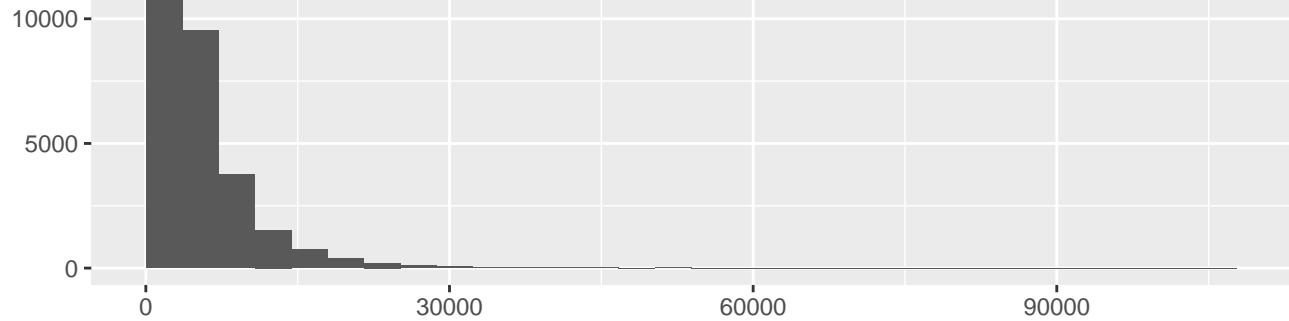
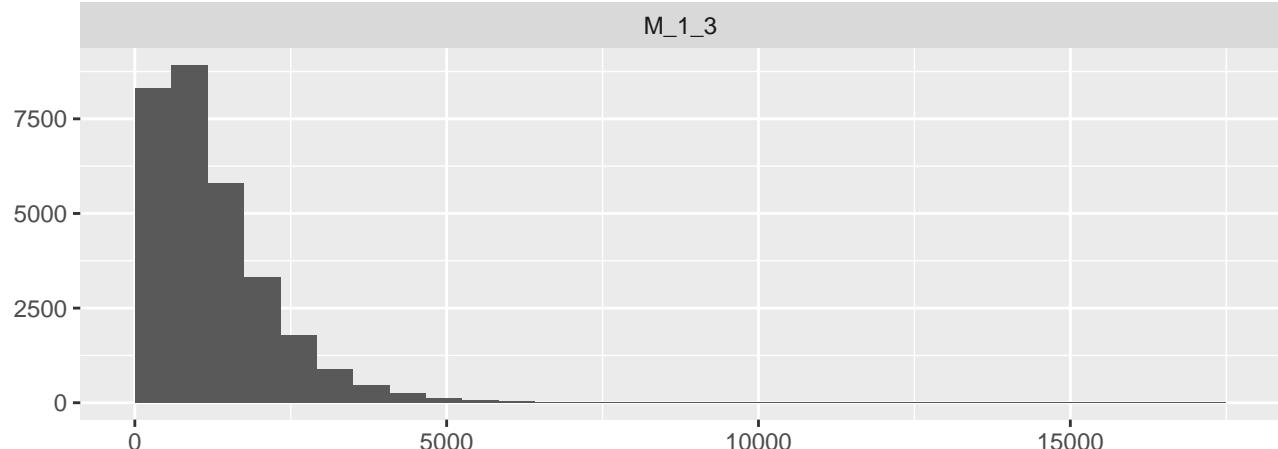


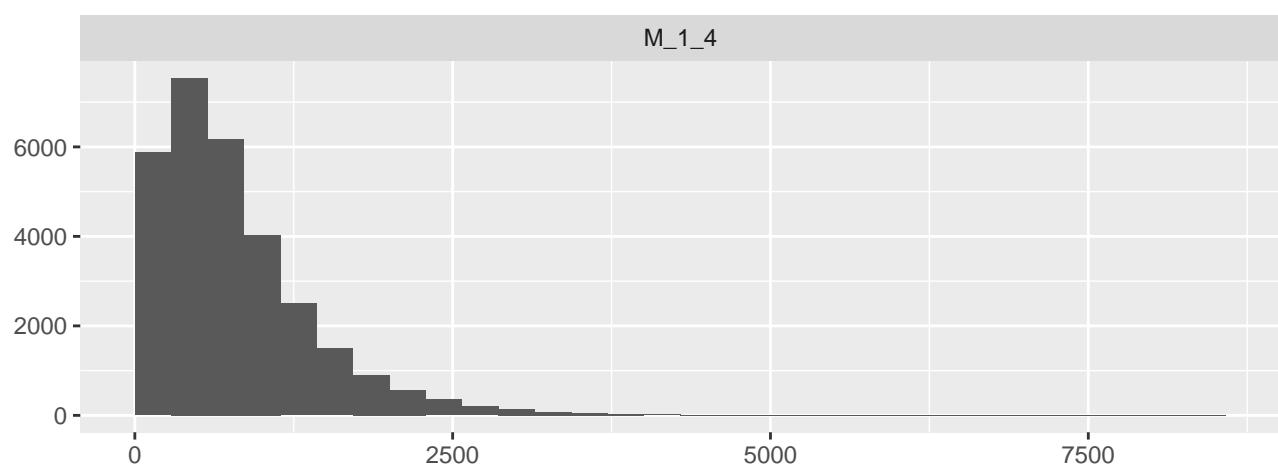
M\_1\_2



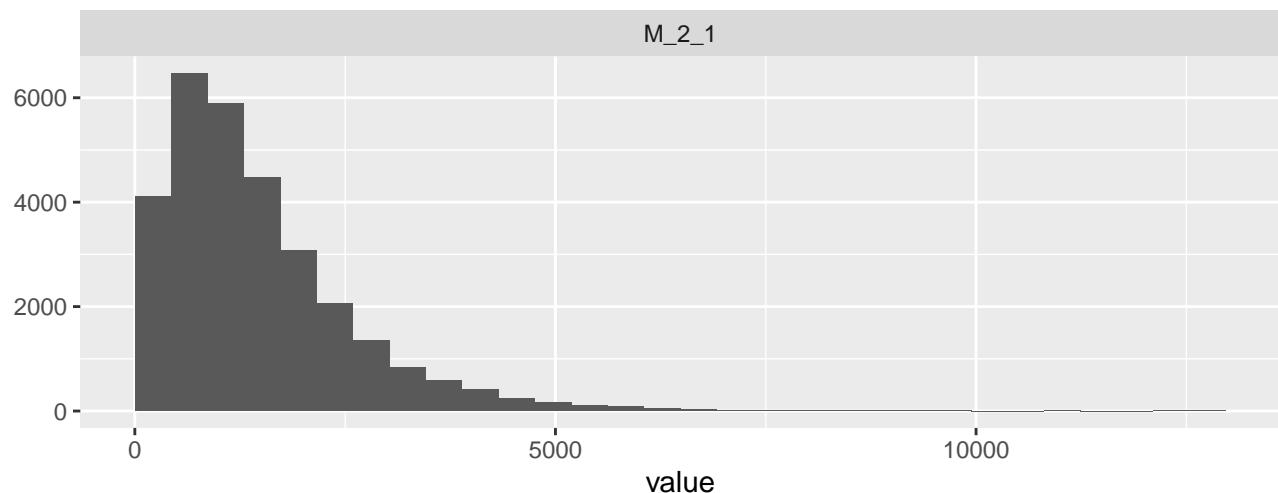
M\_1\_3



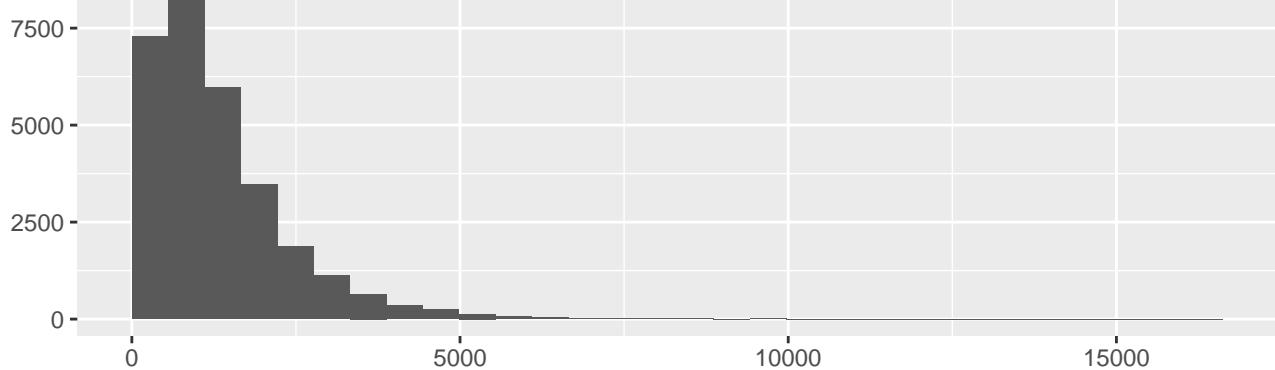
M\_1\_4



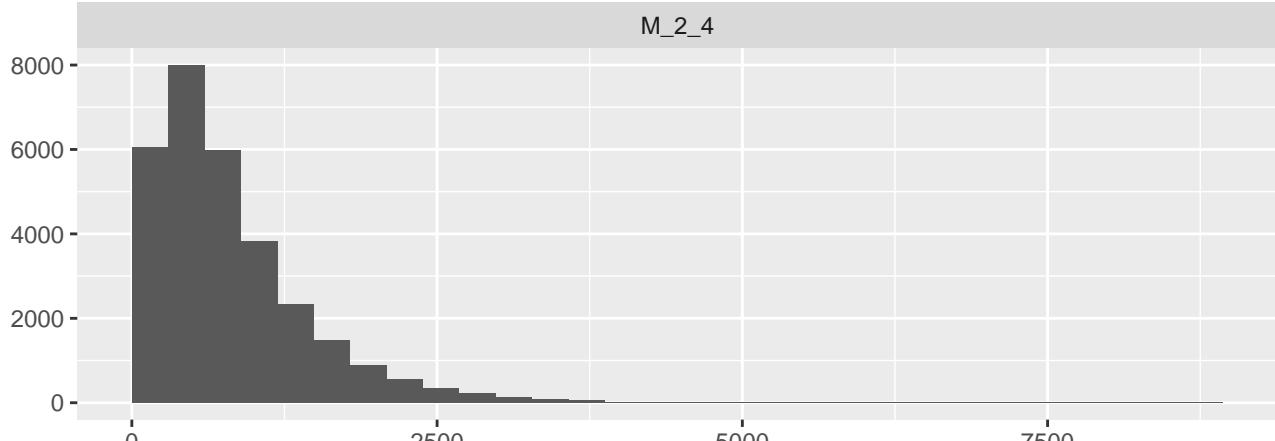
M\_2\_1



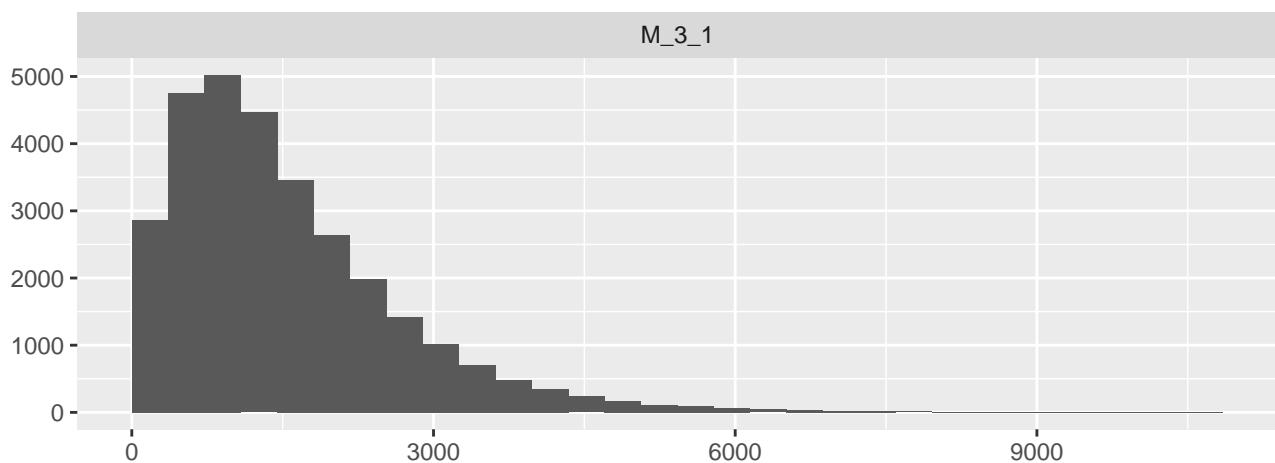
M\_2\_3



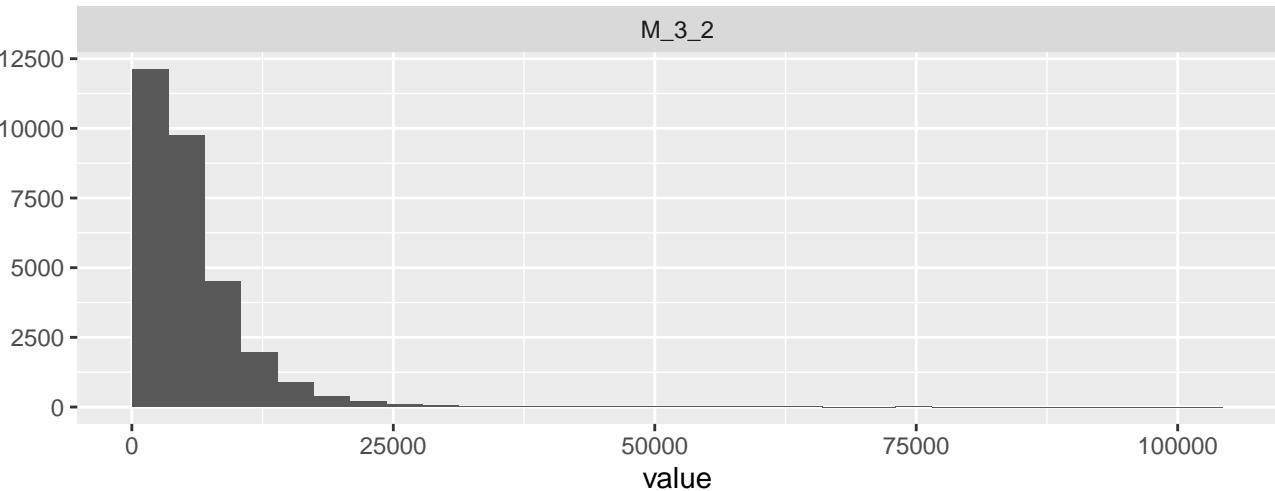
M\_2\_4



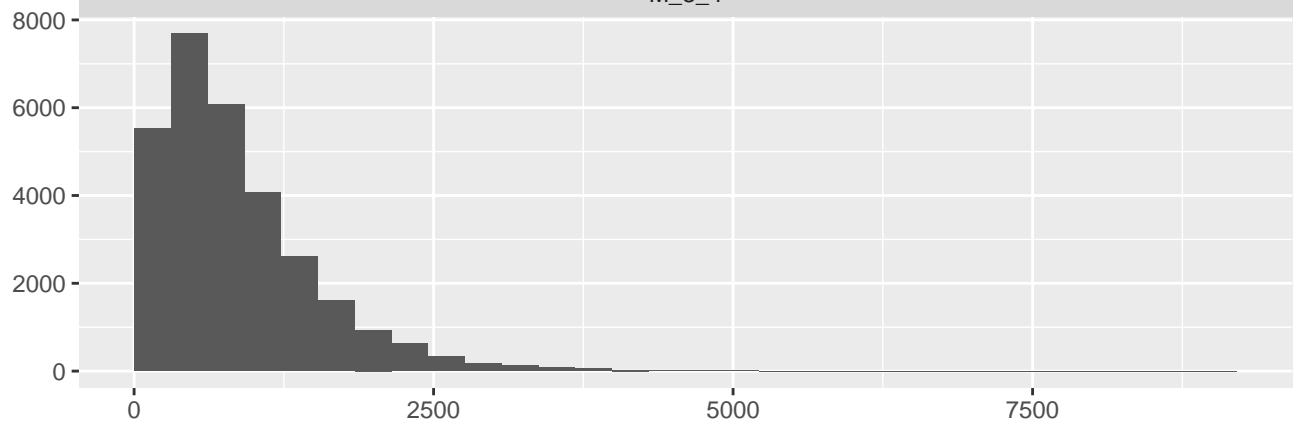
M\_3\_1



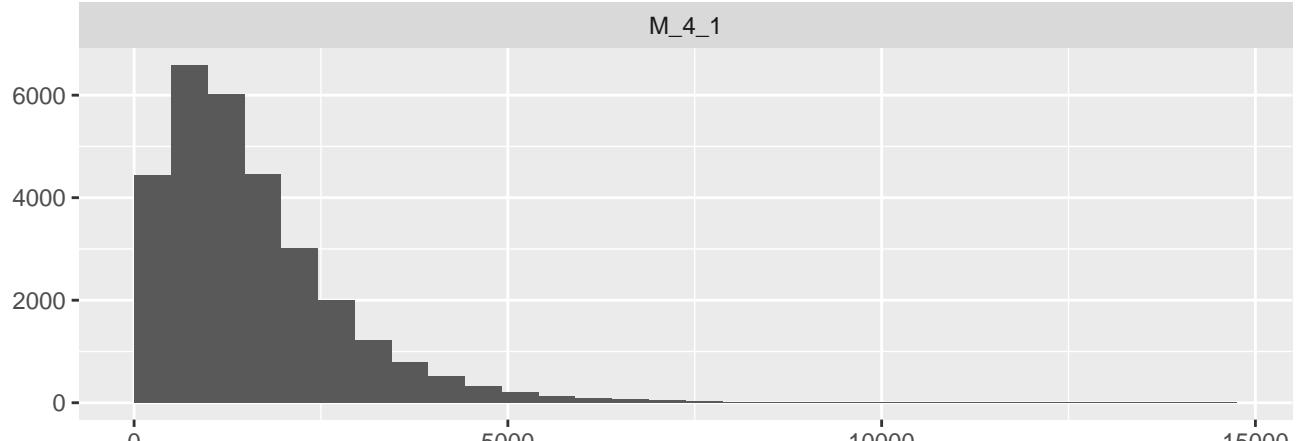
M\_3\_2



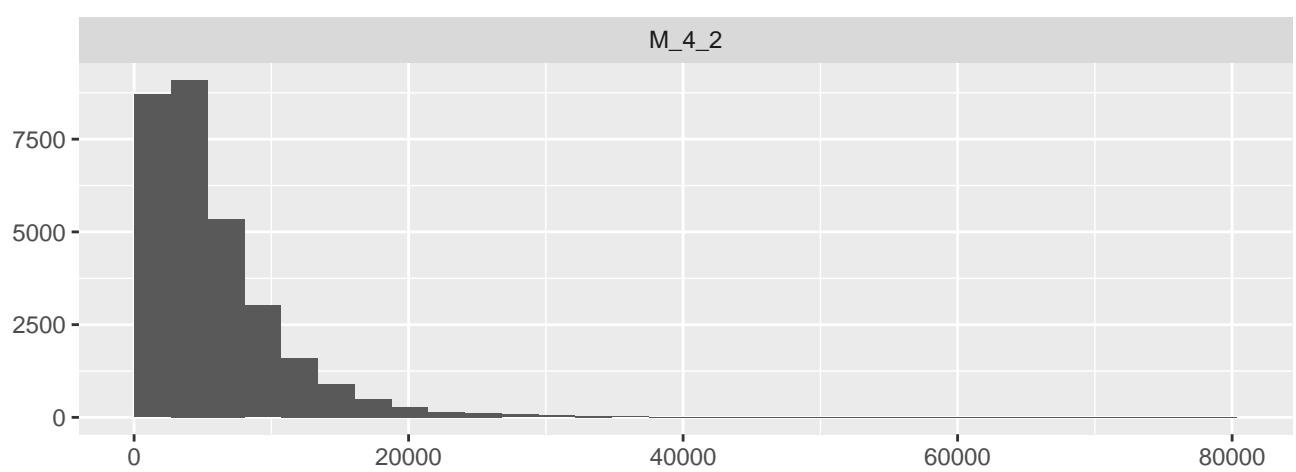
M\_3\_4



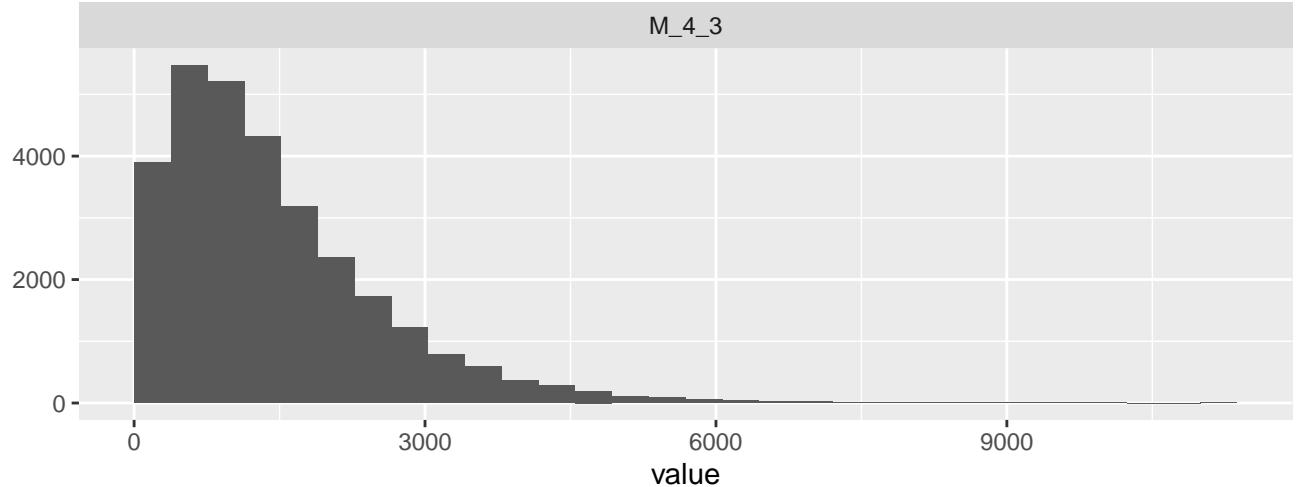
M\_4\_1



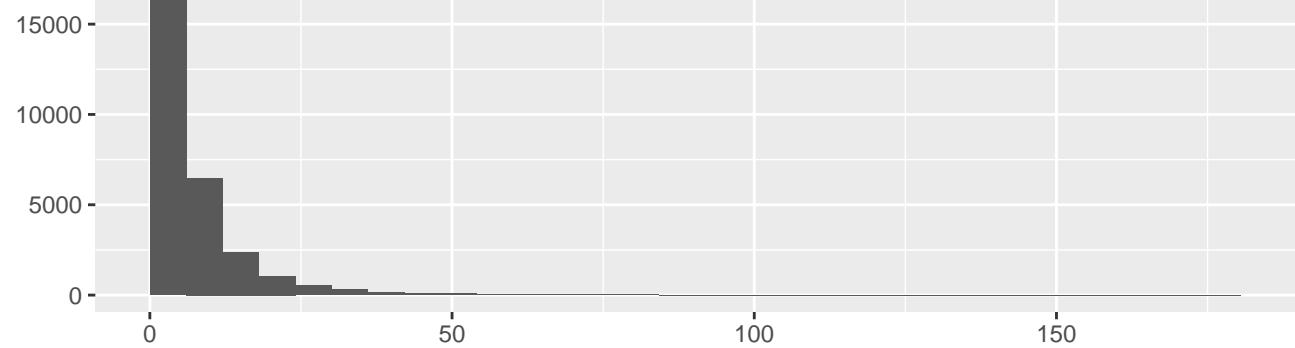
M\_4\_2



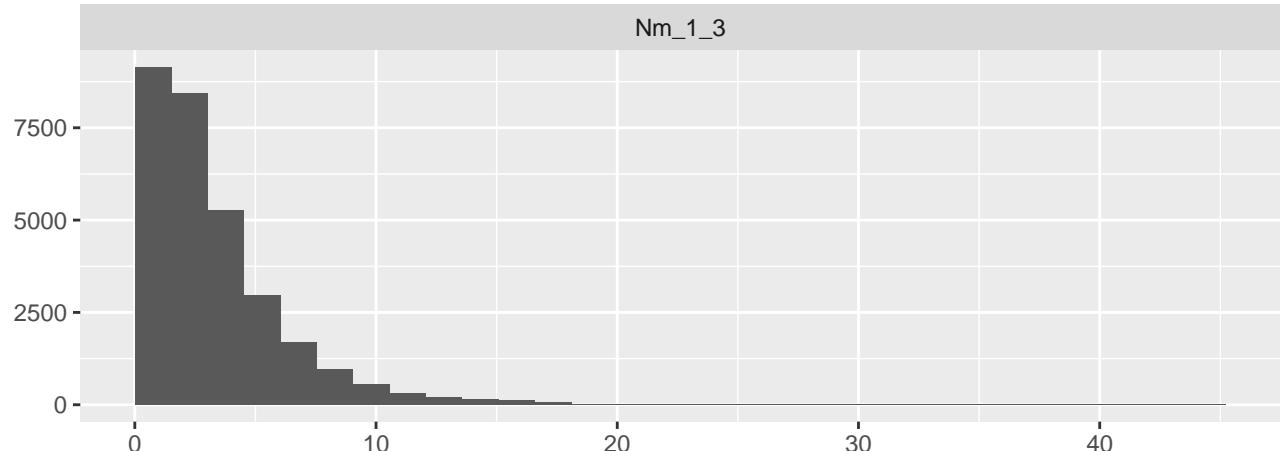
M\_4\_3



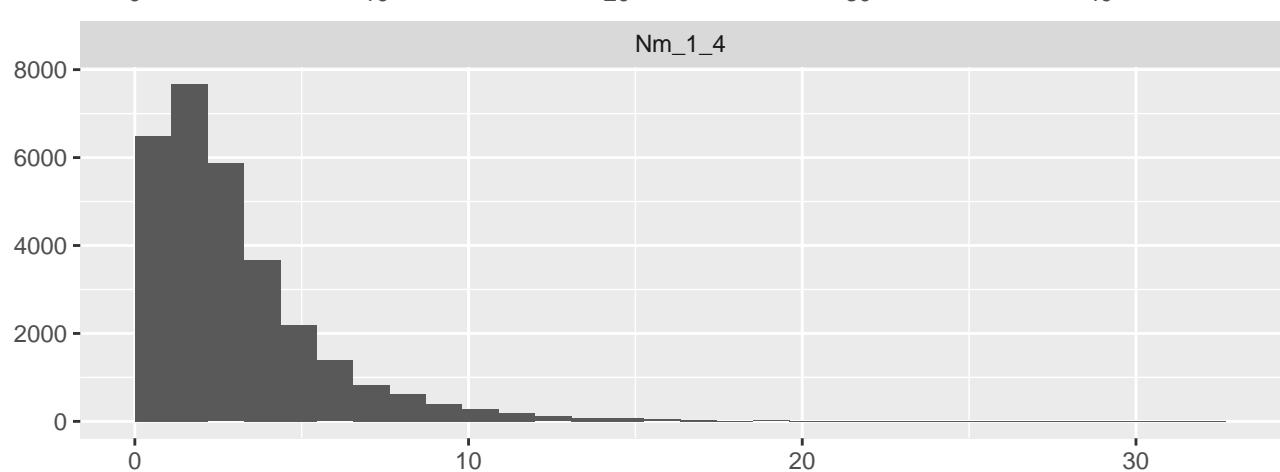
Nm\_1\_2



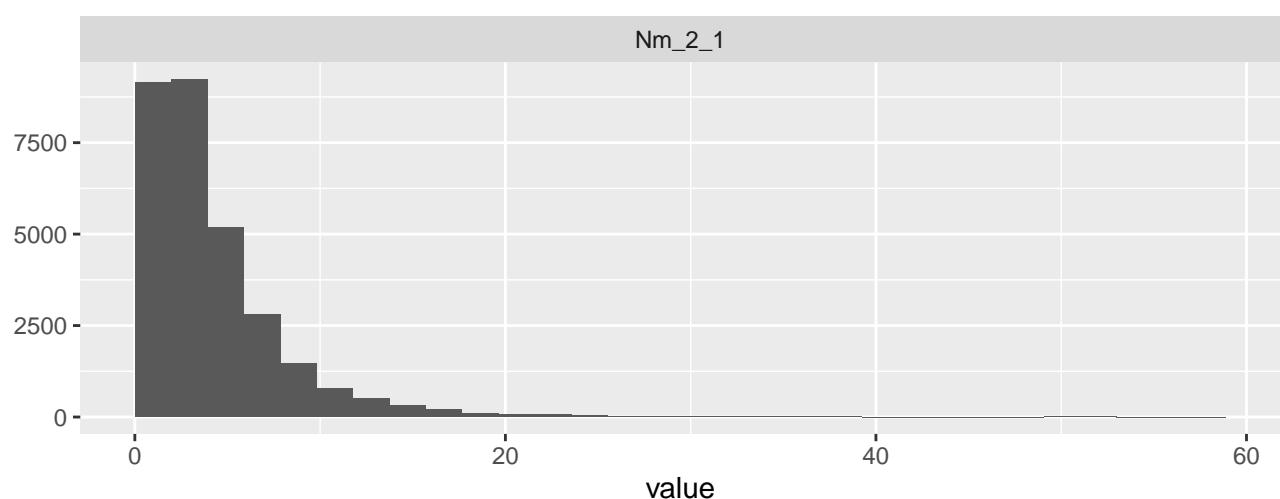
Nm\_1\_3



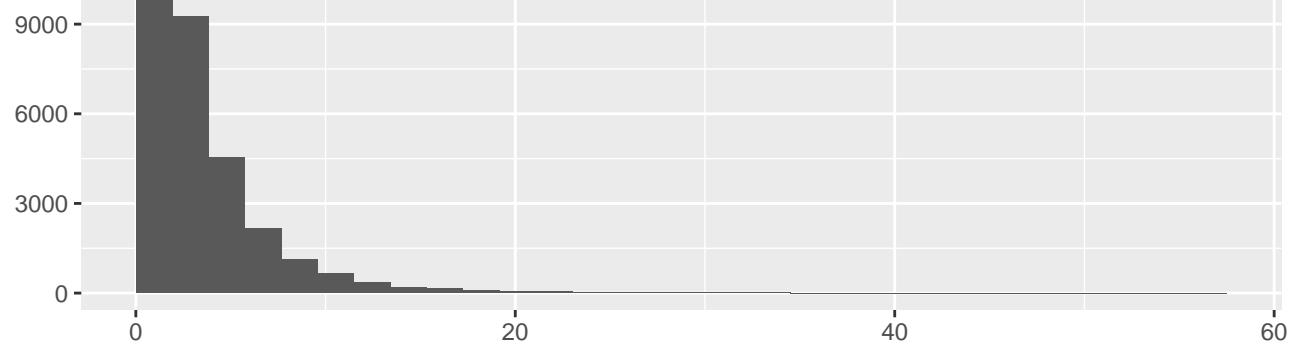
Nm\_1\_4



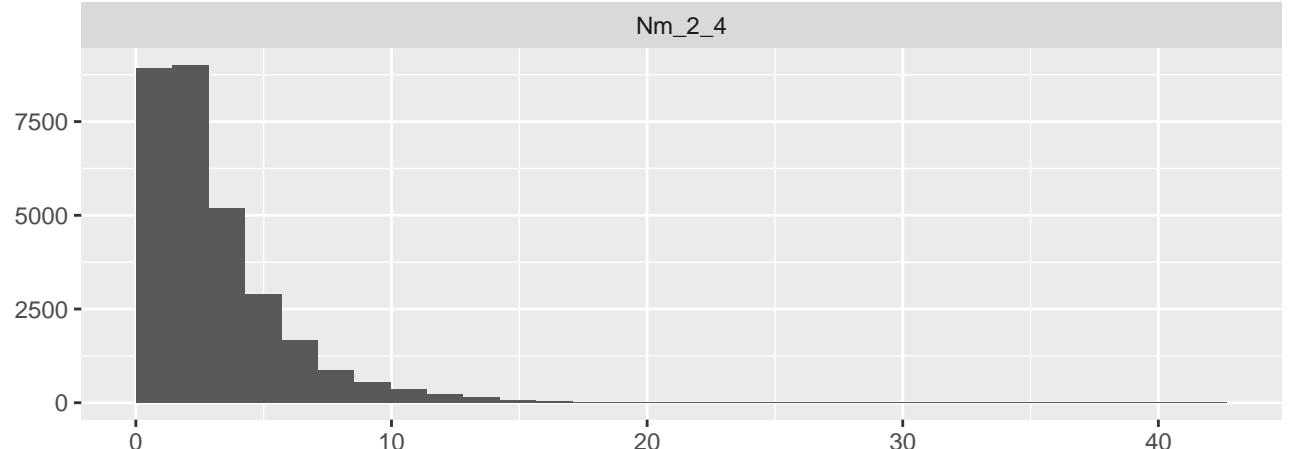
Nm\_2\_1



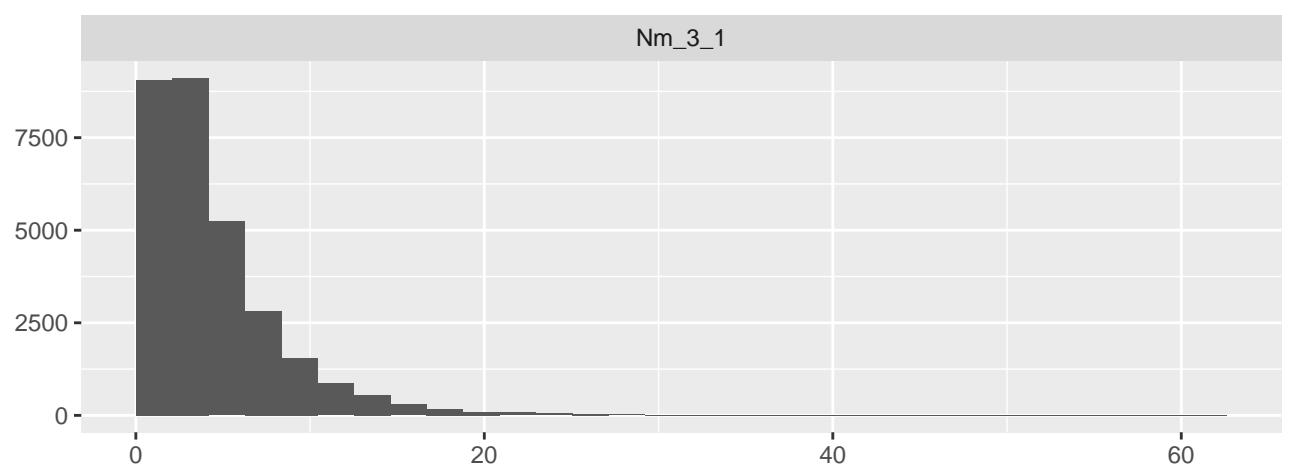
Nm\_2\_3



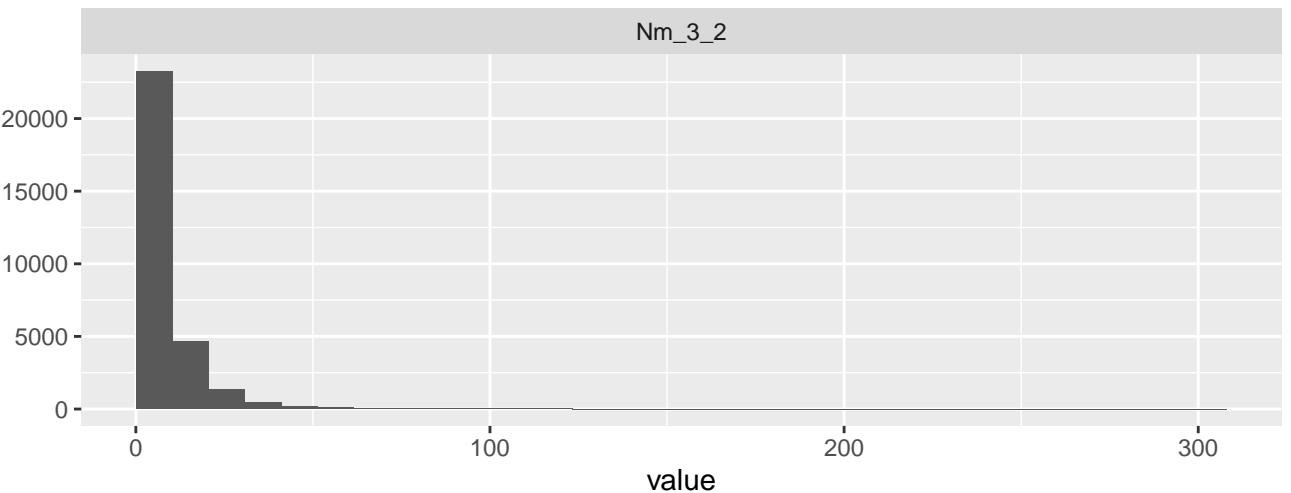
Nm\_2\_4



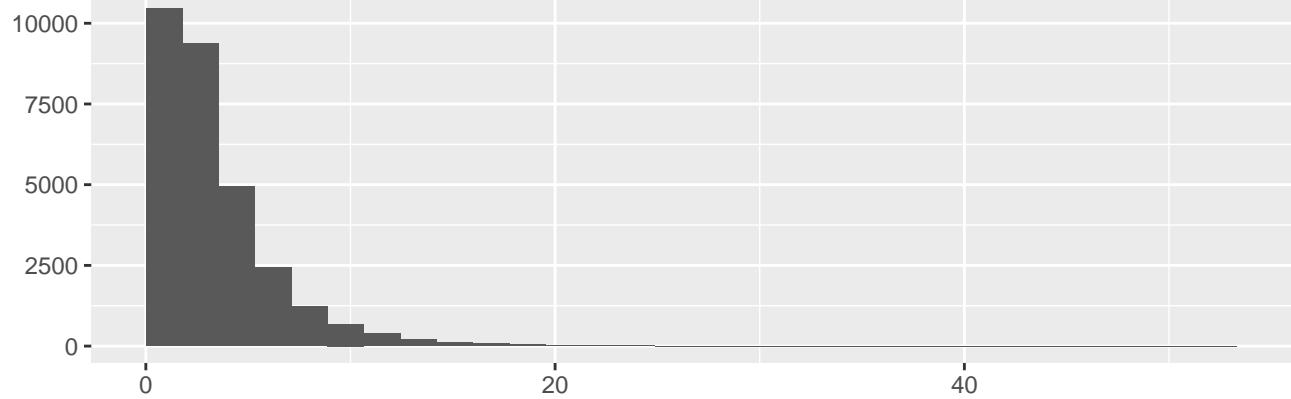
Nm\_3\_1



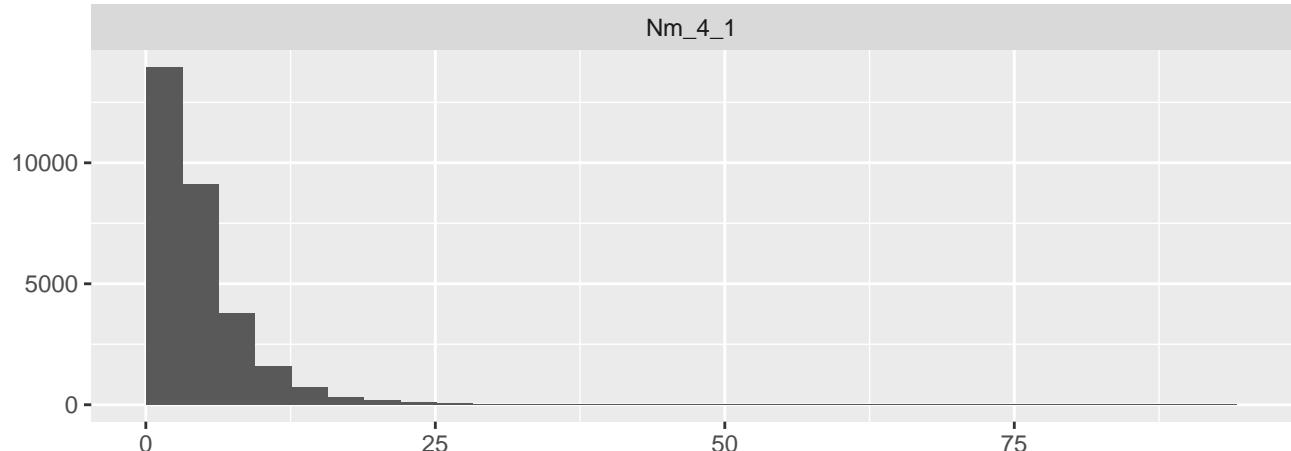
Nm\_3\_2



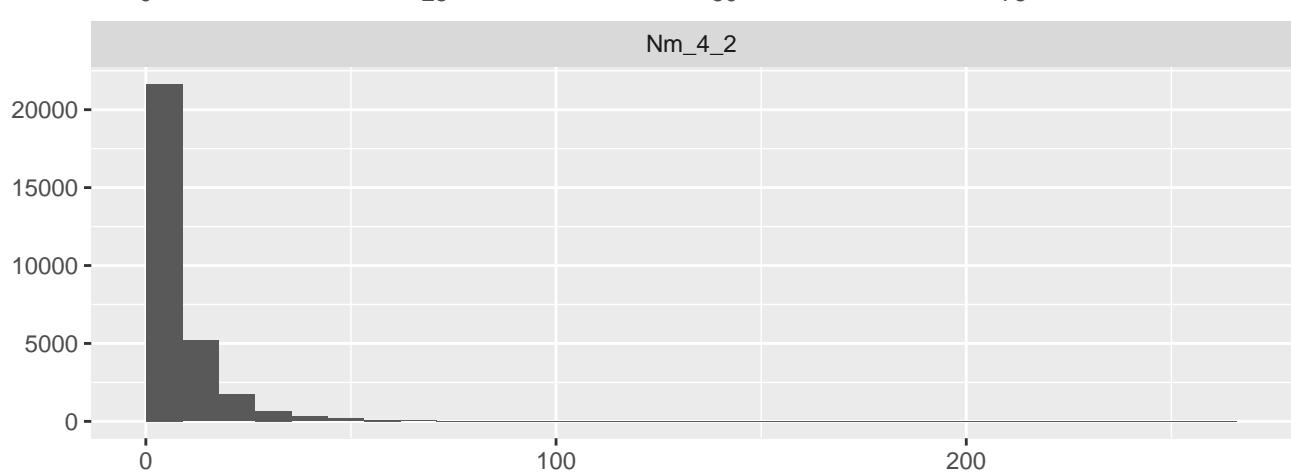
Nm\_3\_4



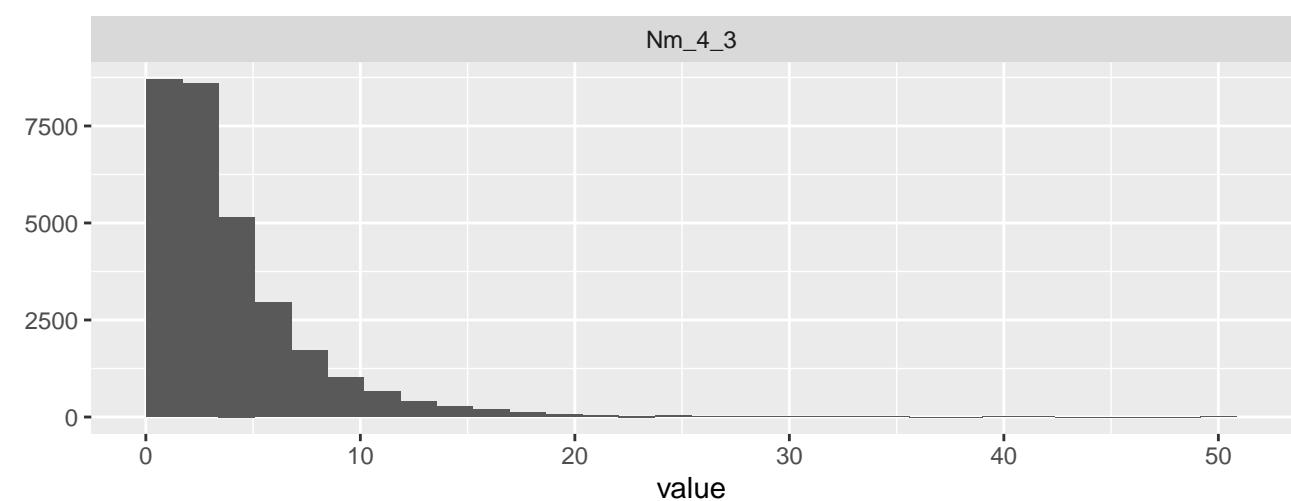
Nm\_4\_1

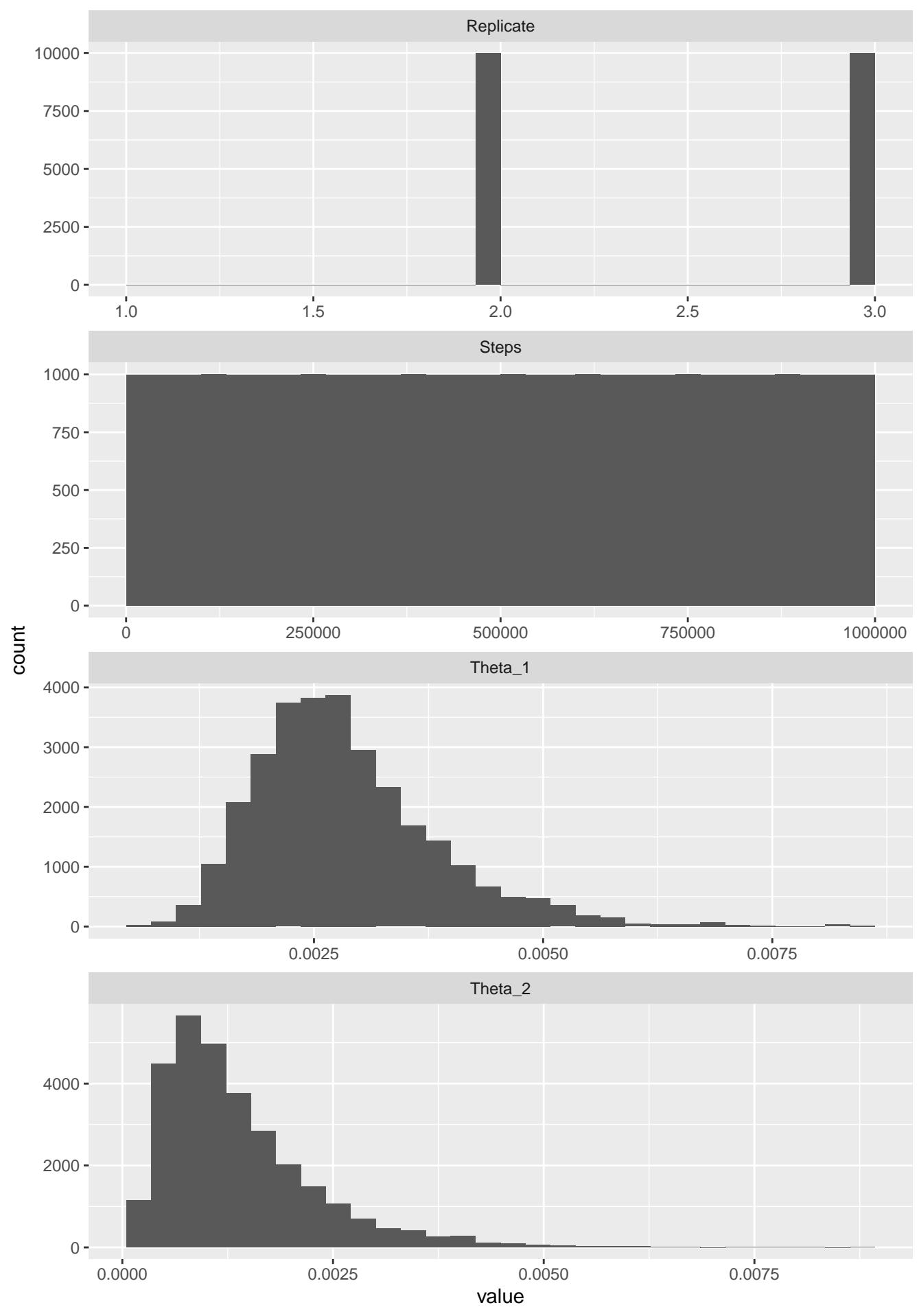


Nm\_4\_2

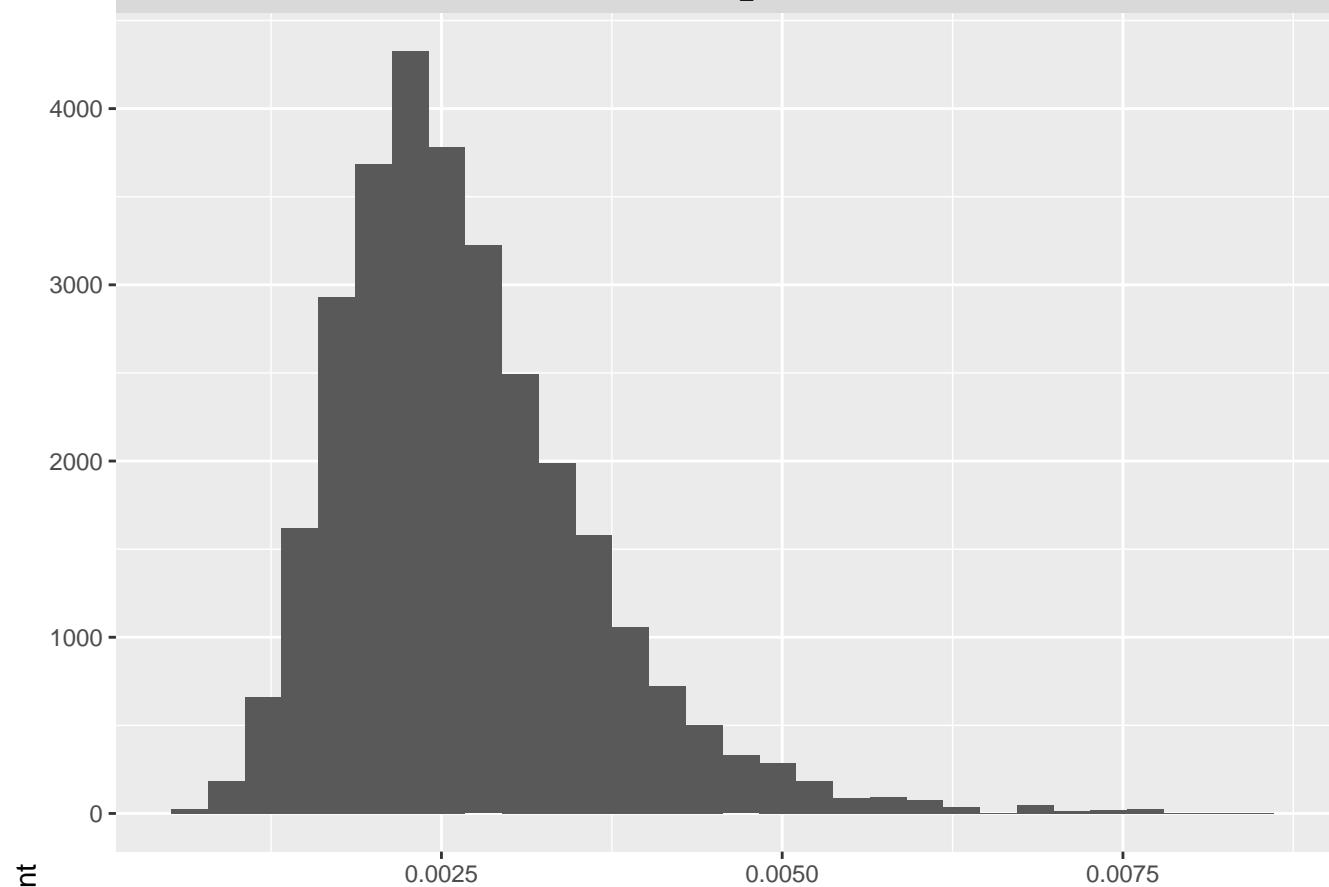


Nm\_4\_3

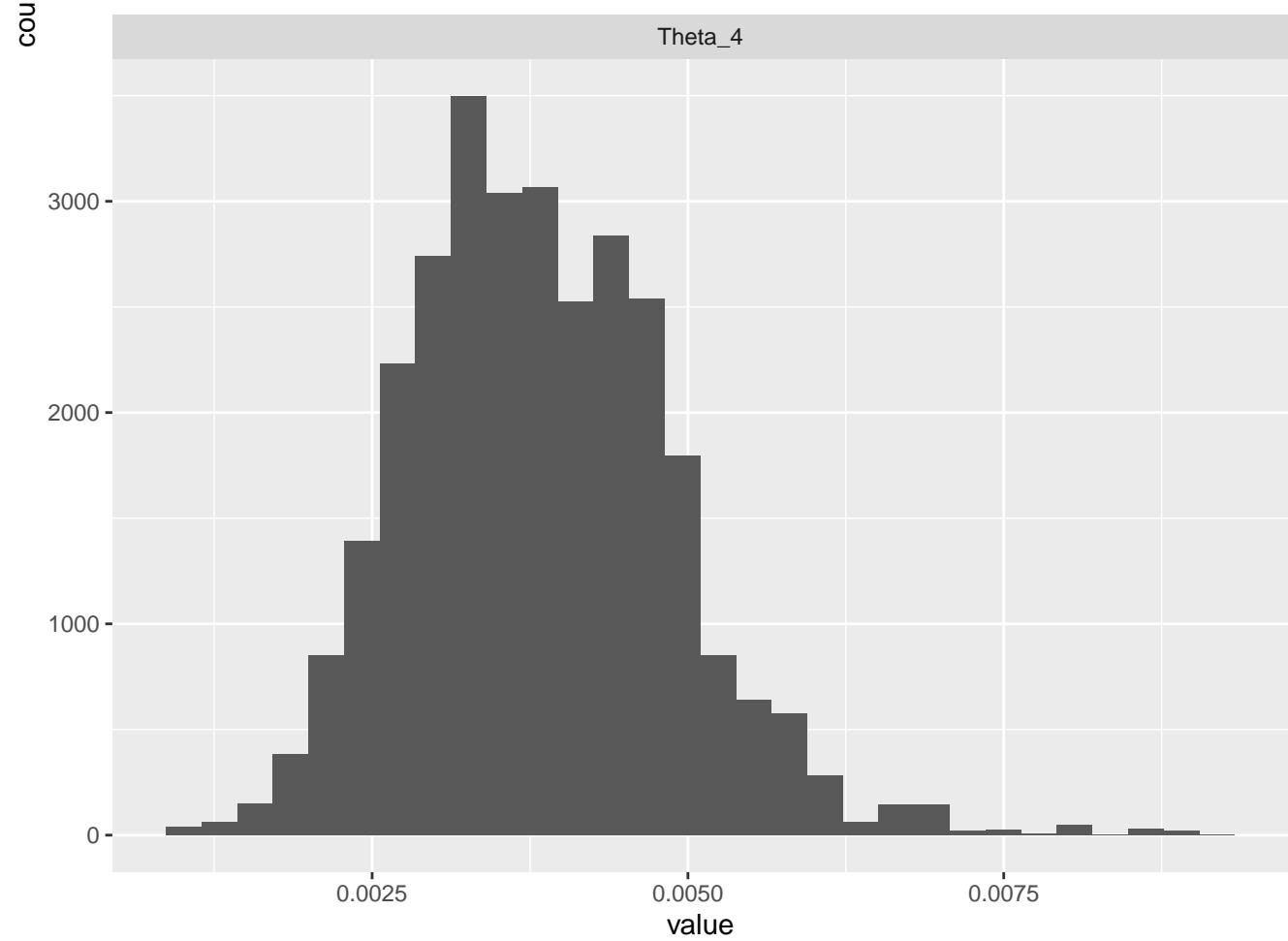


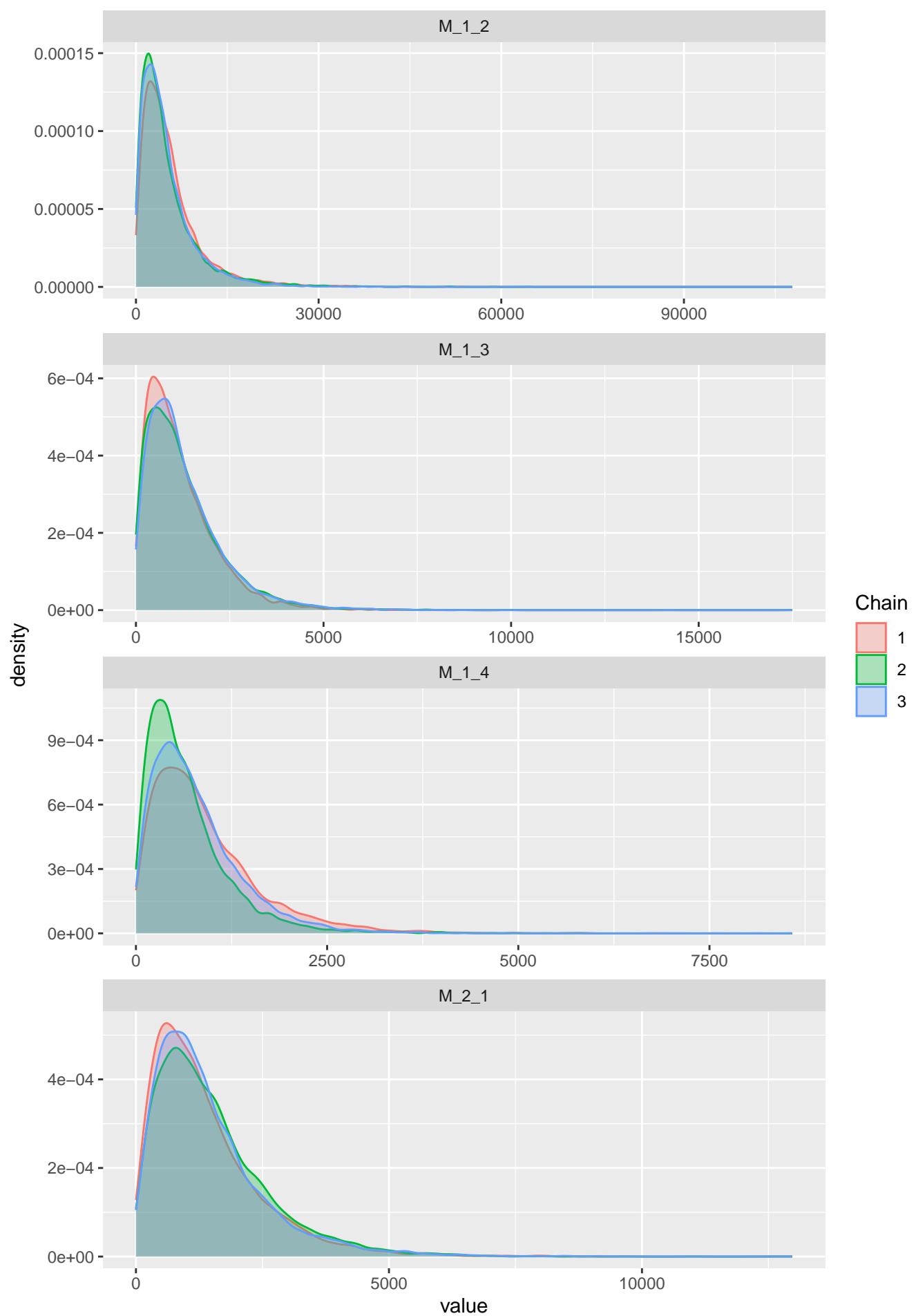


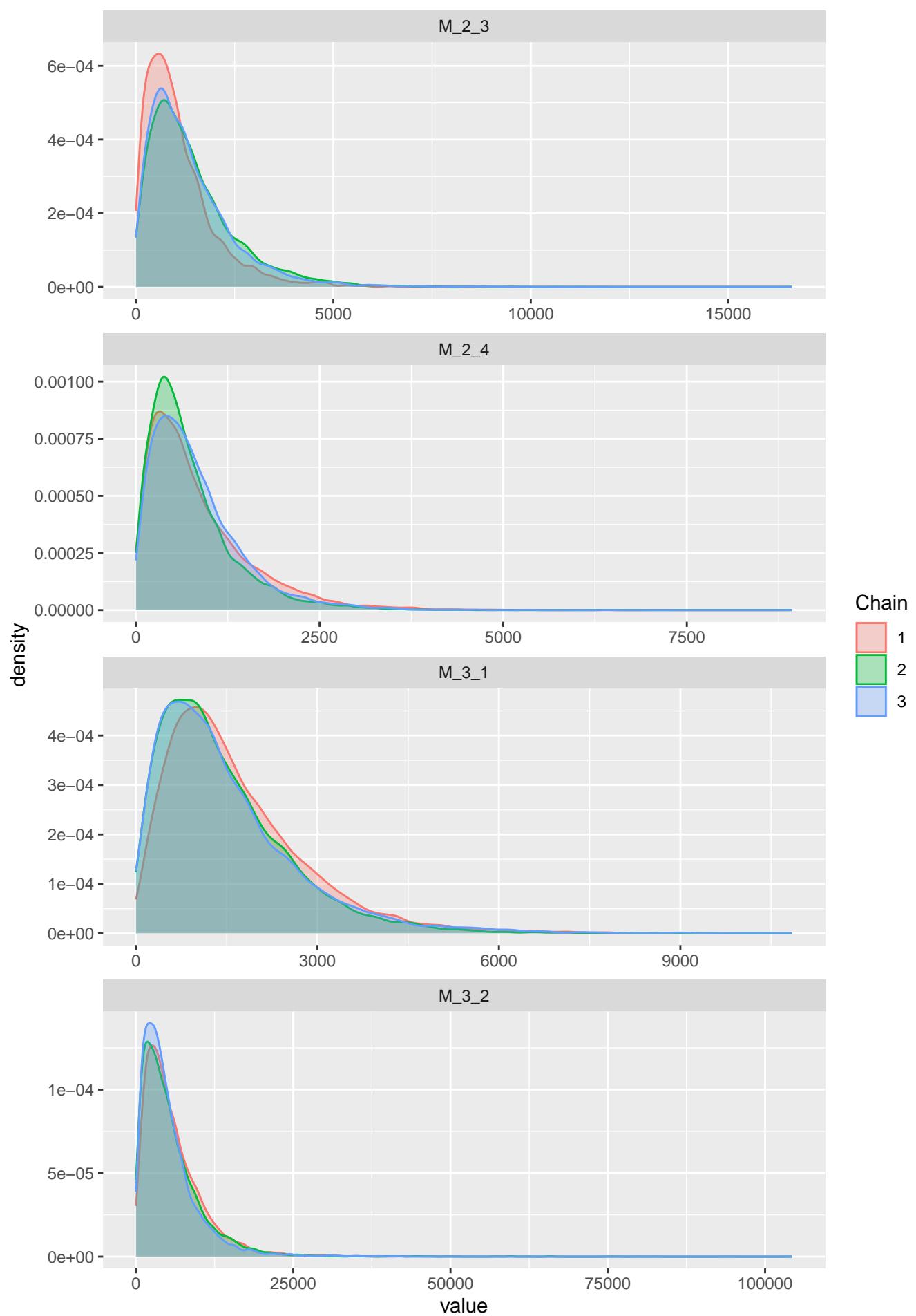
Theta\_3

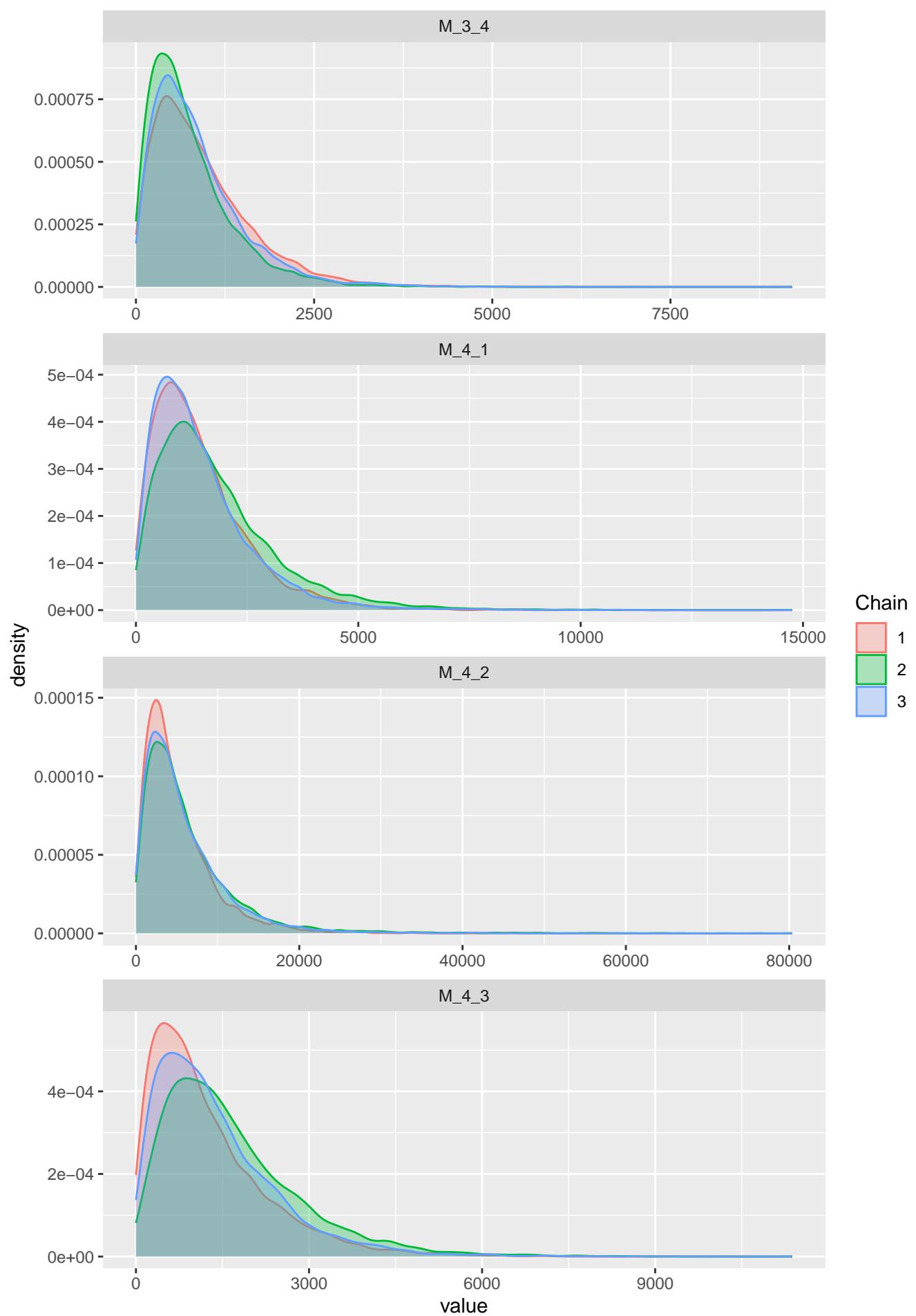


Theta\_4

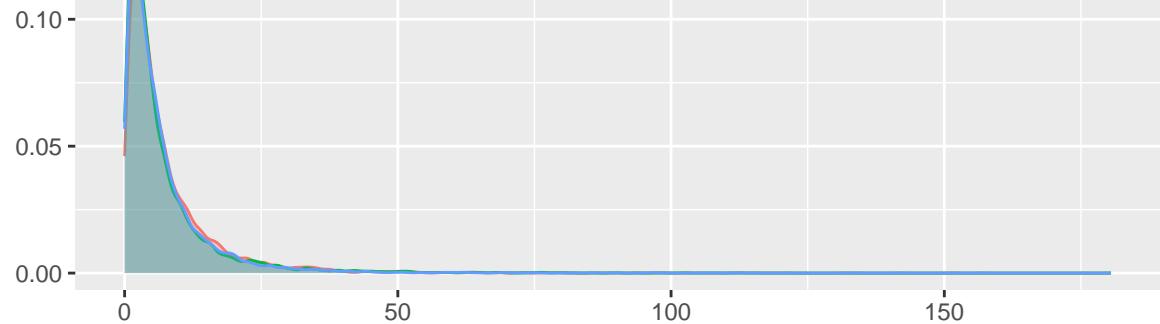




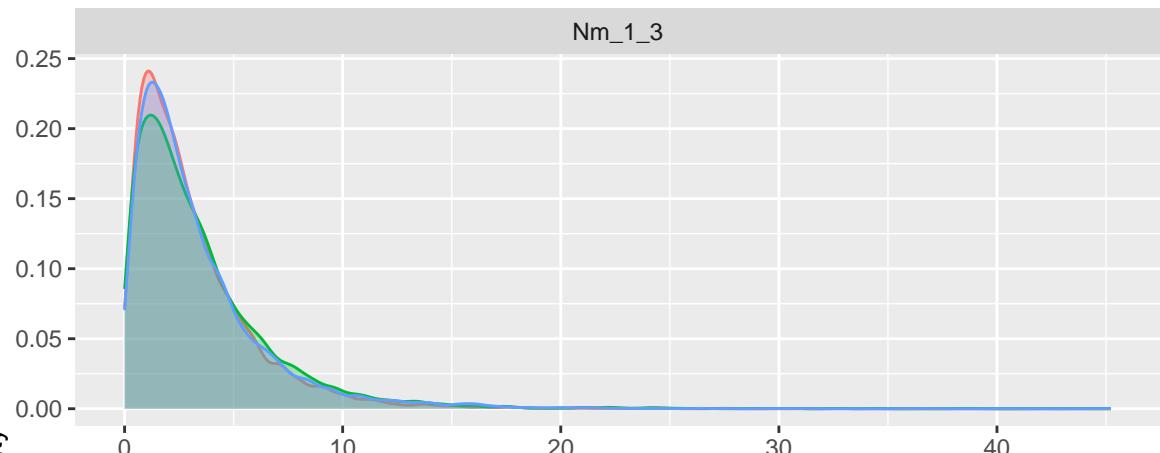




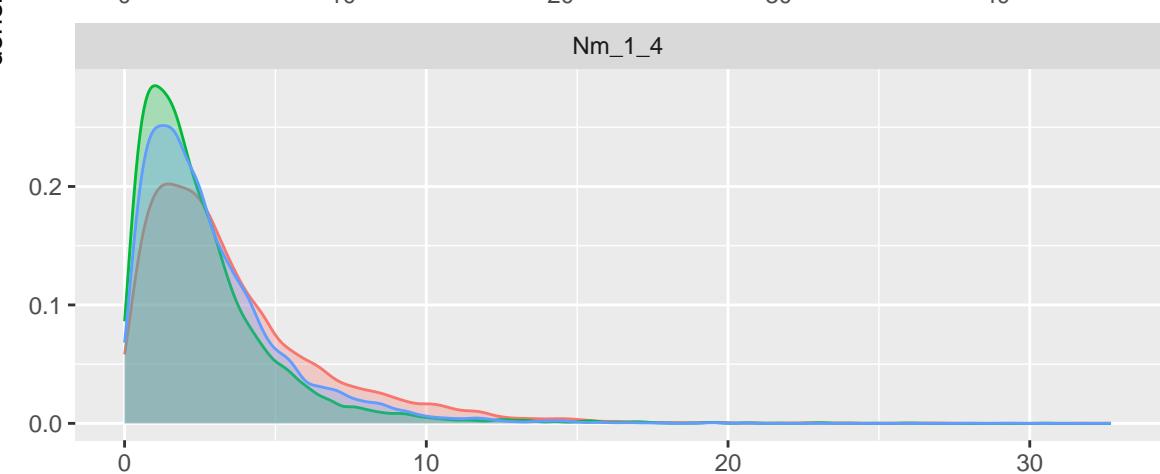
Nm\_1\_2



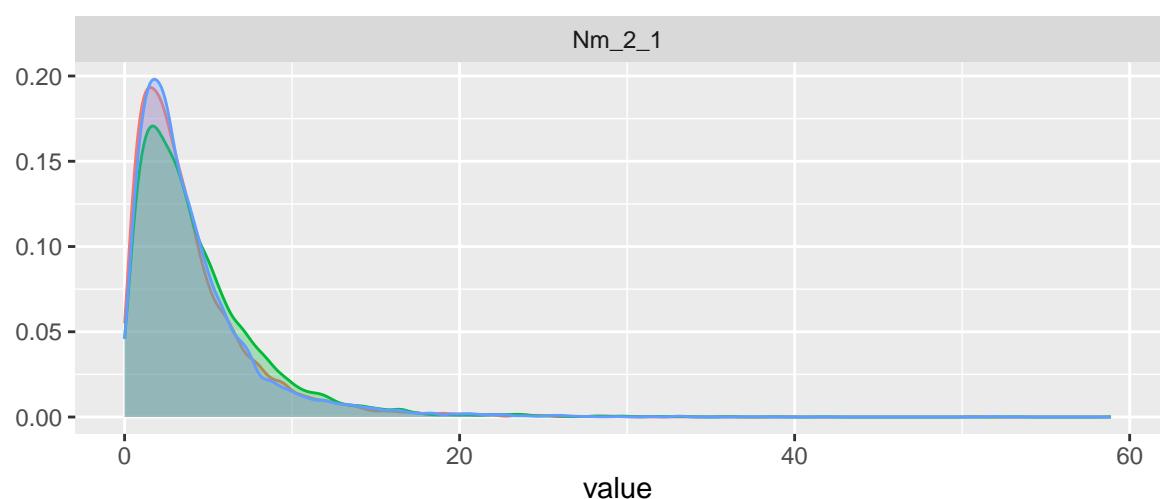
Nm\_1\_3



Nm\_1\_4



Nm\_2\_1

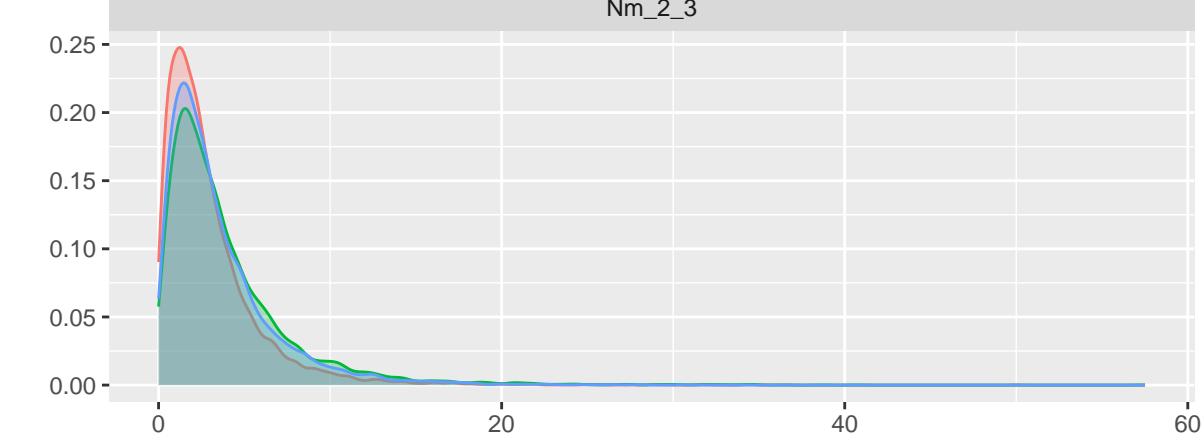


Chain

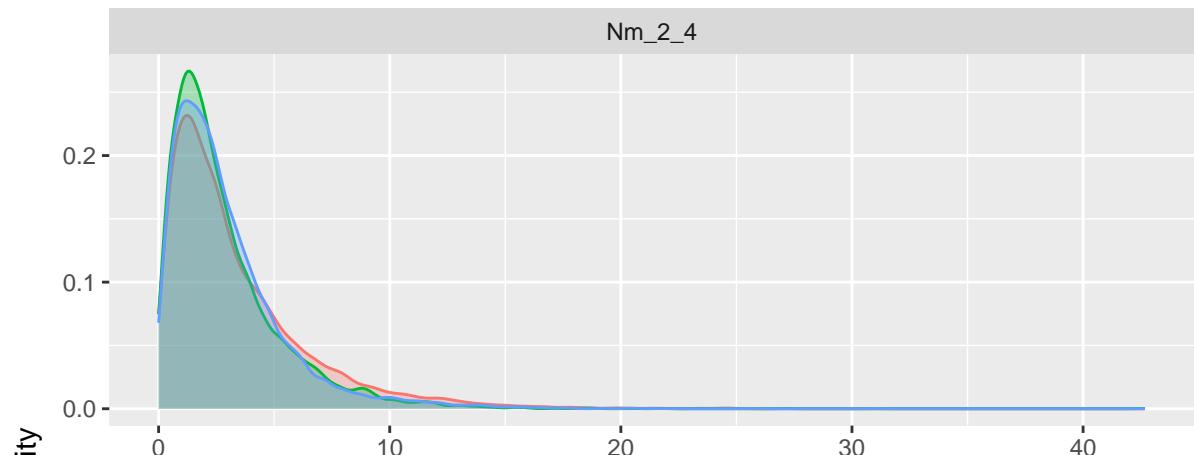
- 1
- 2
- 3

value

Nm\_2\_3



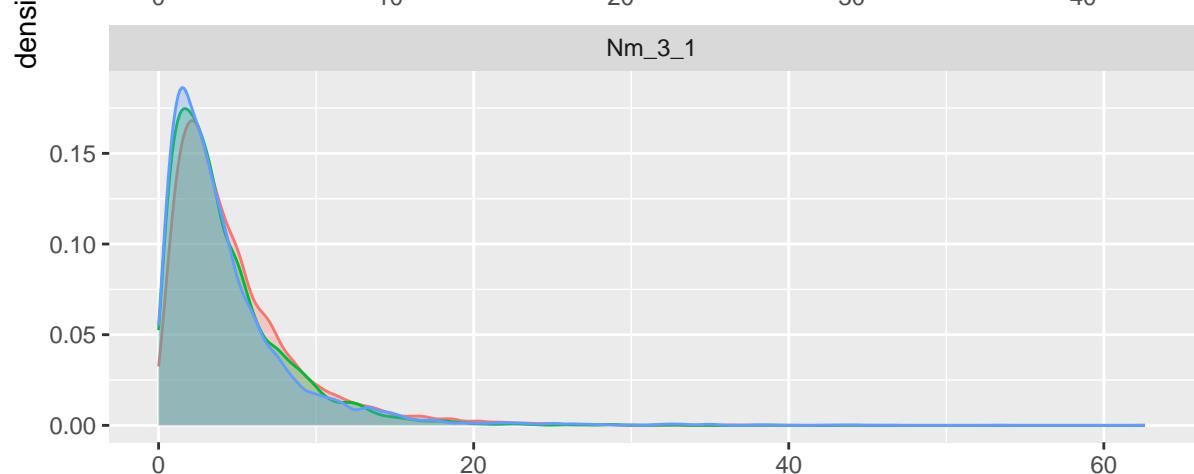
Nm\_2\_4



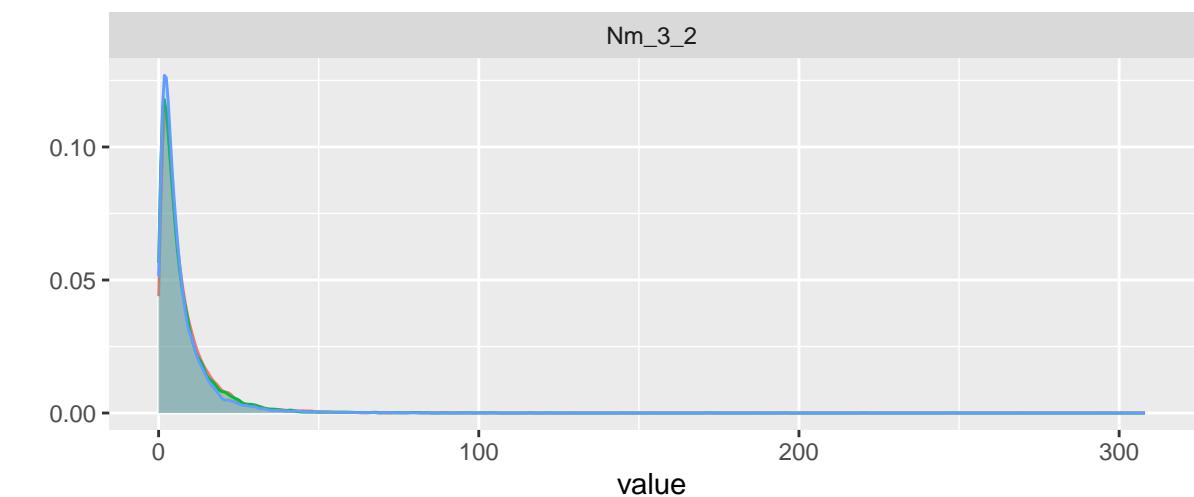
Chain

- 1
- 2
- 3

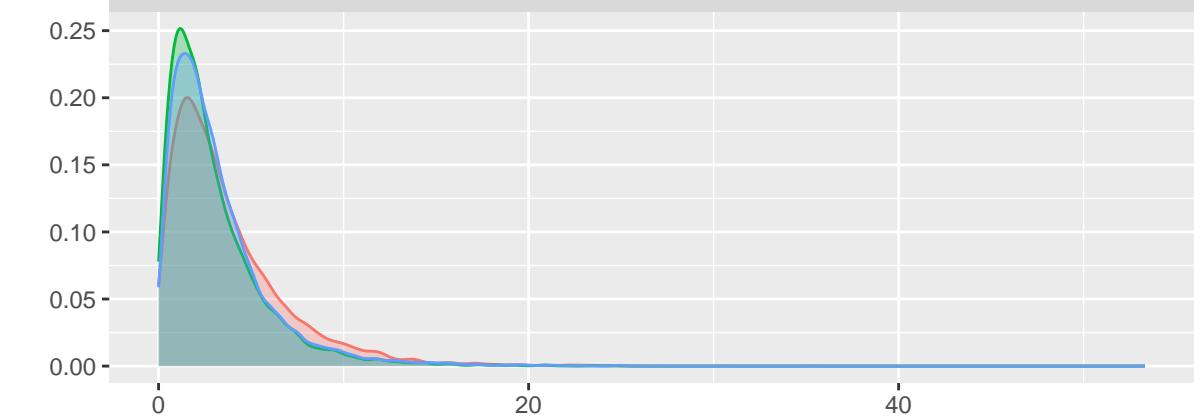
Nm\_3\_1



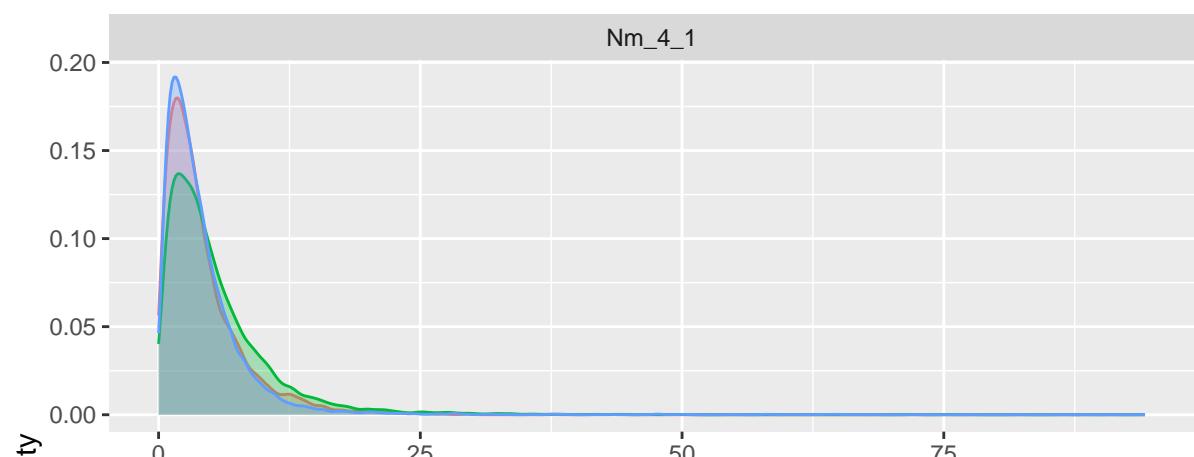
Nm\_3\_2



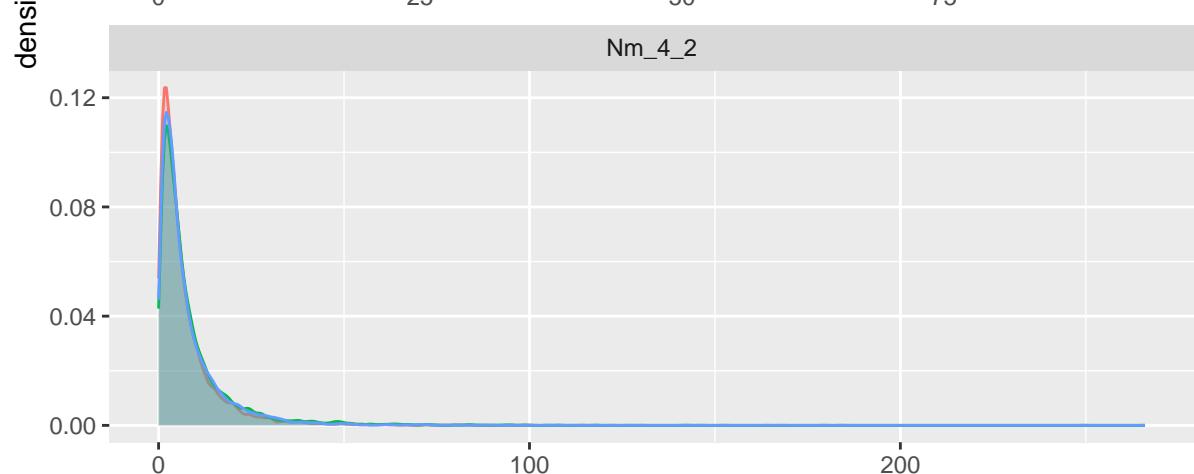
Nm\_3\_4



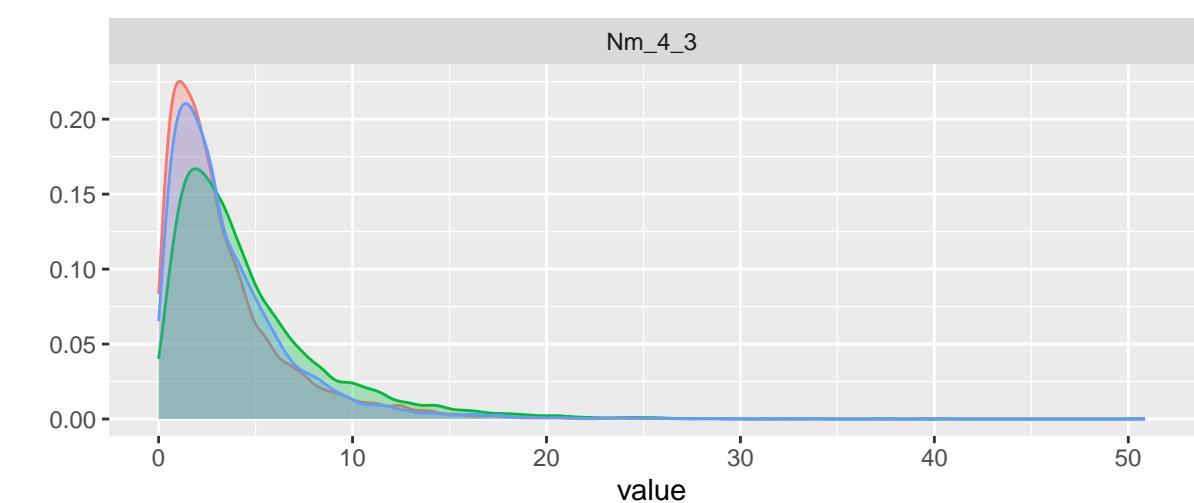
Nm\_4\_1



Nm\_4\_2

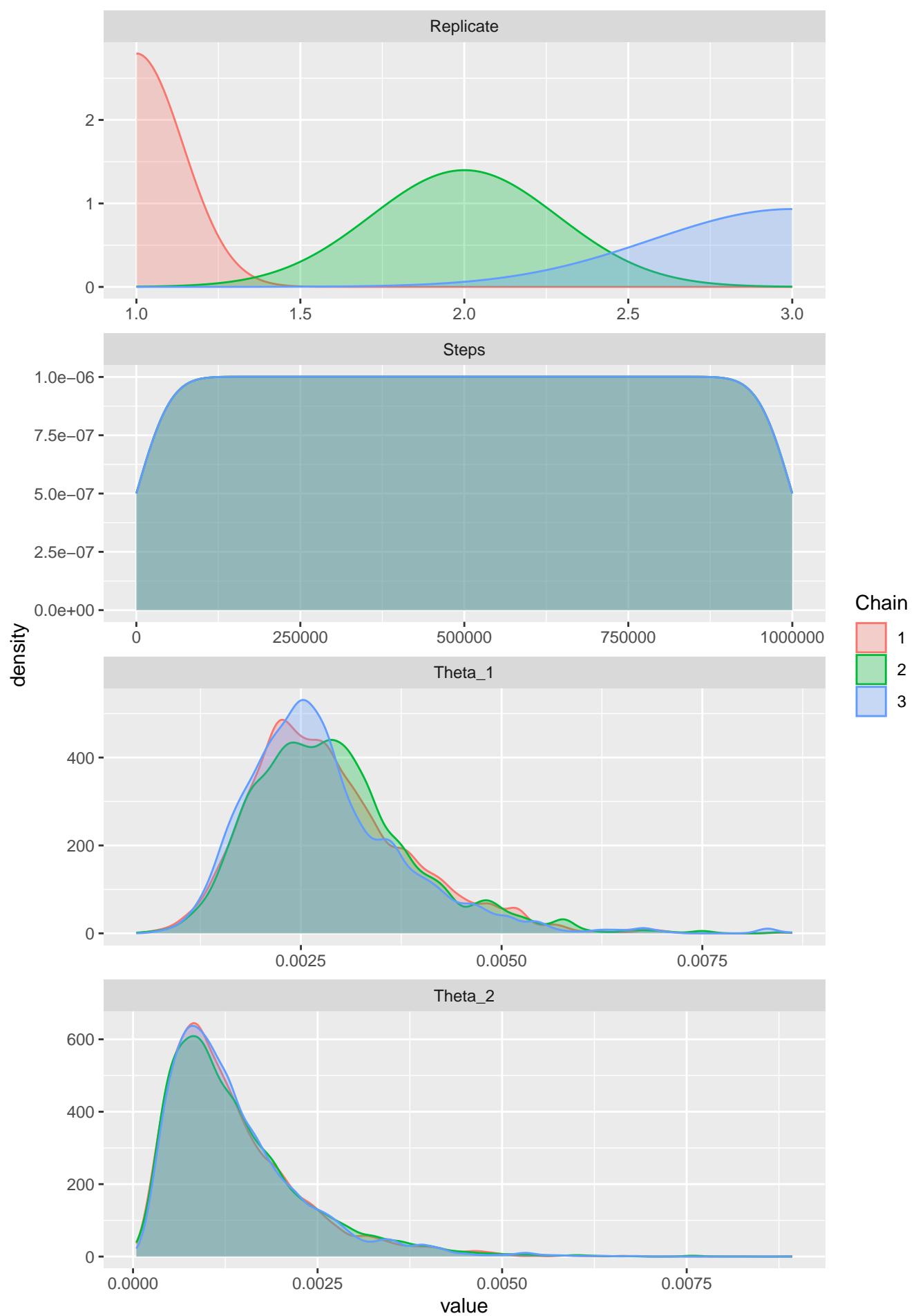


Nm\_4\_3



Chain

- 1
- 2
- 3



Theta\_3

density

400  
200  
0

0.0025

0.0050

0.0075

Chain

1  
2  
3

Theta\_4

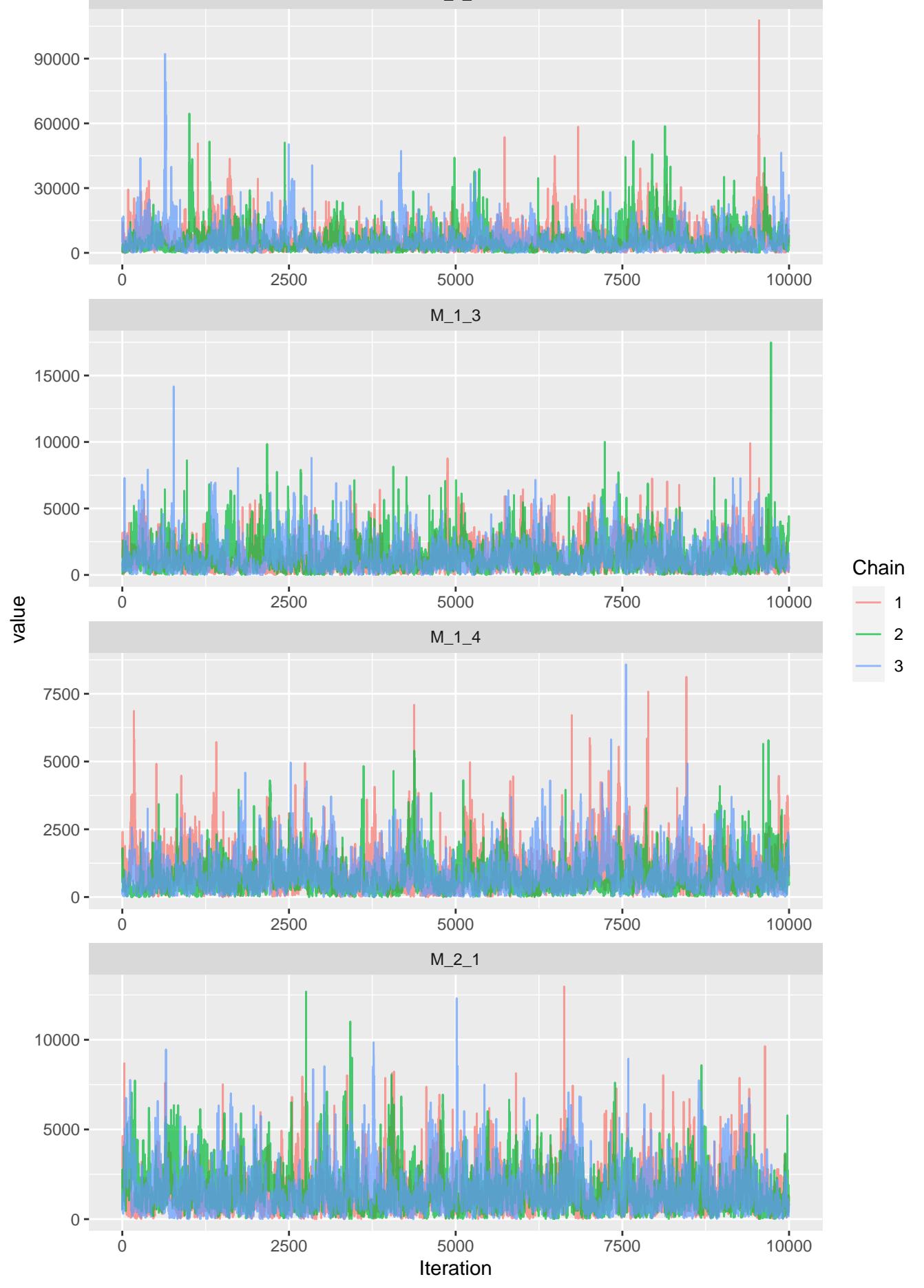
400  
300  
200  
100  
0

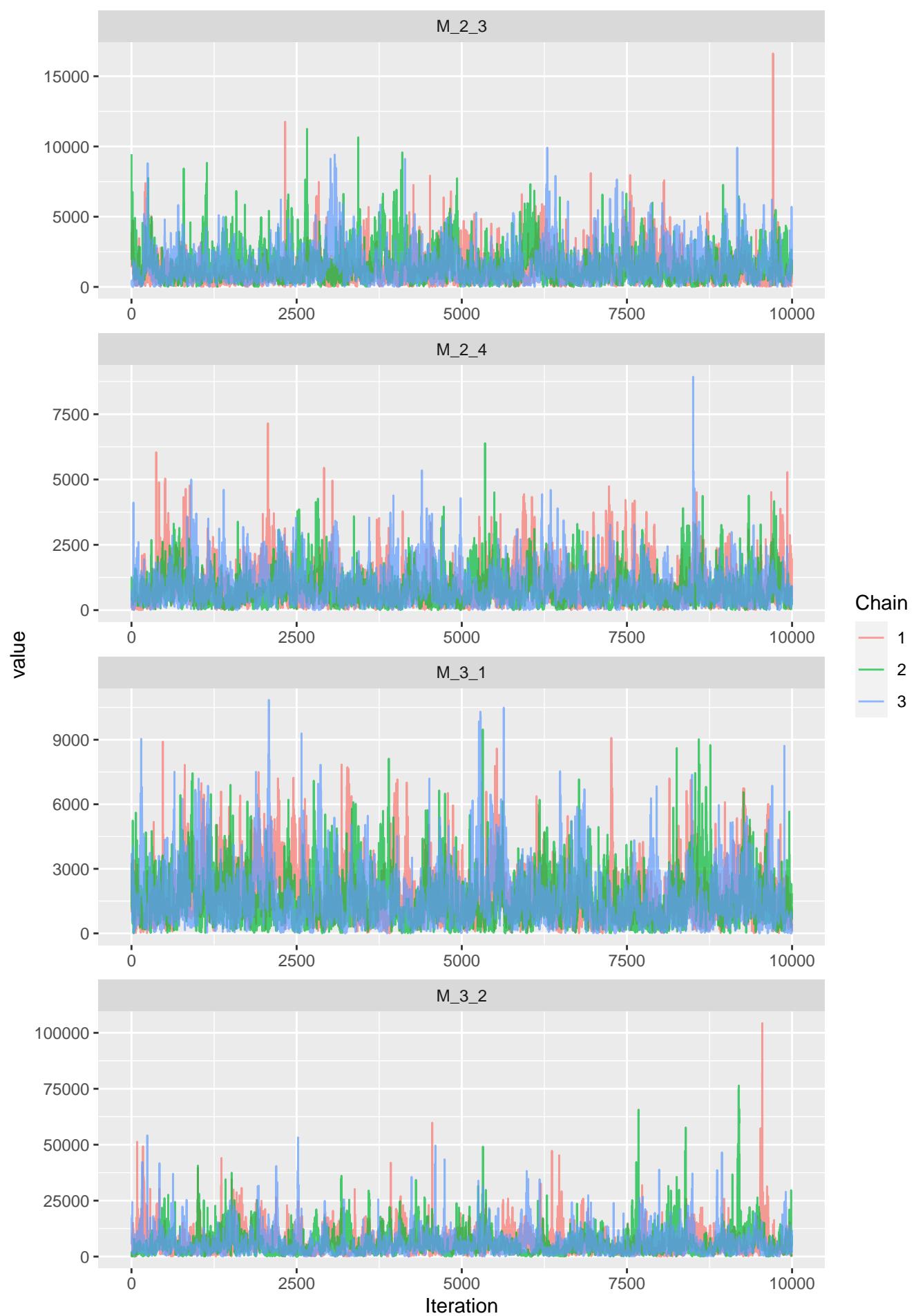
0.0025

value

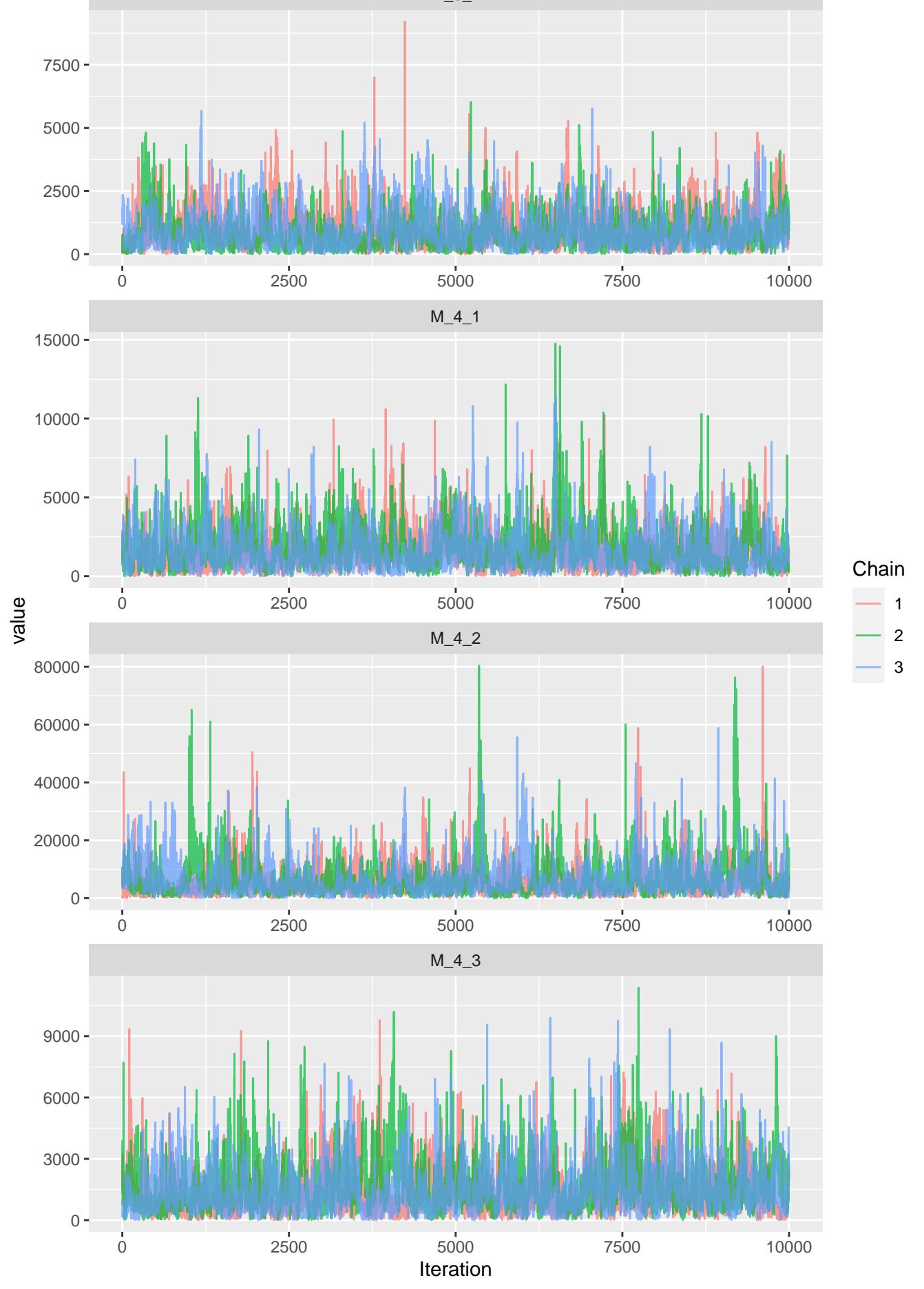
0.0050 0.0075

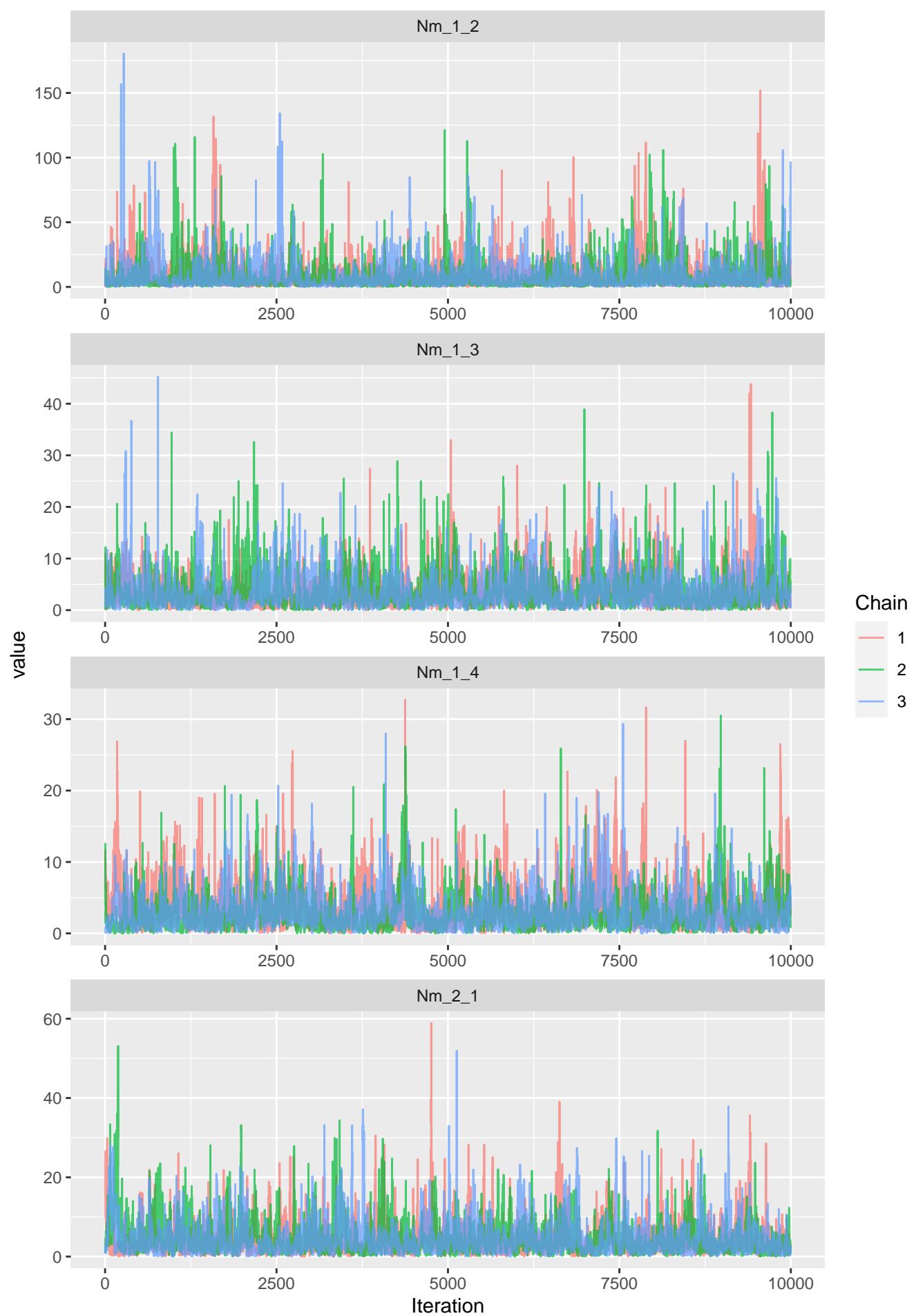
M\_1\_2

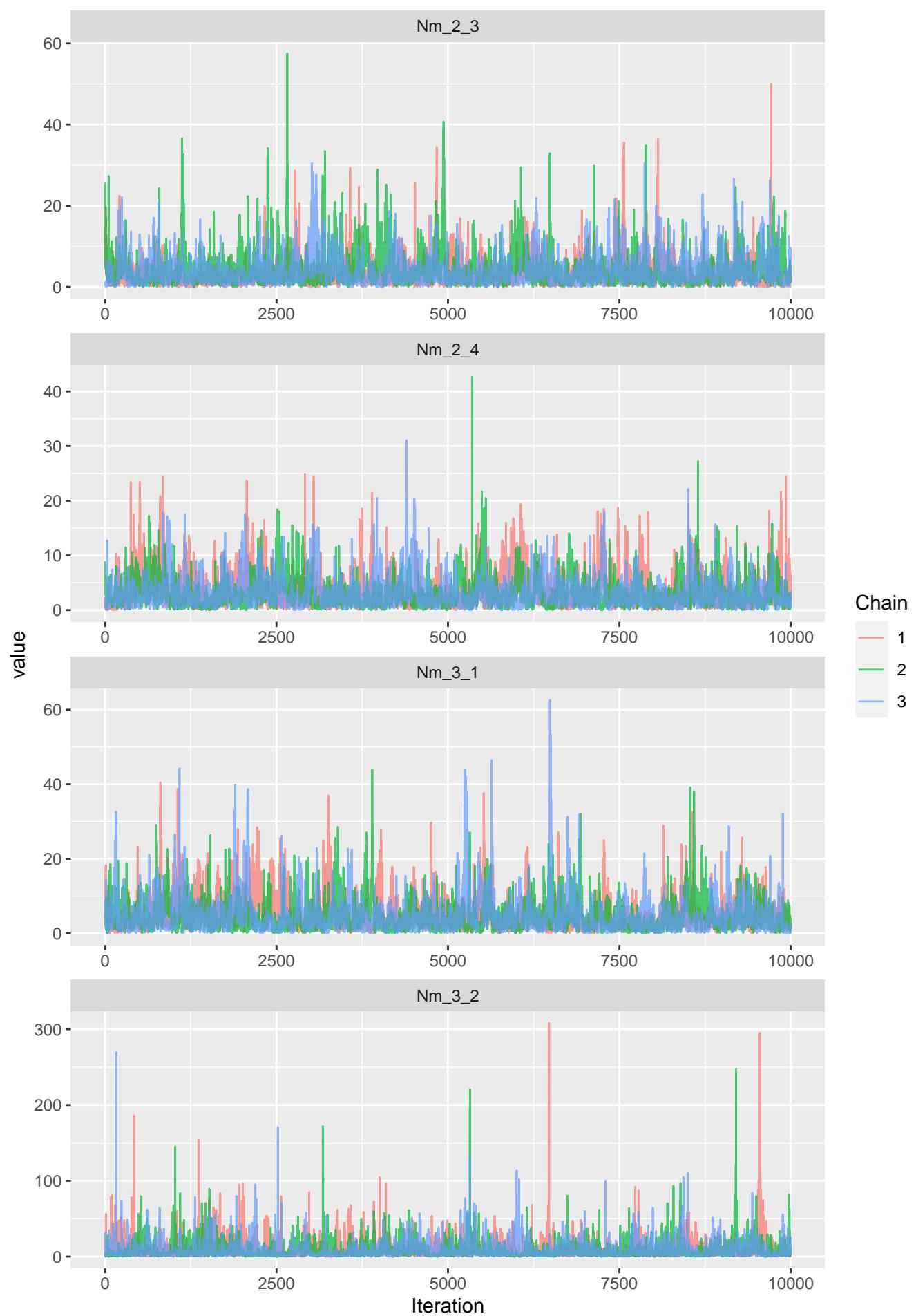




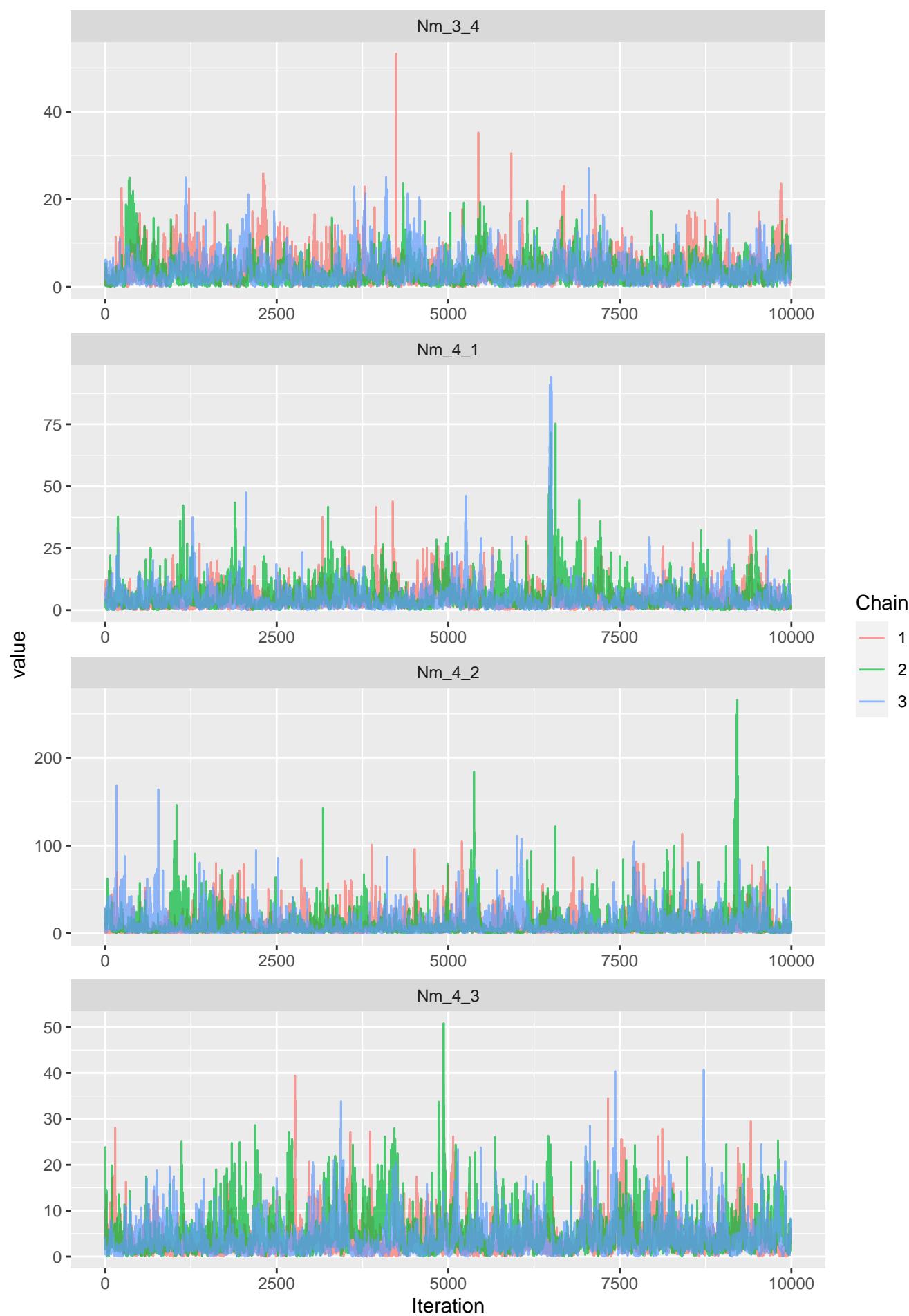
M\_3\_4

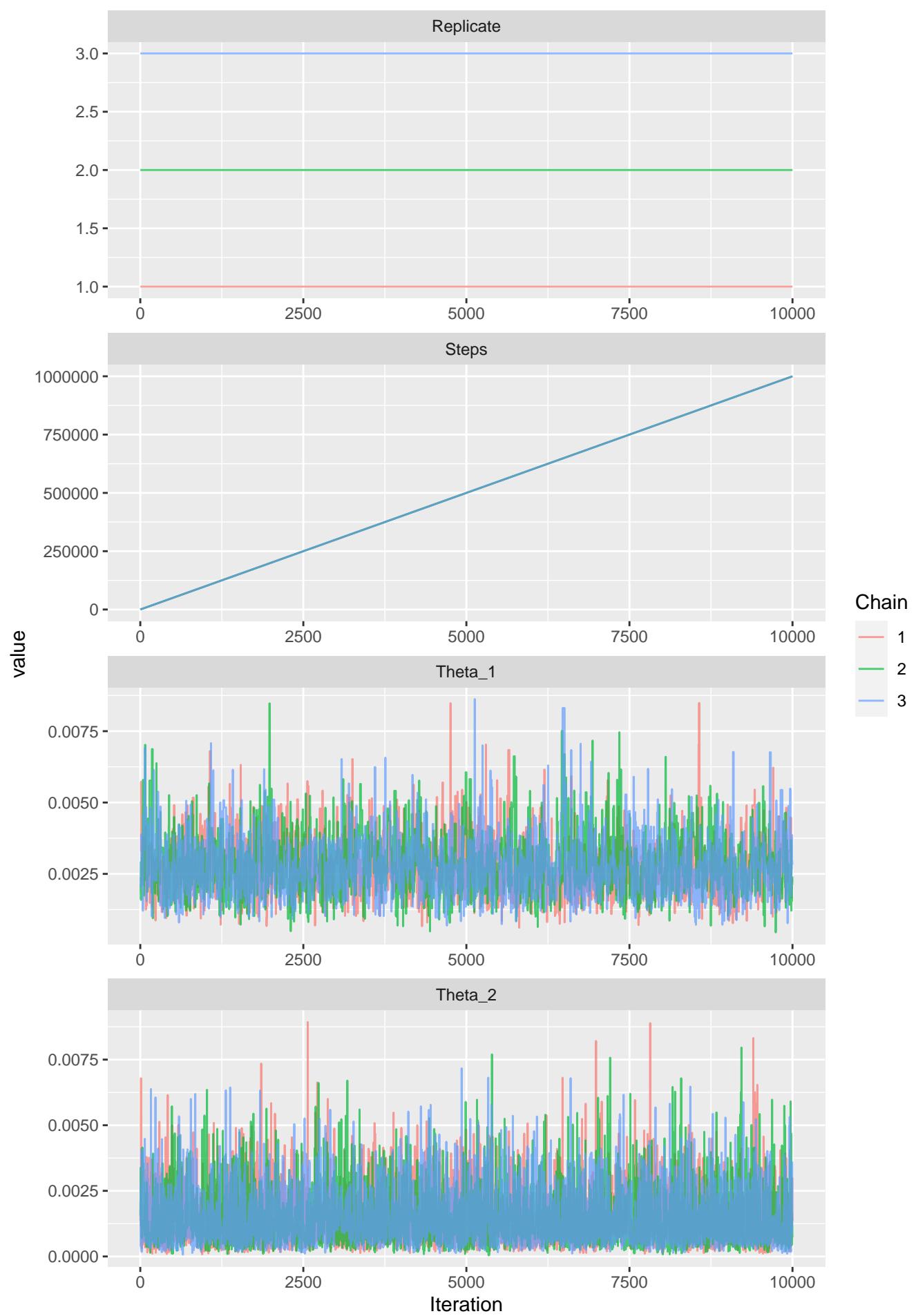






Nm\_3\_4



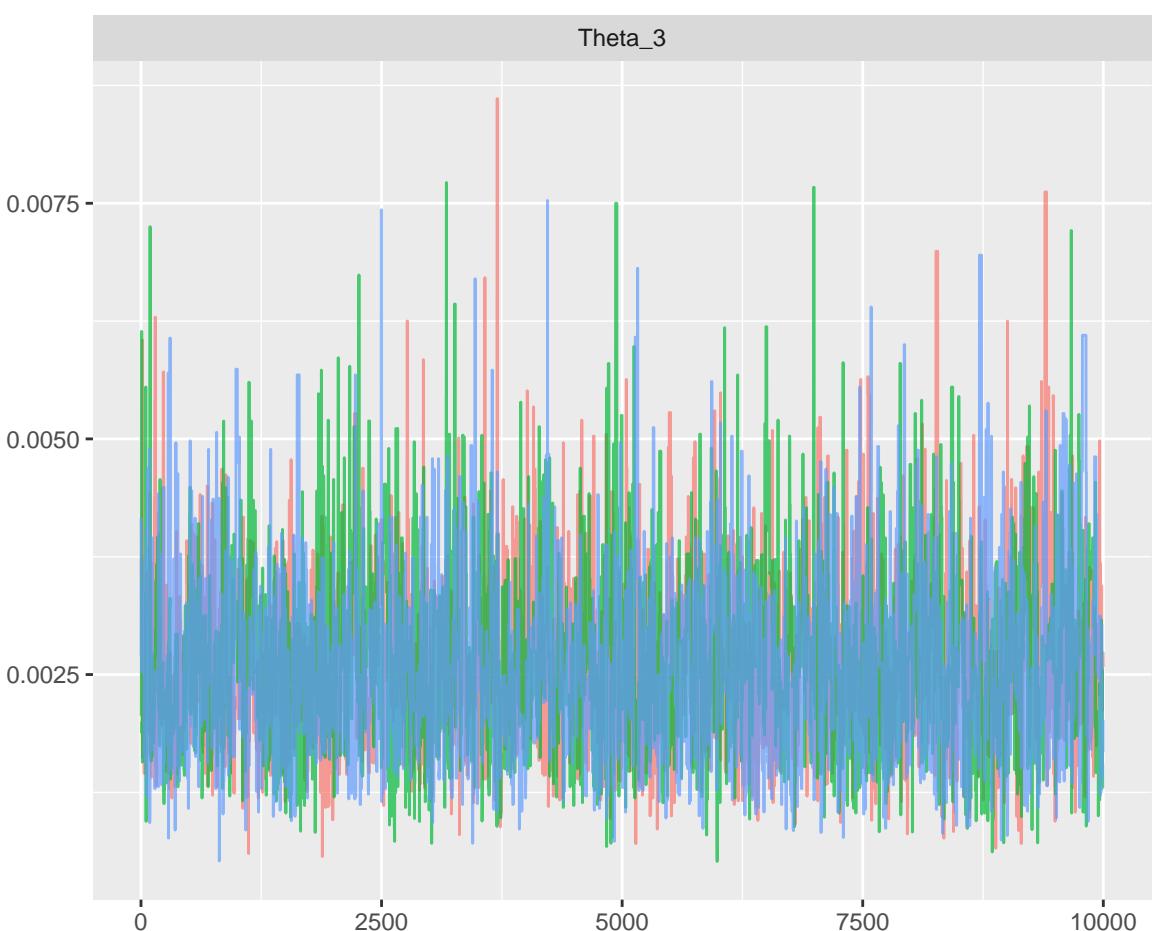


Theta\_3

value

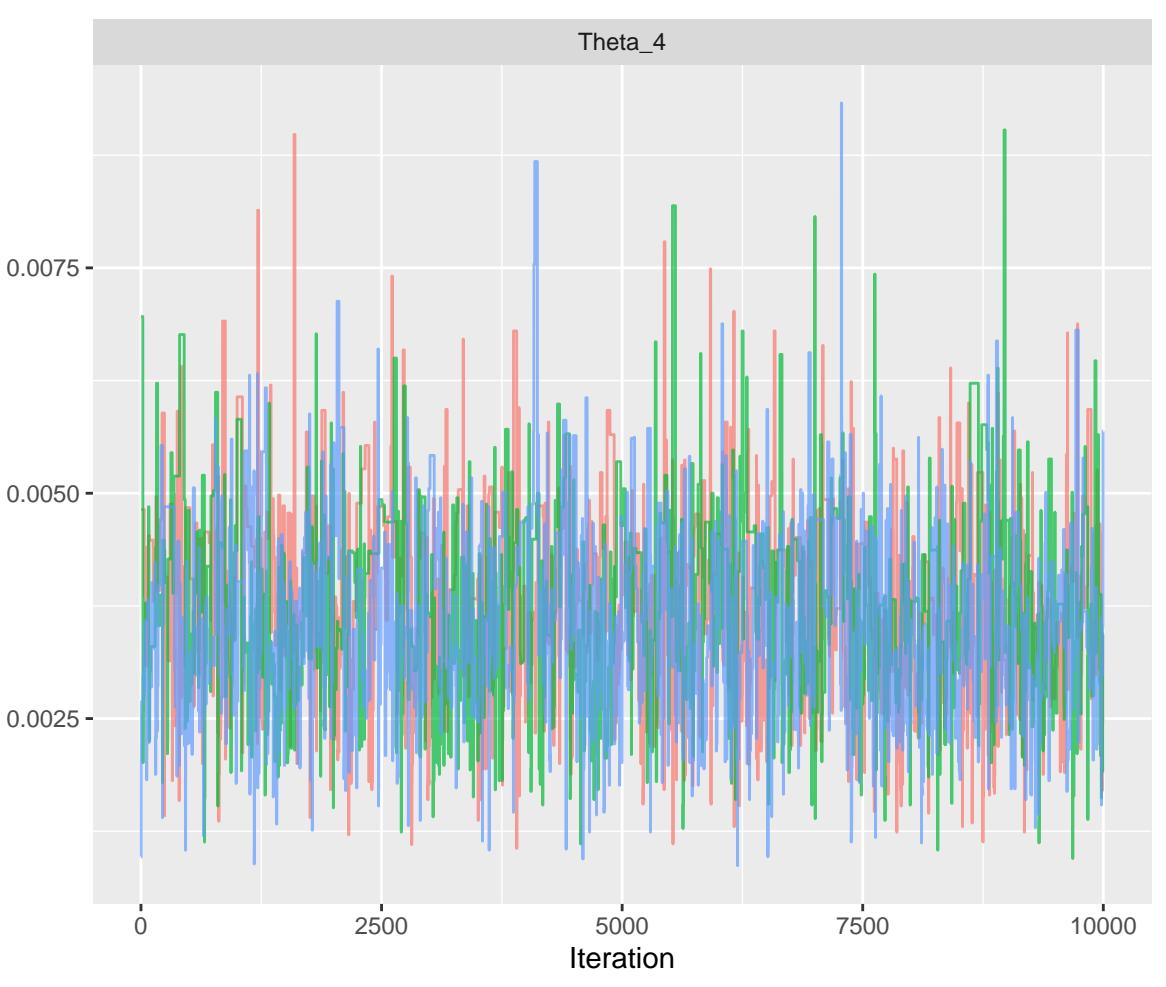
Chain

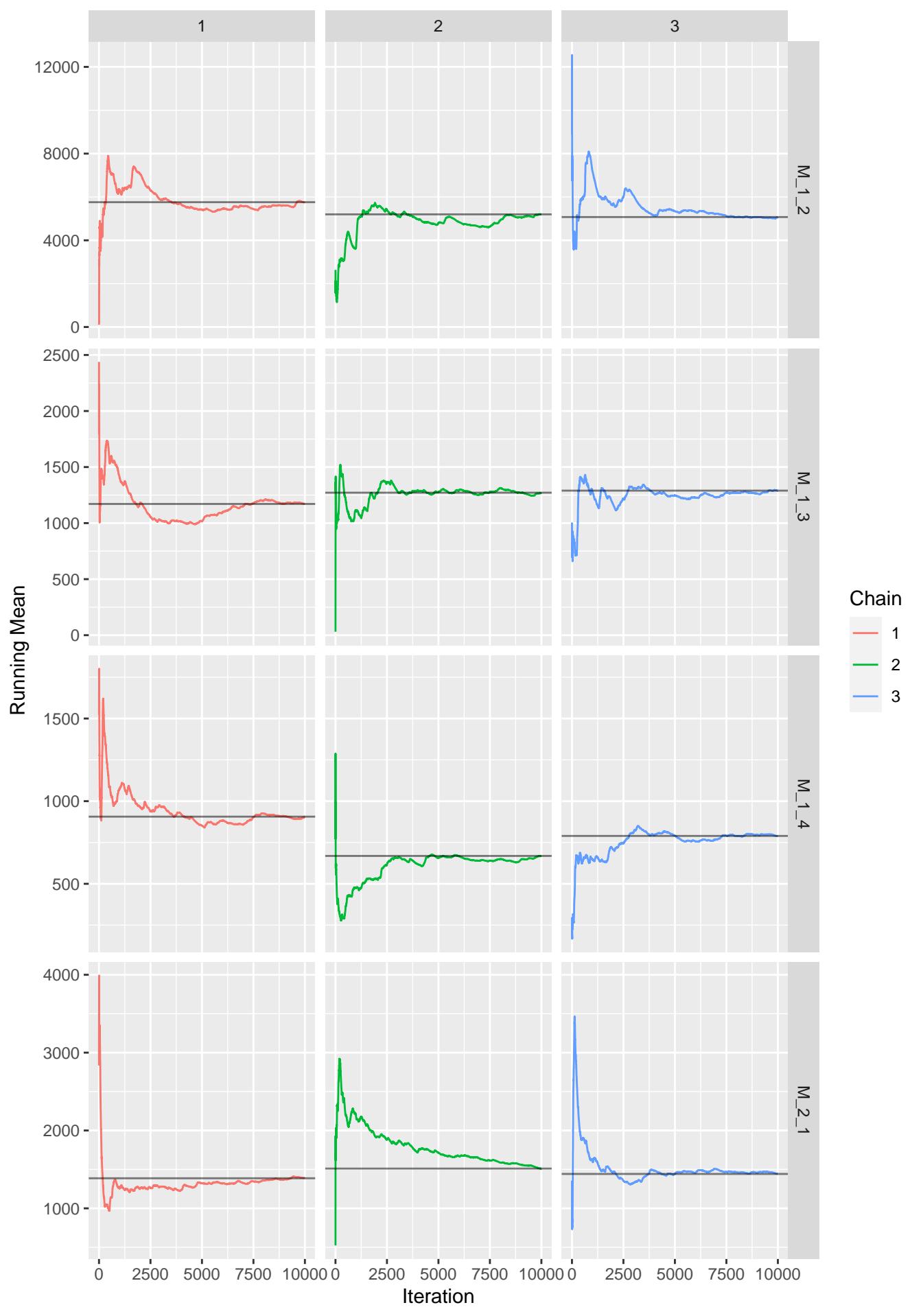
- 1
- 2
- 3

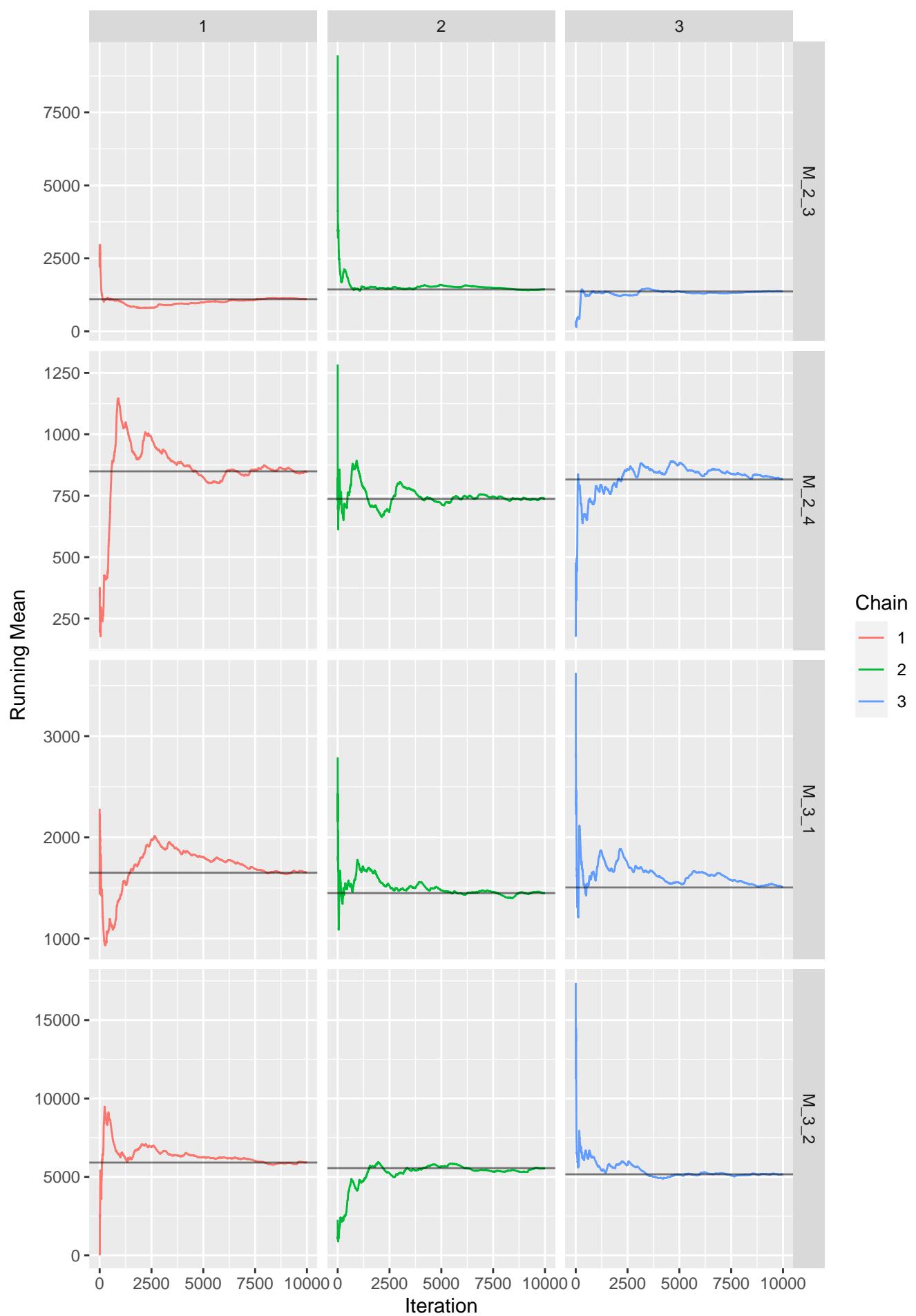


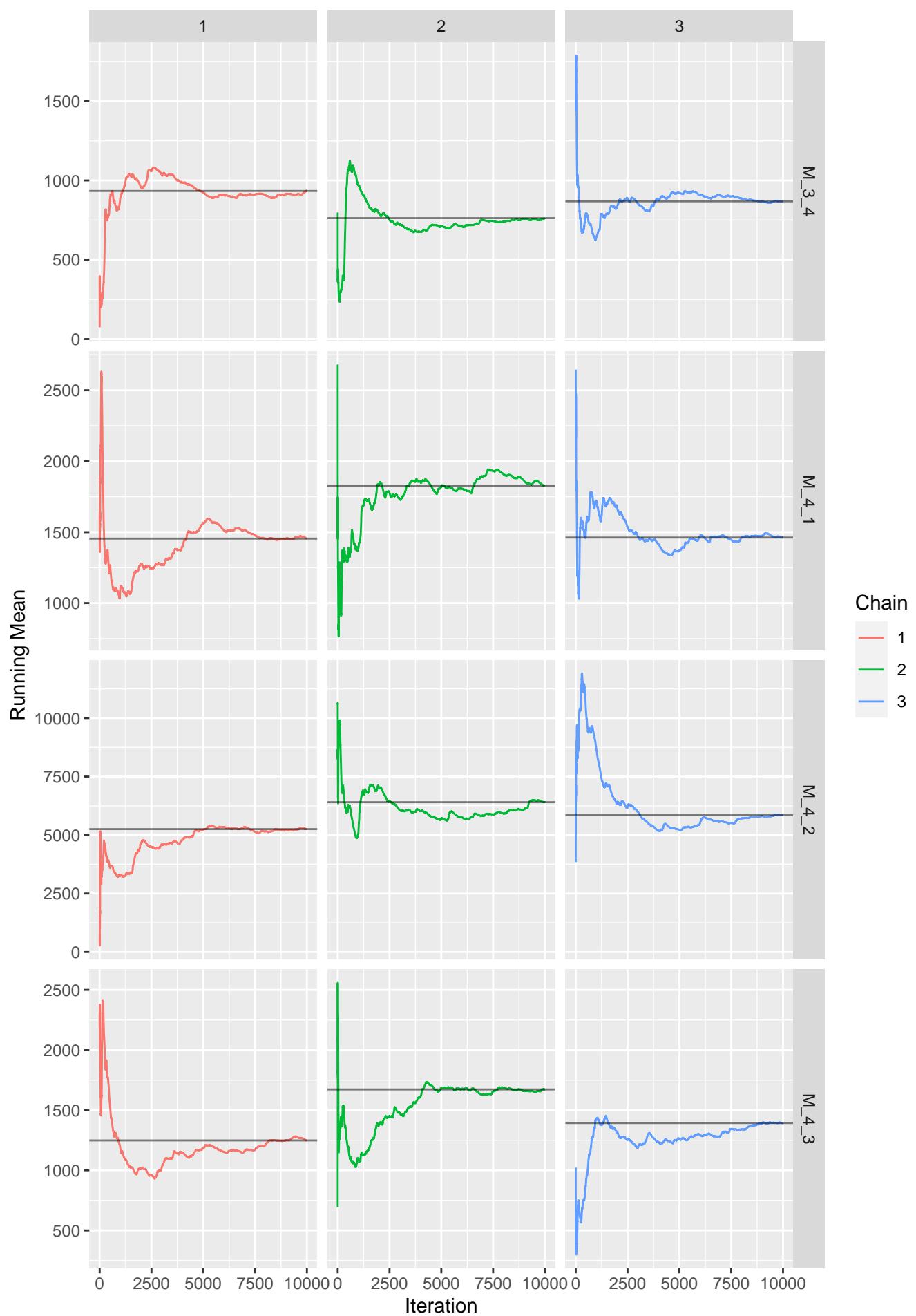
Theta\_4

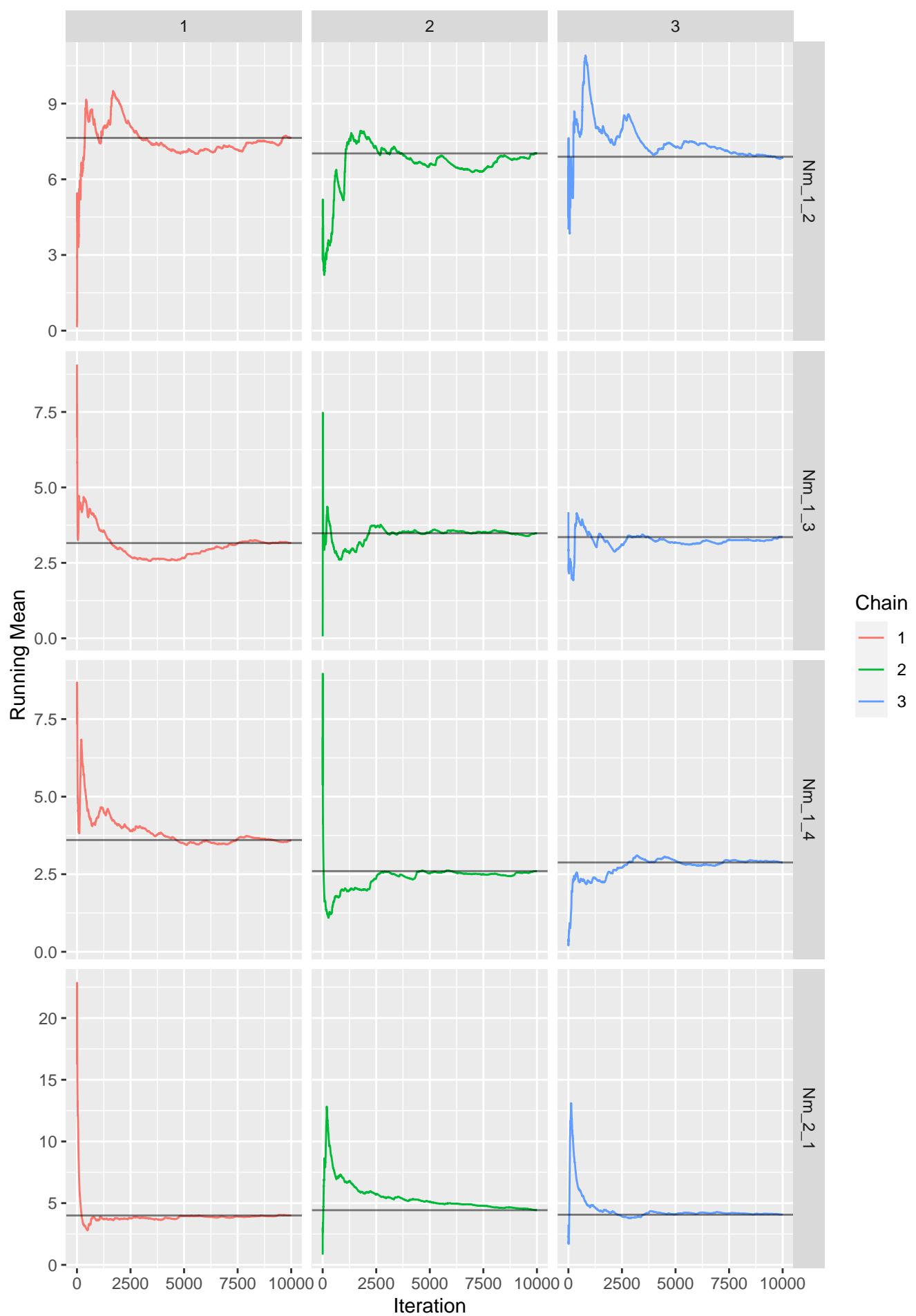
Iteration

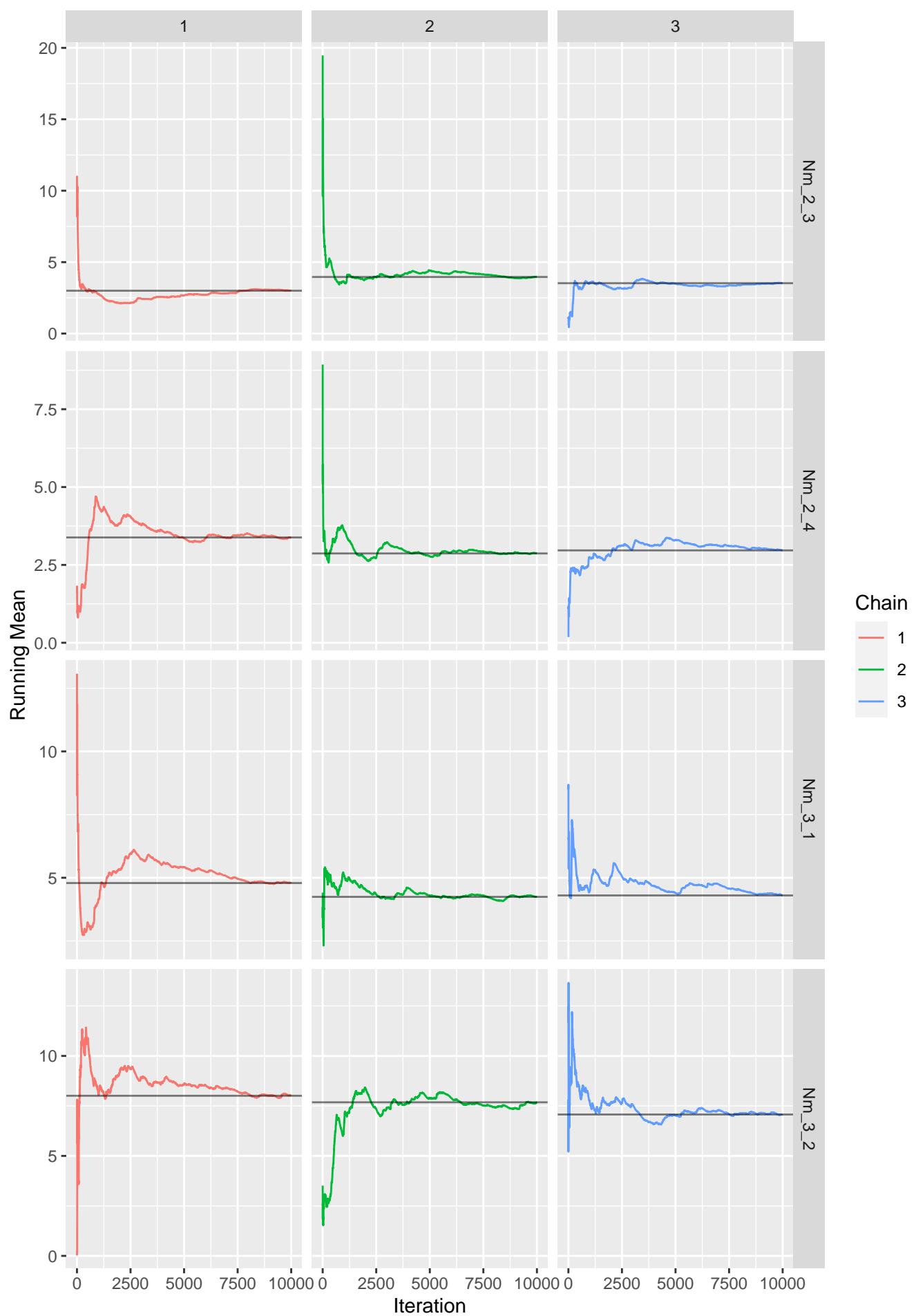


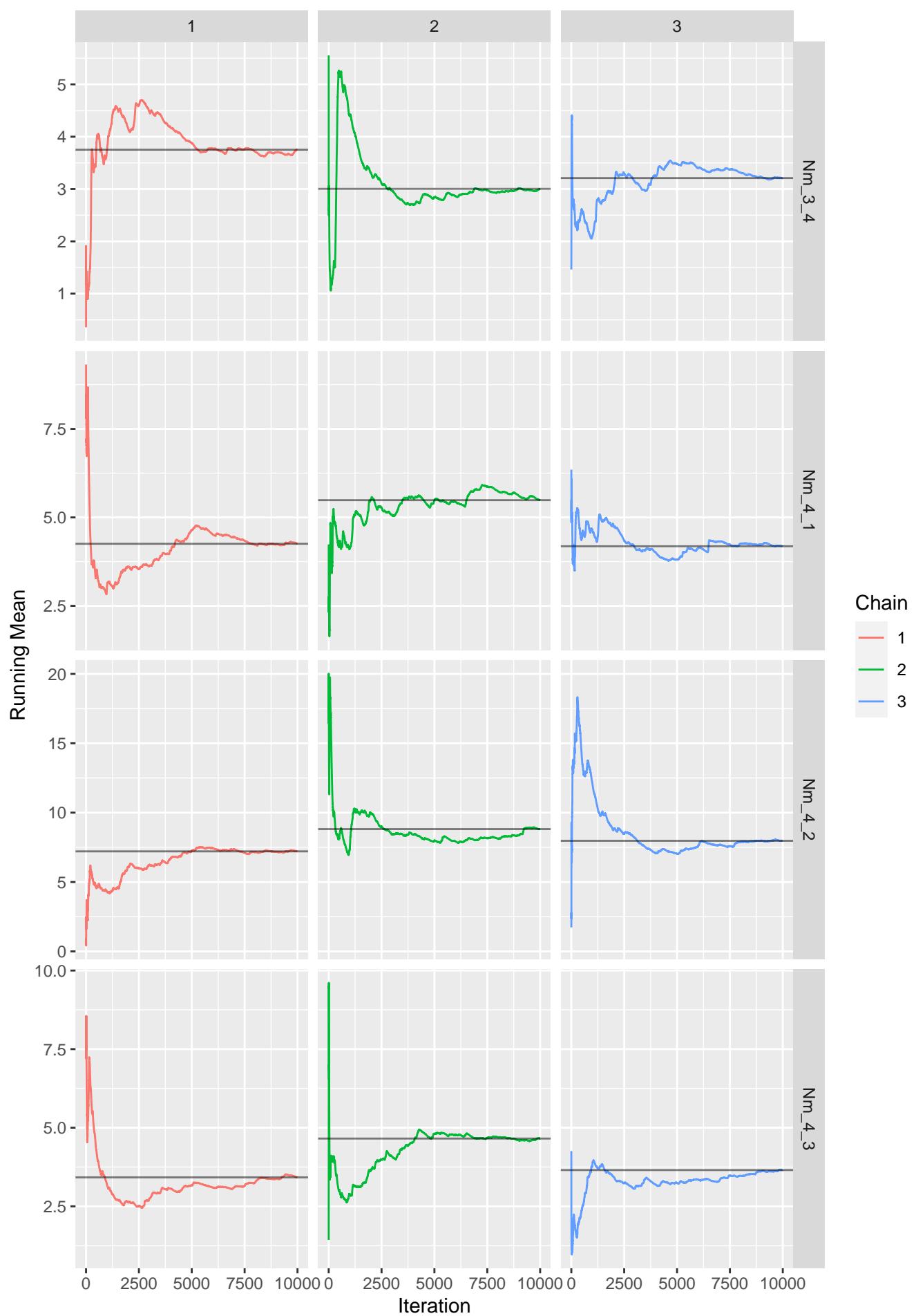


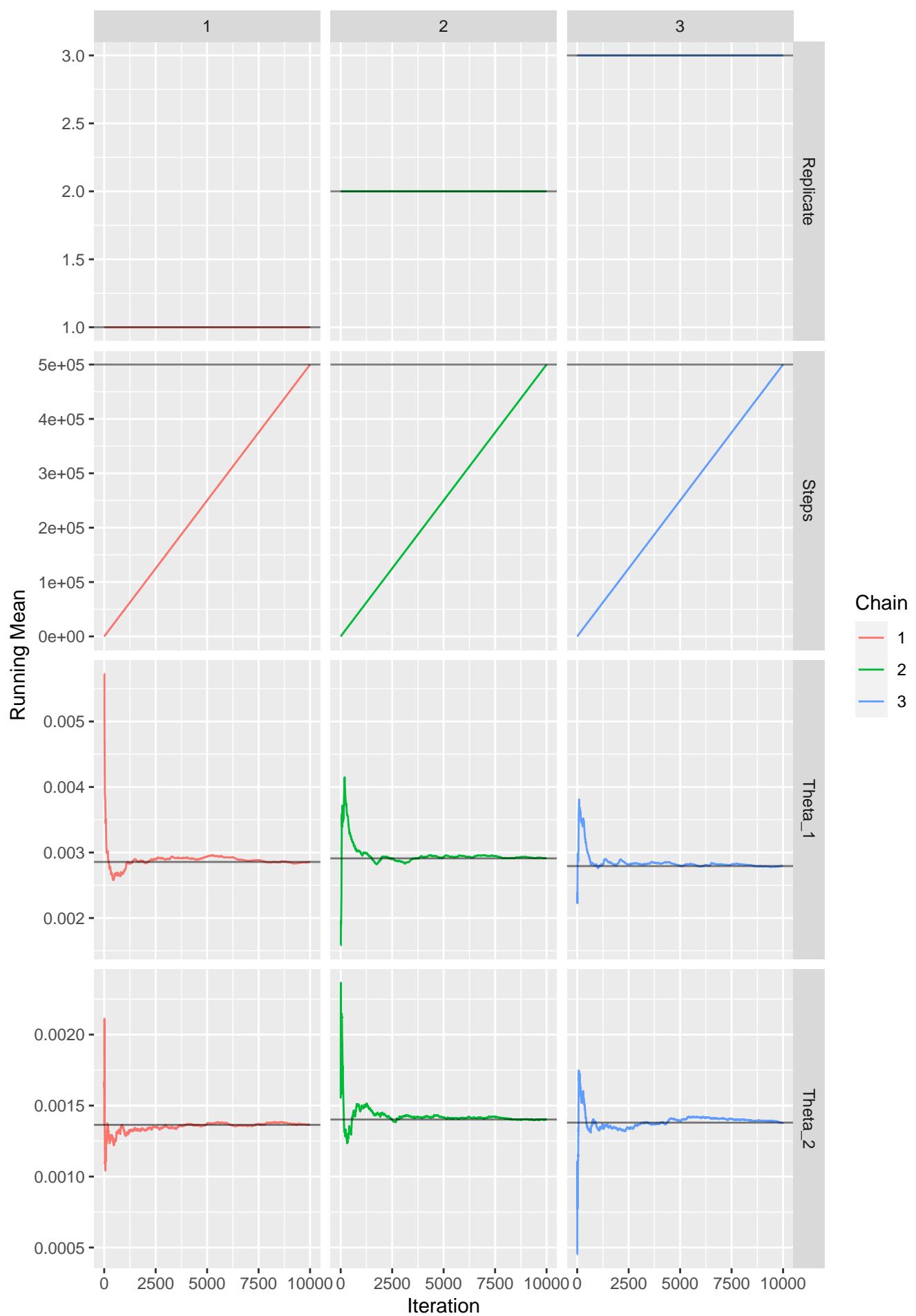


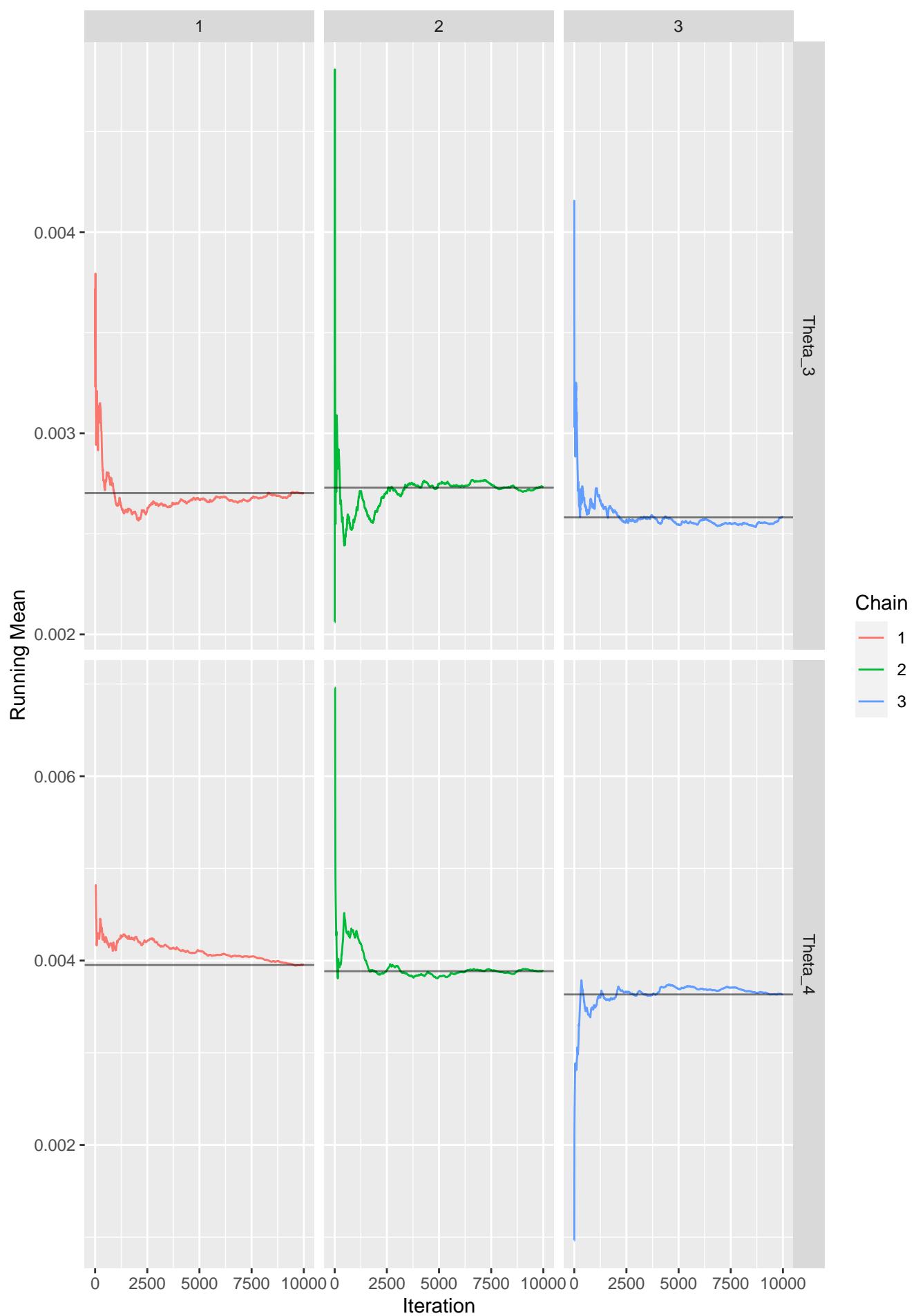


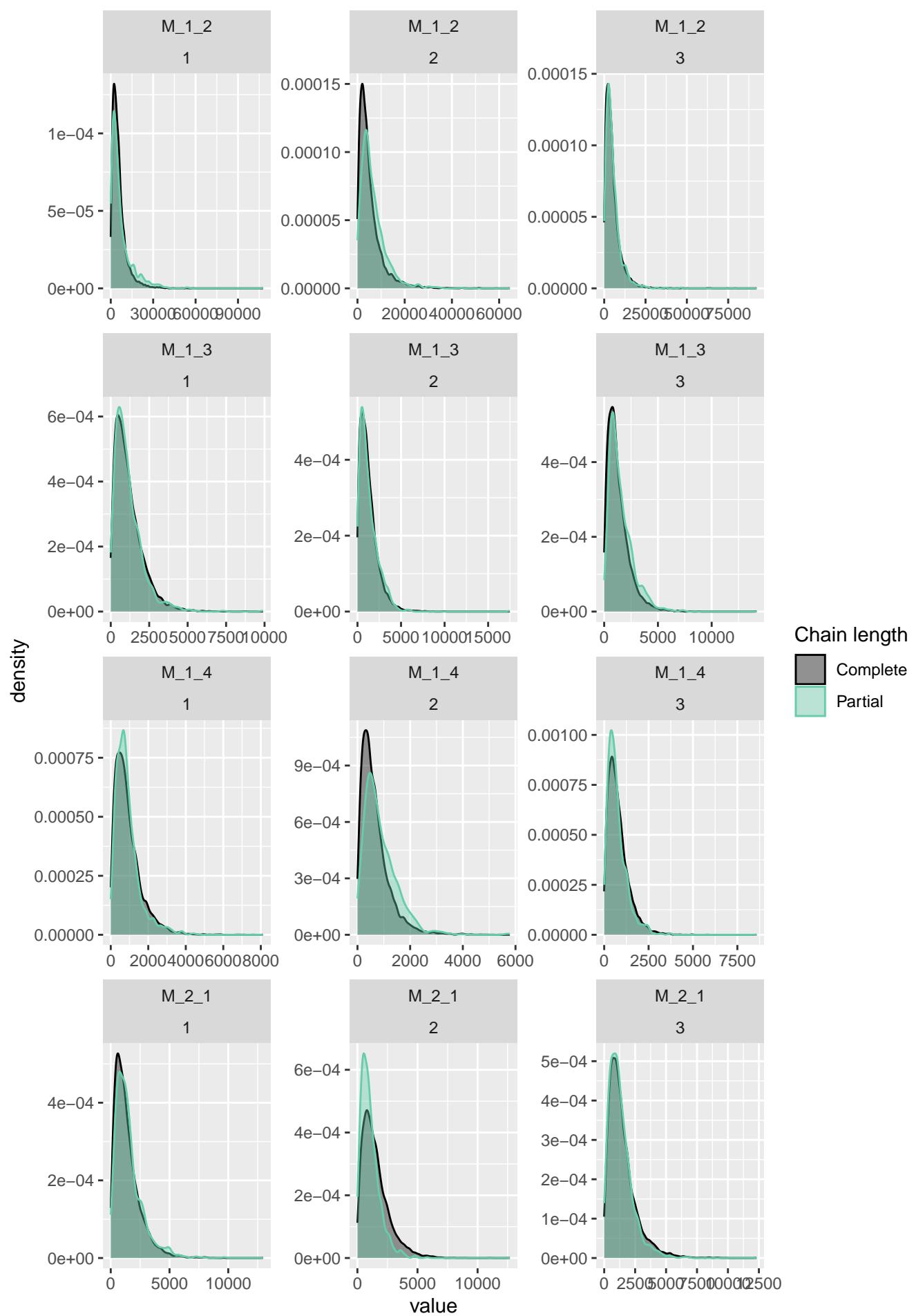


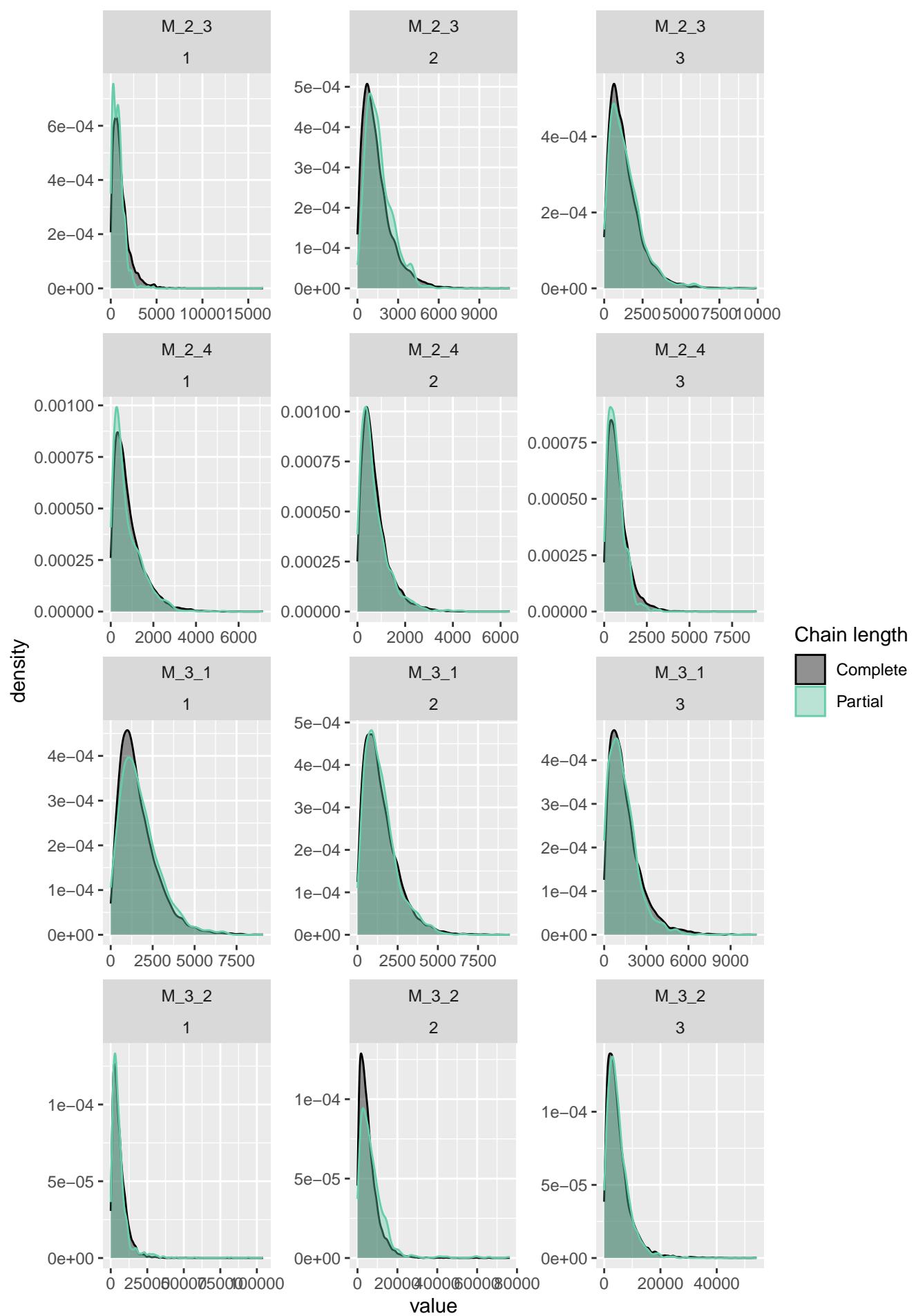


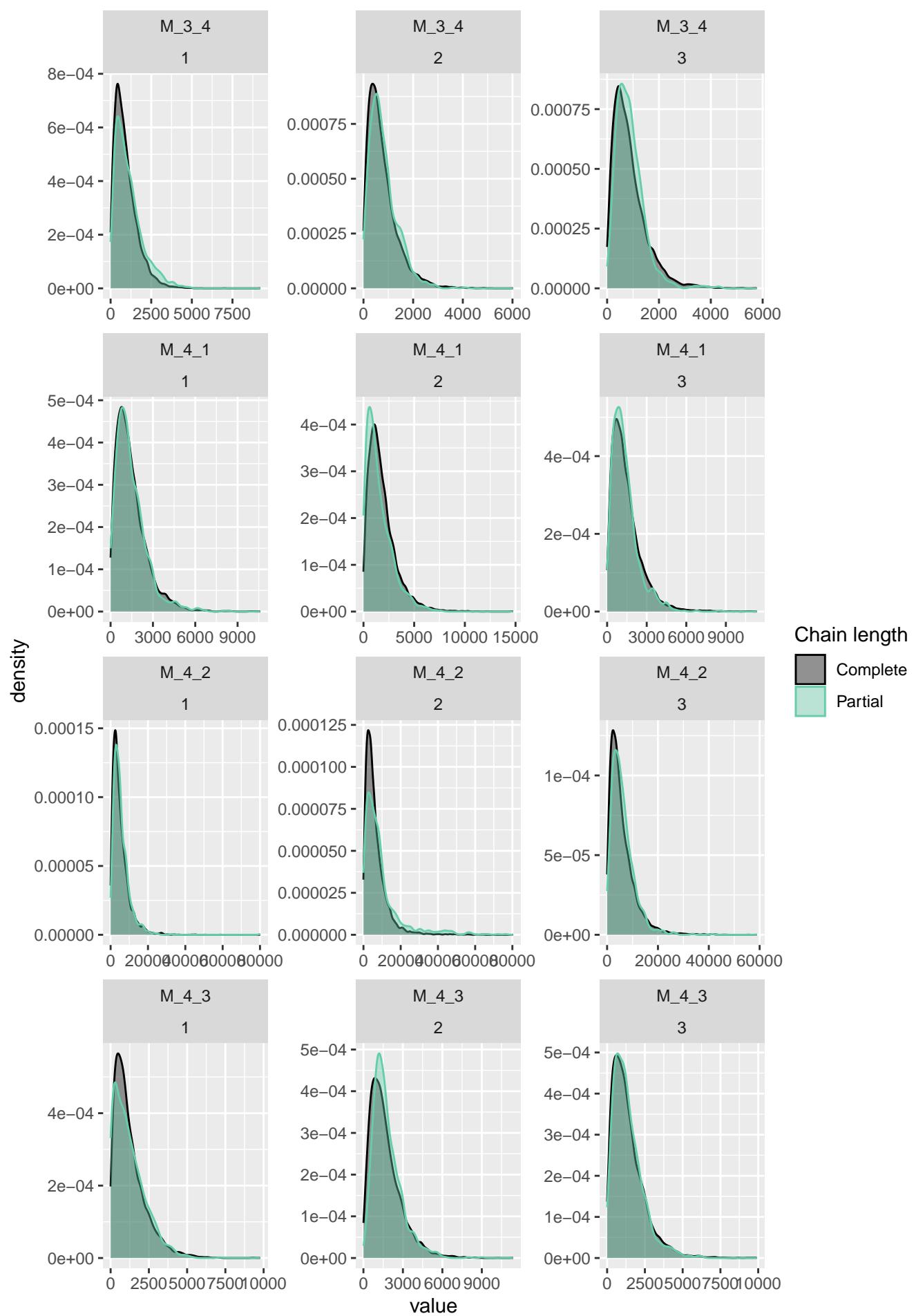


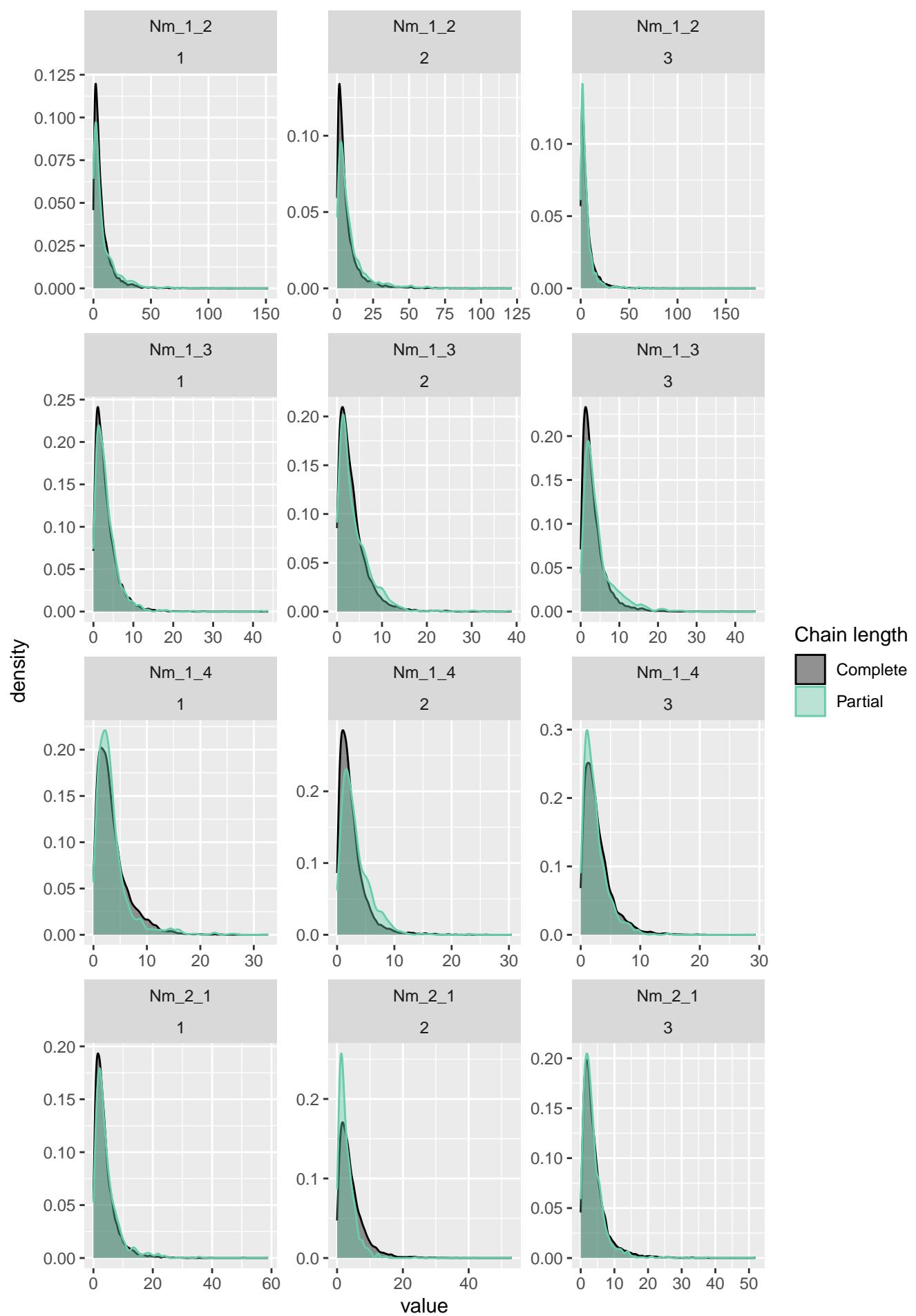


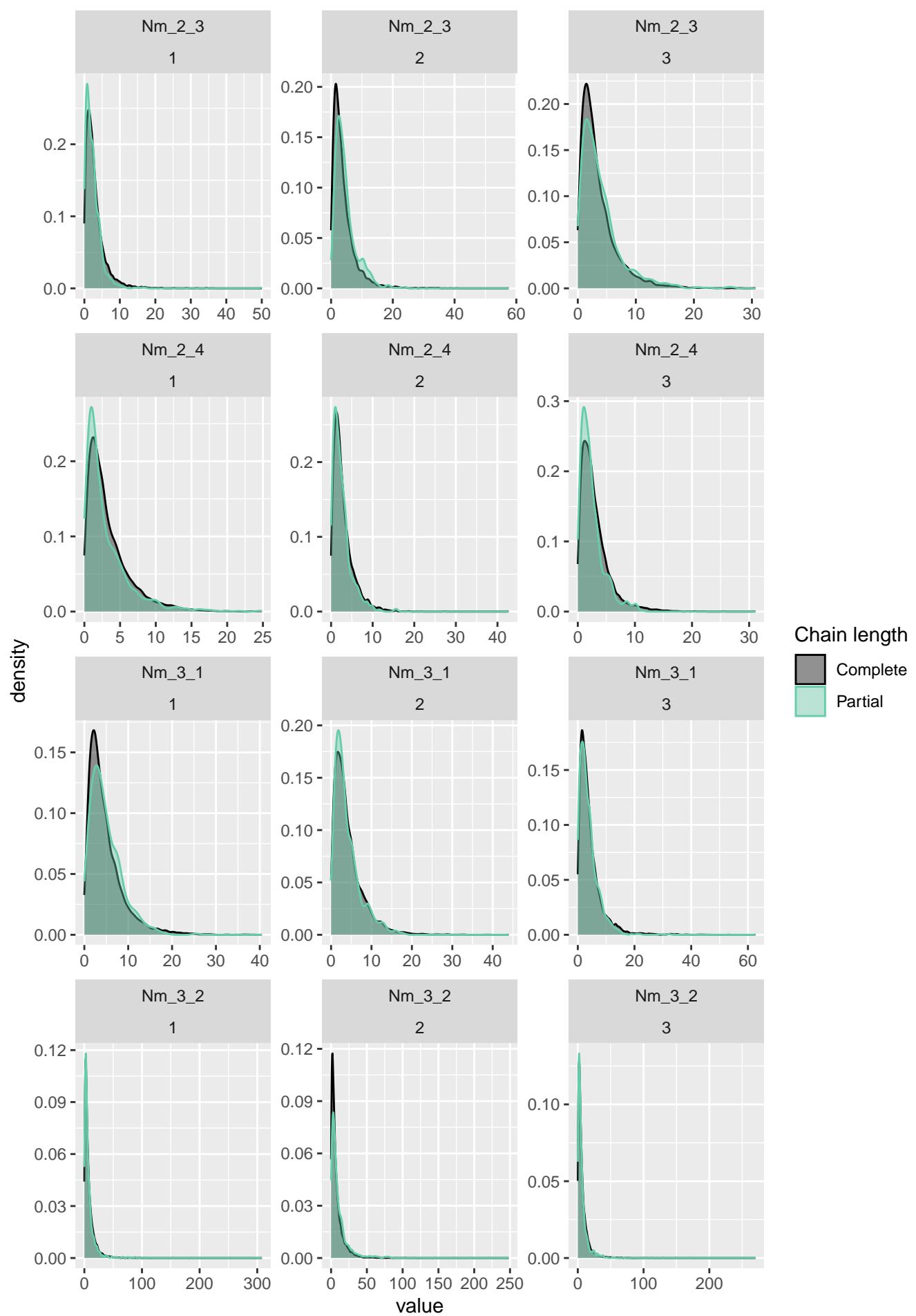


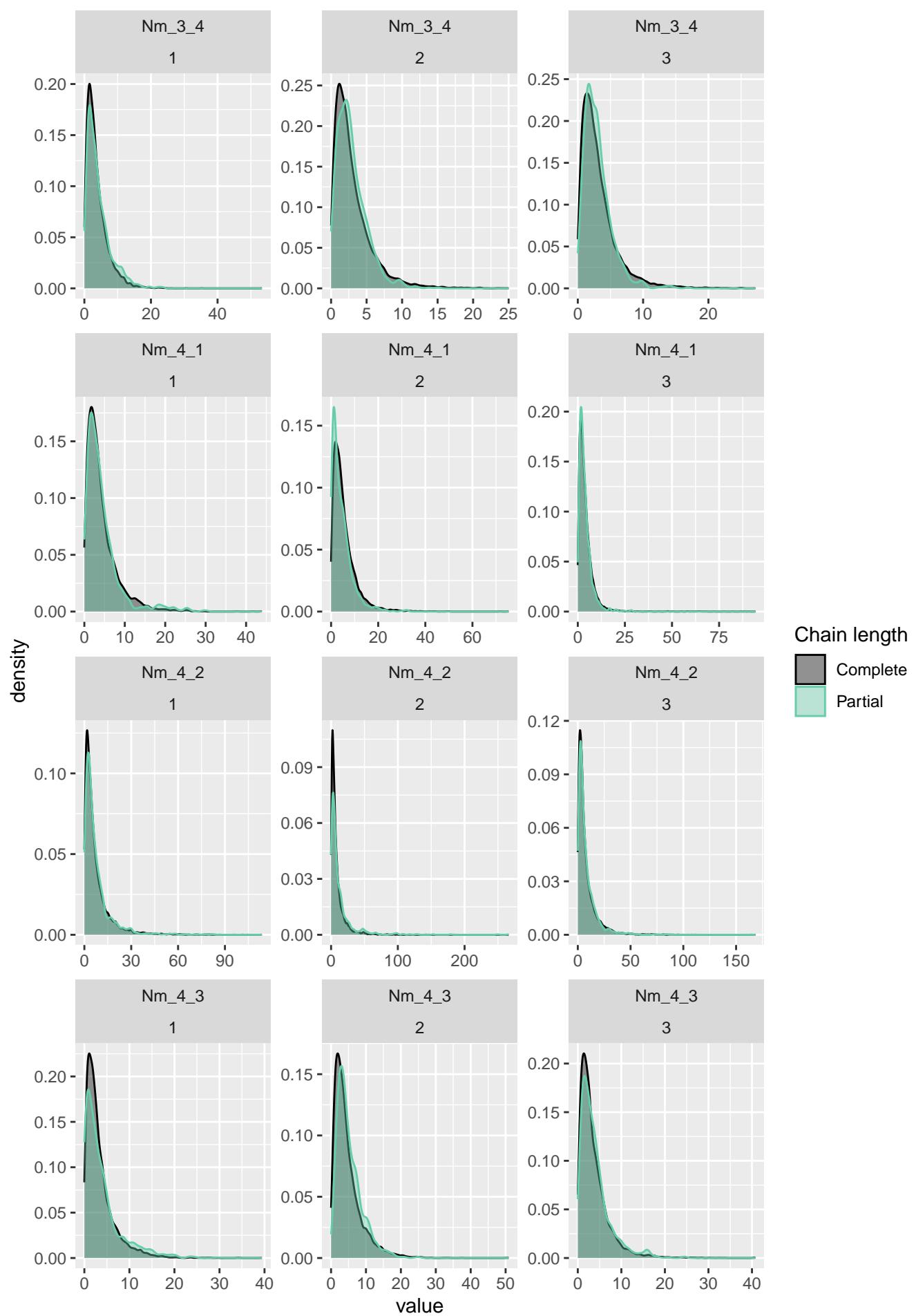


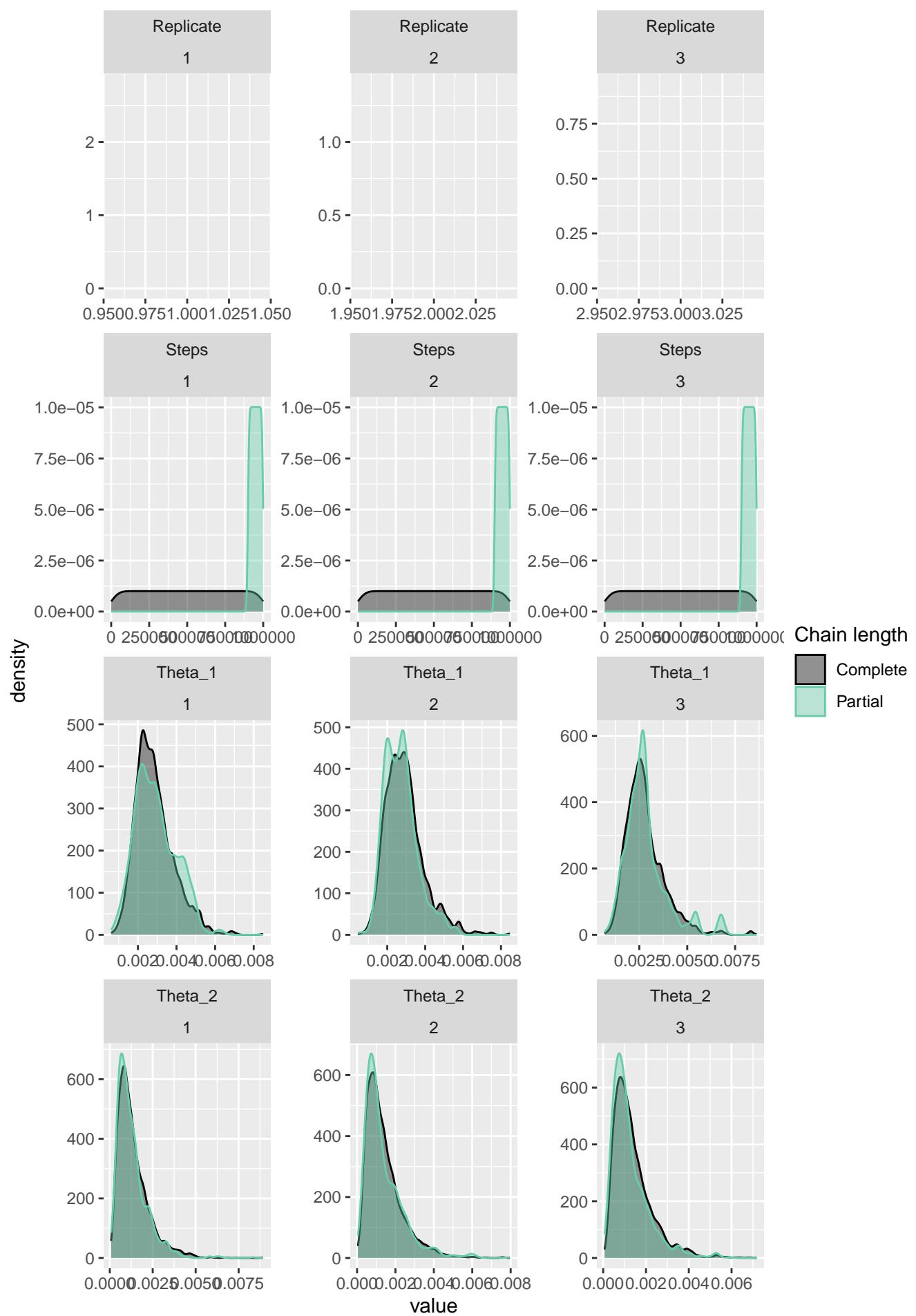


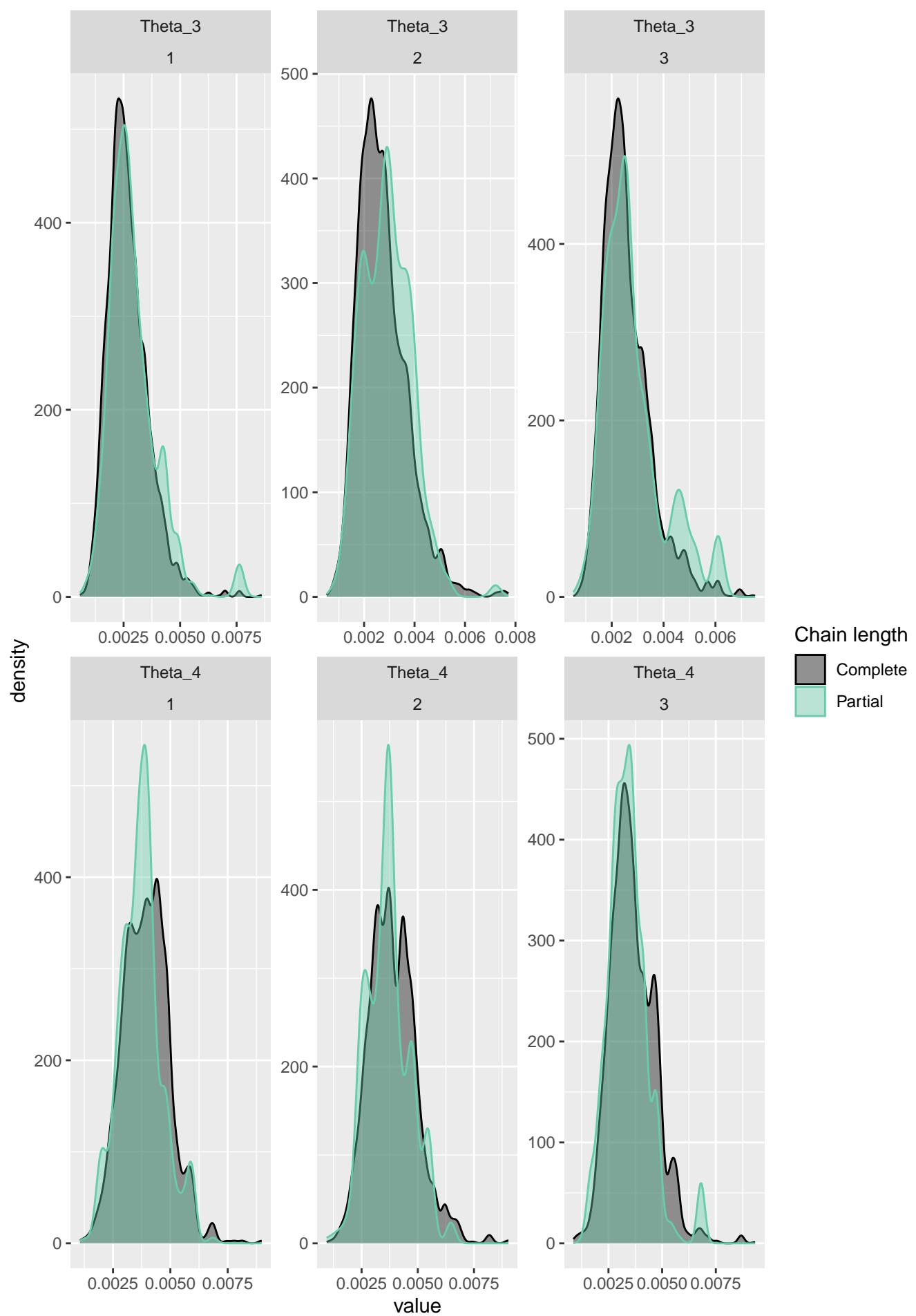


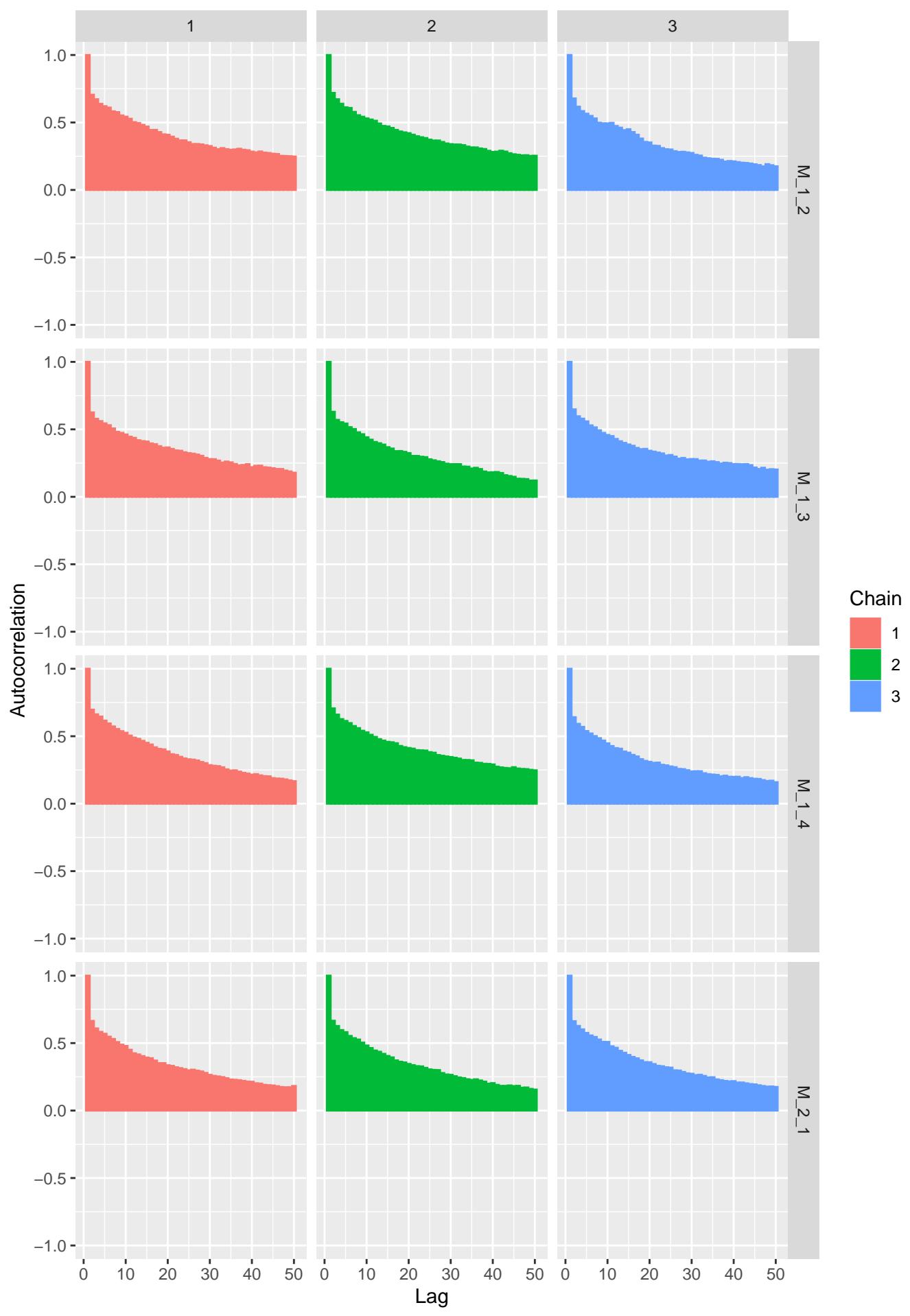


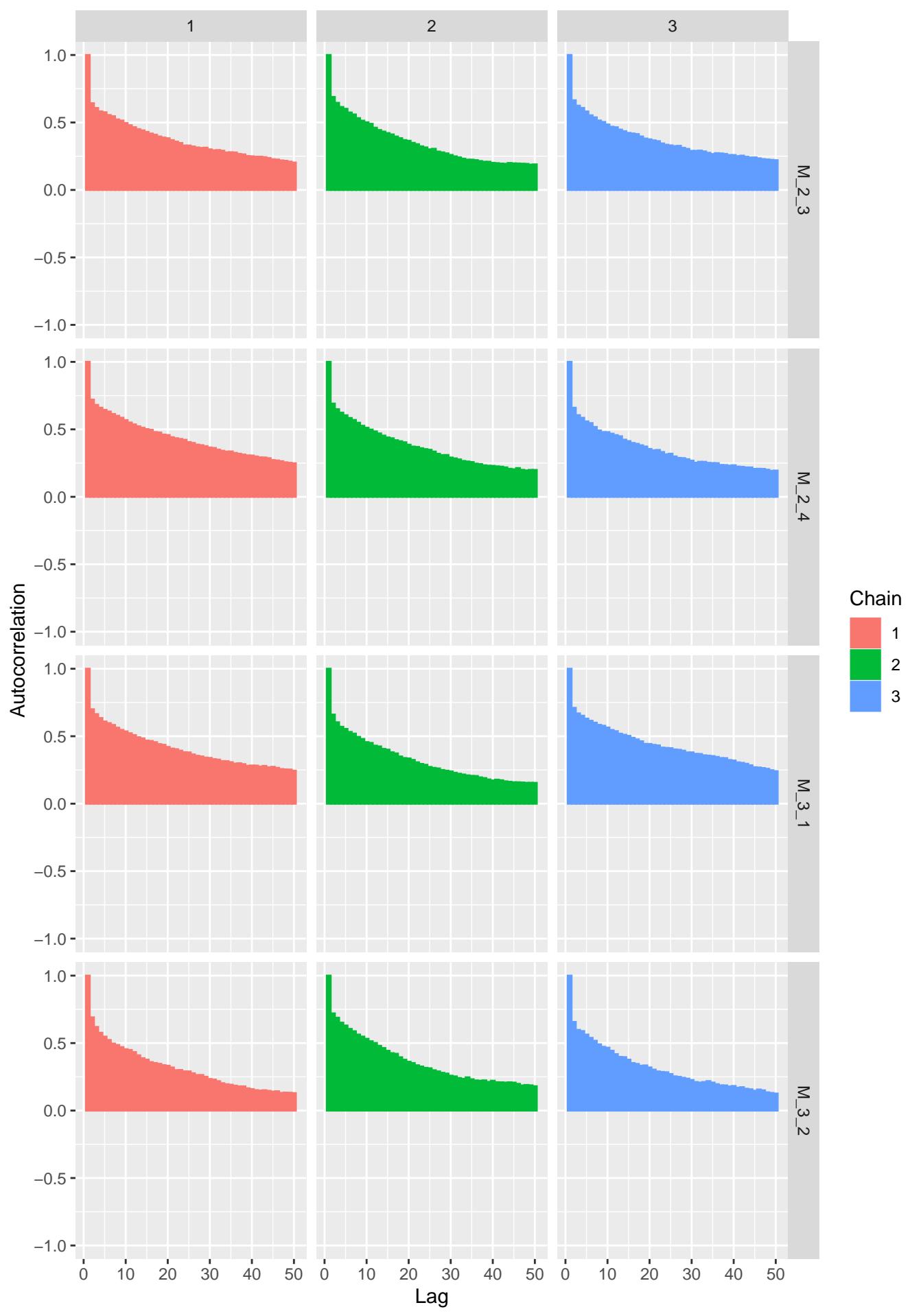


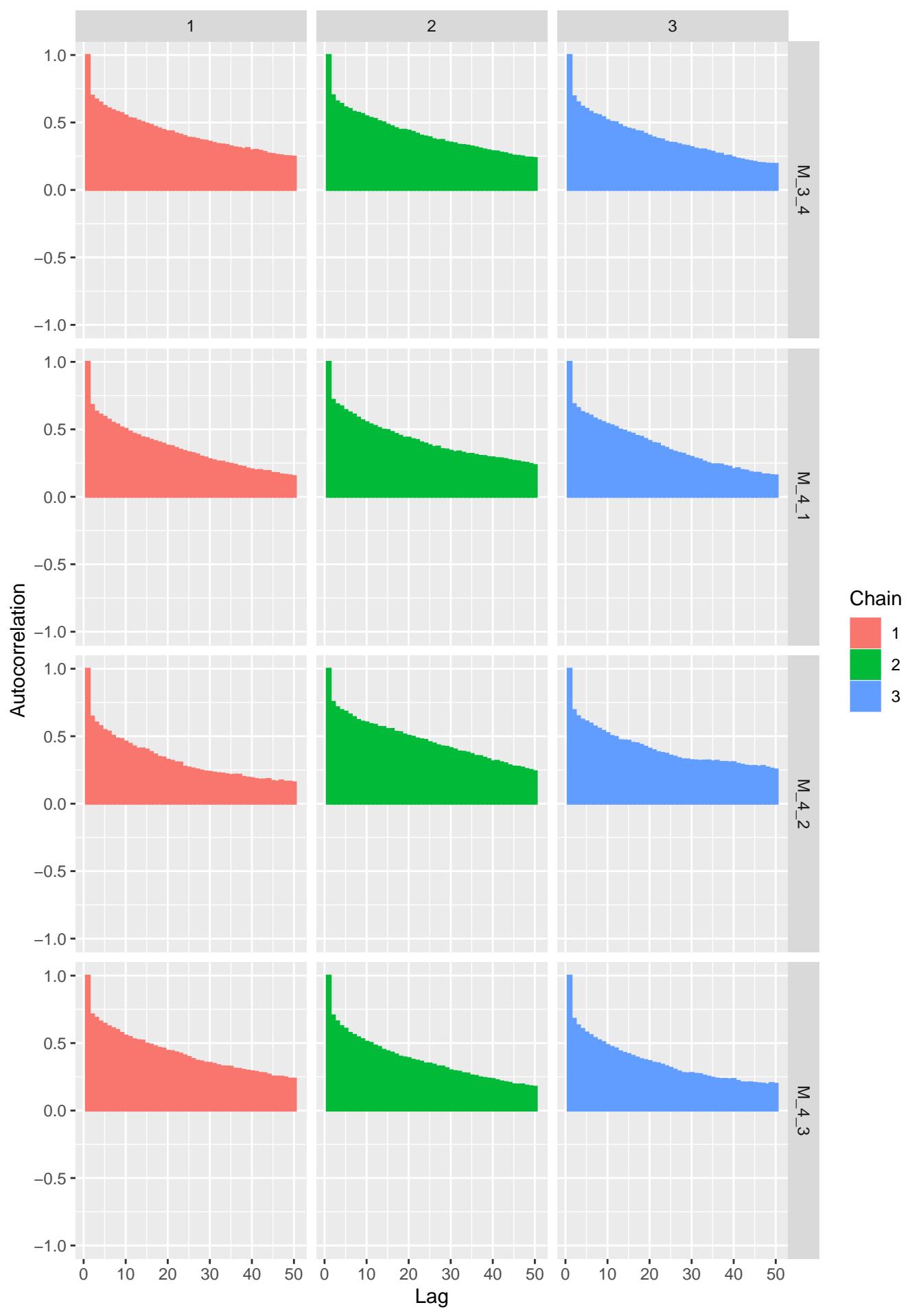


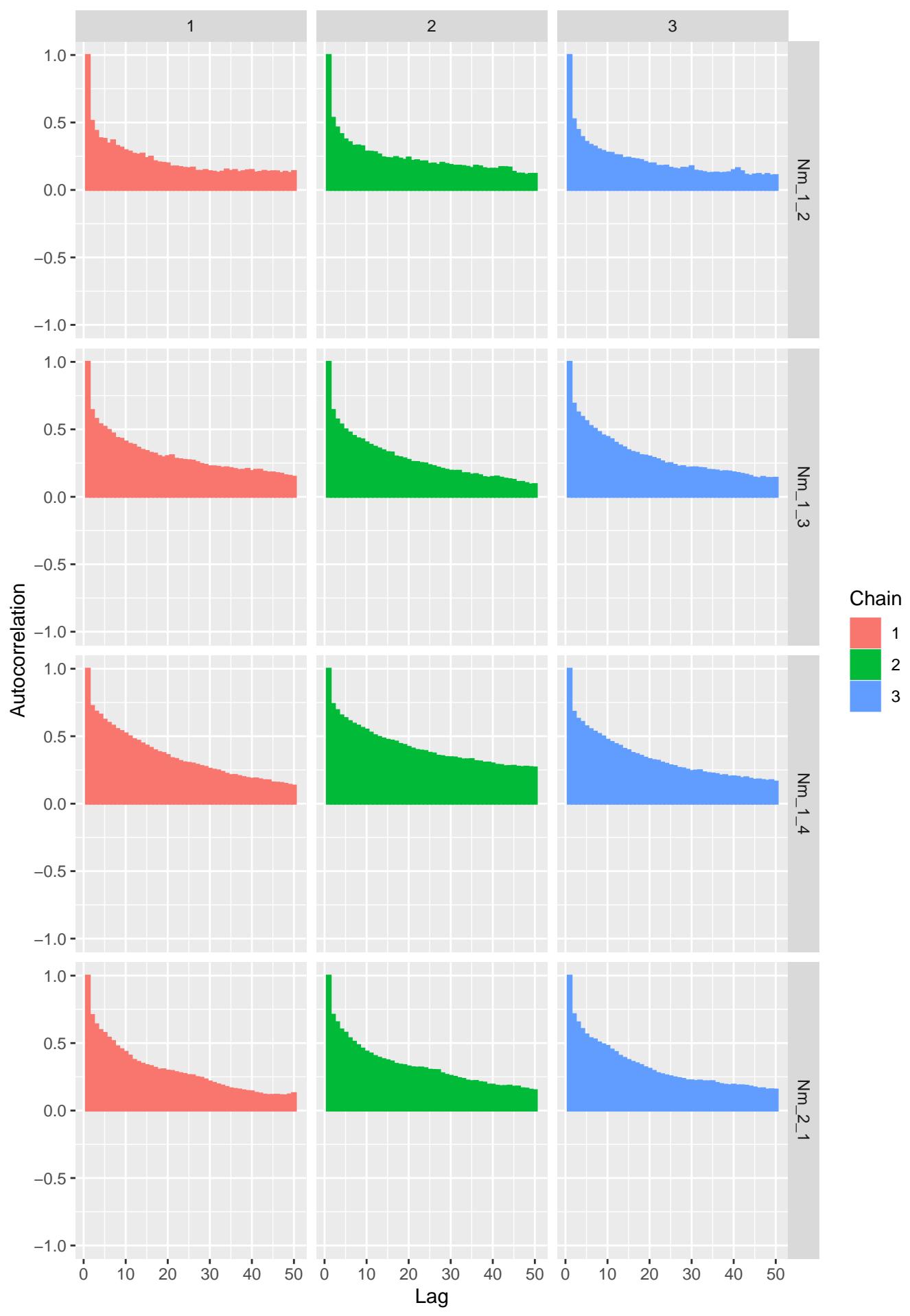


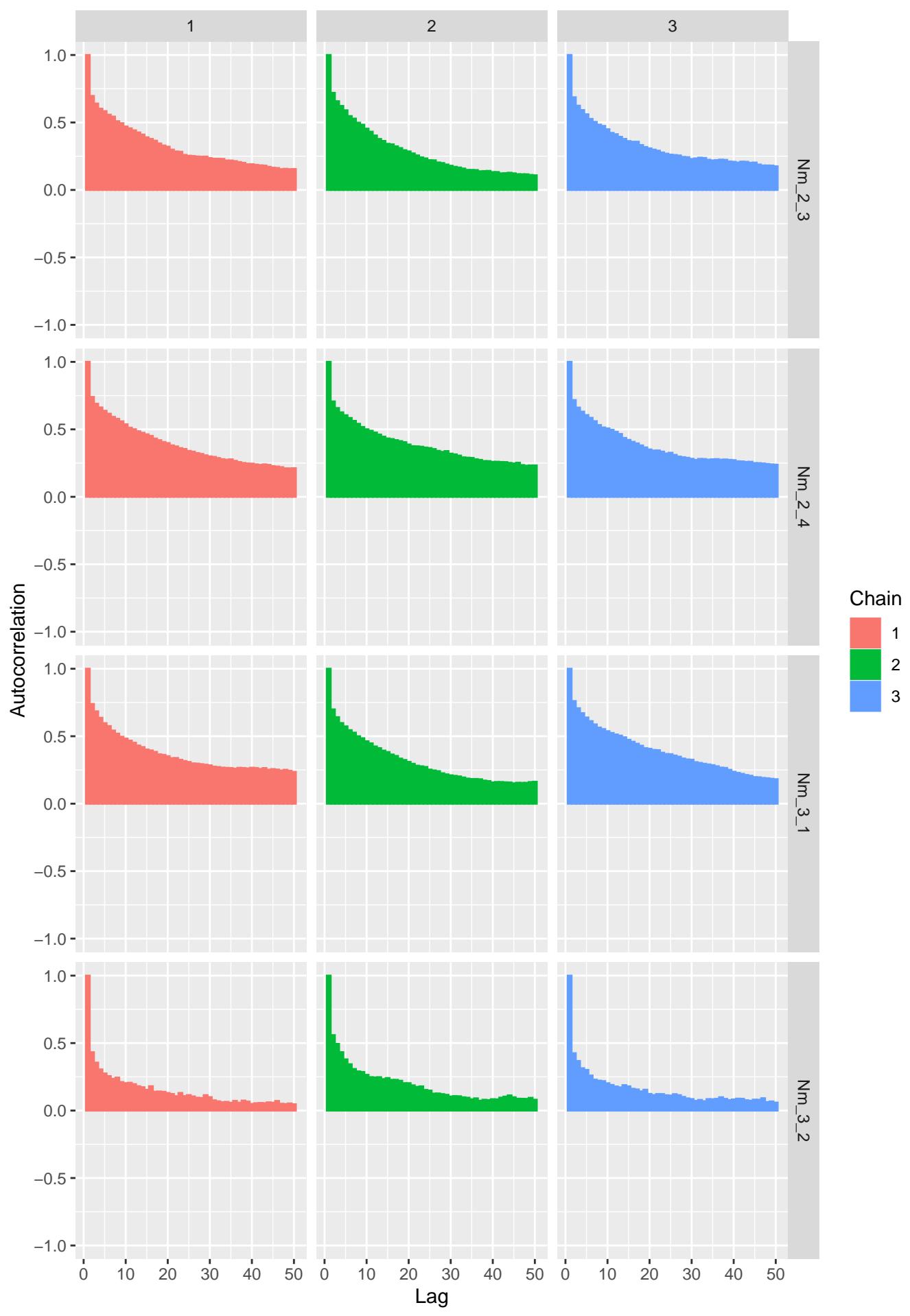


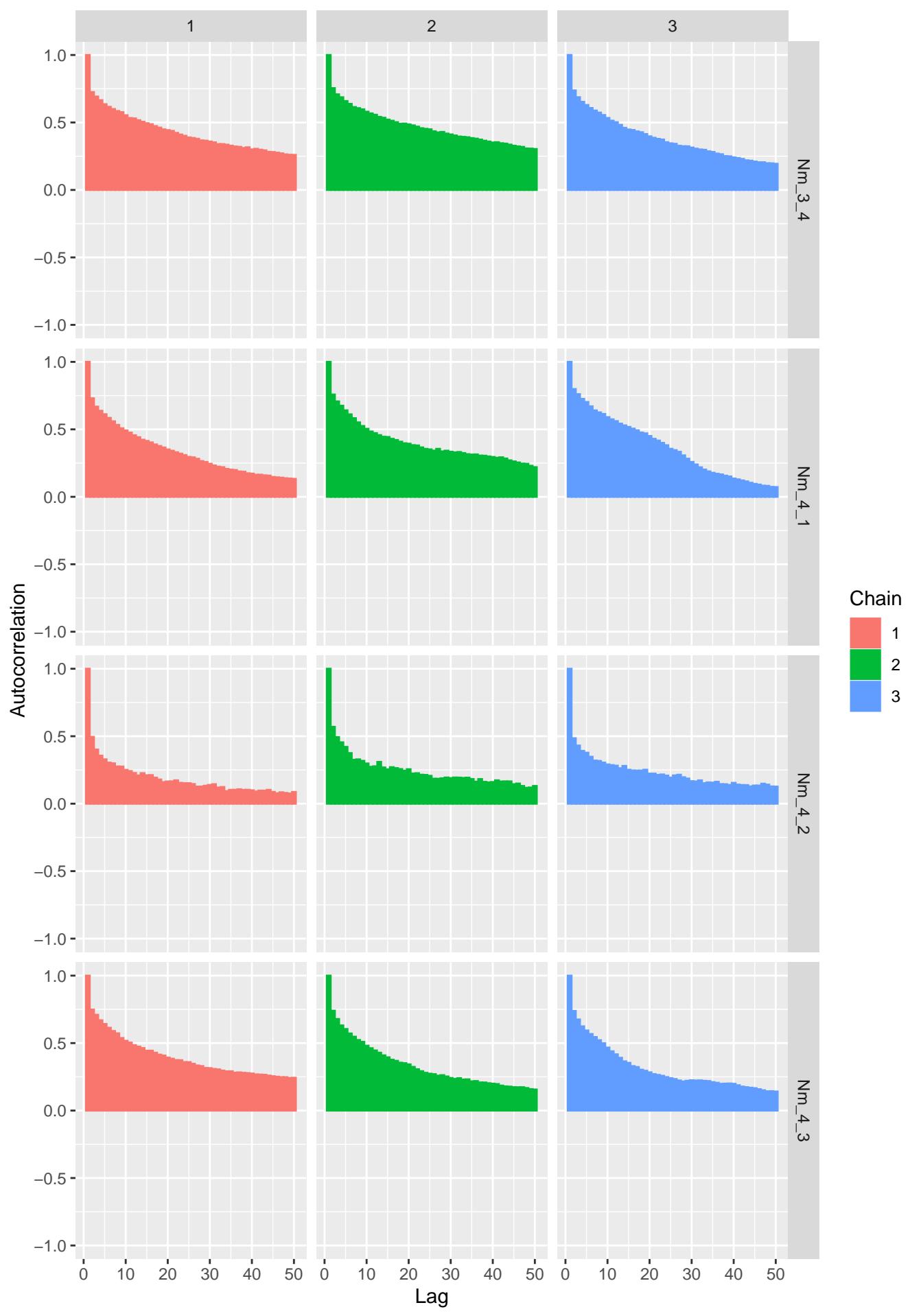


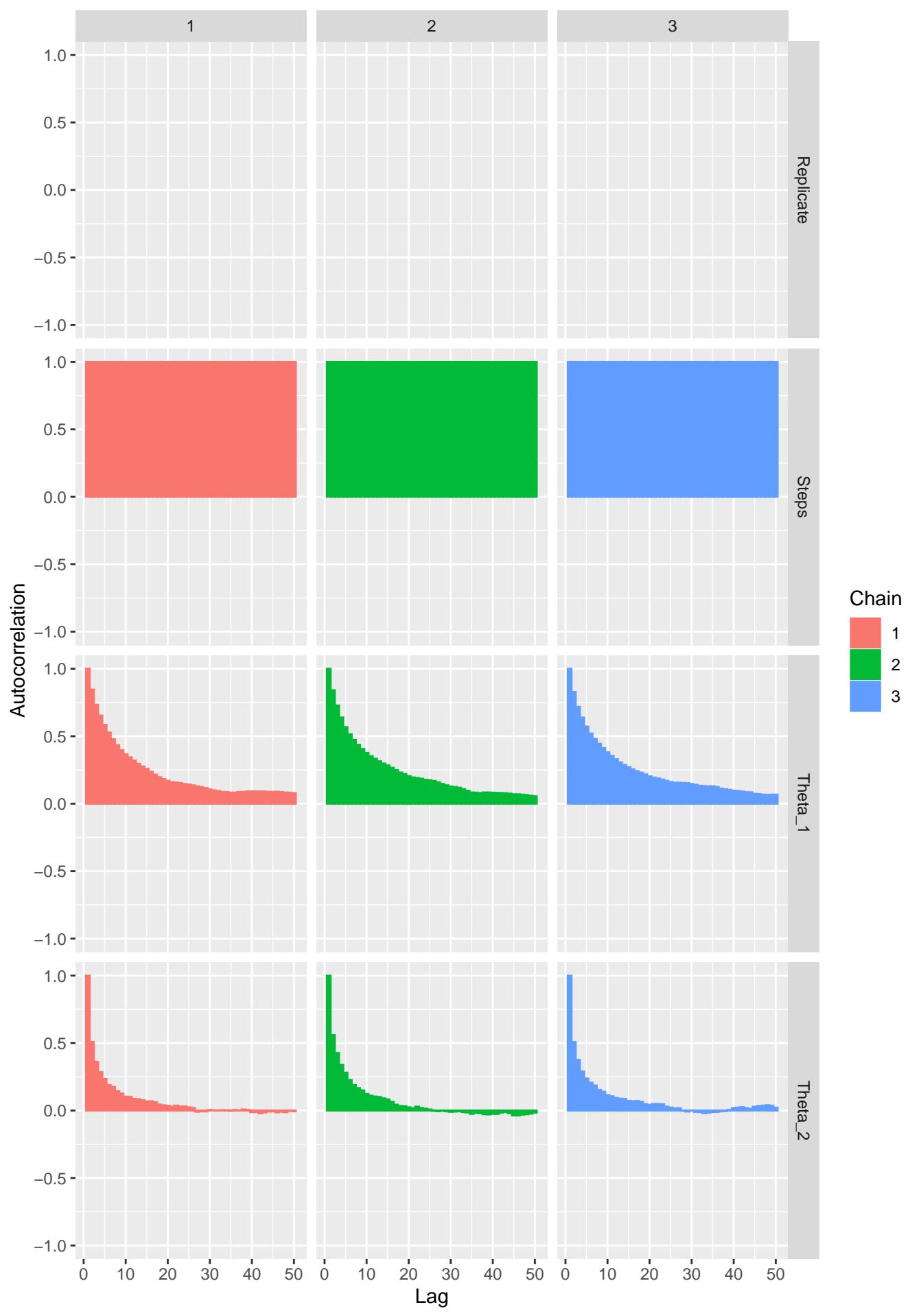


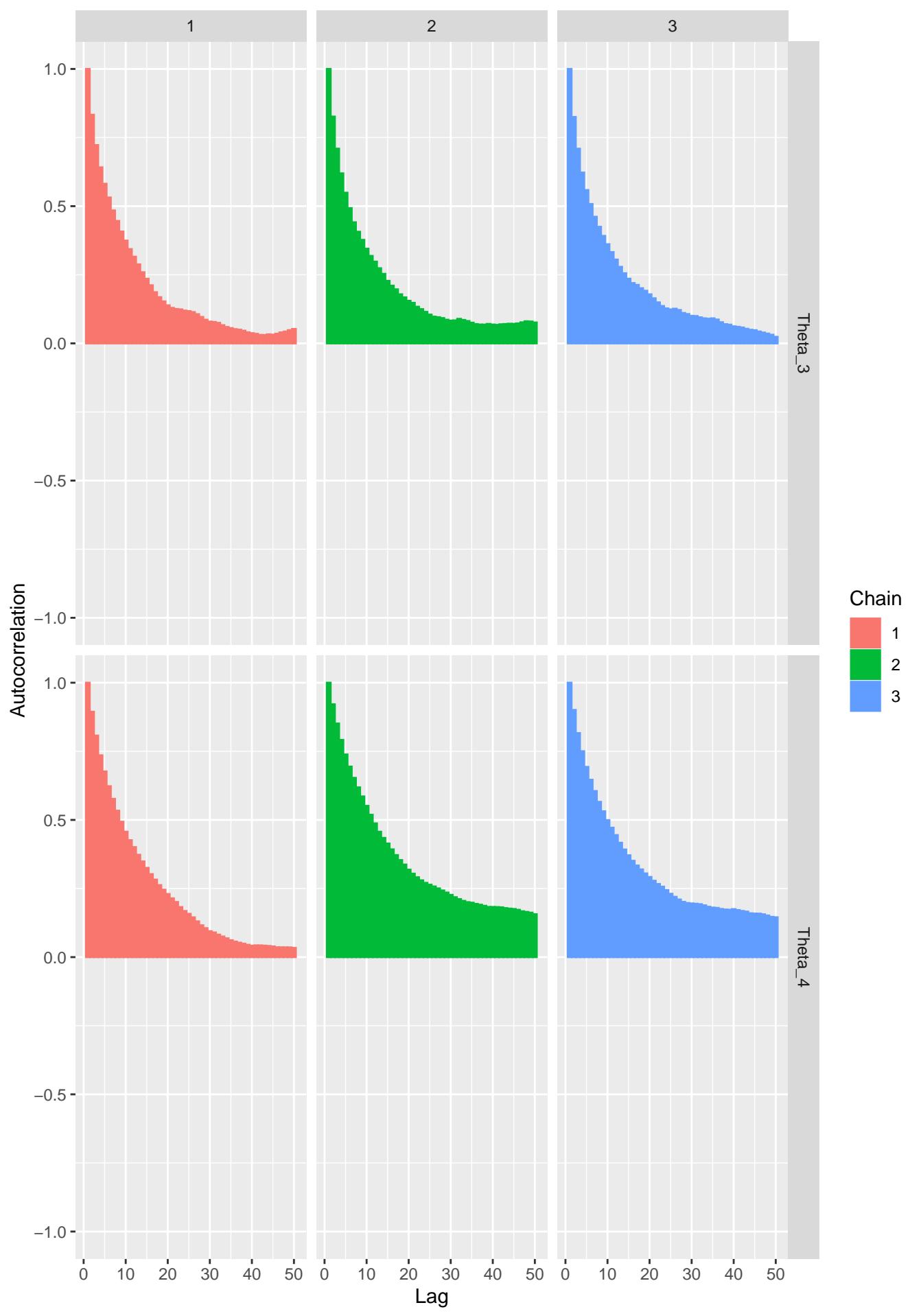


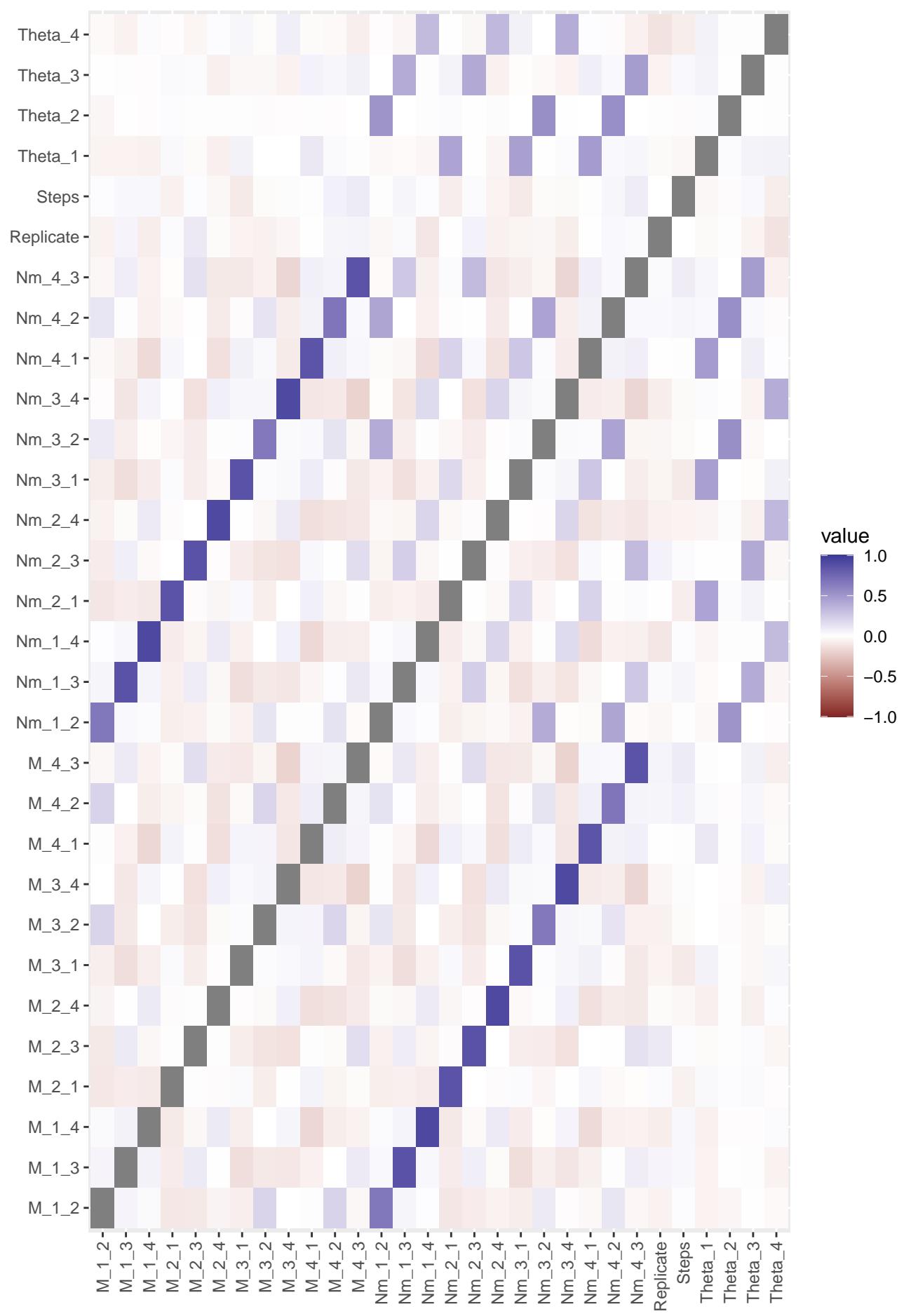












# Potential Scale Reduction Factors

Parameter

Theta\_4 ↗

Theta\_3 ↗

Theta\_2 ↗

Theta\_1 ↗

Steps ↗

Replicate ↗

Nm\_4\_3 ↗

Nm\_4\_2 ↗

Nm\_4\_1 ↗

Nm\_3\_4 ↗

Nm\_3\_2 ↗

Nm\_3\_1 ↗

Nm\_2\_4 ↗

Nm\_2\_3 ↗

Nm\_2\_1 ↗

Nm\_1\_4 ↗

Nm\_1\_3 ↗

Nm\_1\_2 ↗

M\_4\_3 ↗

M\_4\_2 ↗

M\_4\_1 ↗

M\_3\_4 ↗

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M\_3\_1 ↗

M\_2\_4 ↗

M\_2\_3 ↗

M\_2\_1 ↗

M\_1\_4 ↗

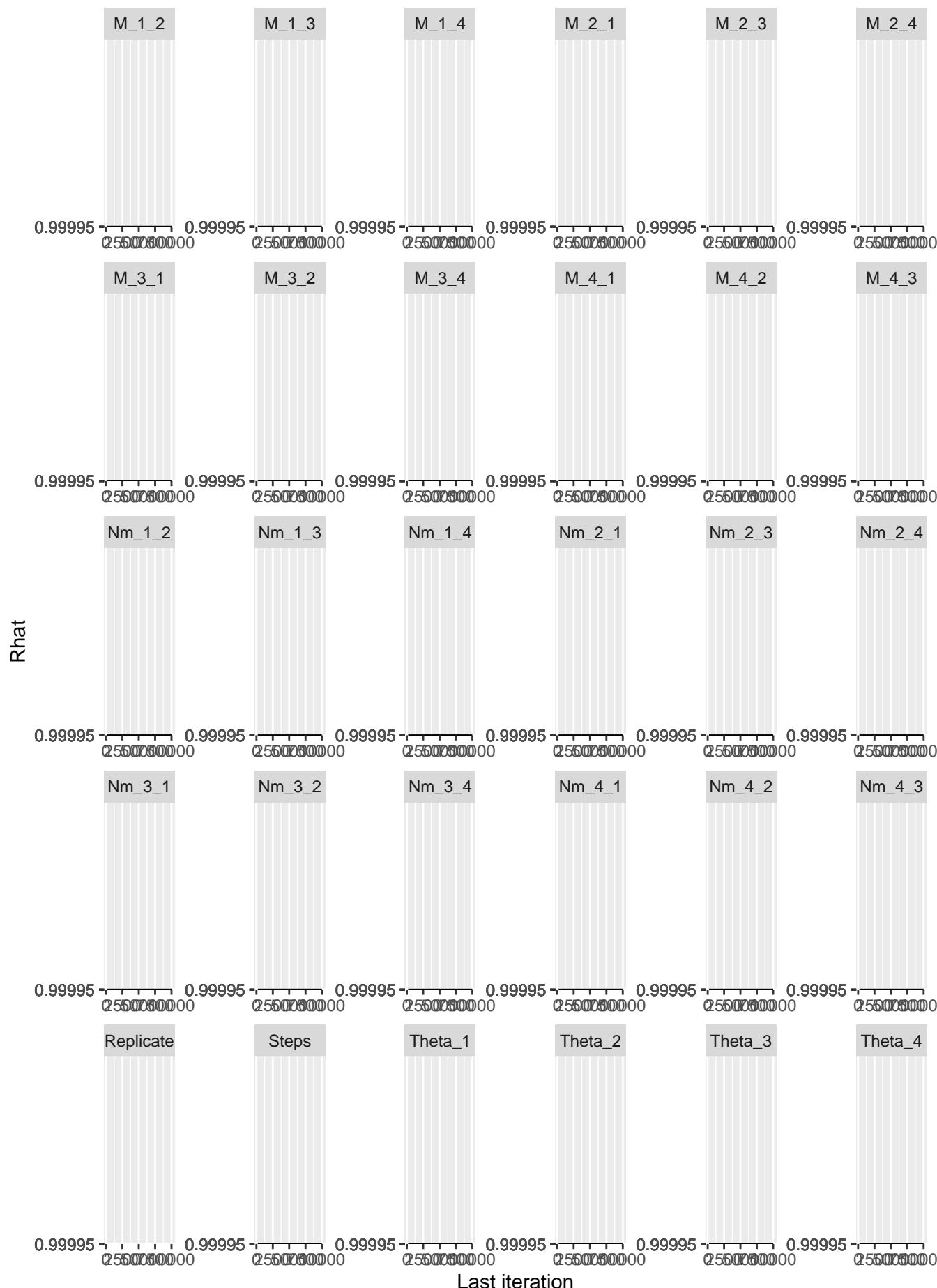
M\_1\_3 ↗

M\_1\_2 ↗

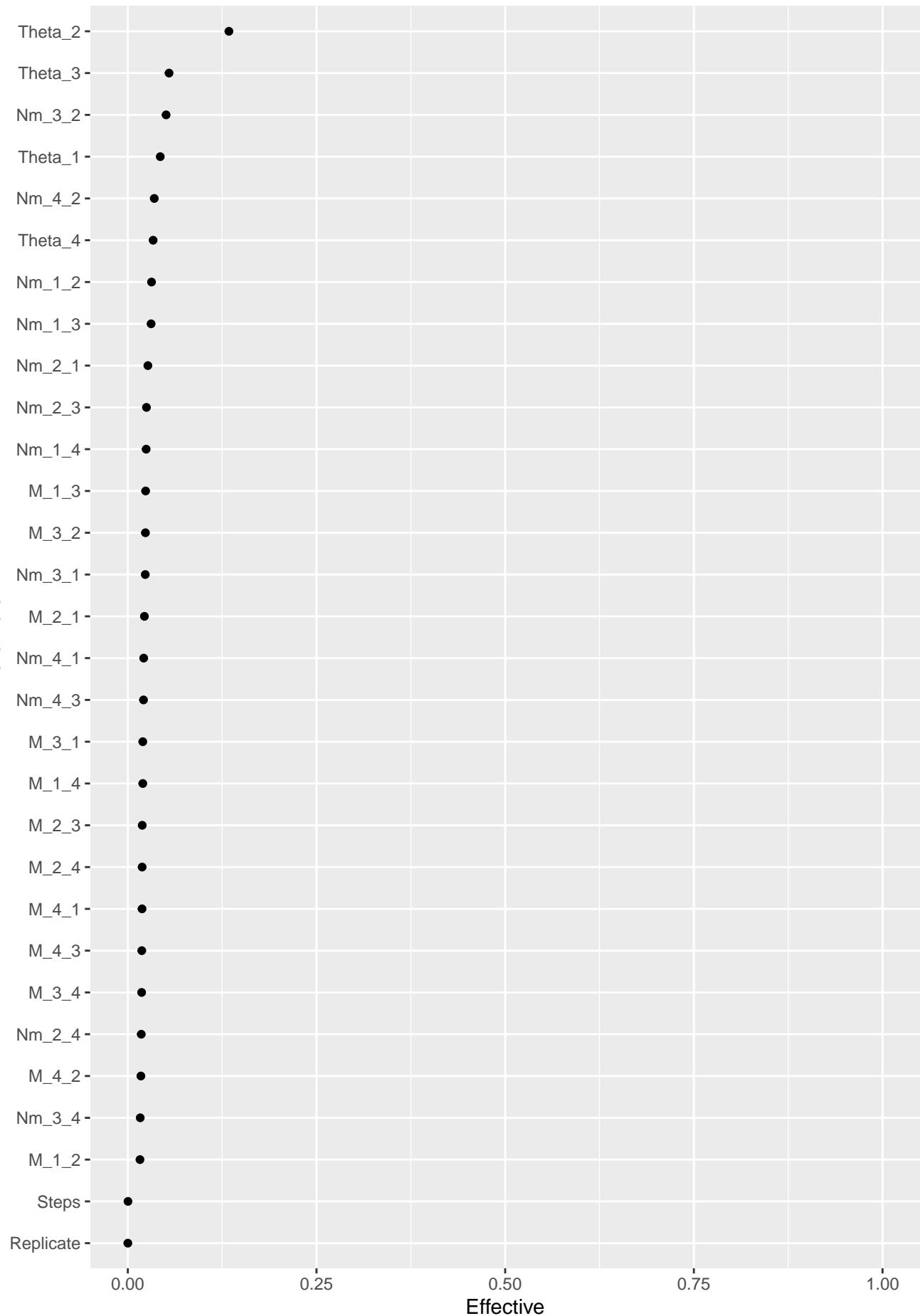
0.99995

^  
R

# Shrinkage of Potential Scale Reduction Factors



# Proportion of effective independent draws



# Geweke Diagnostics

