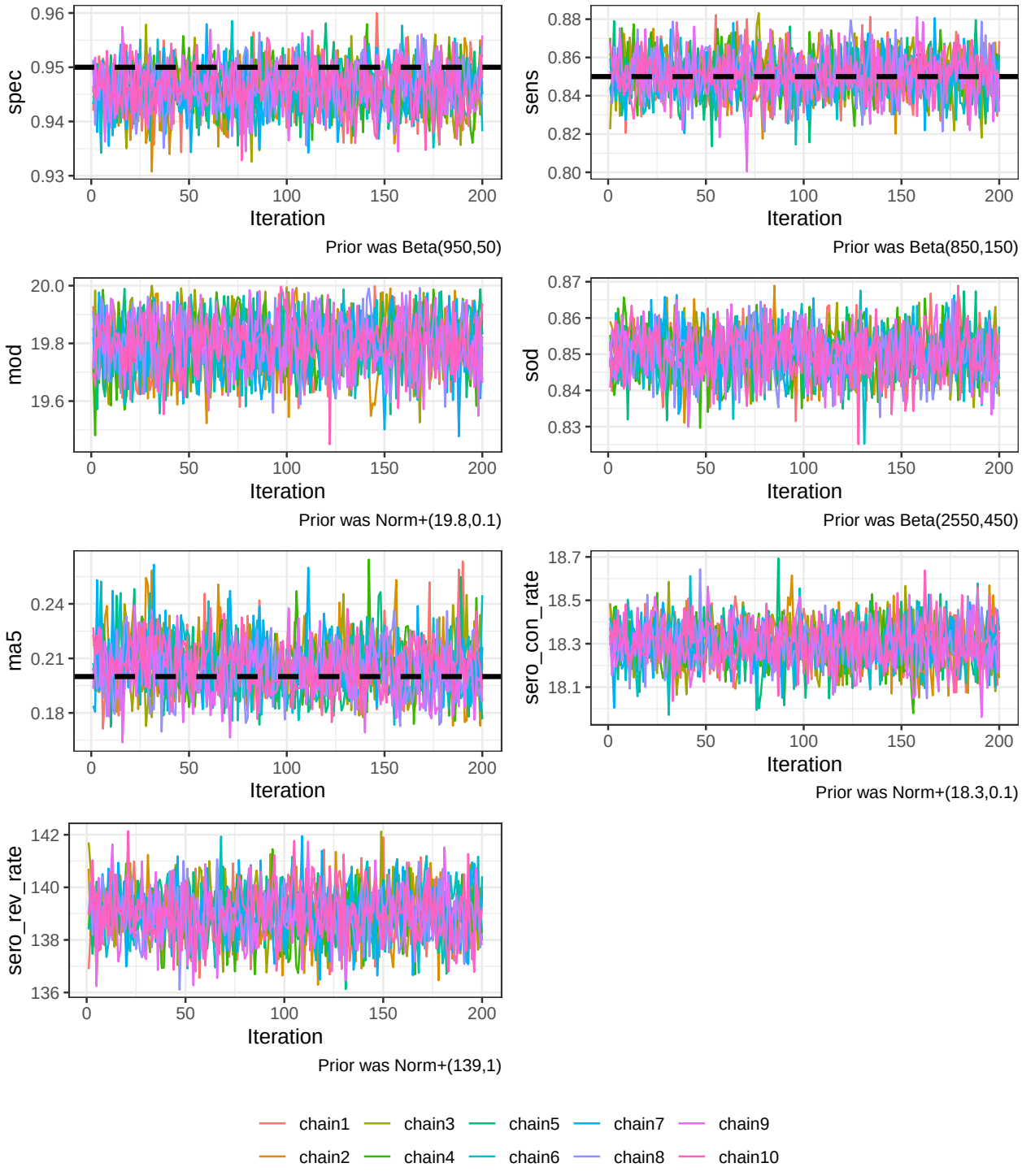




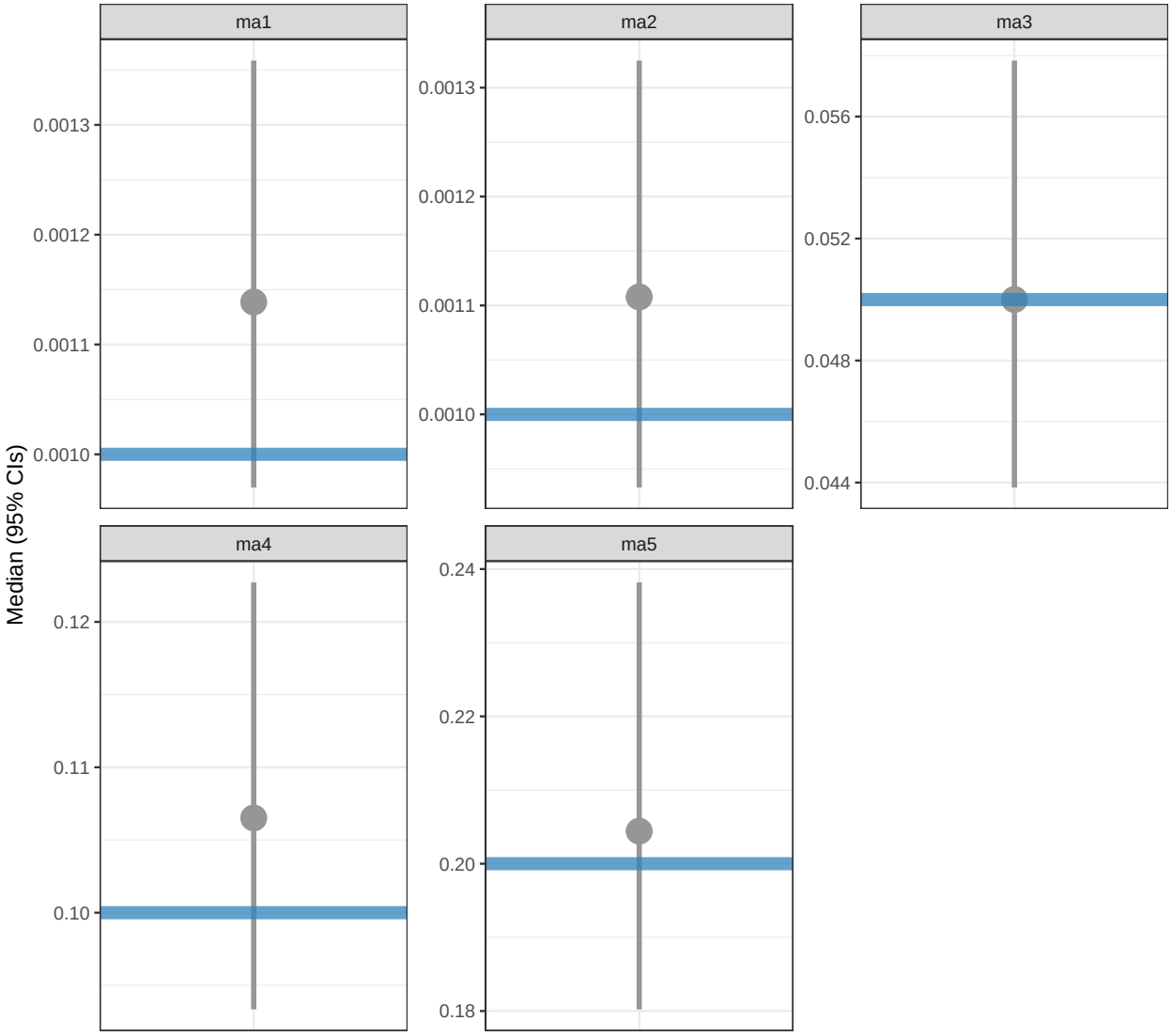
Gelman-Rubin Convergence Diagnostic

gelman_mpsrf
1

Serological Mixing/Prior Diagnostics



IFRs & Incidence Curve



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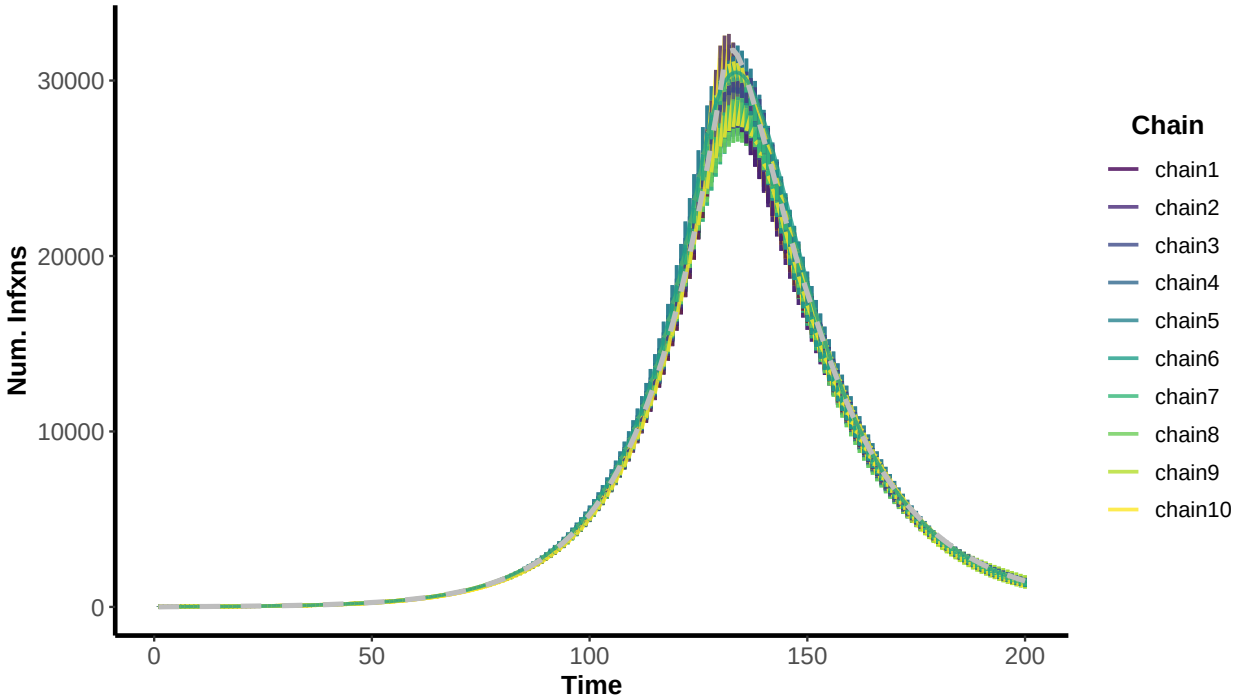

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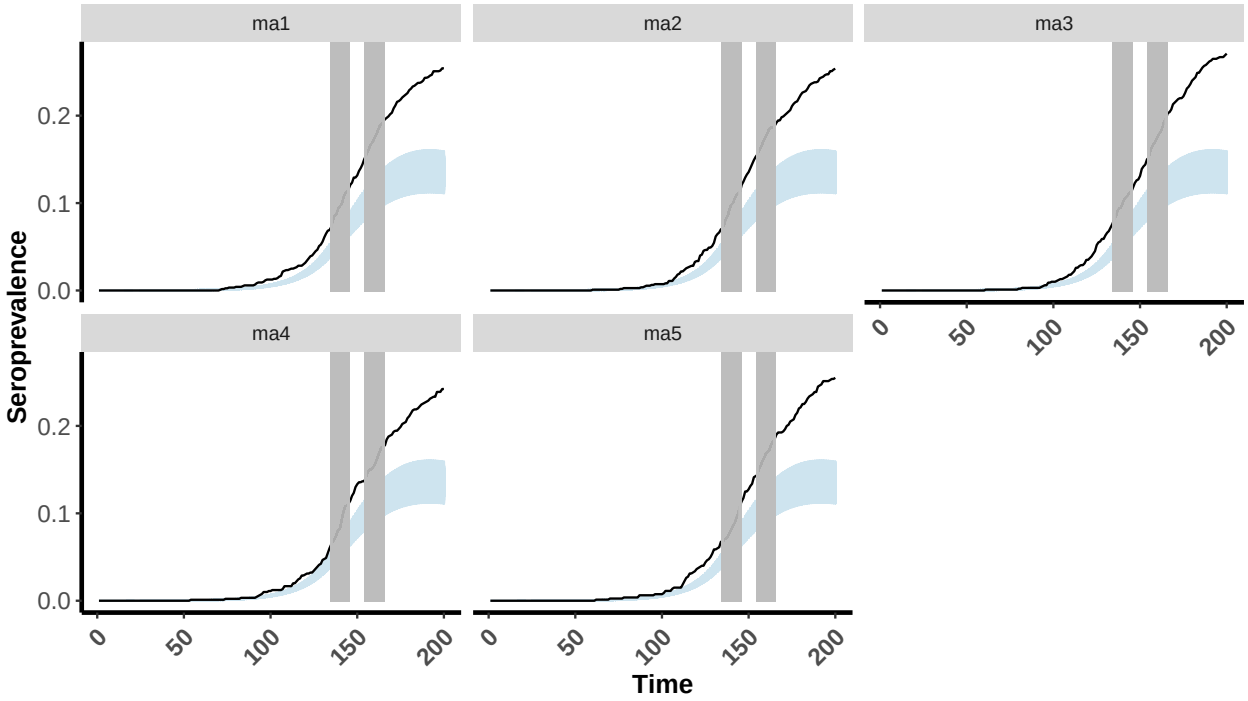

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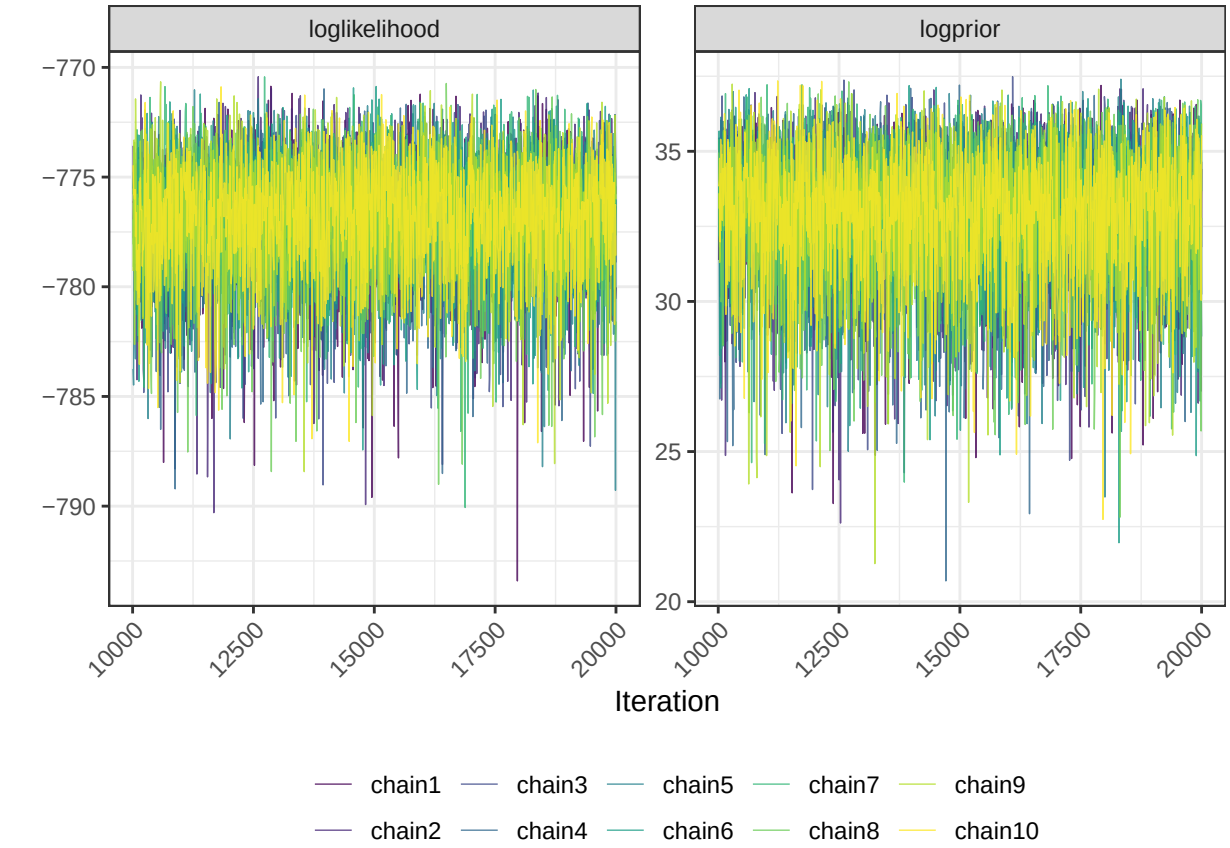
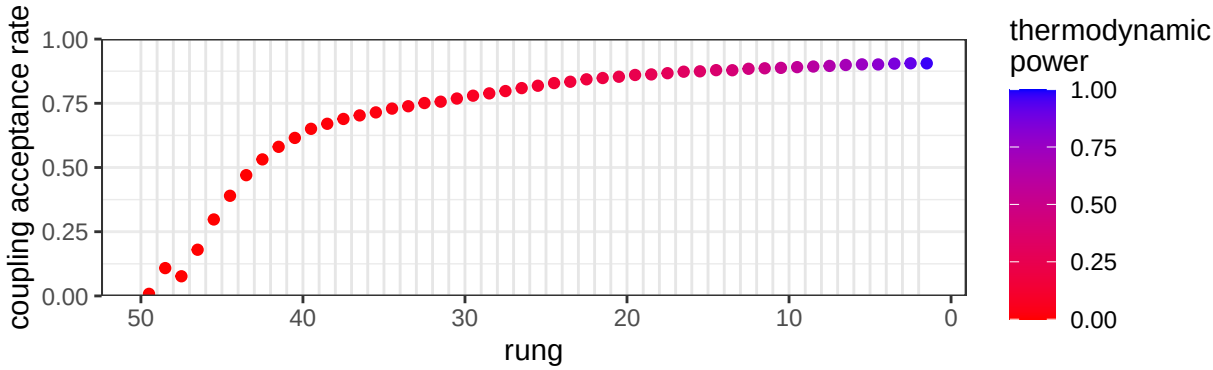
Simulation run: Second WaveSens: 0.85; Spec: 0.95

Fit Diagnostics

Log Likelihood/Prior Plot & Metropolis Coupling Acceptance Plot

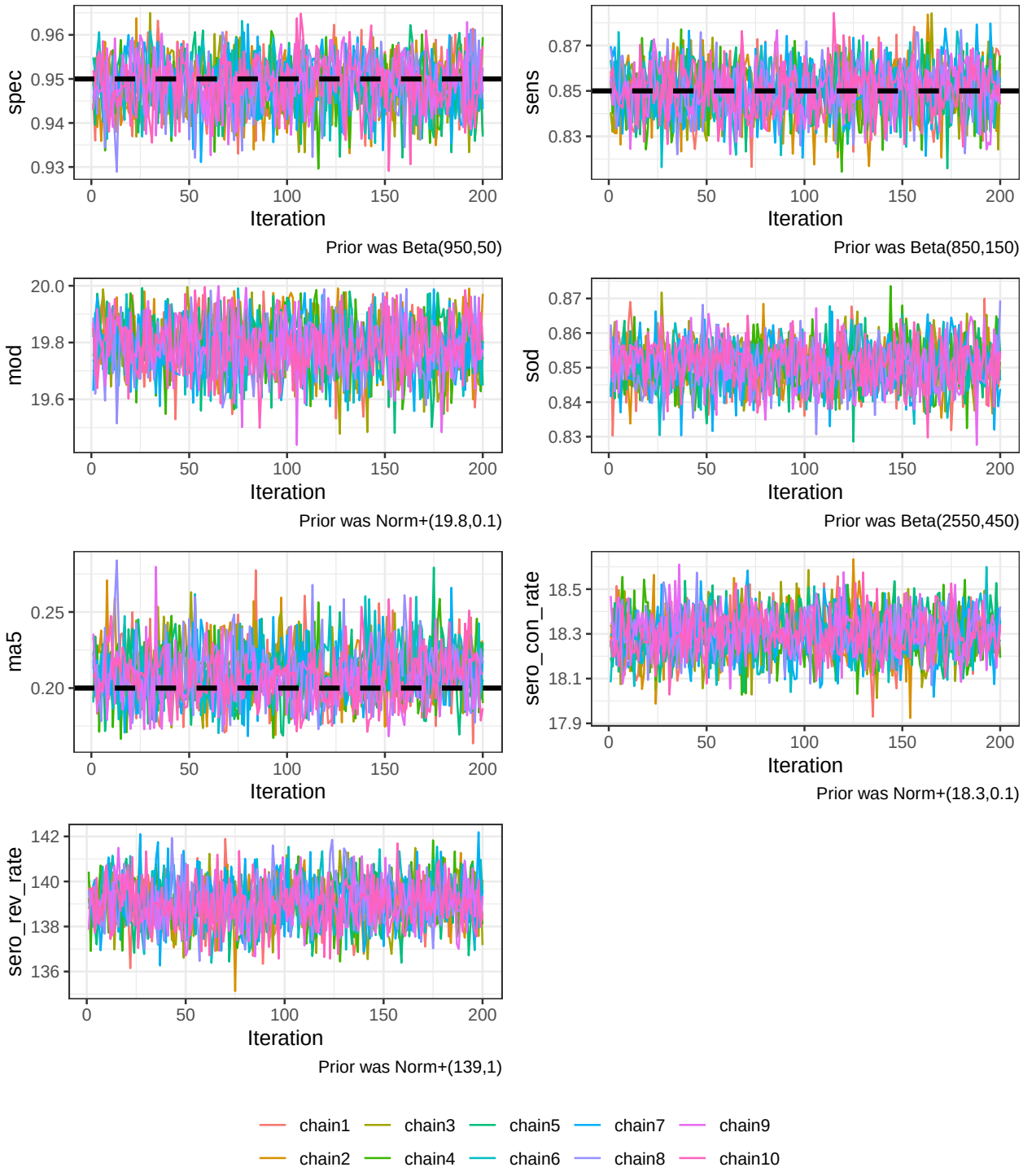




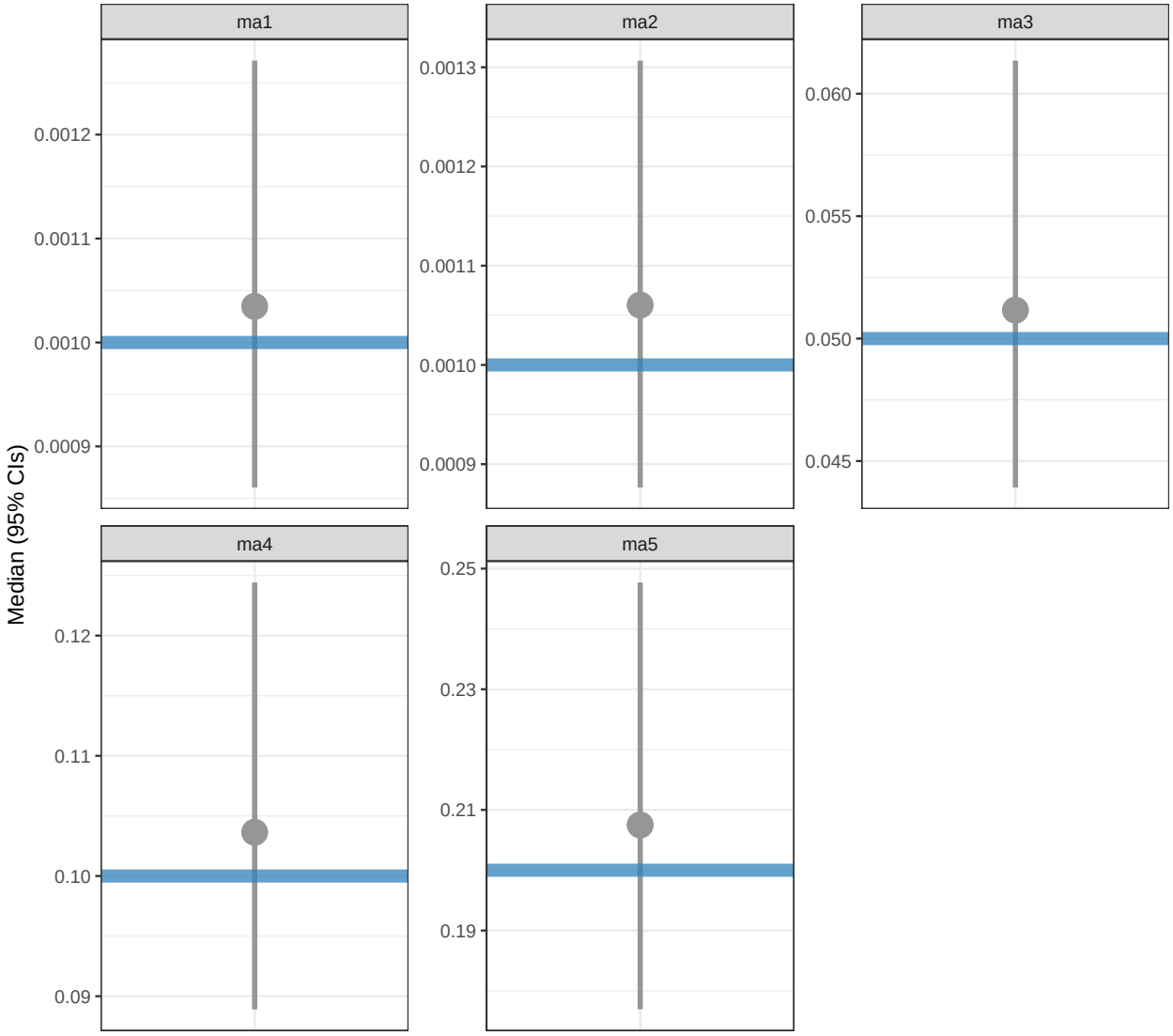
Gelman-Rubin Convergence Diagnostic

gelman_mpsrf
1

Serological Mixing/Prior Diagnostics



IFRs & Incidence Curve



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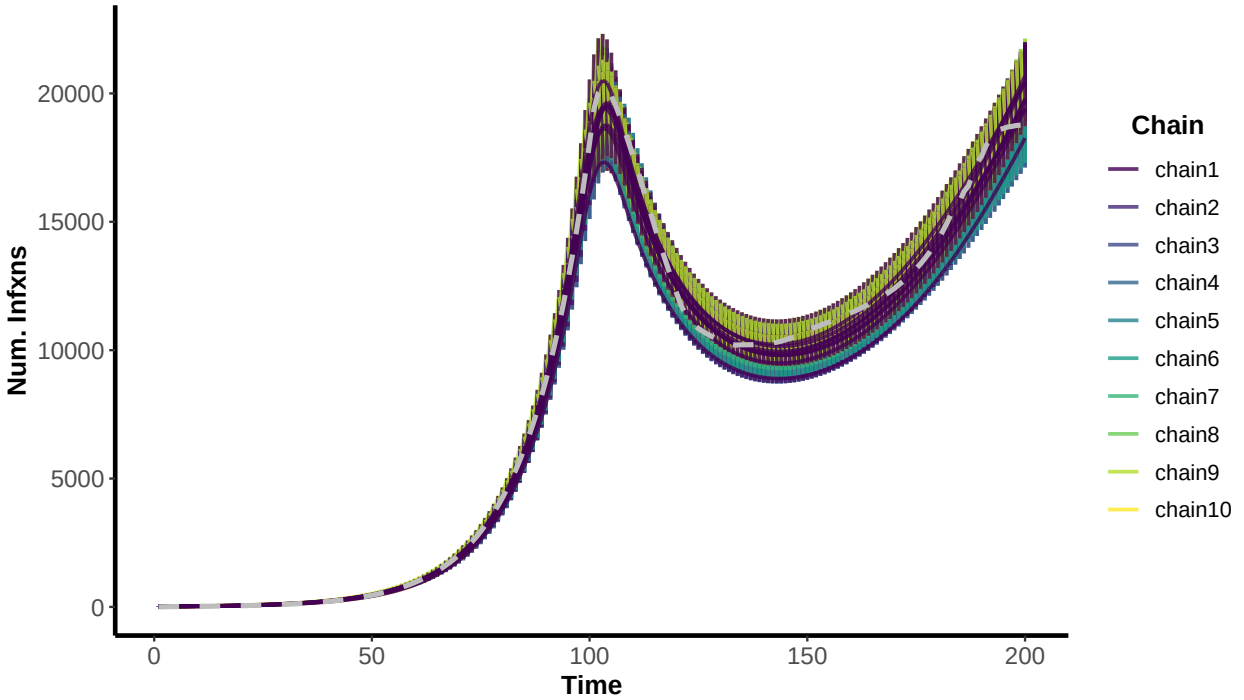

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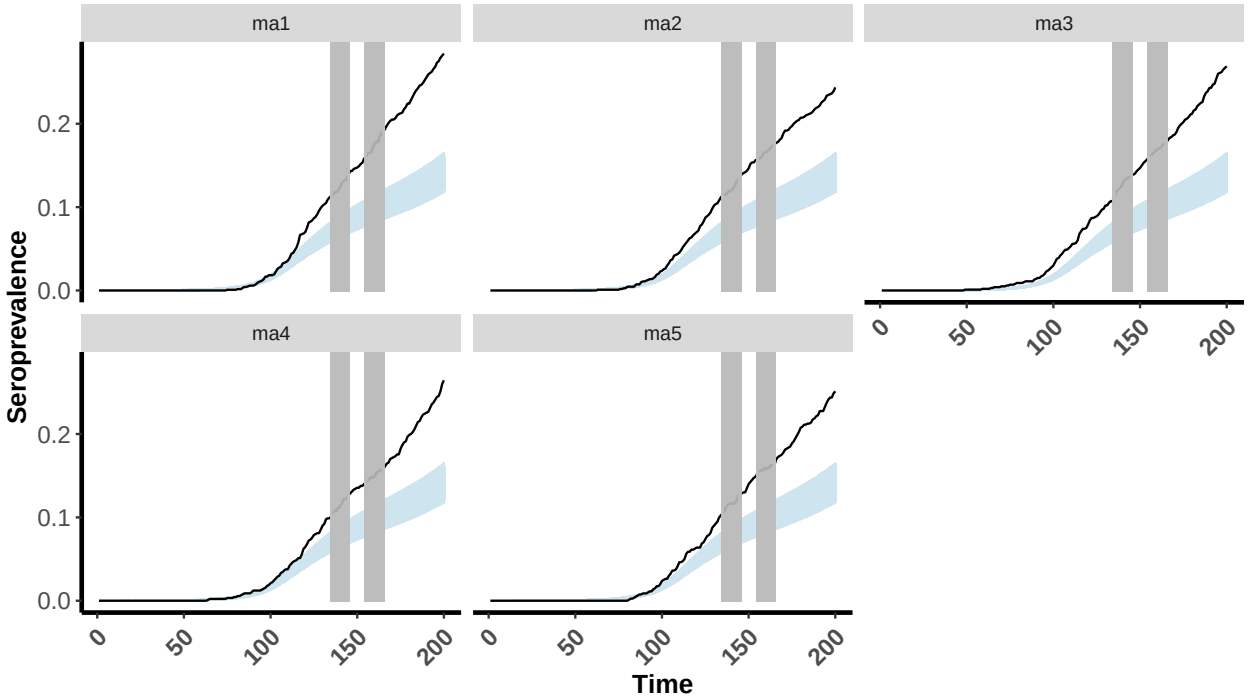

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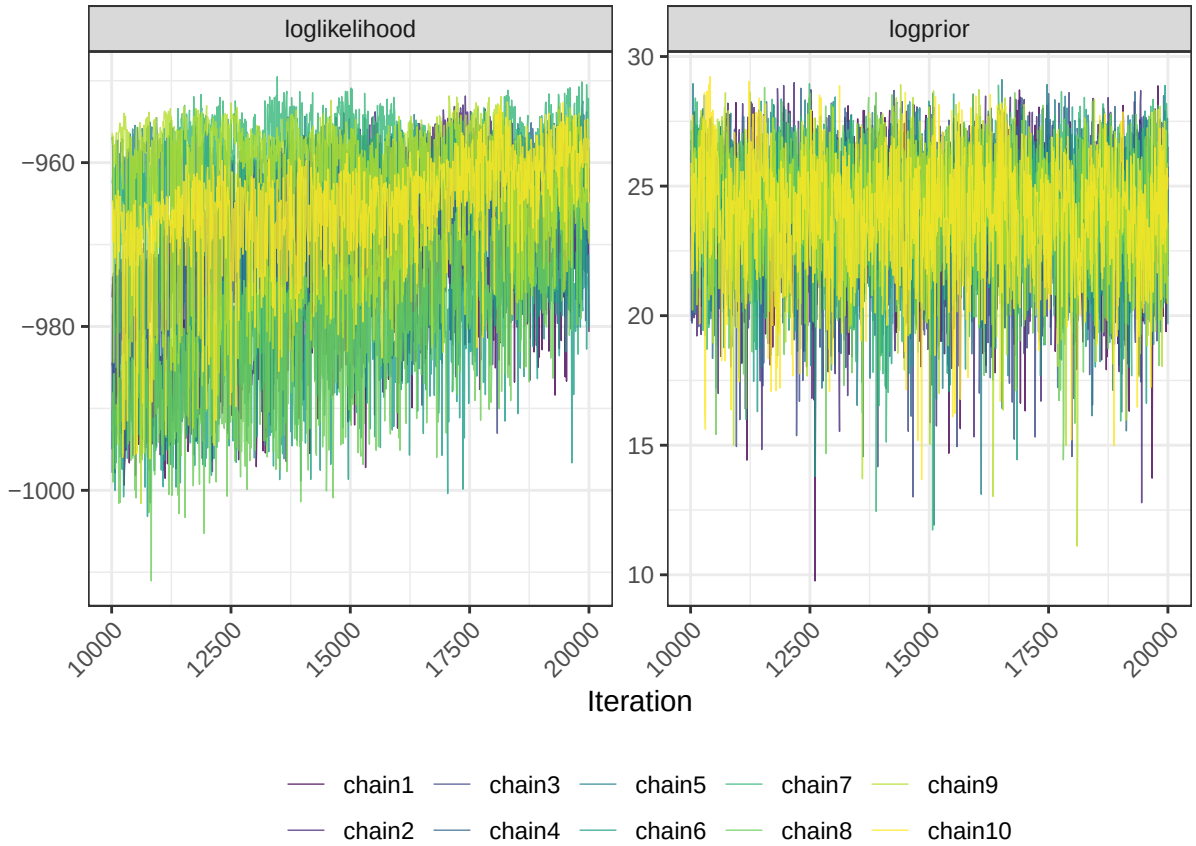
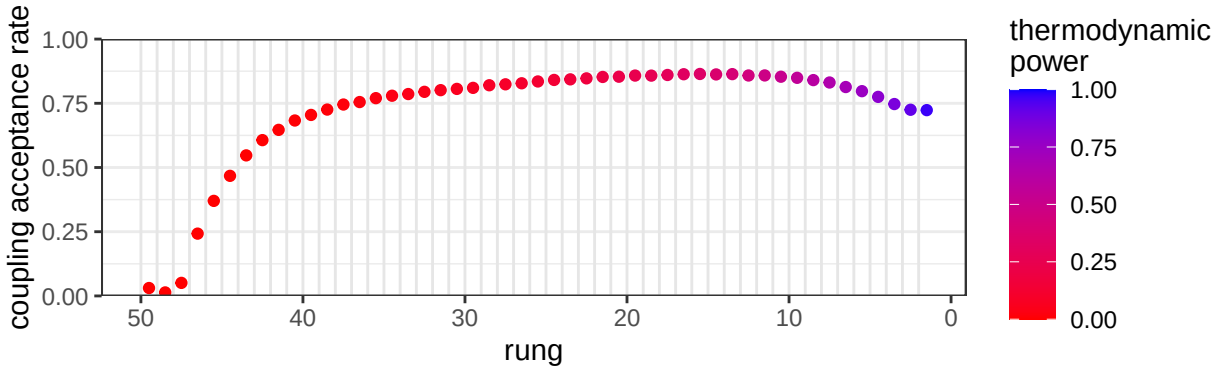
Simulation run: Exp. GrowthSens: 0.85; Spec: 0.99

Fit Diagnostics

Log Likelihood/Prior Plot & Metropolis Coupling Acceptance Plot

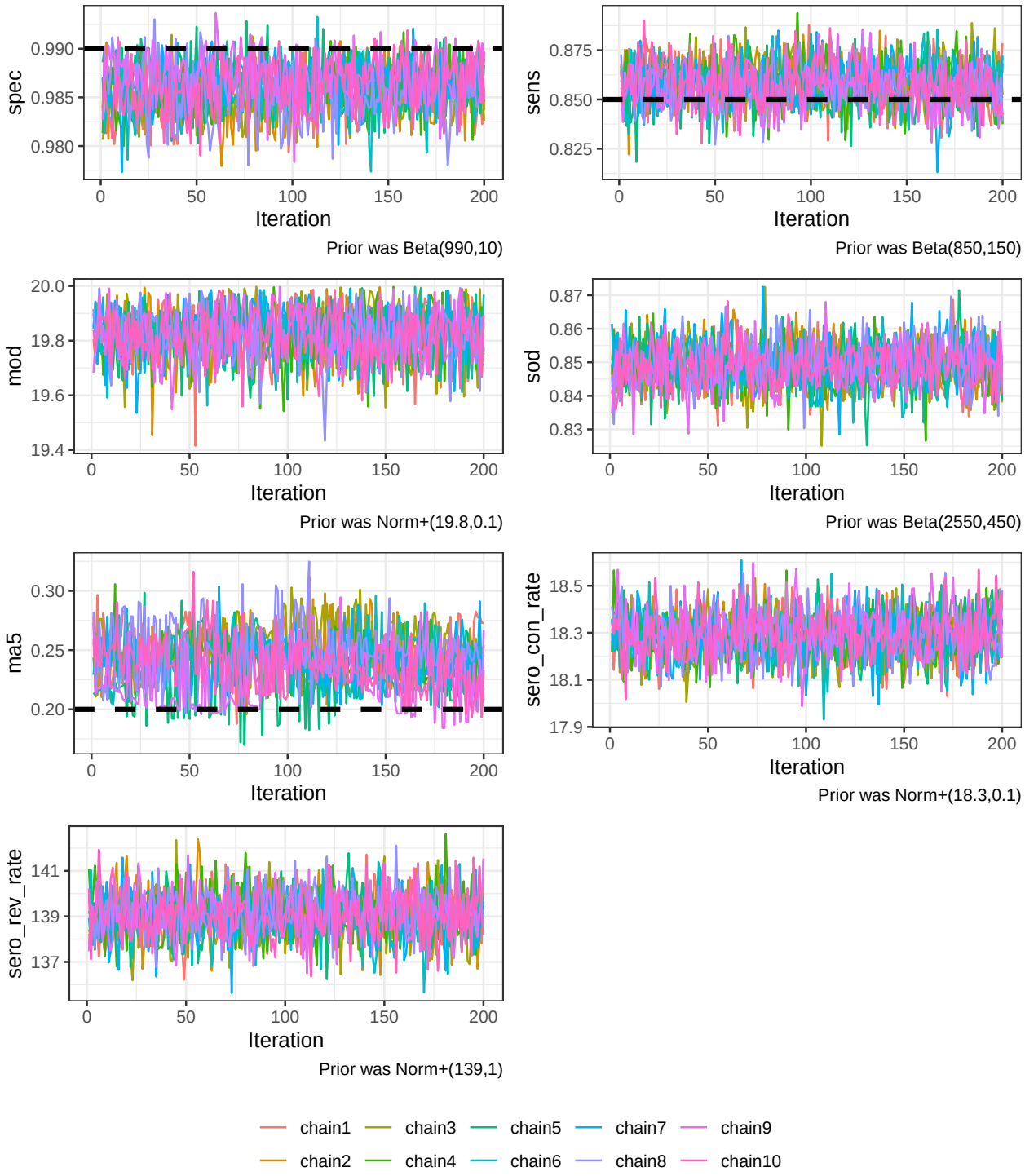




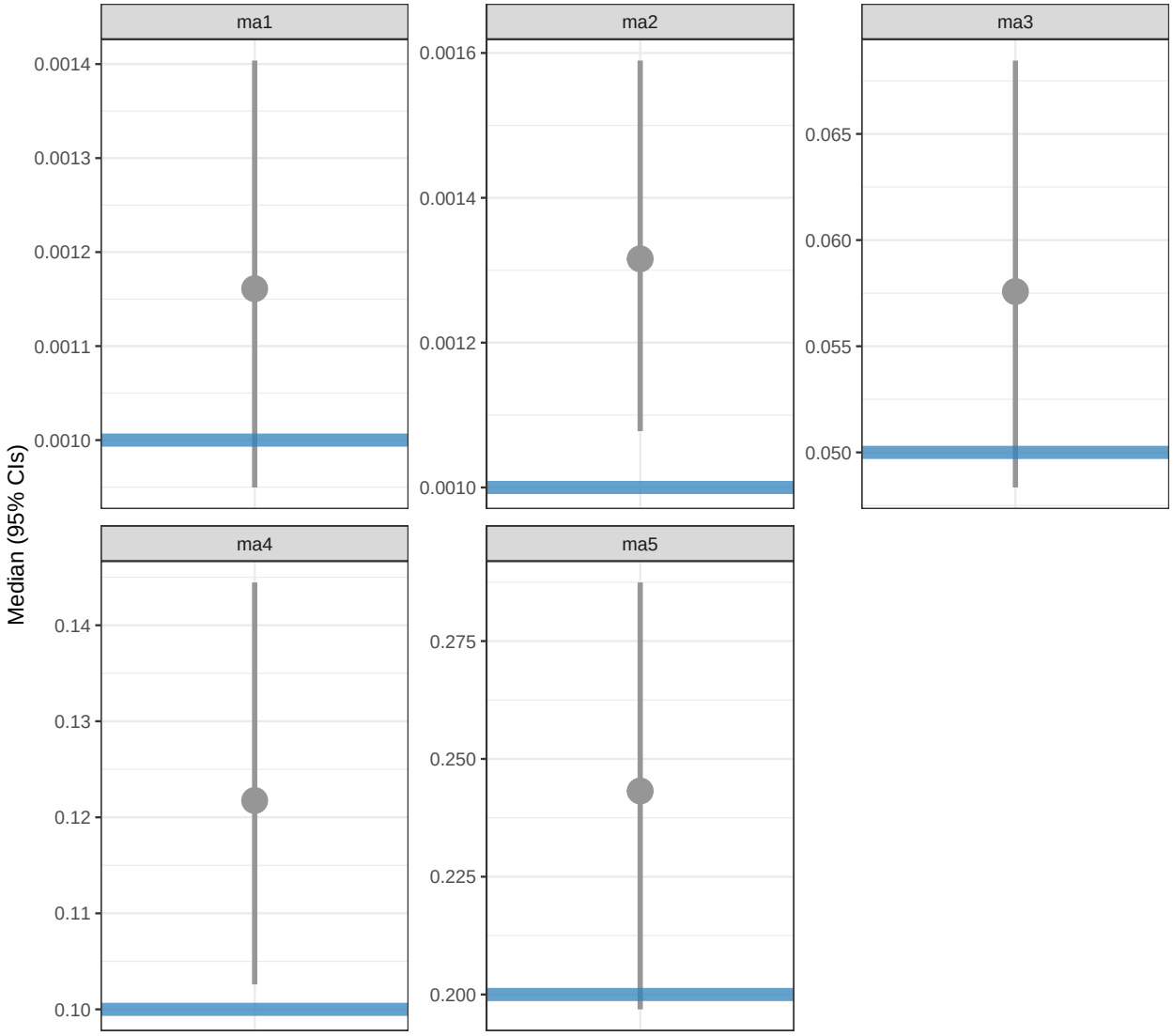
Gelman-Rubin Convergence Diagnostic

gelman_mpsrf
1.05

Serological Mixing/Prior Diagnostics



IFRs & Incidence Curve



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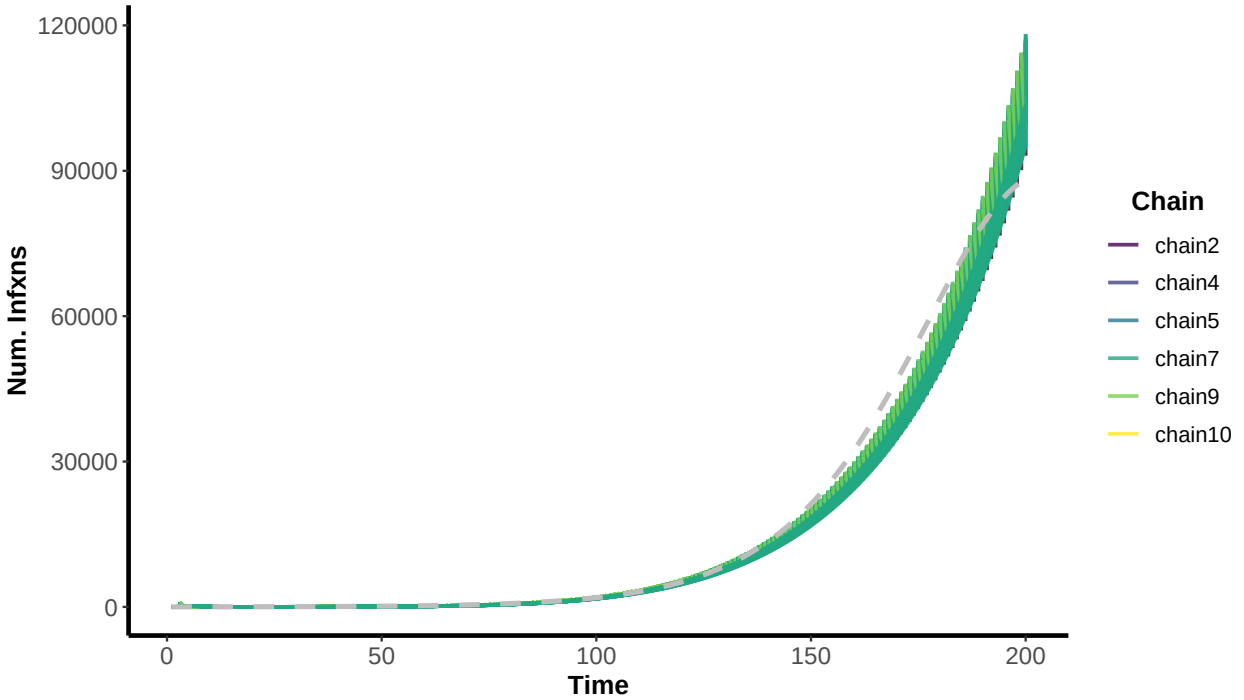

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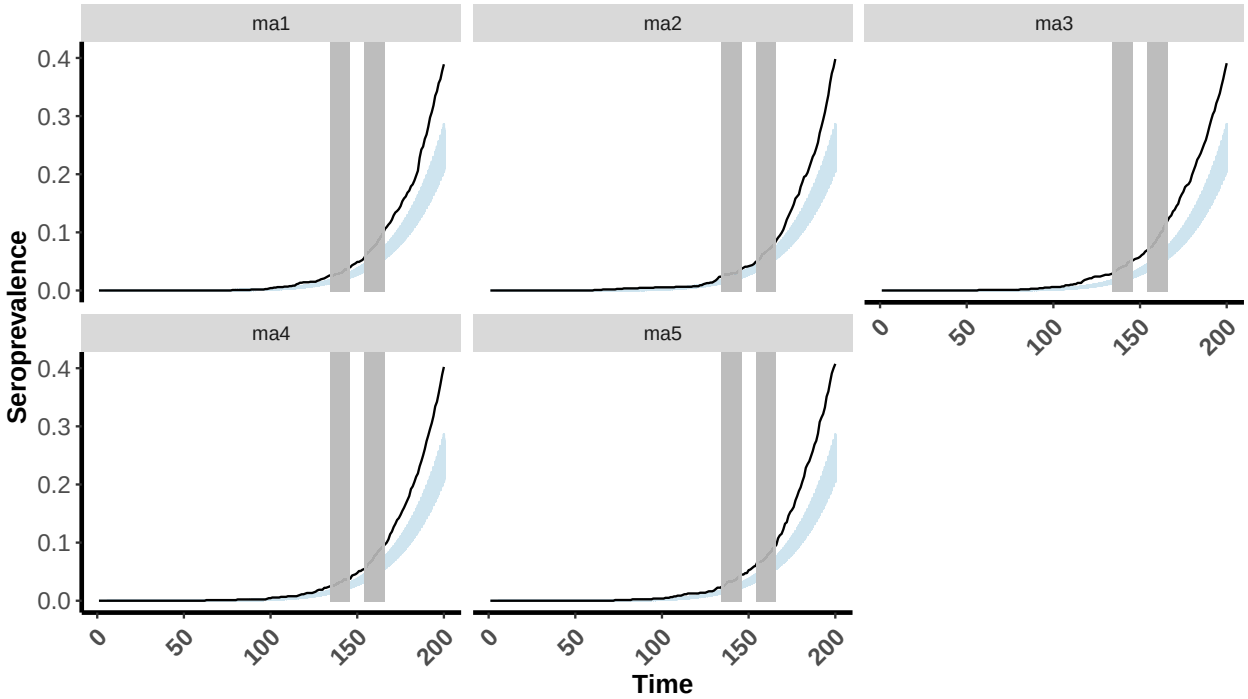

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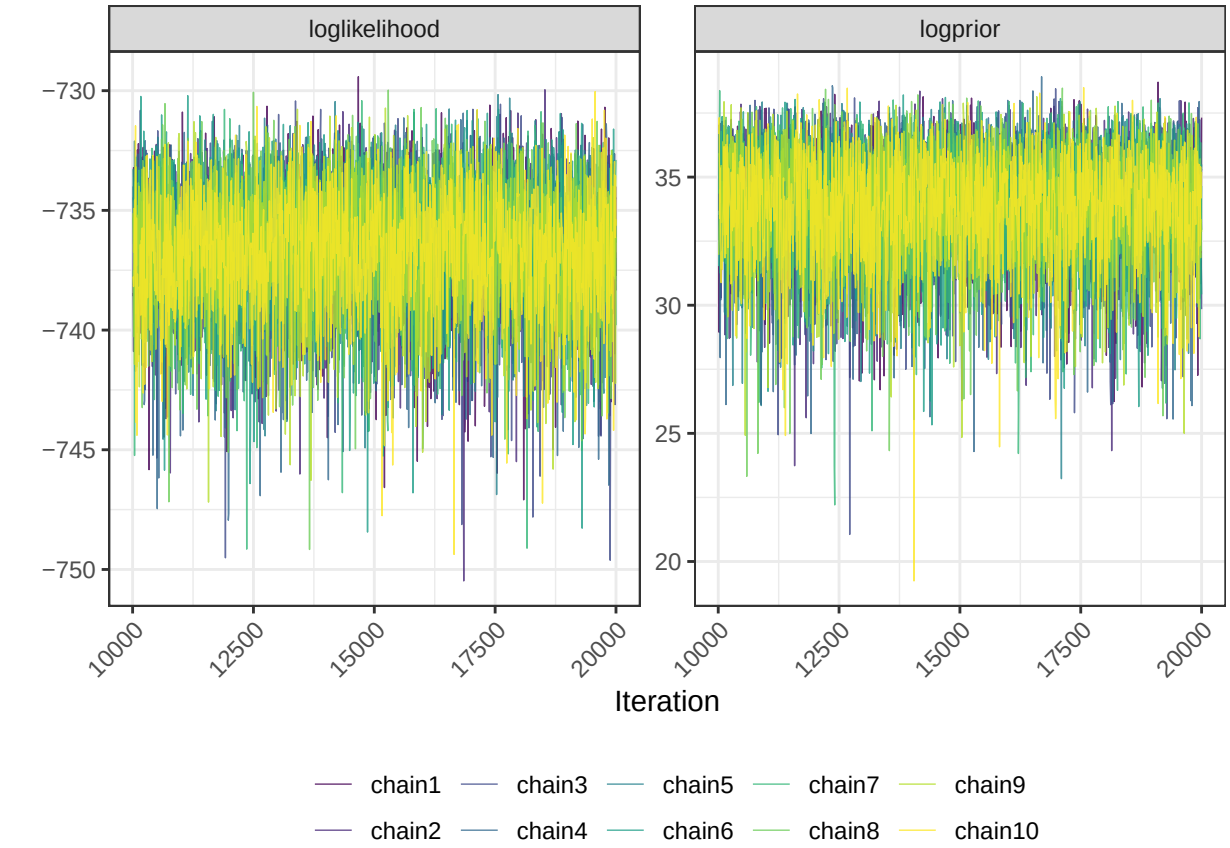
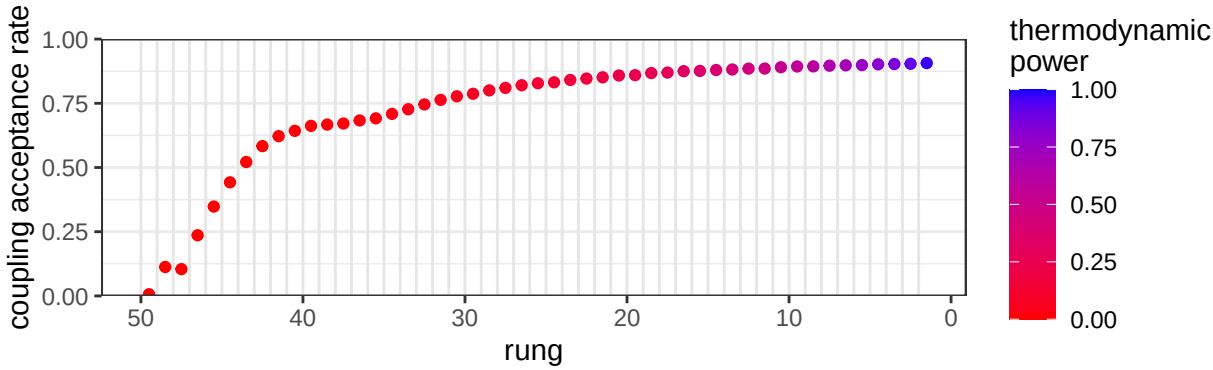
Simulation run: Outbreak ControlSens: 0.85; Spec: 0.99

Fit Diagnostics

Log Likelihood/Prior Plot & Metropolis Coupling Acceptance Plot

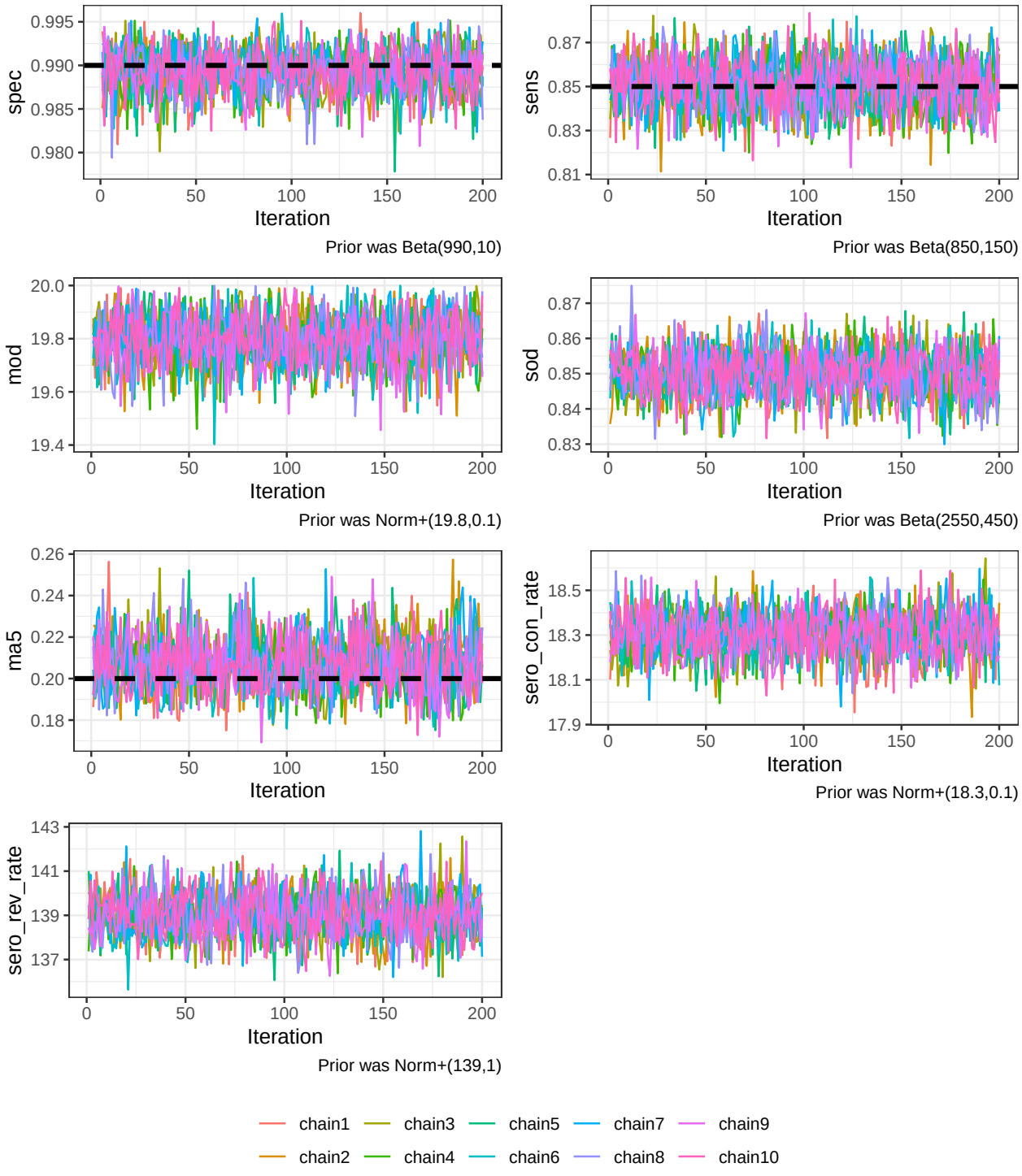




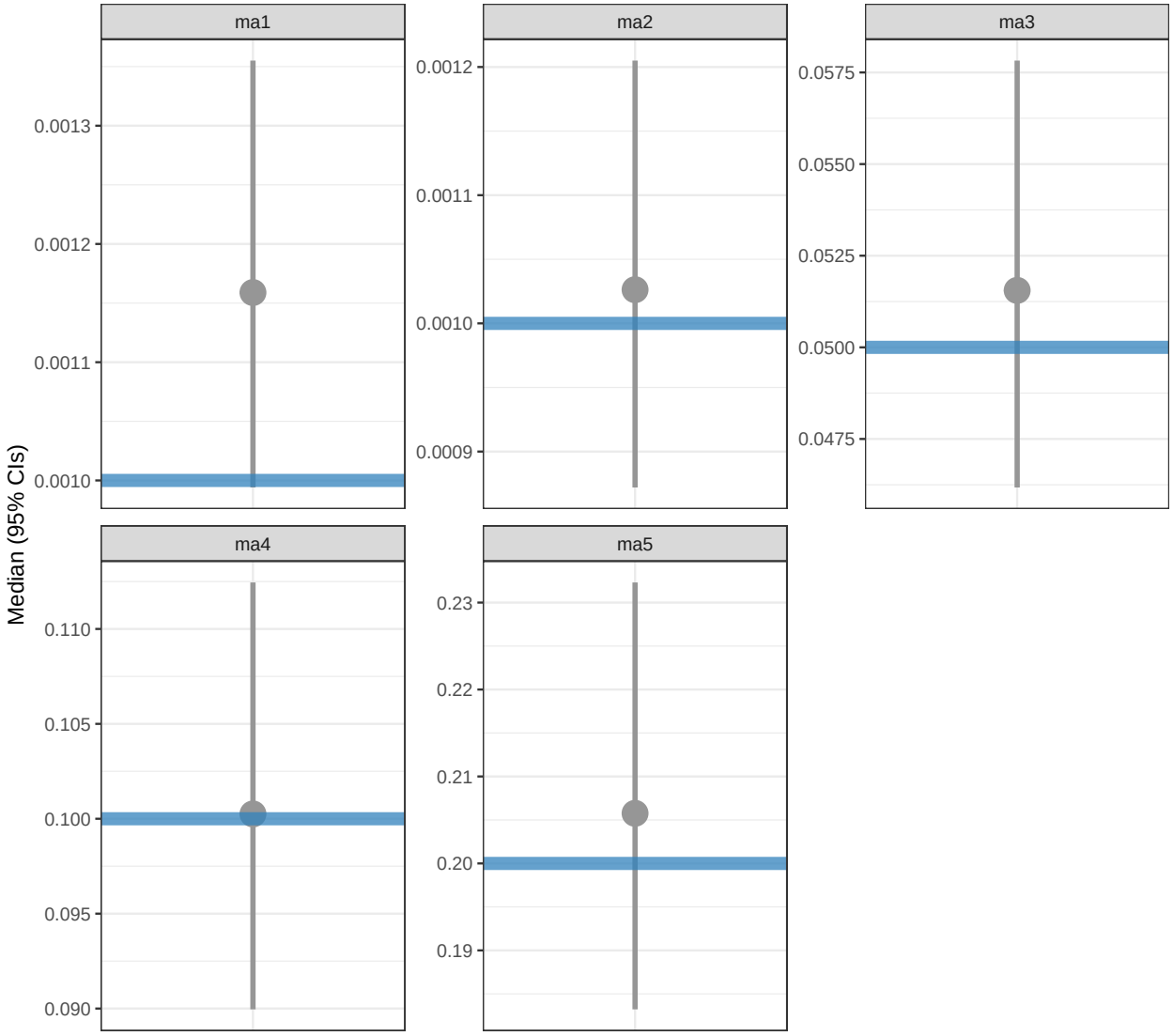
Gelman-Rubin Convergence Diagnostic

gelman_mpsrf
1

Serological Mixing/Prior Diagnostics



IFRs & Incidence Curve



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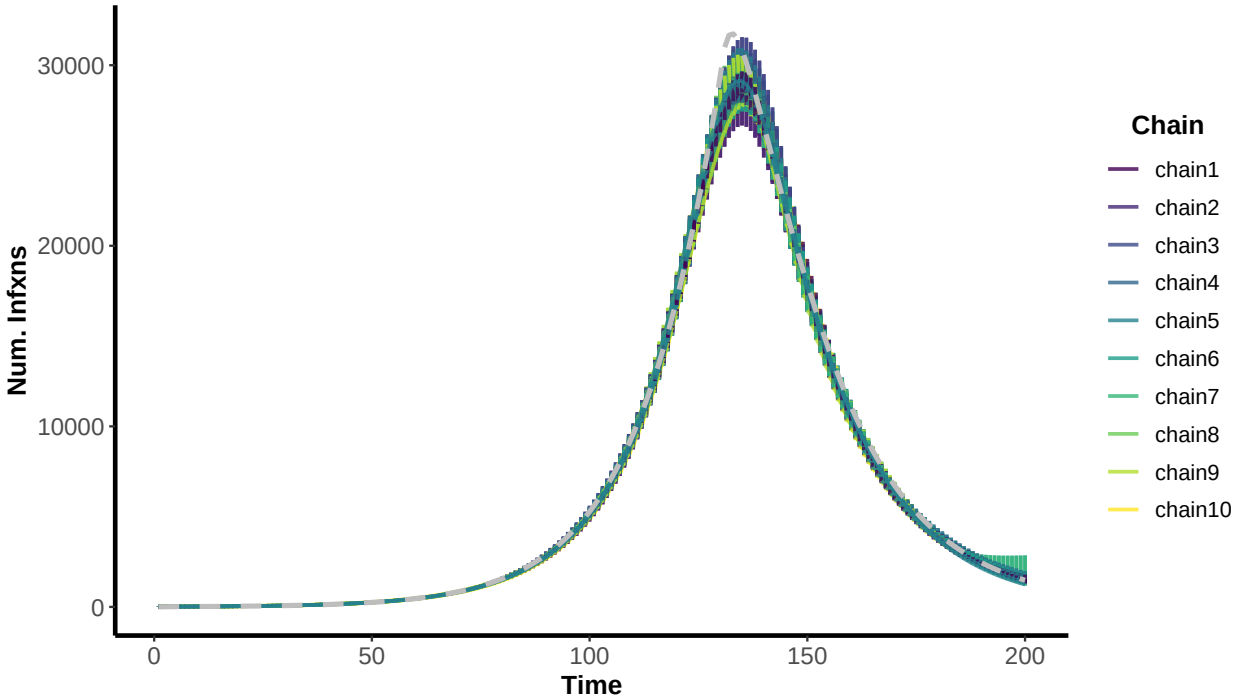

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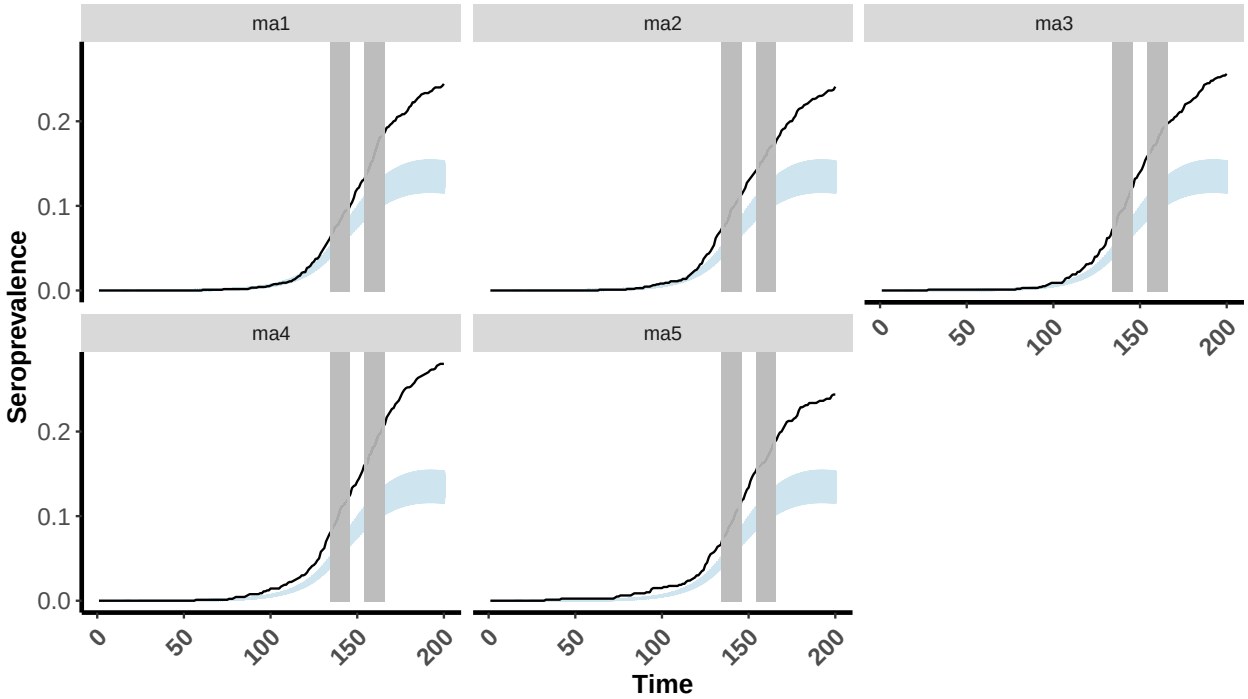

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Fit Diagnostics

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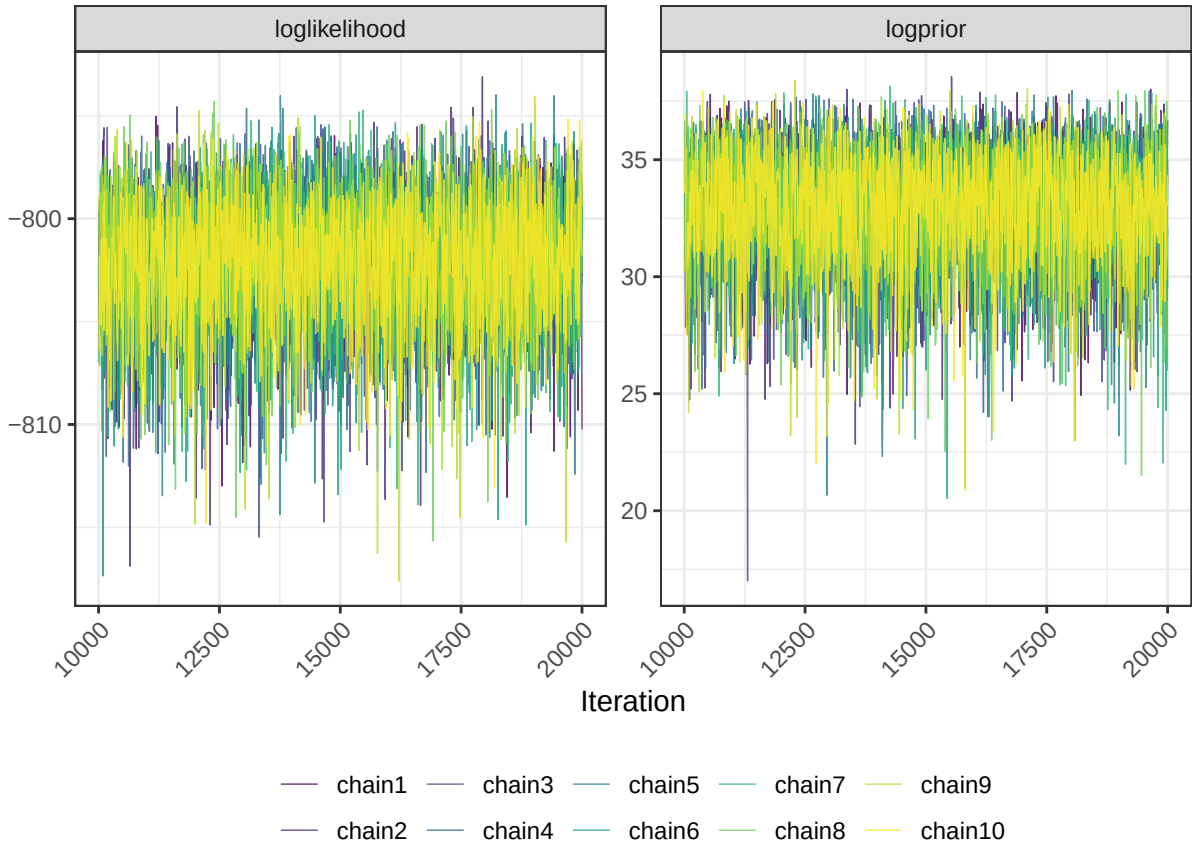
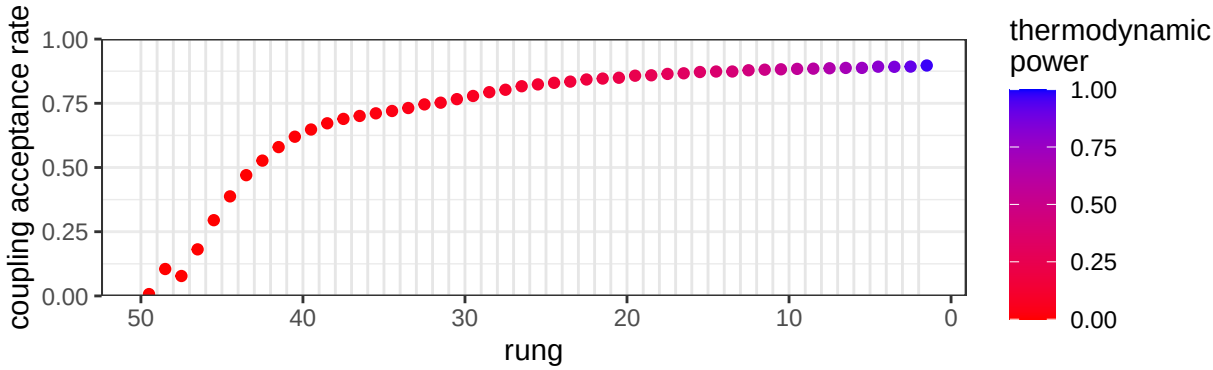
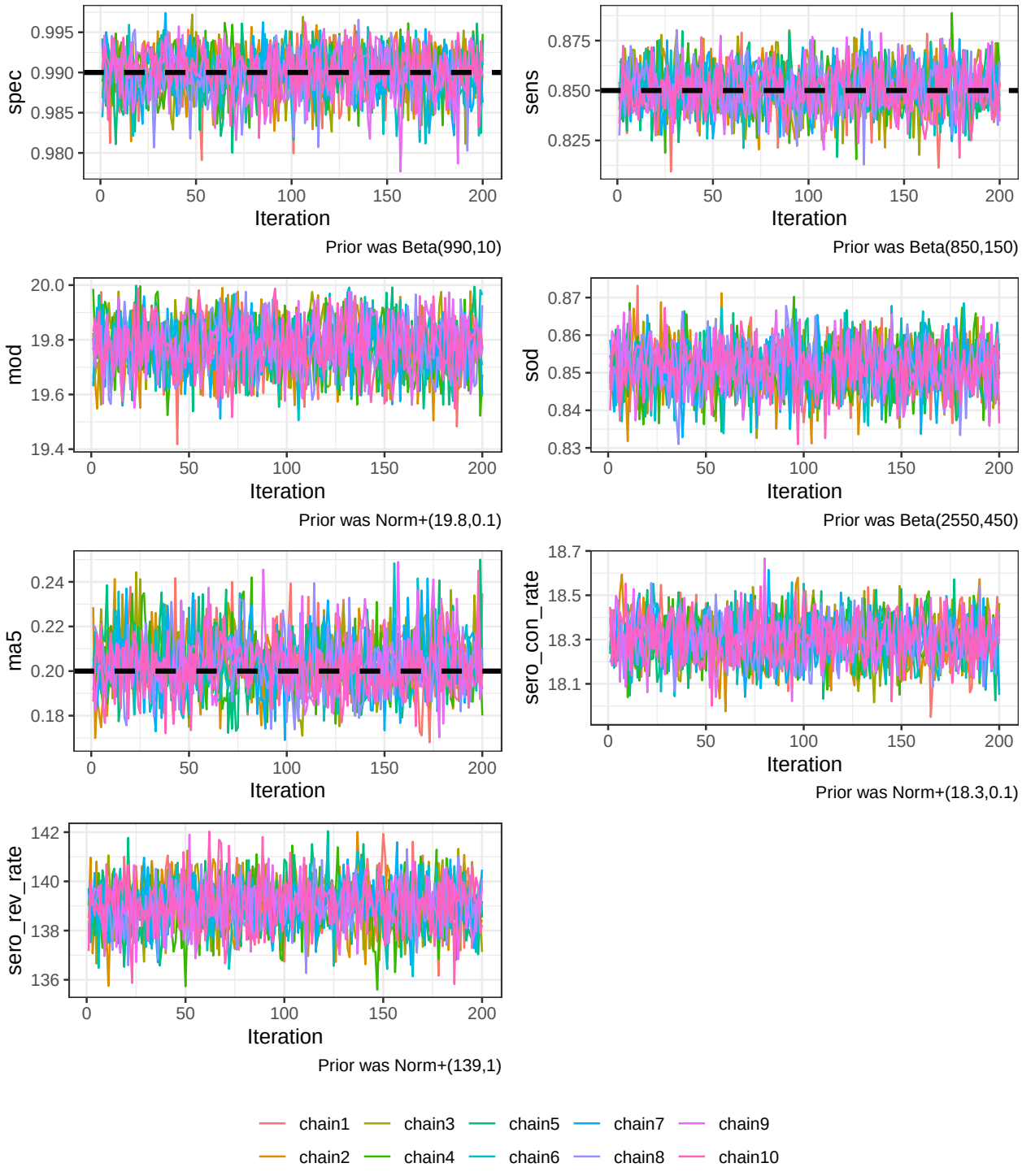




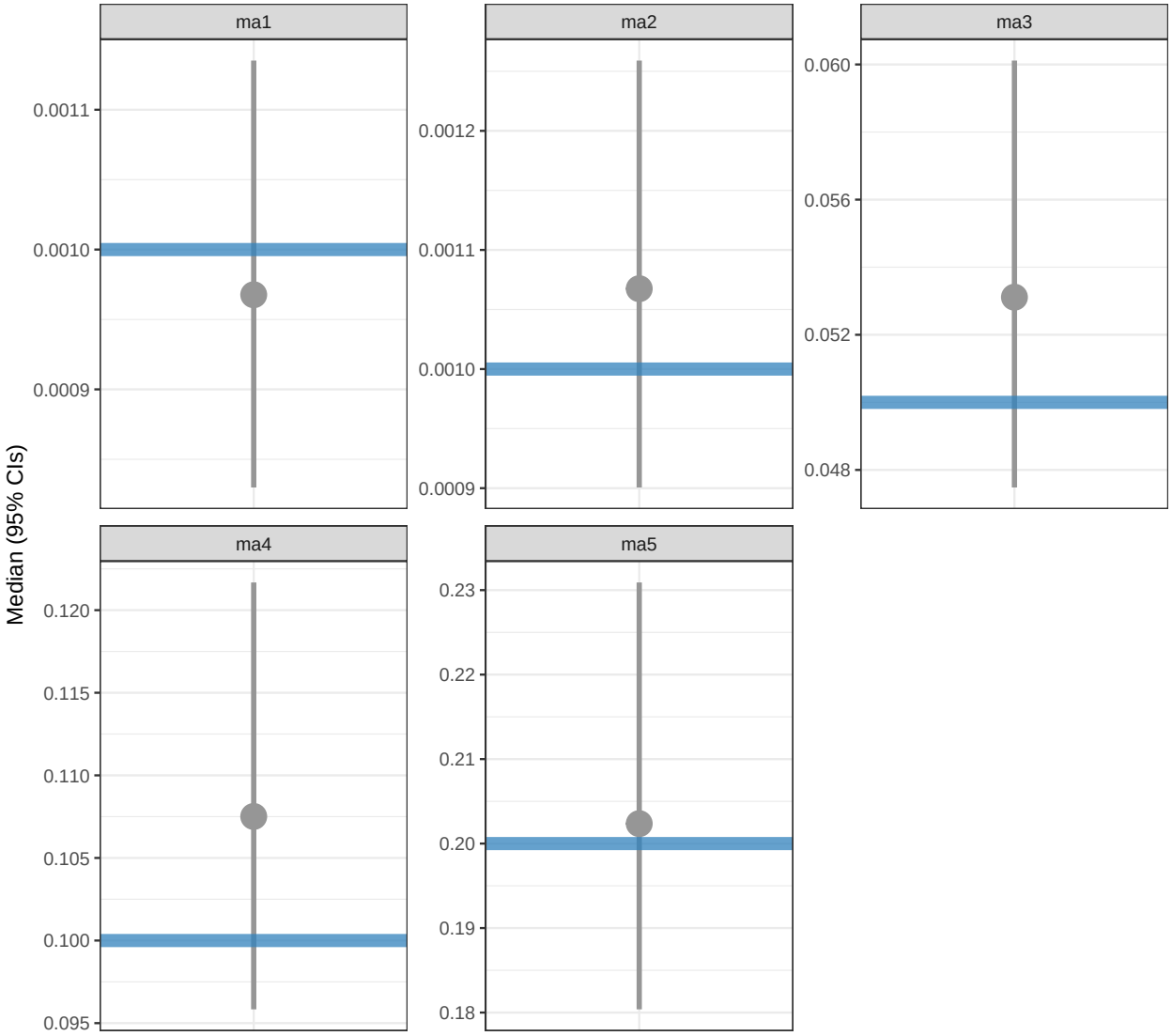
Gelman-Rubin Convergence Diagnostic

gelman_mpsrf
1

Serological Mixing/Prior Diagnostics



IFRs & Incidence Curve



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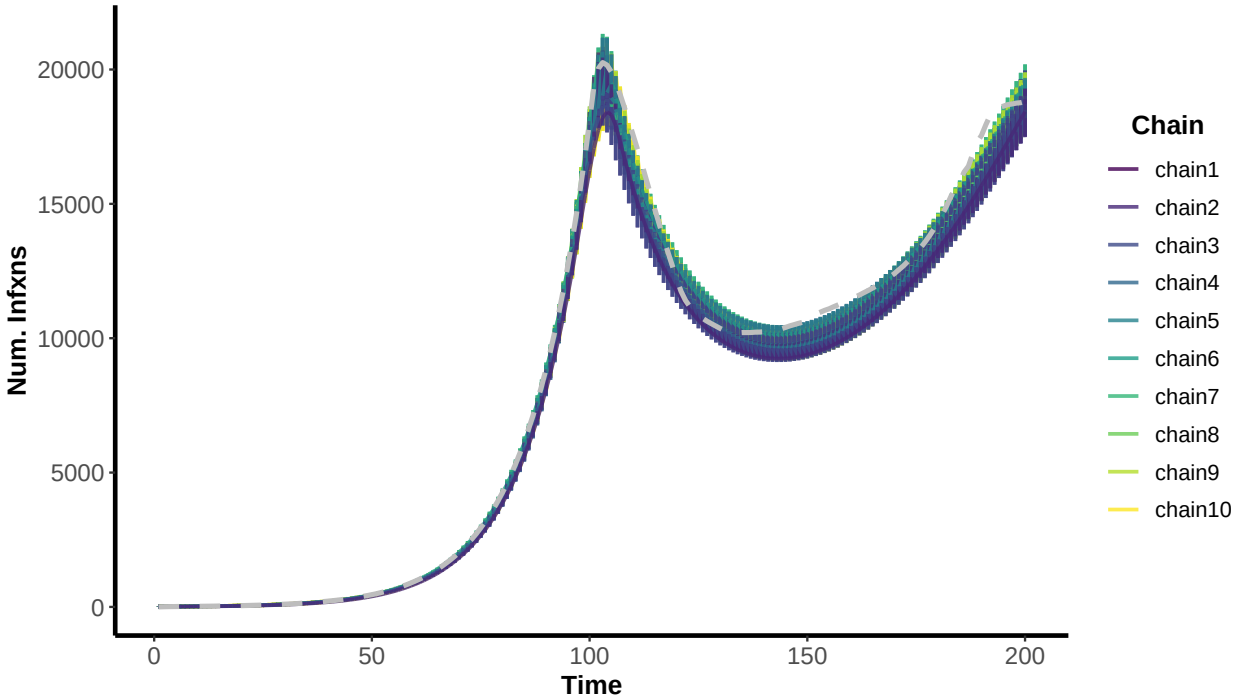

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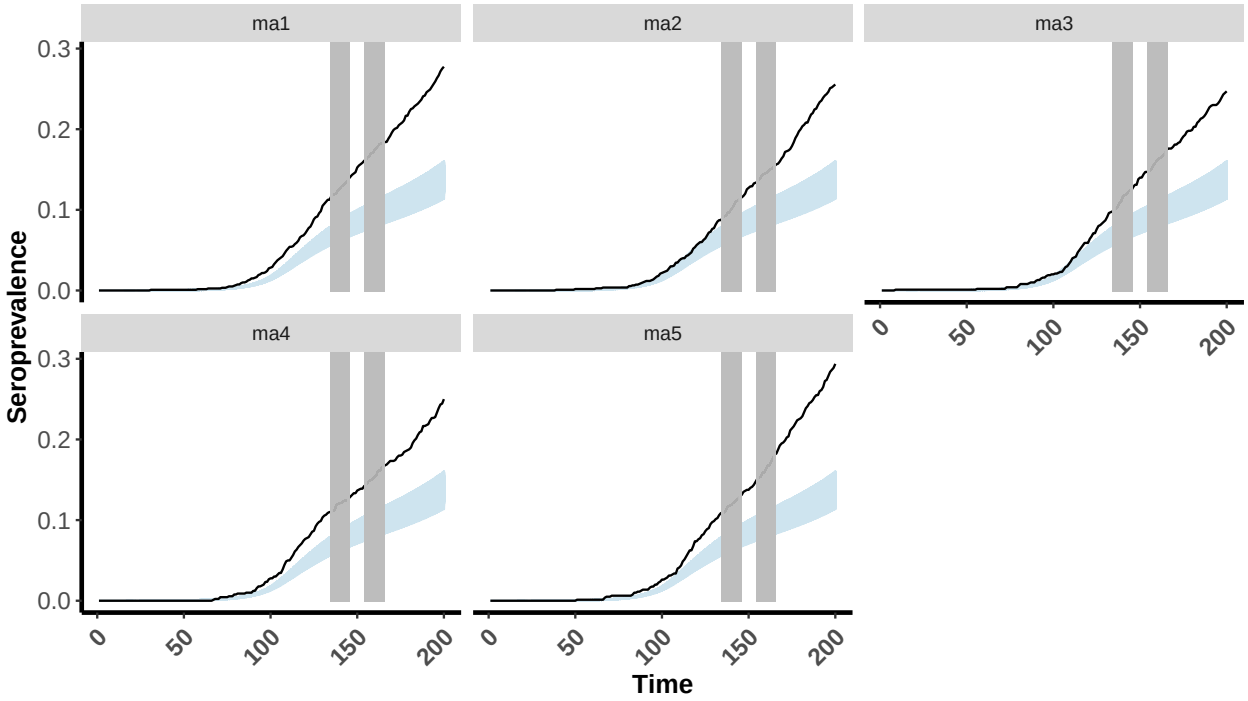

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