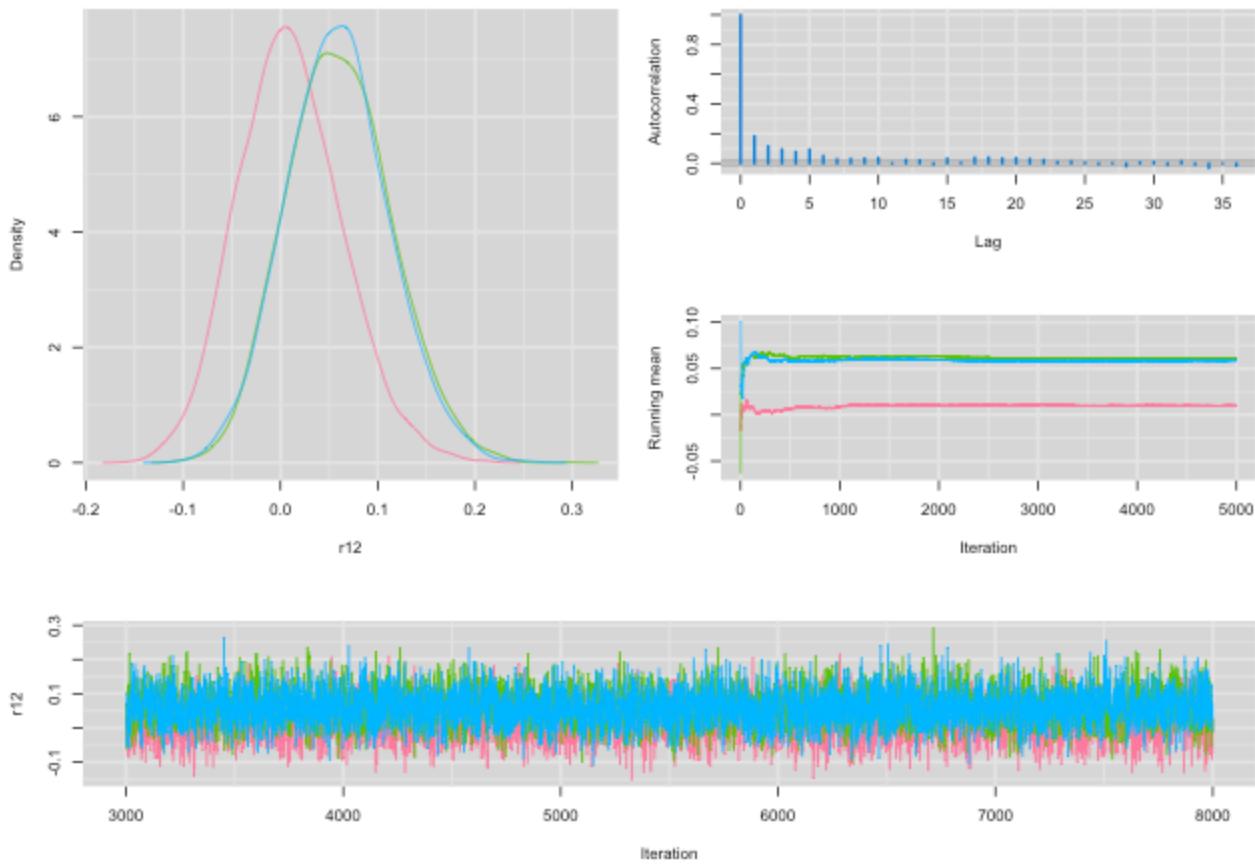


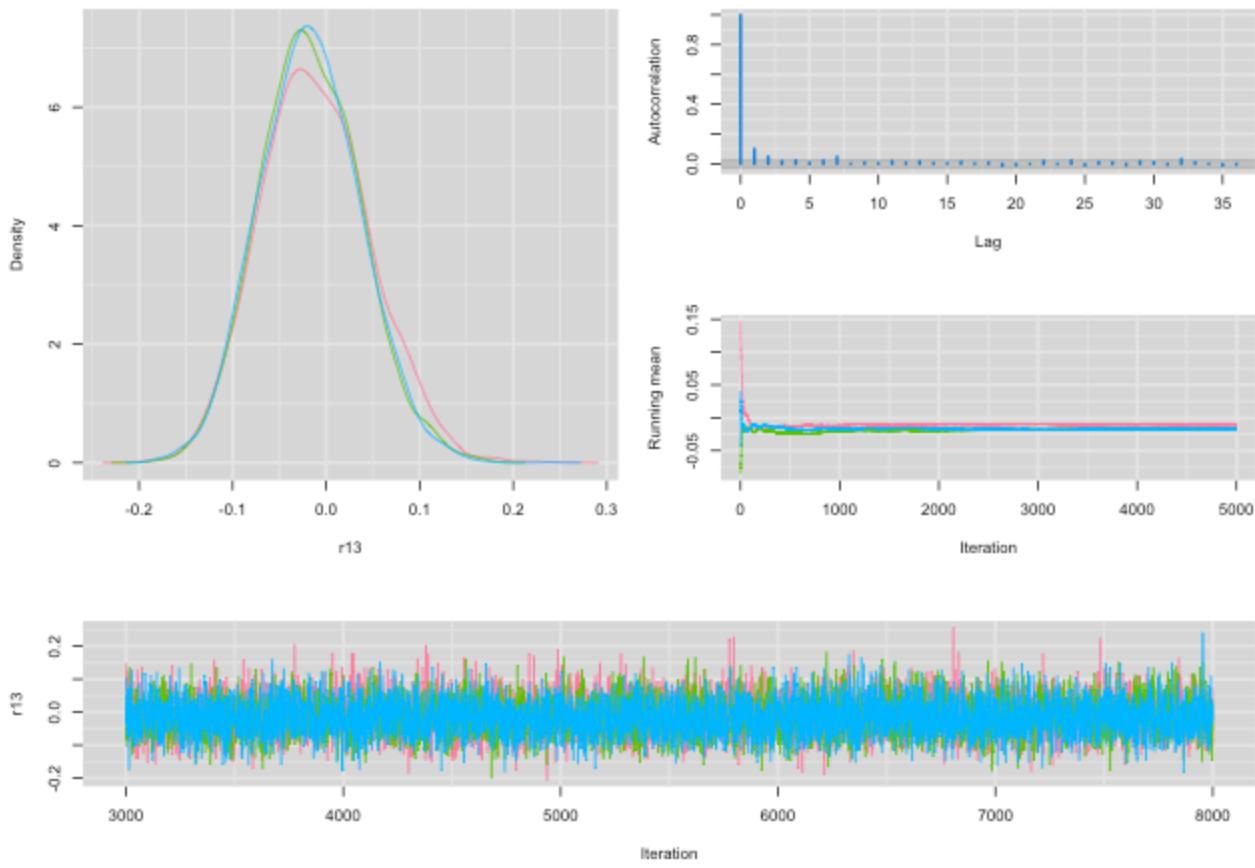
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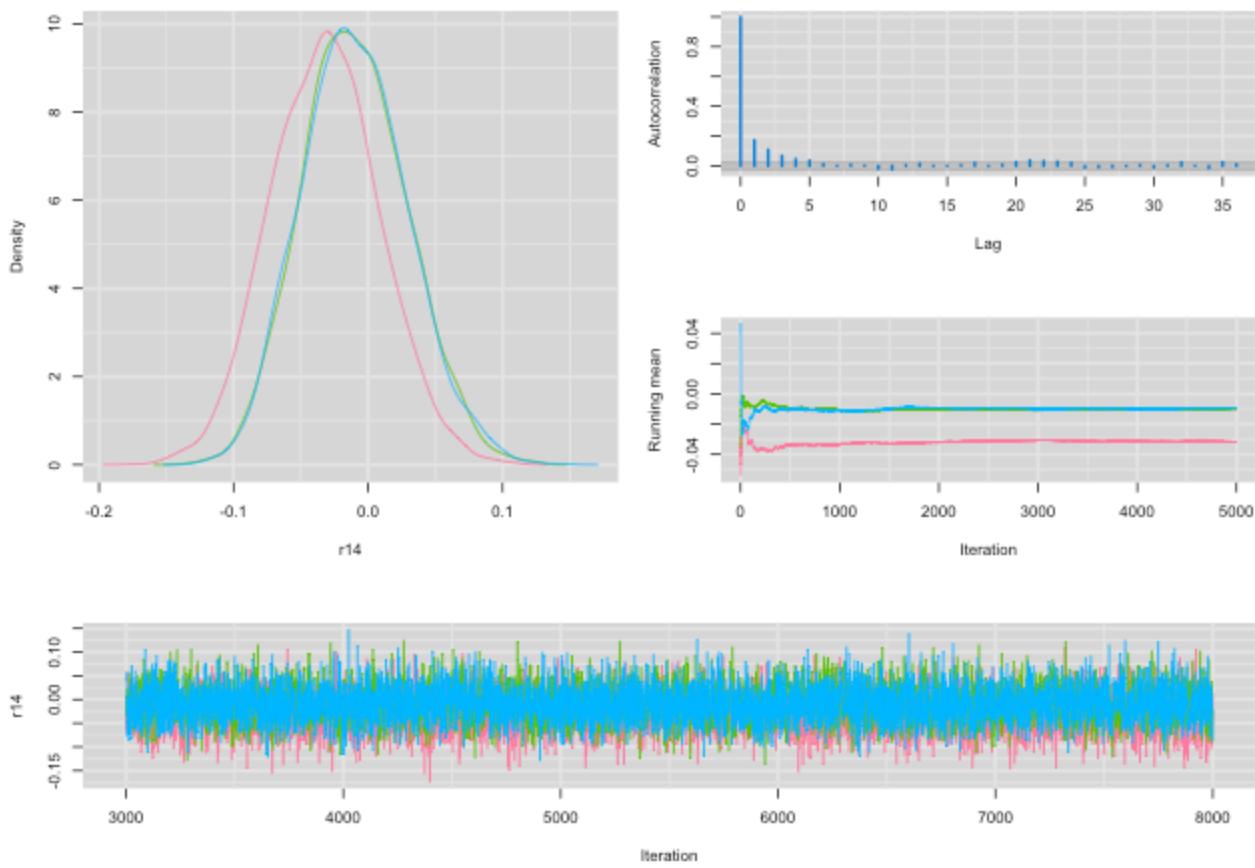
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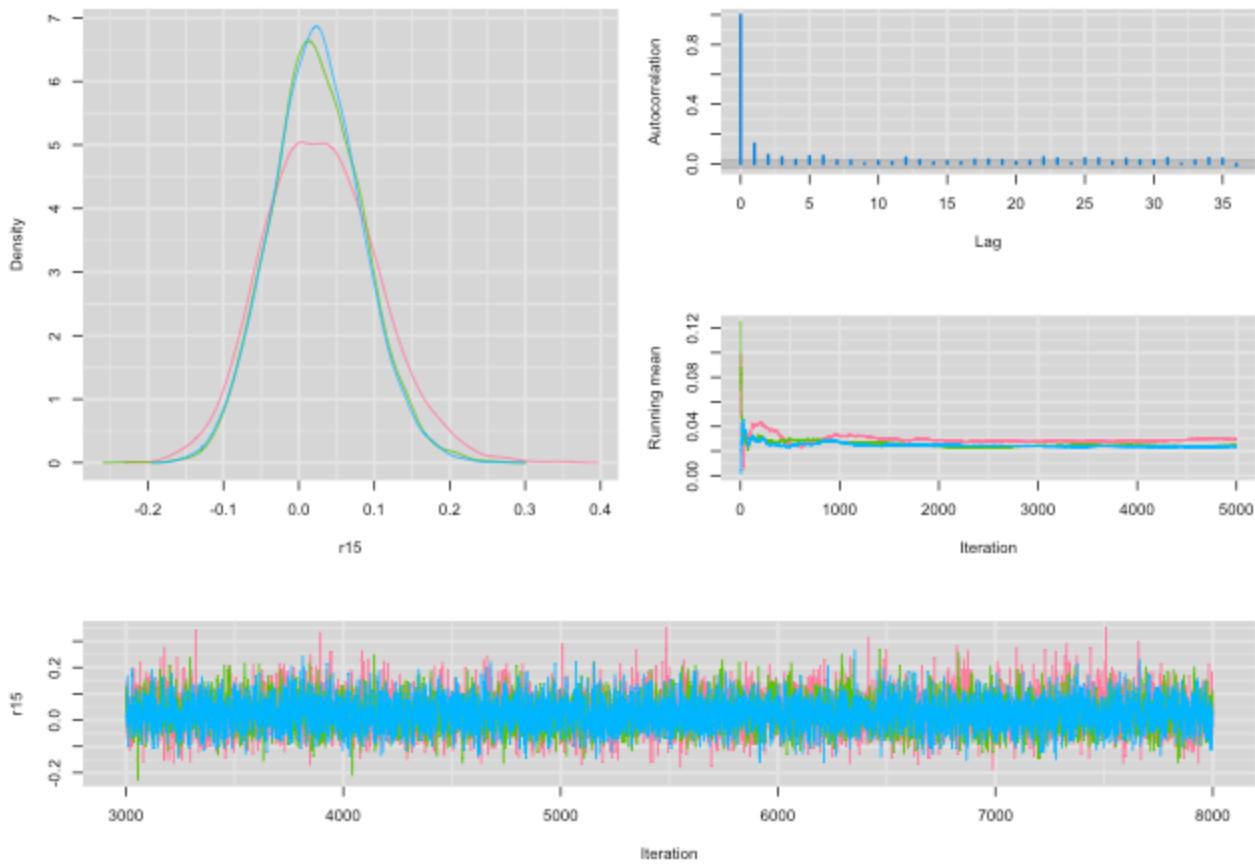
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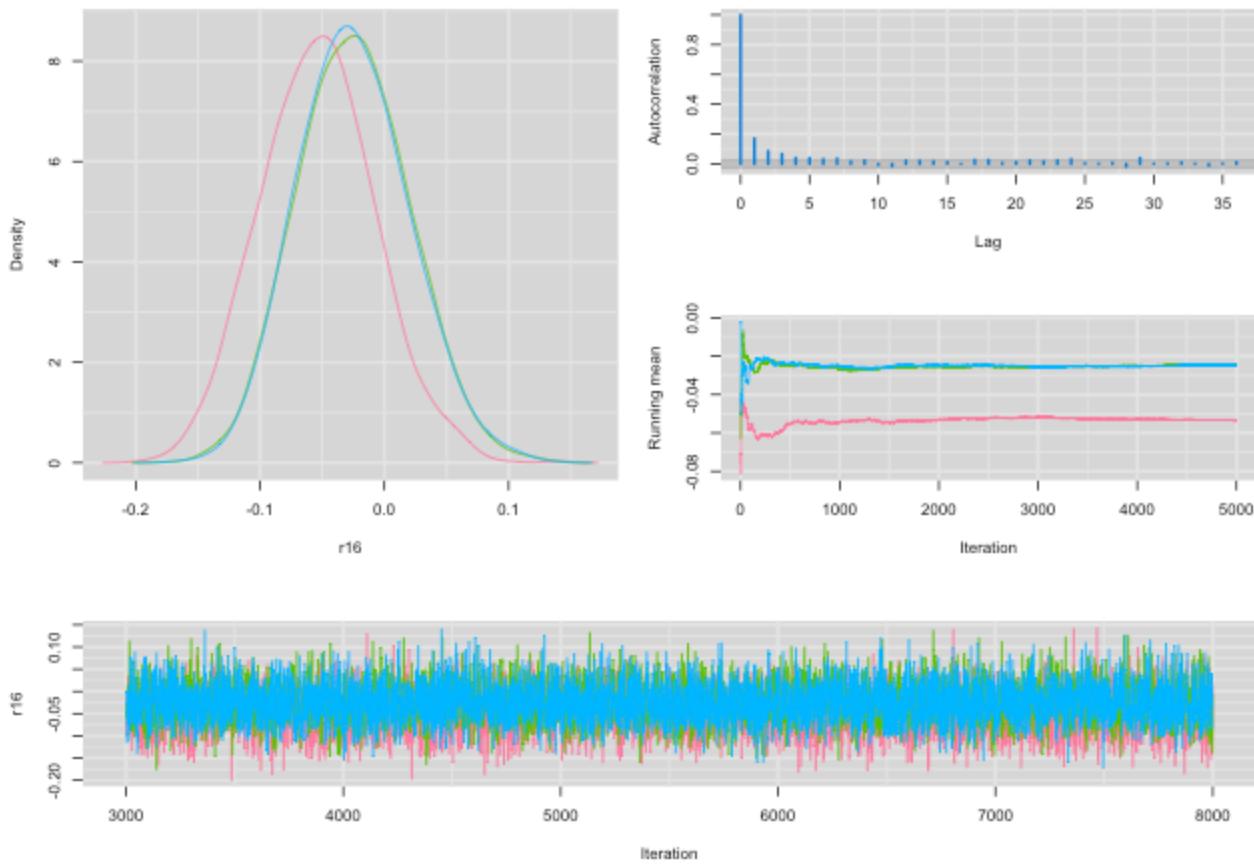
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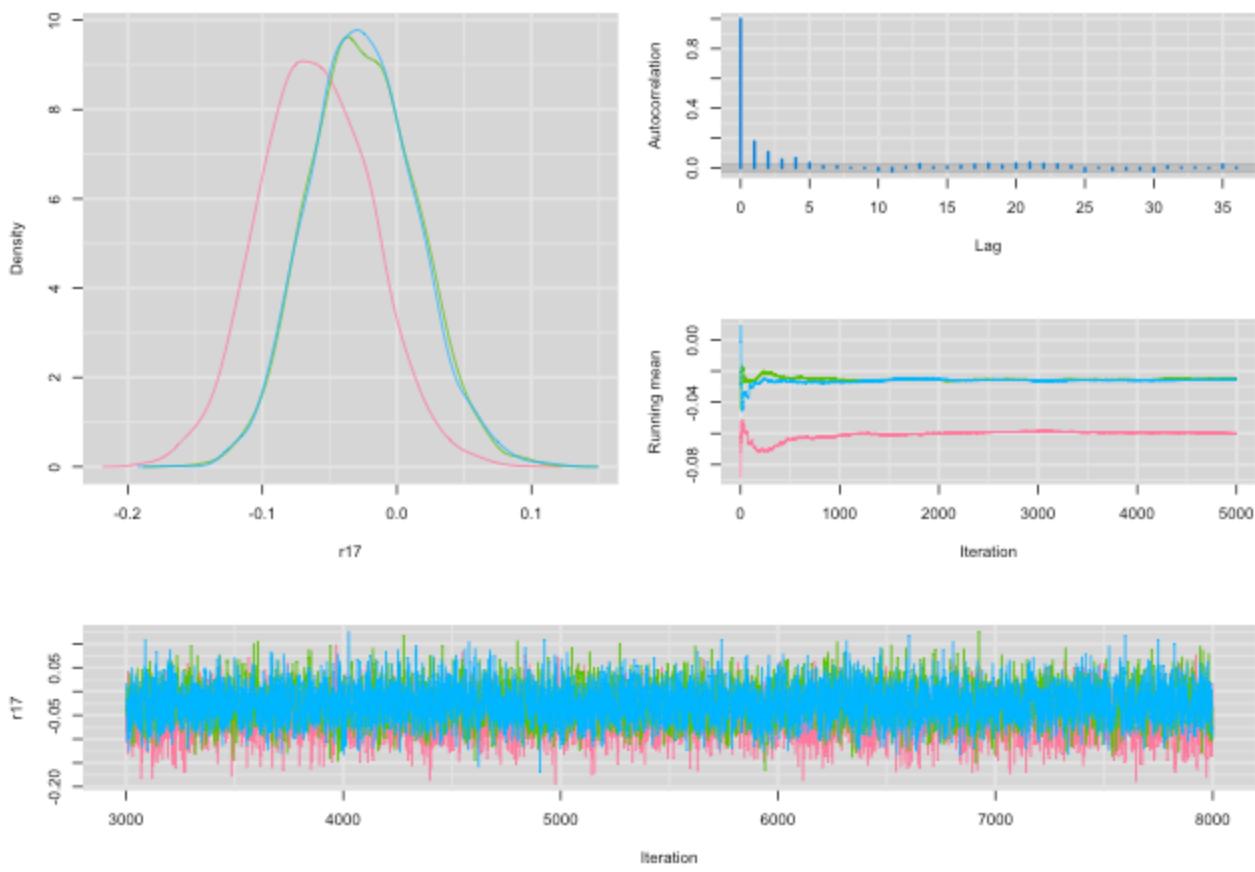
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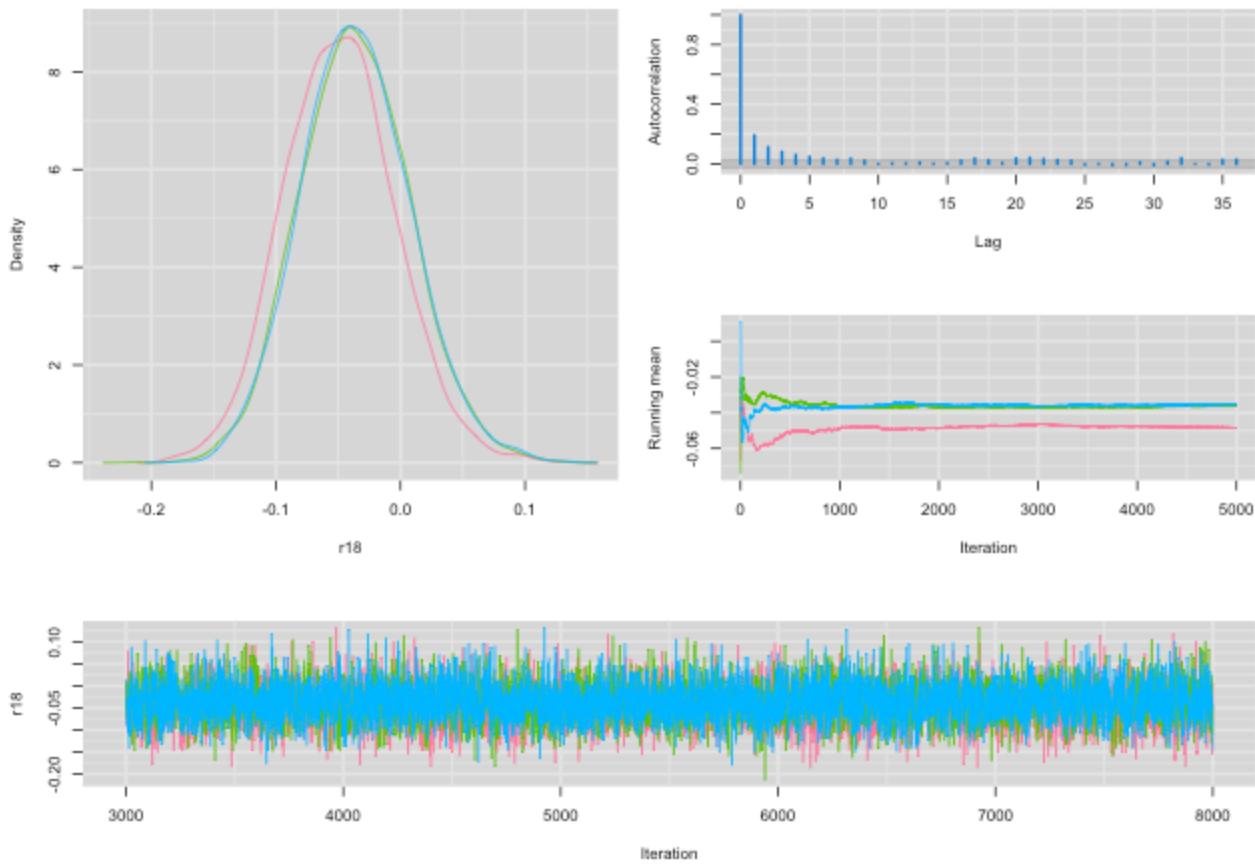
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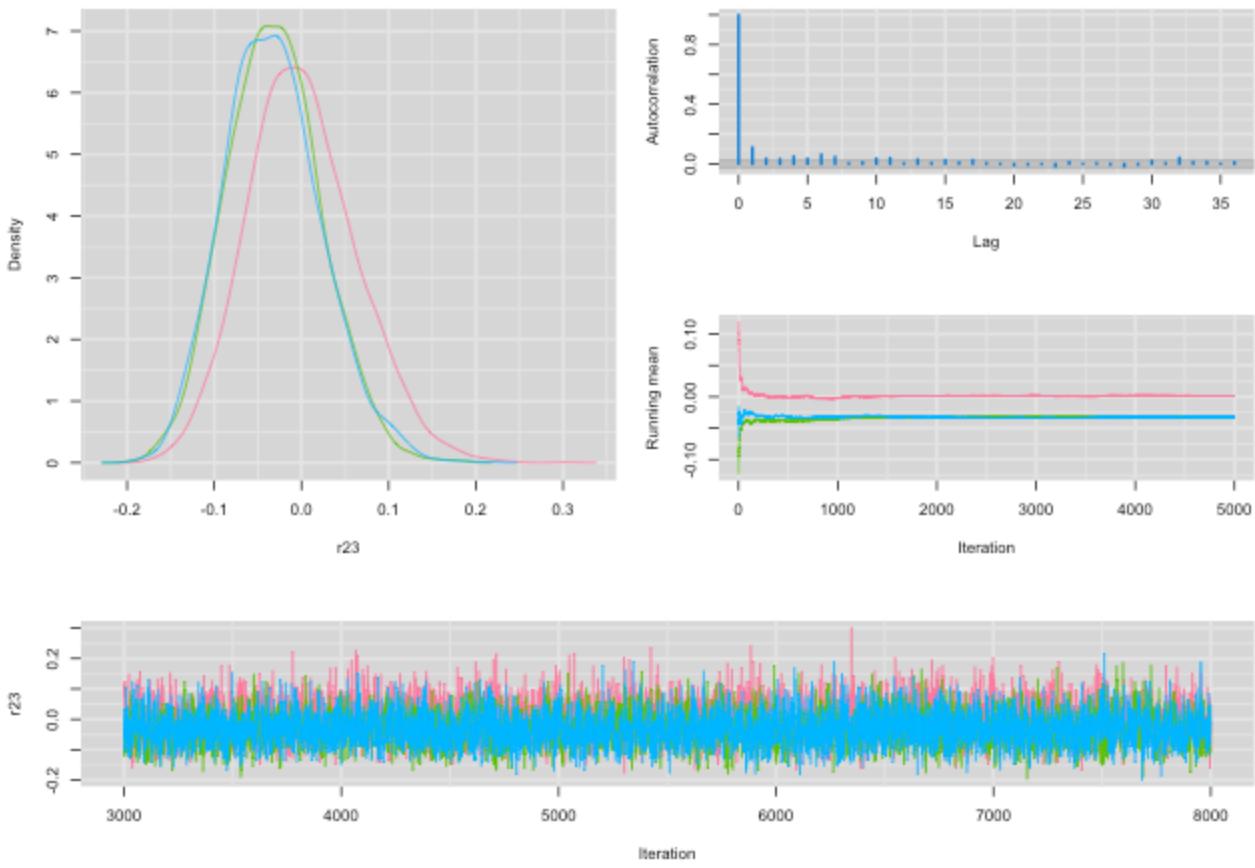
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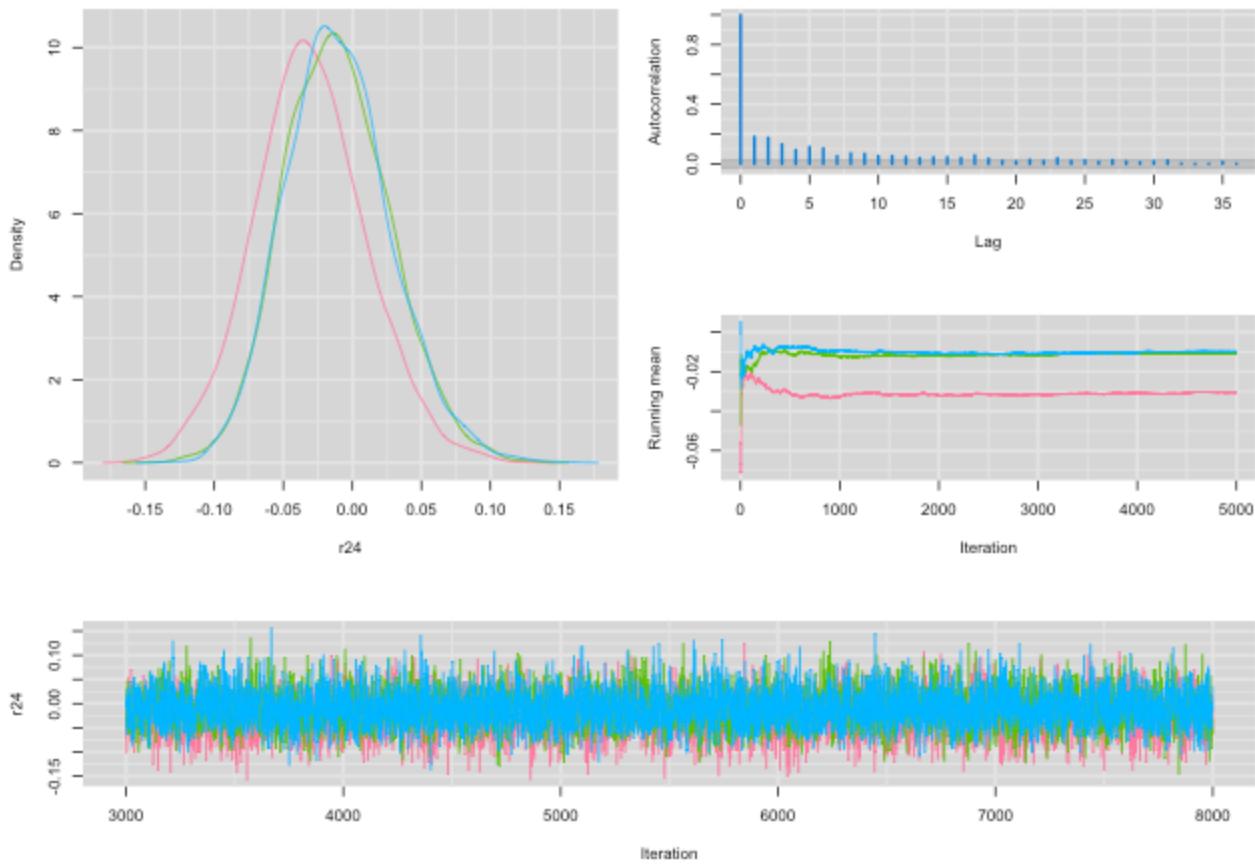
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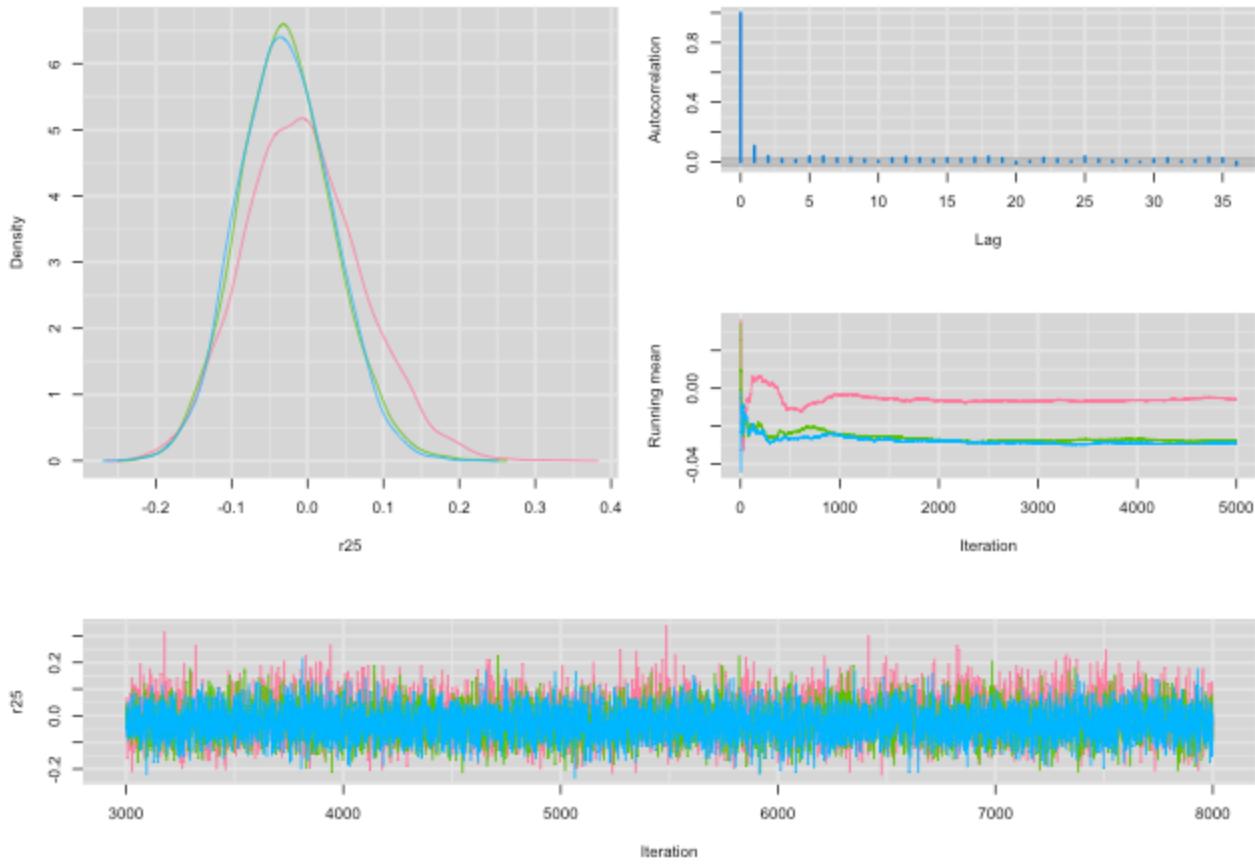
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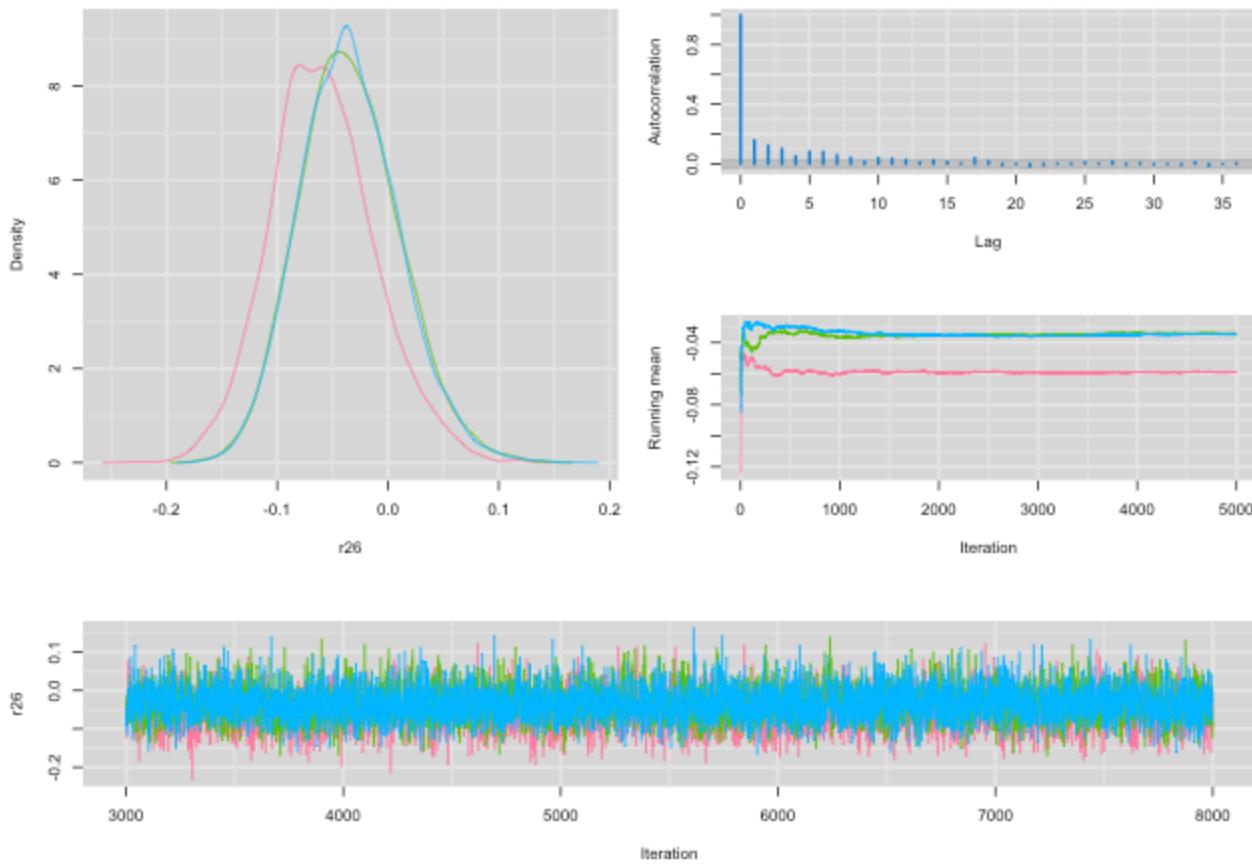
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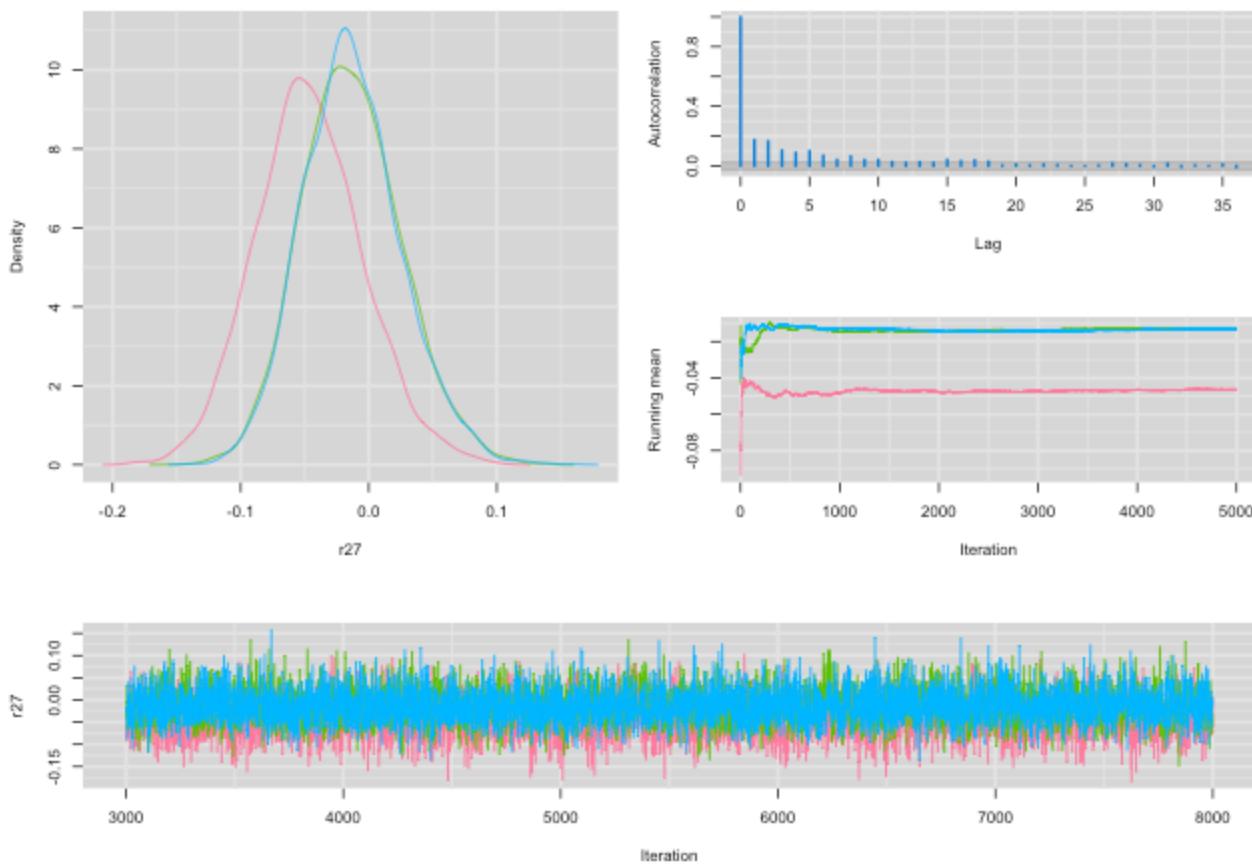
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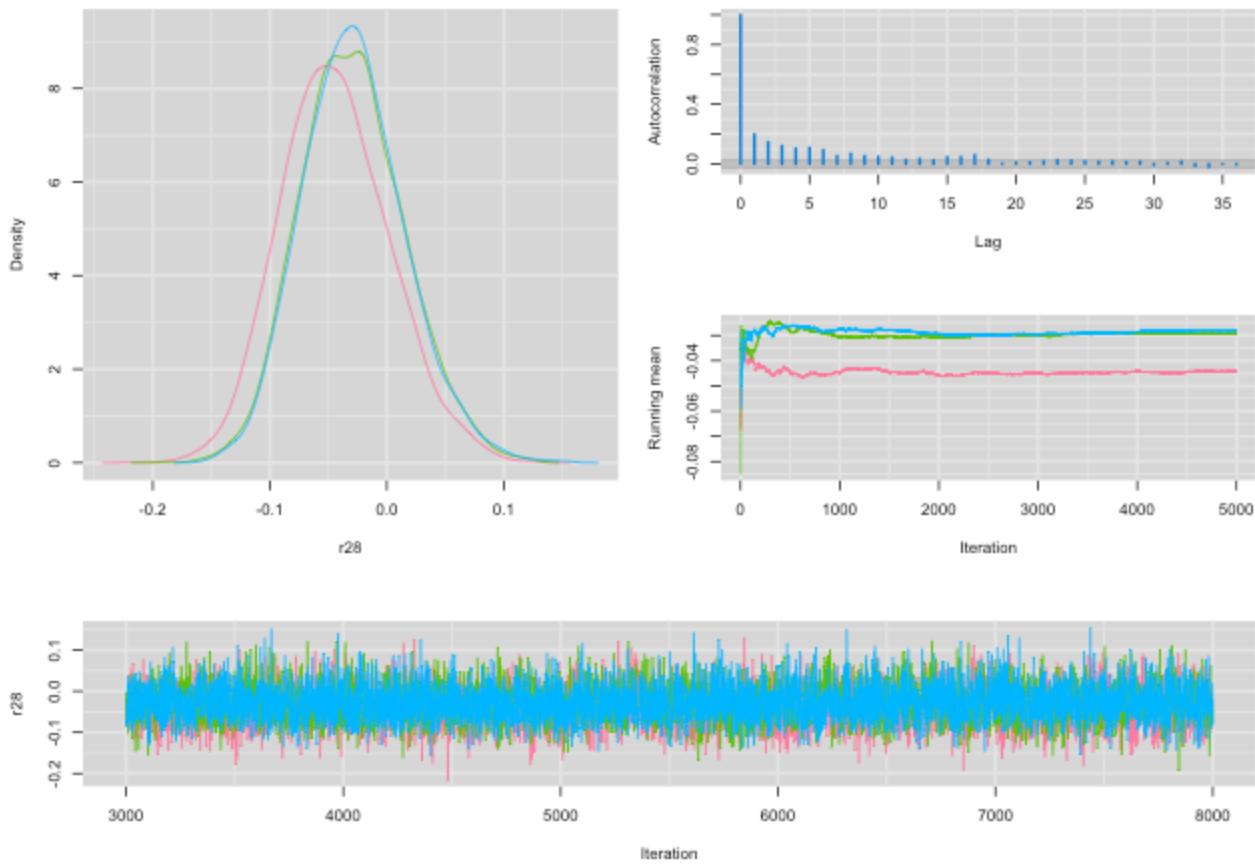
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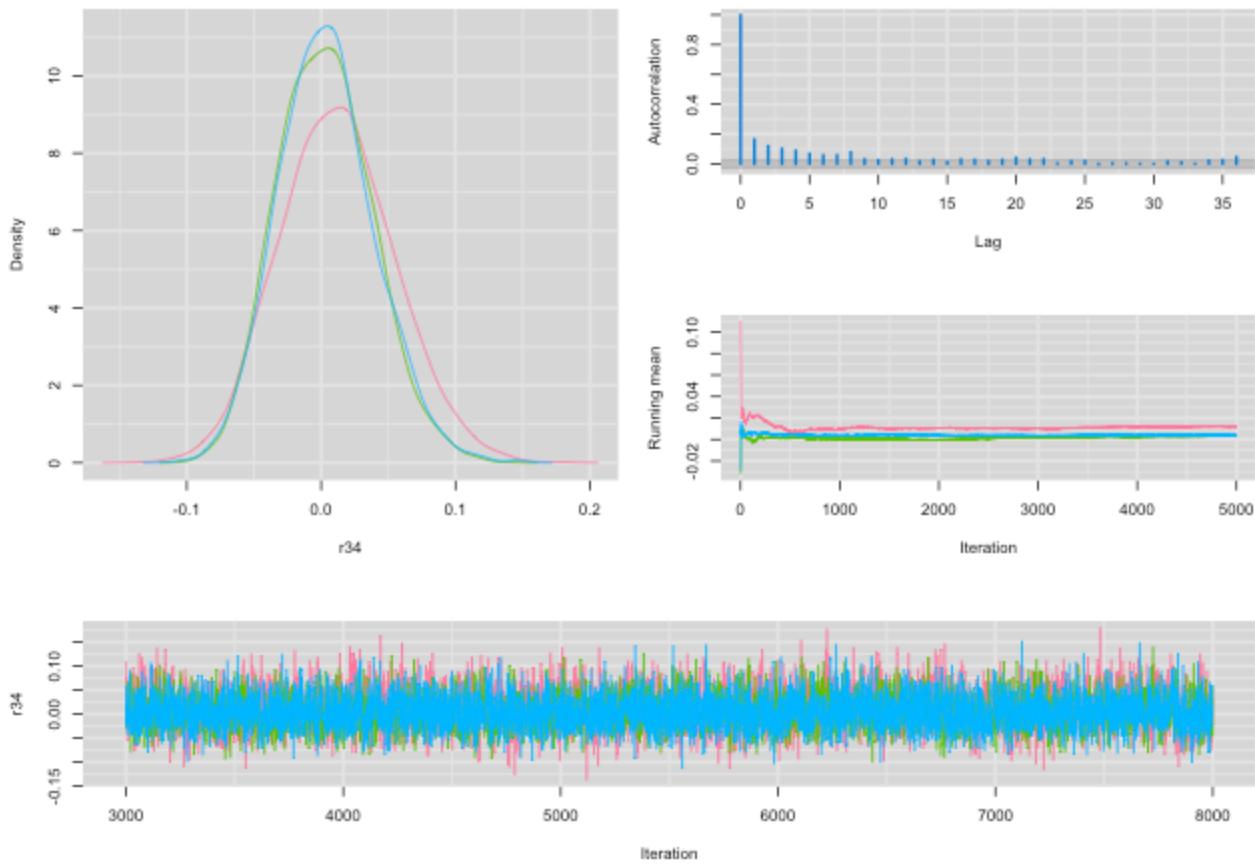
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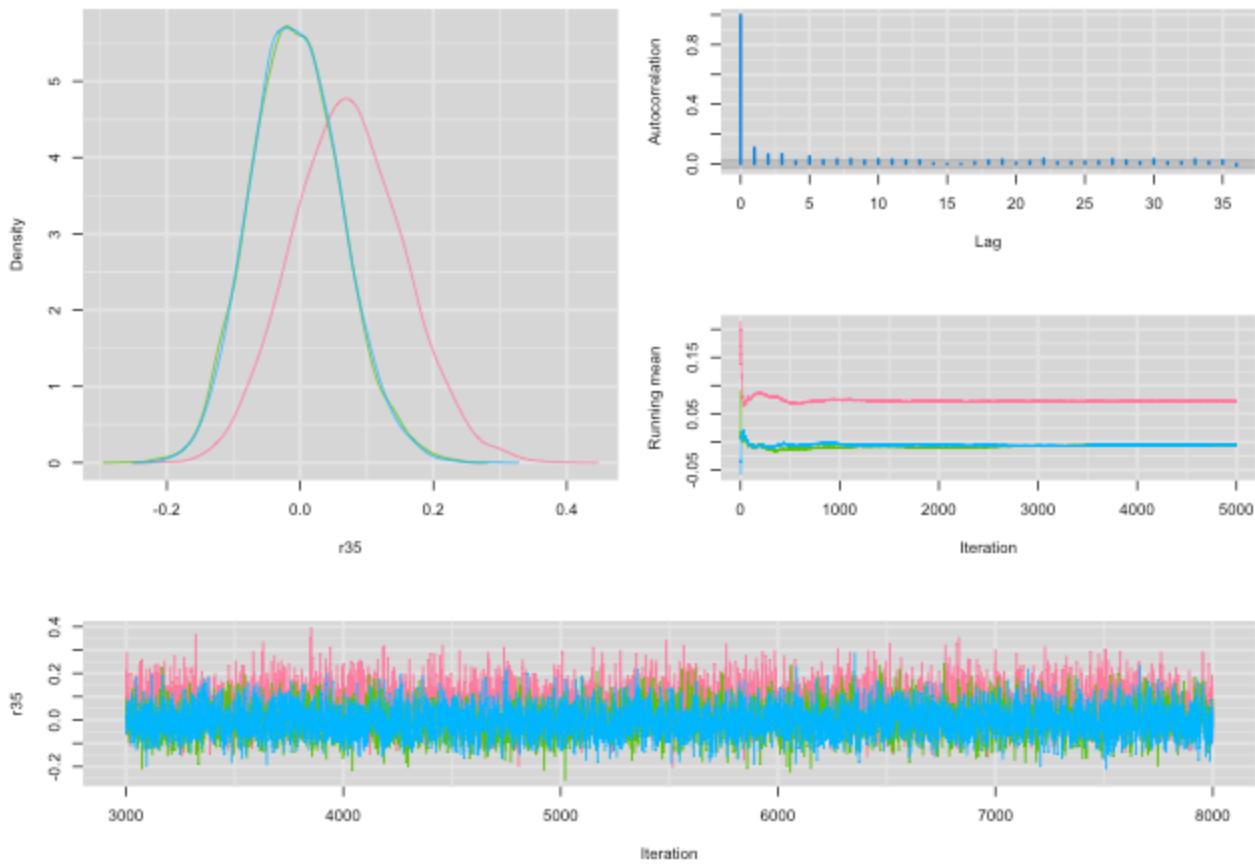
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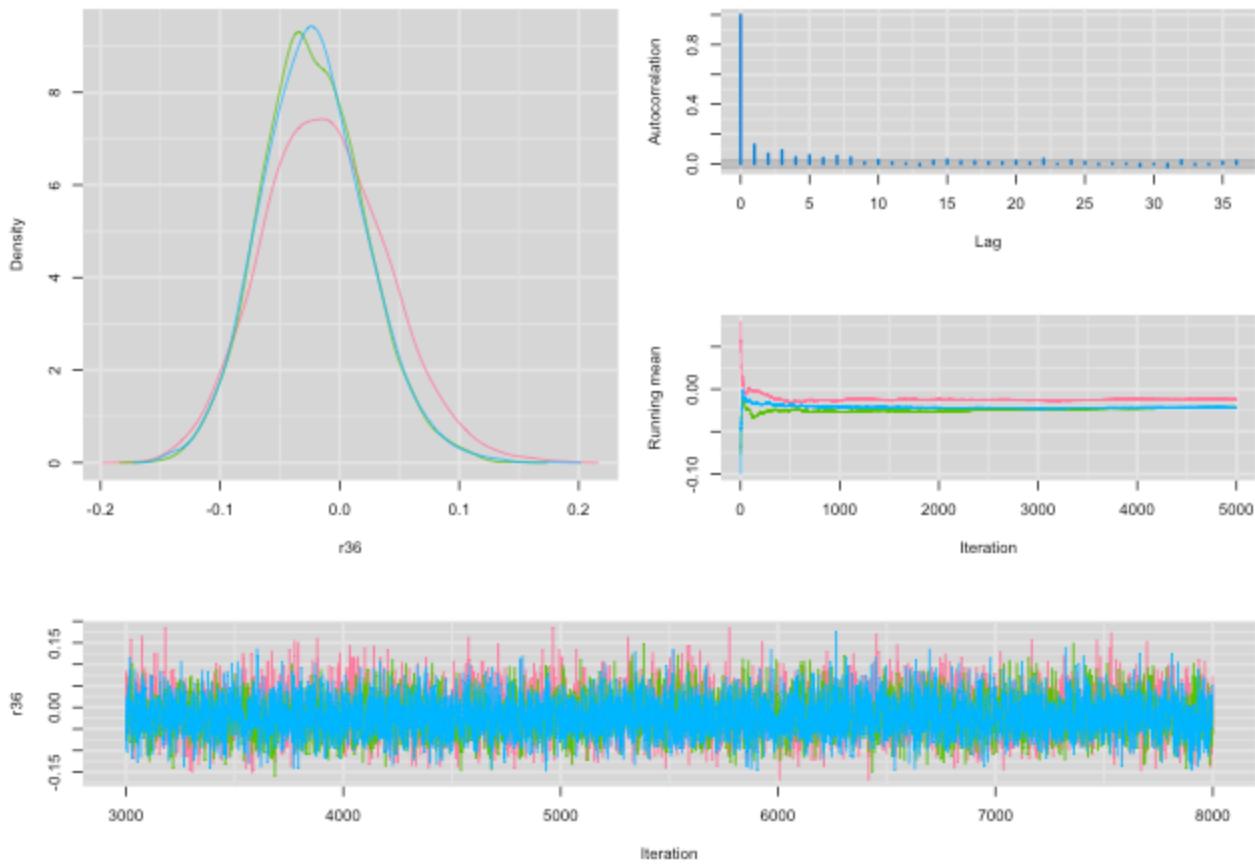
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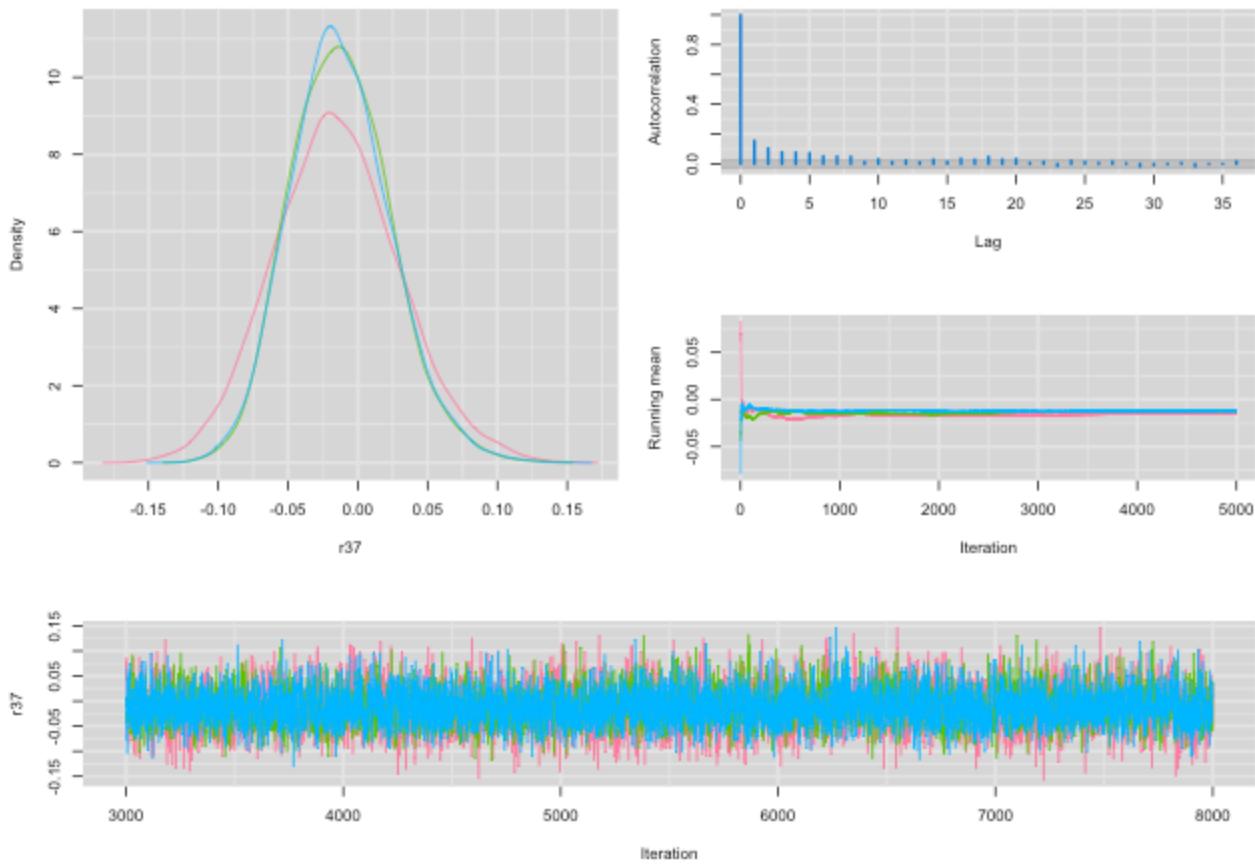
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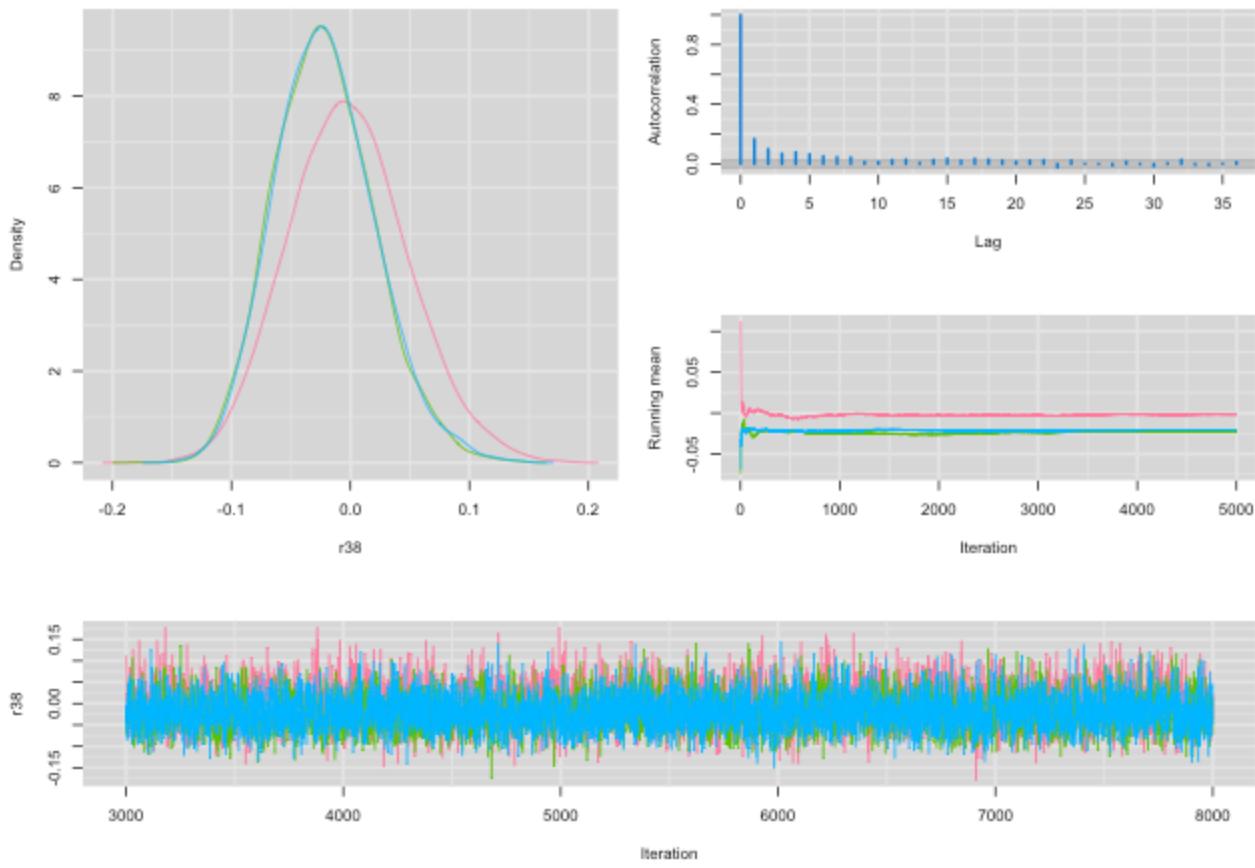
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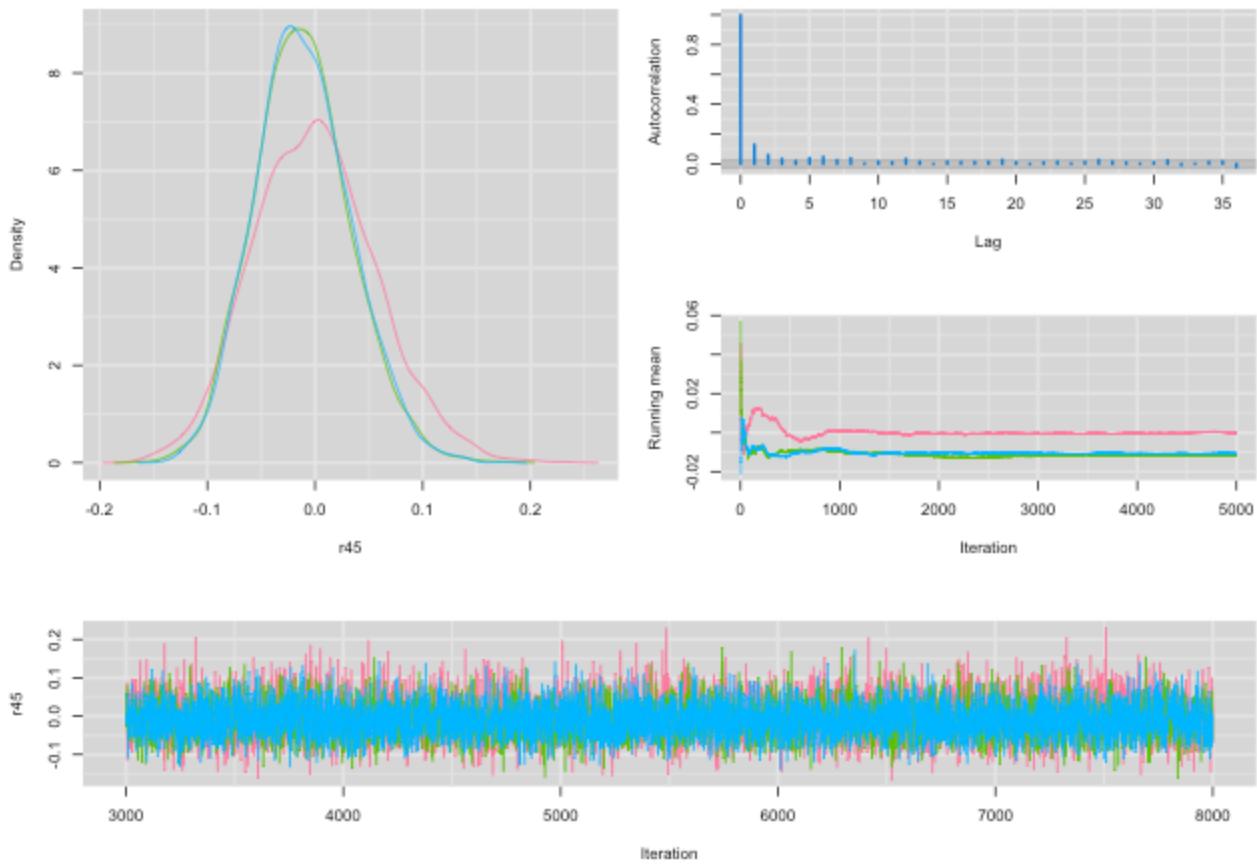
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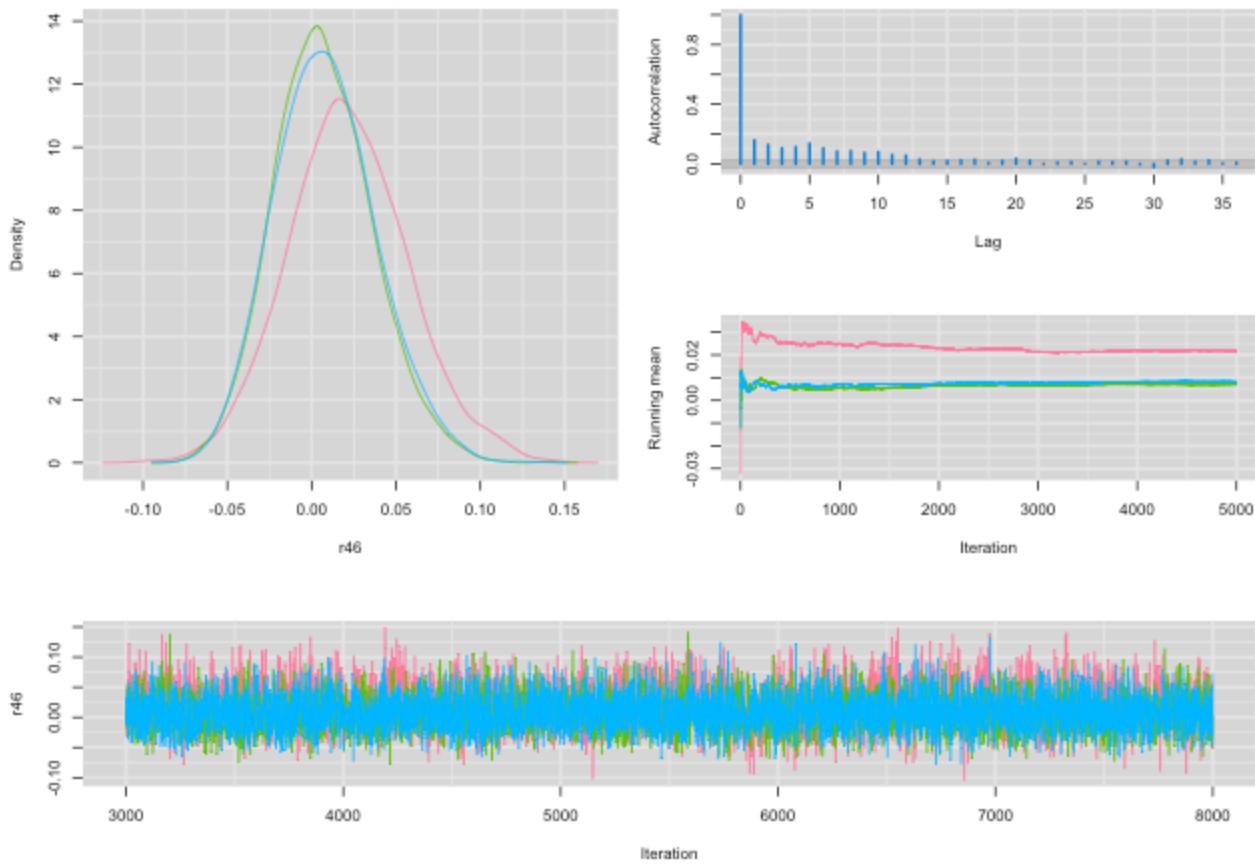
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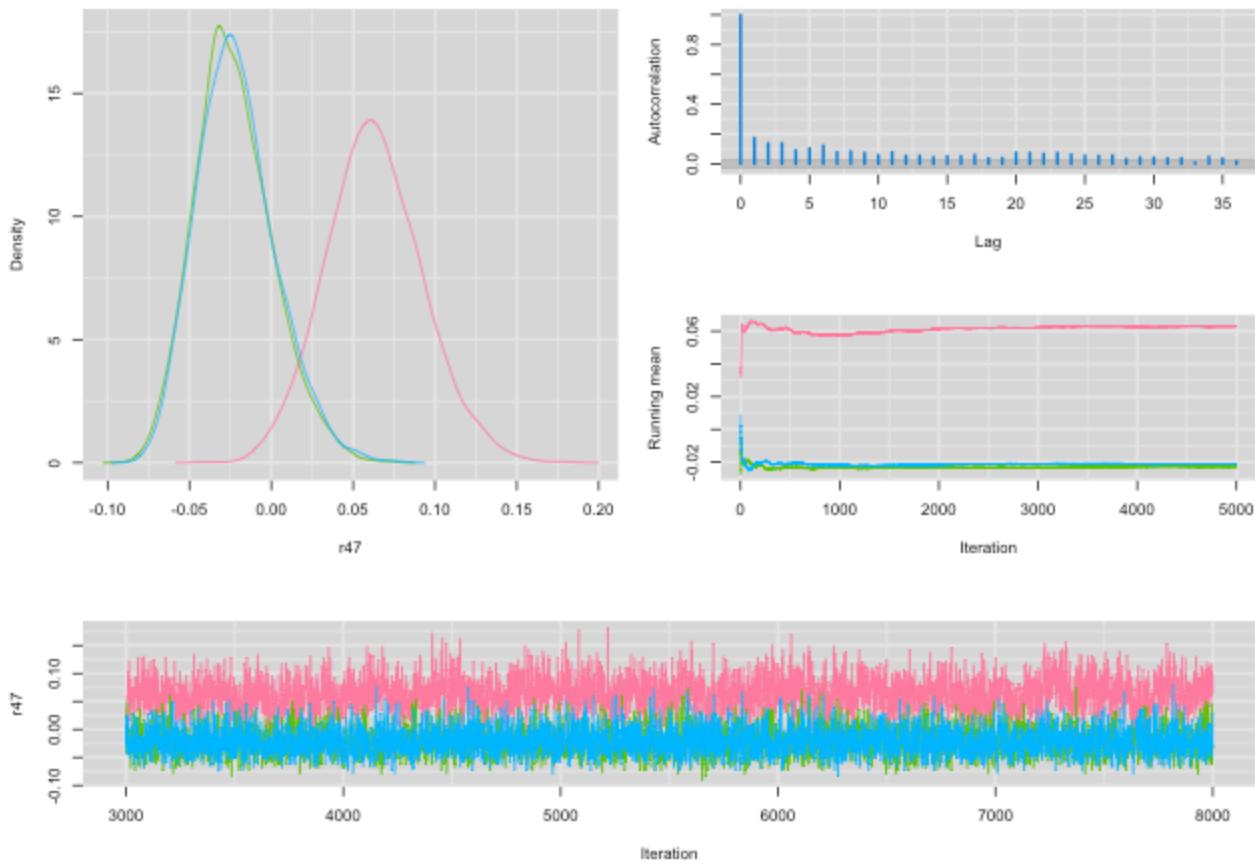
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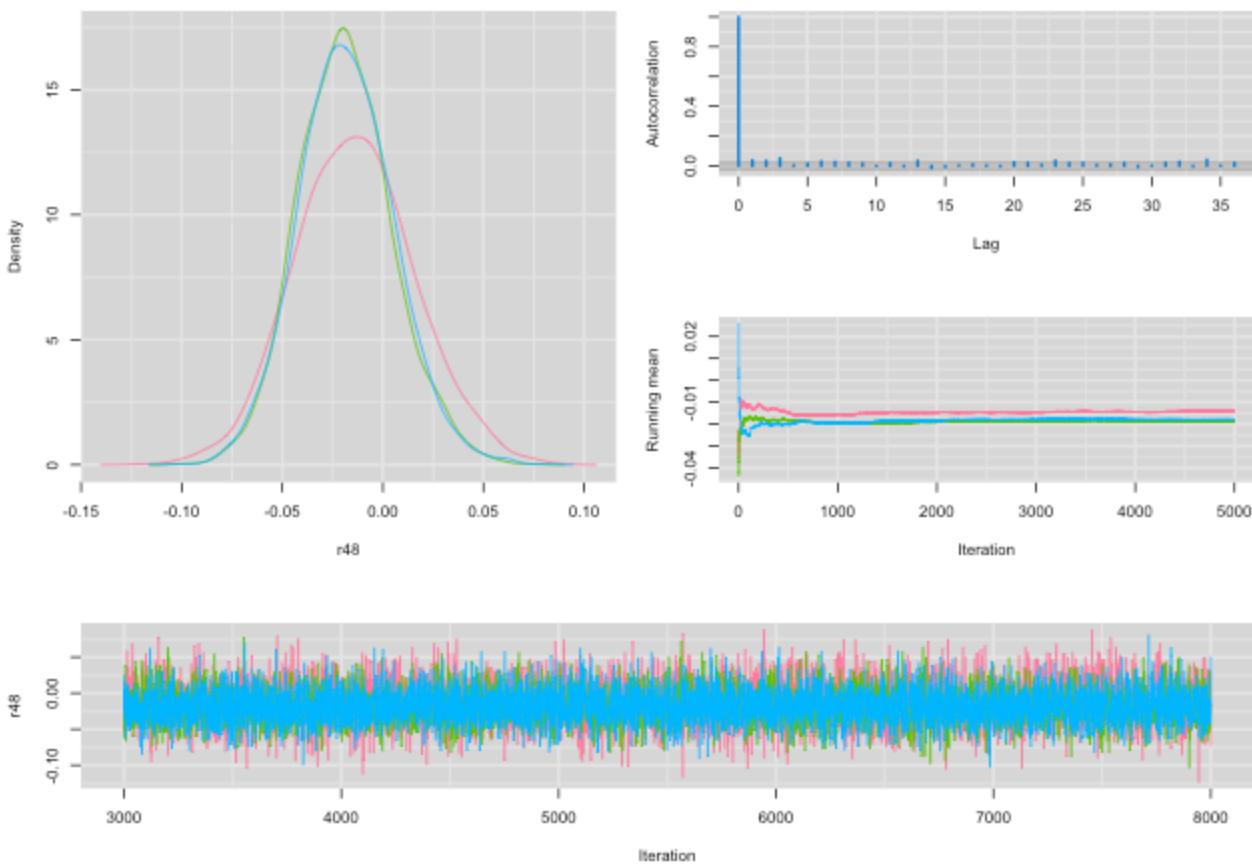
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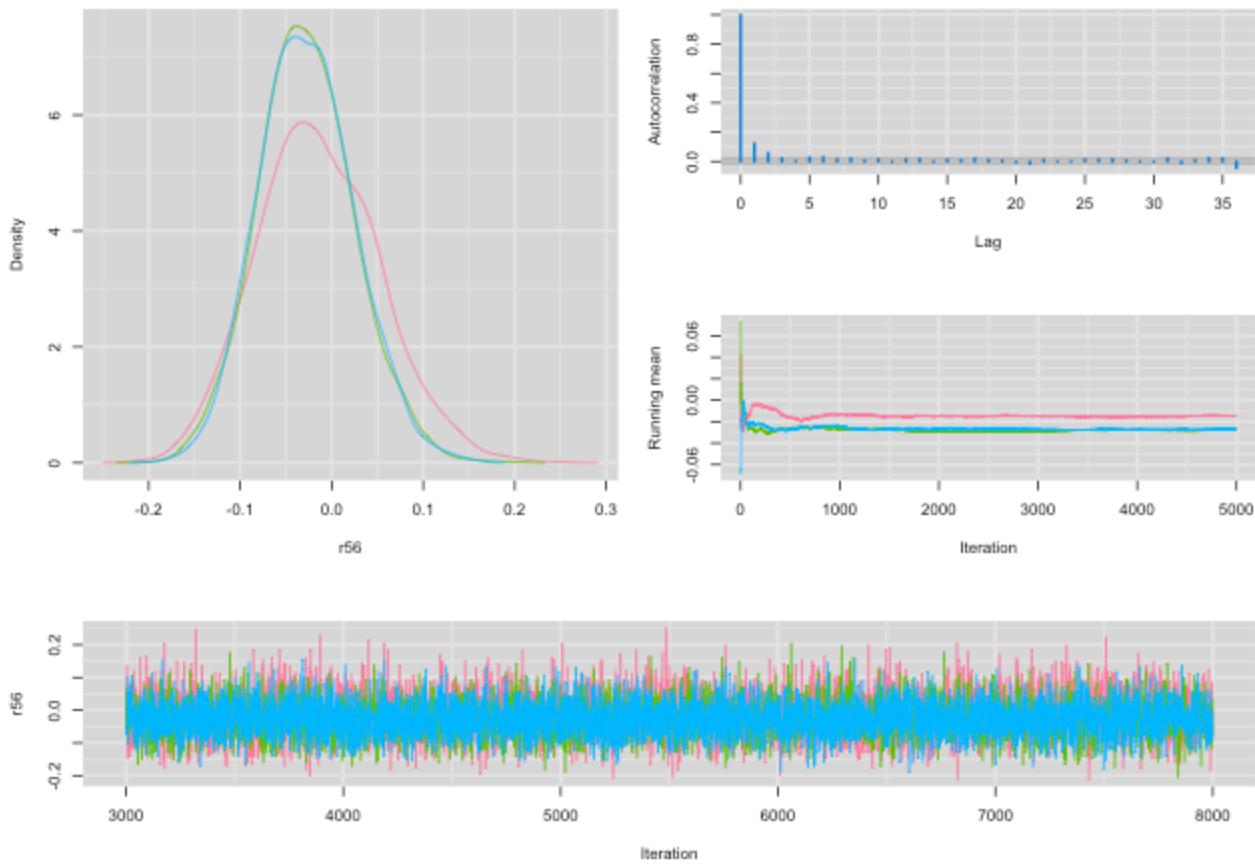
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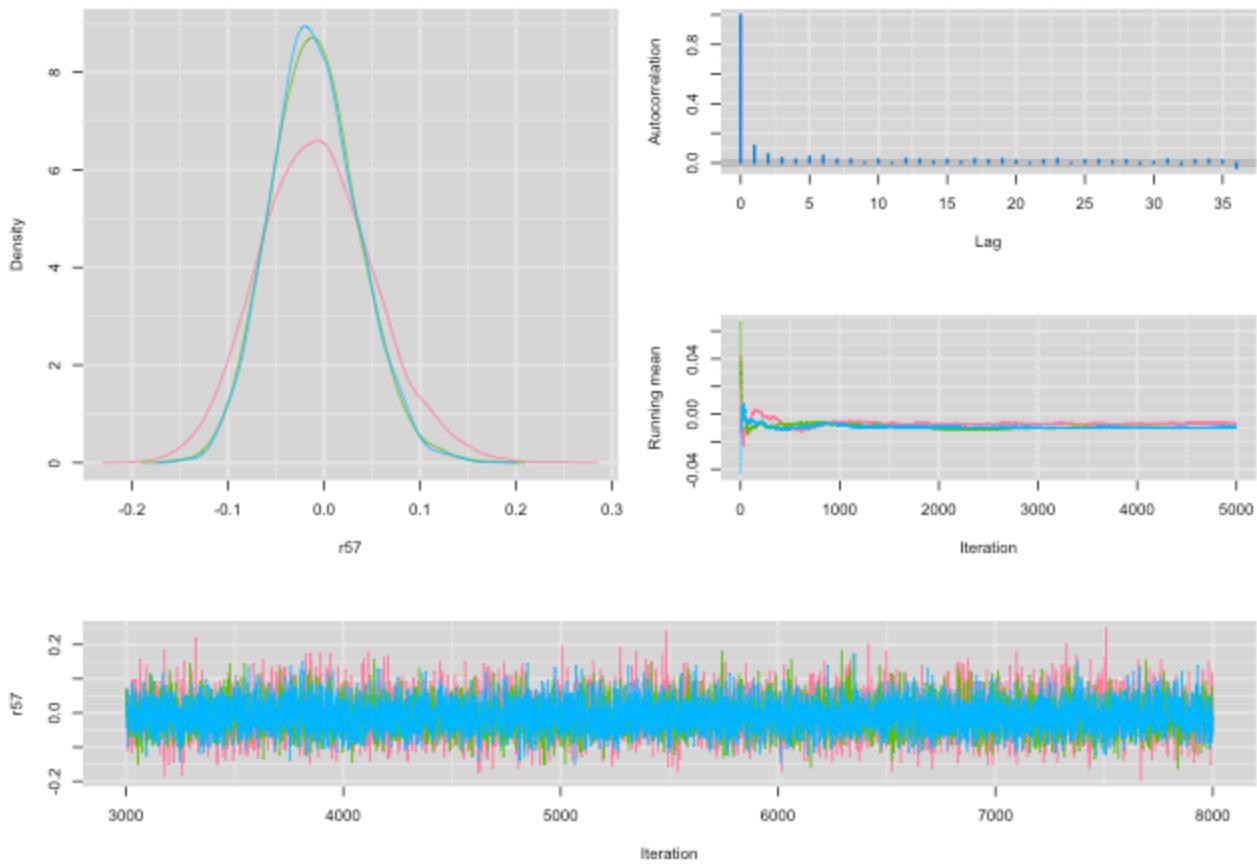
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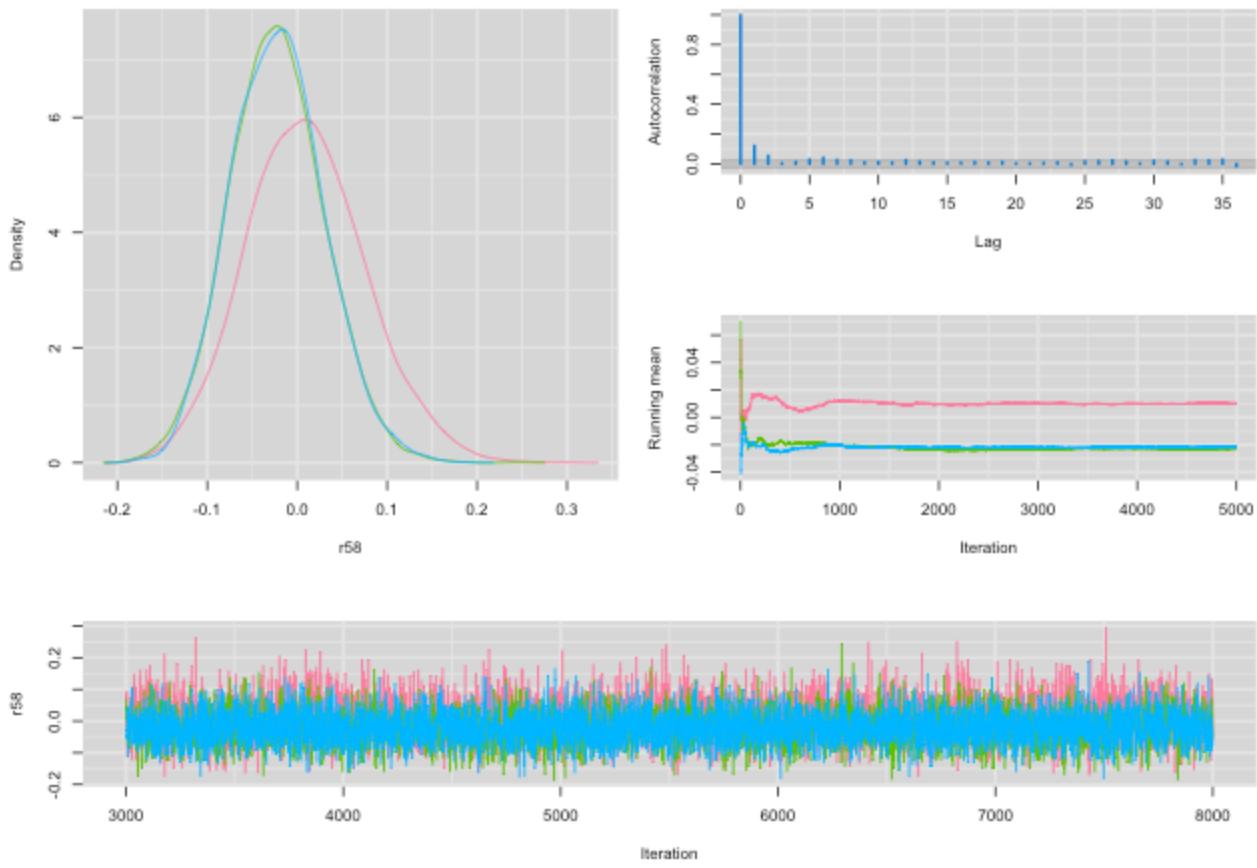
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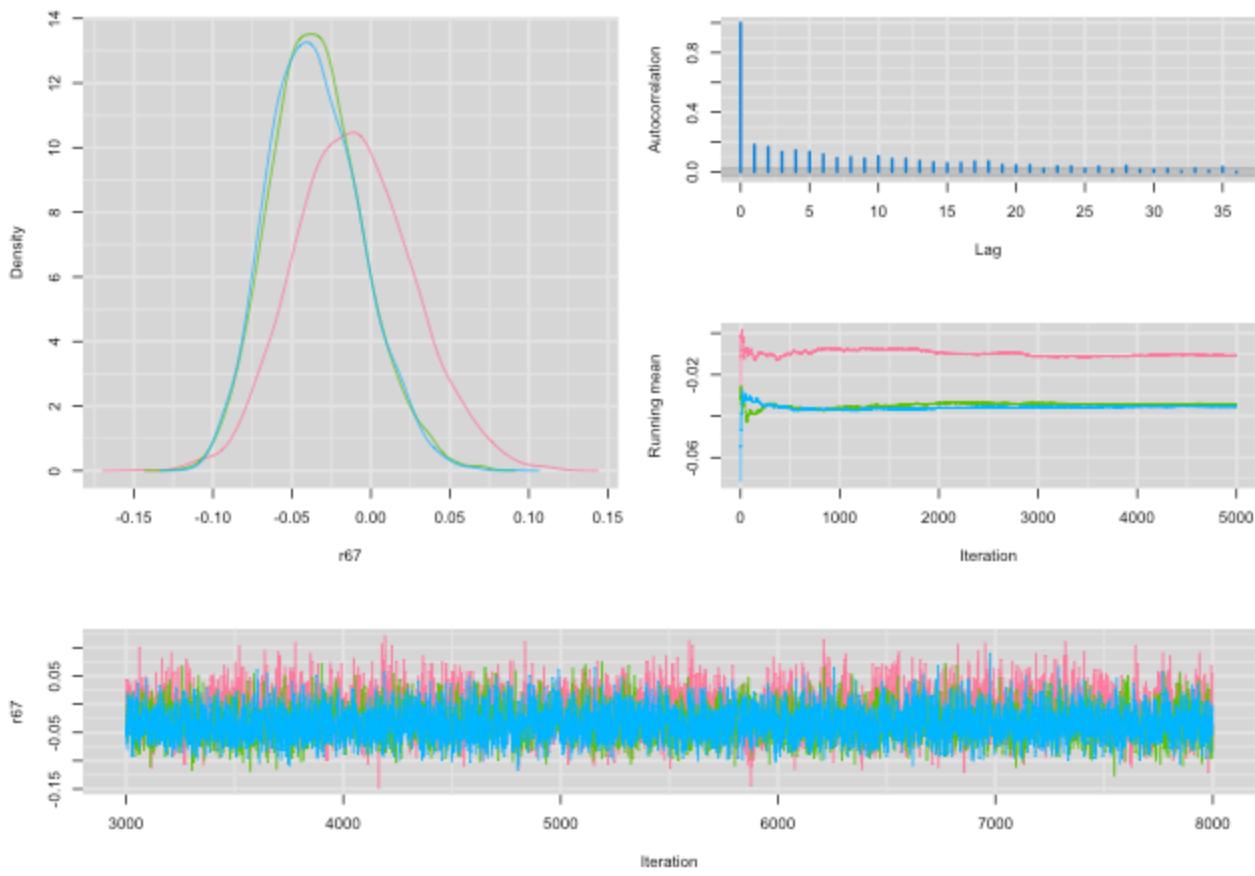
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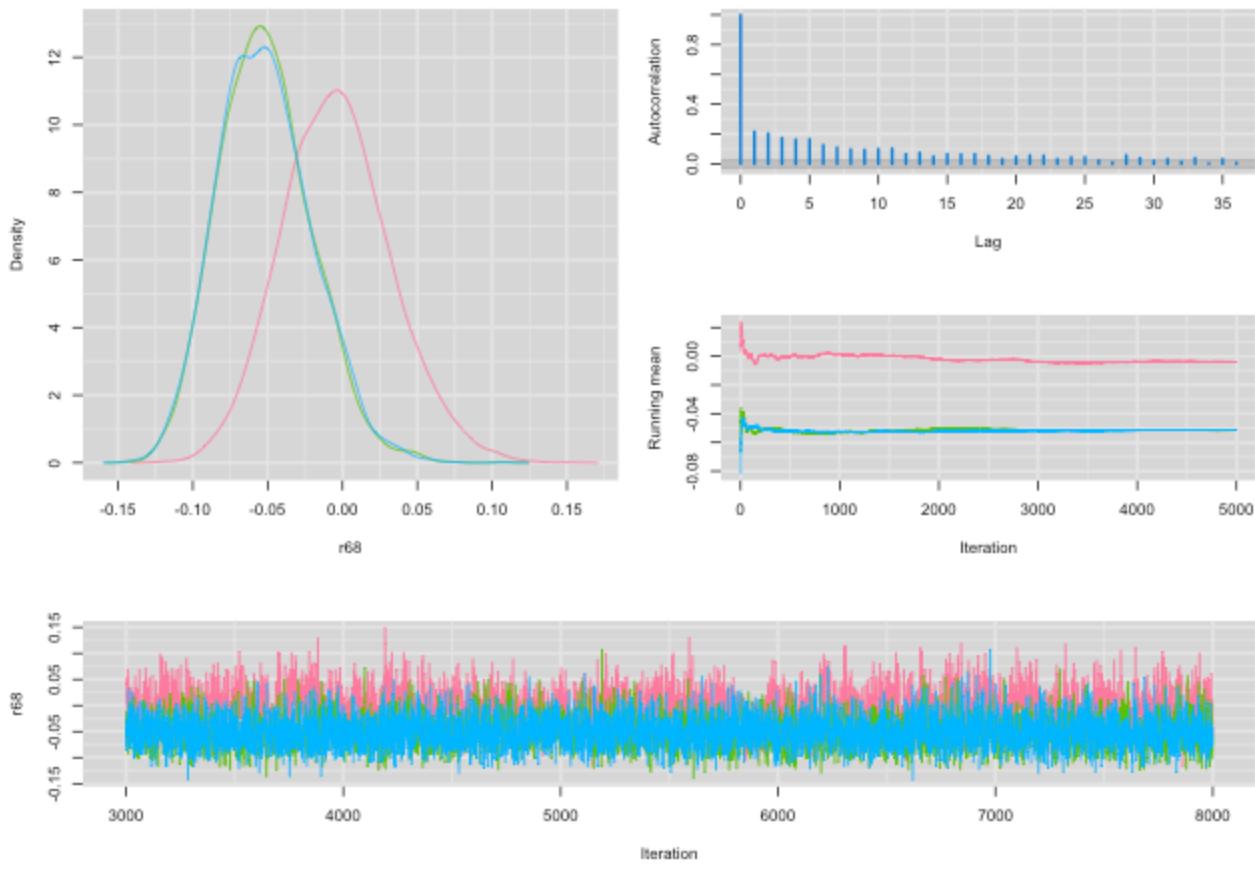
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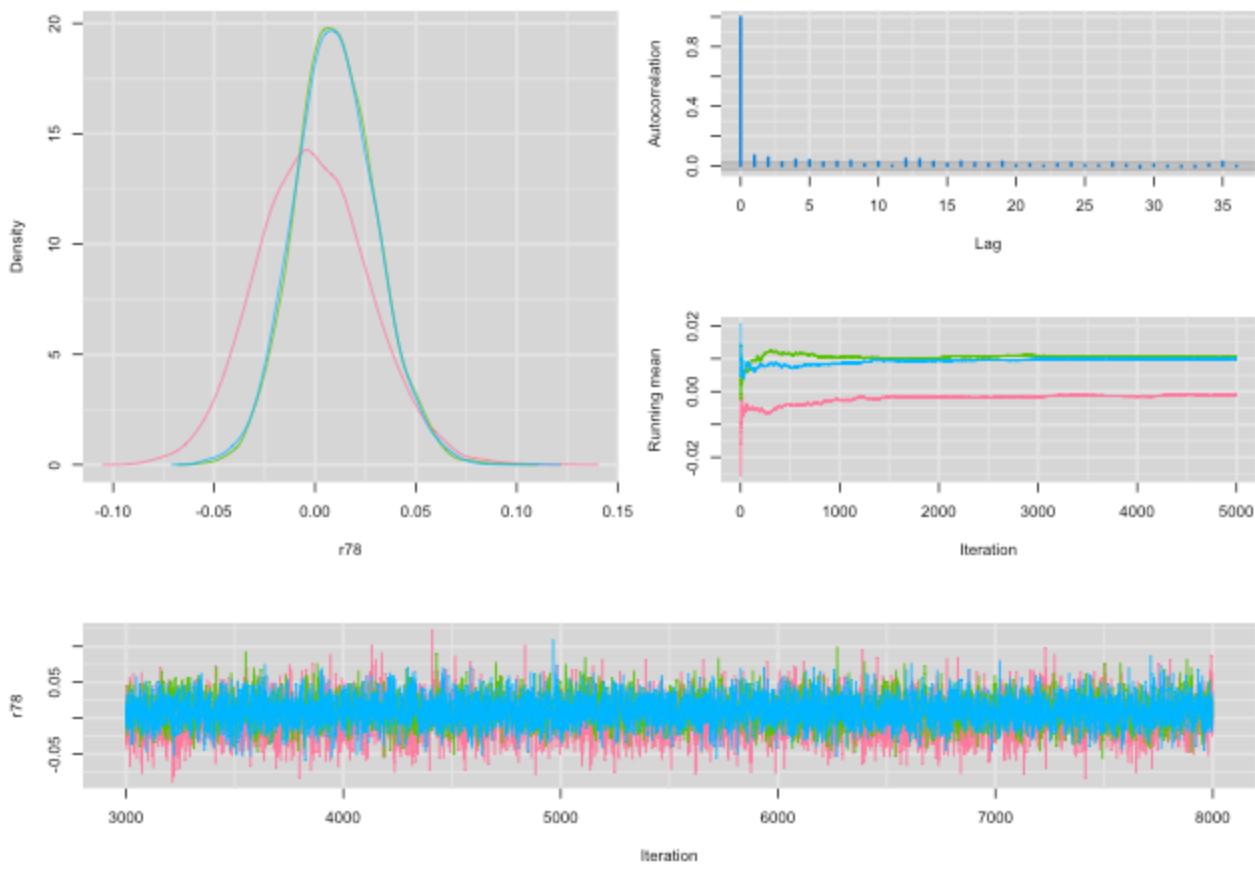
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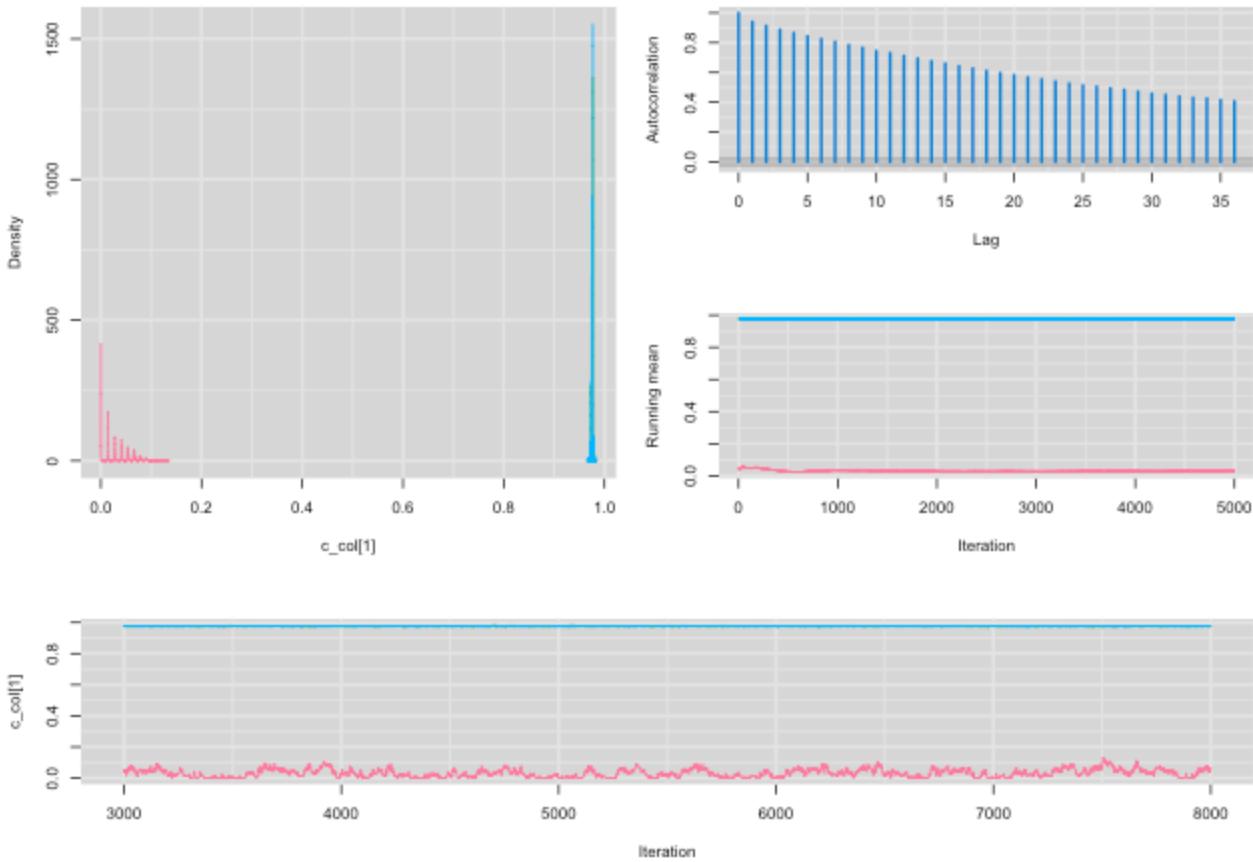
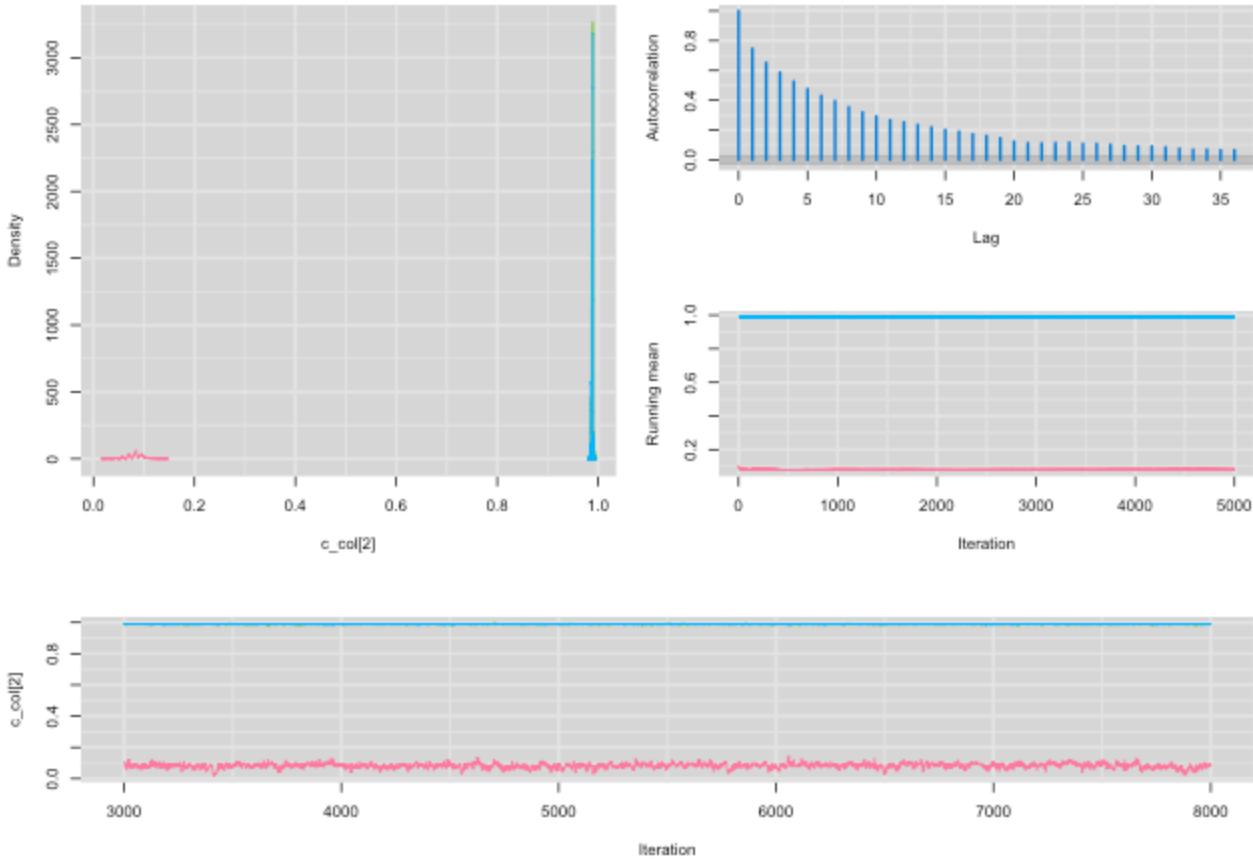
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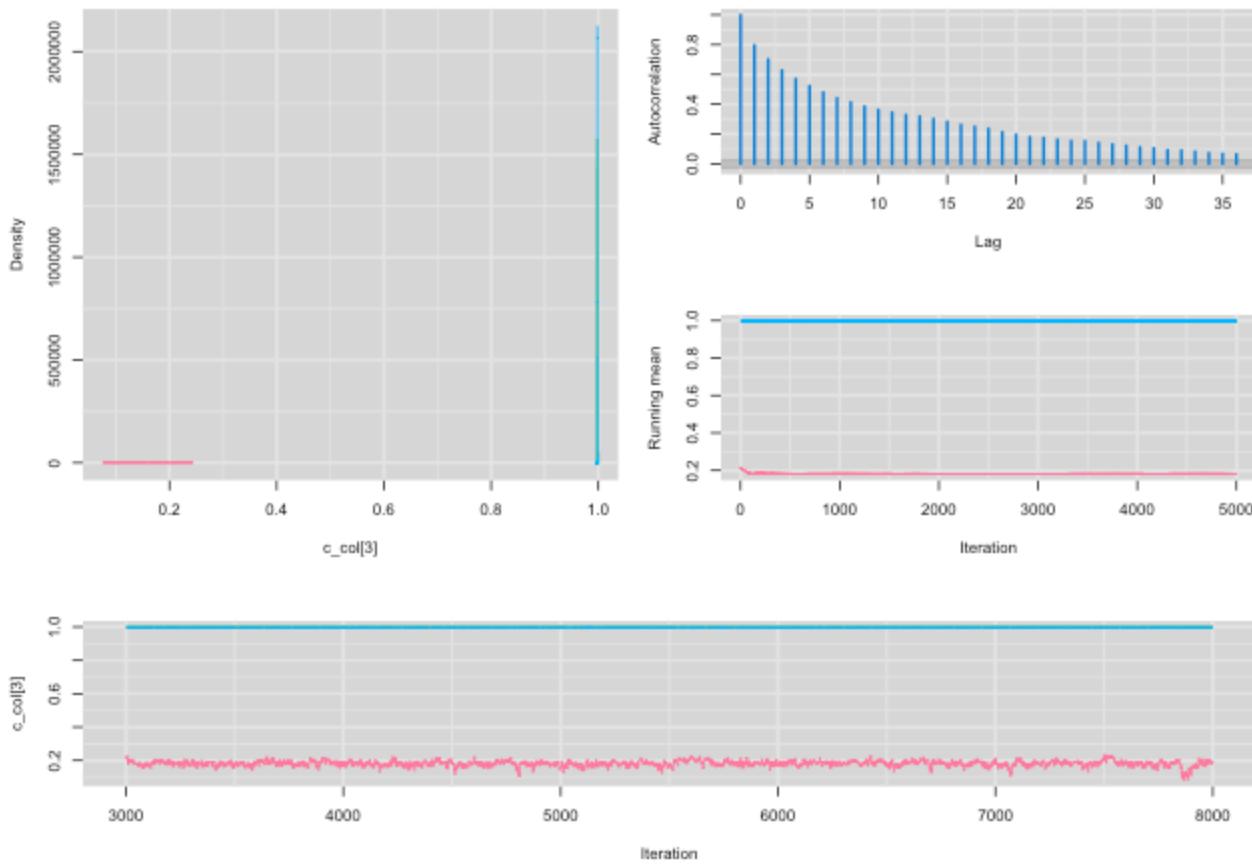
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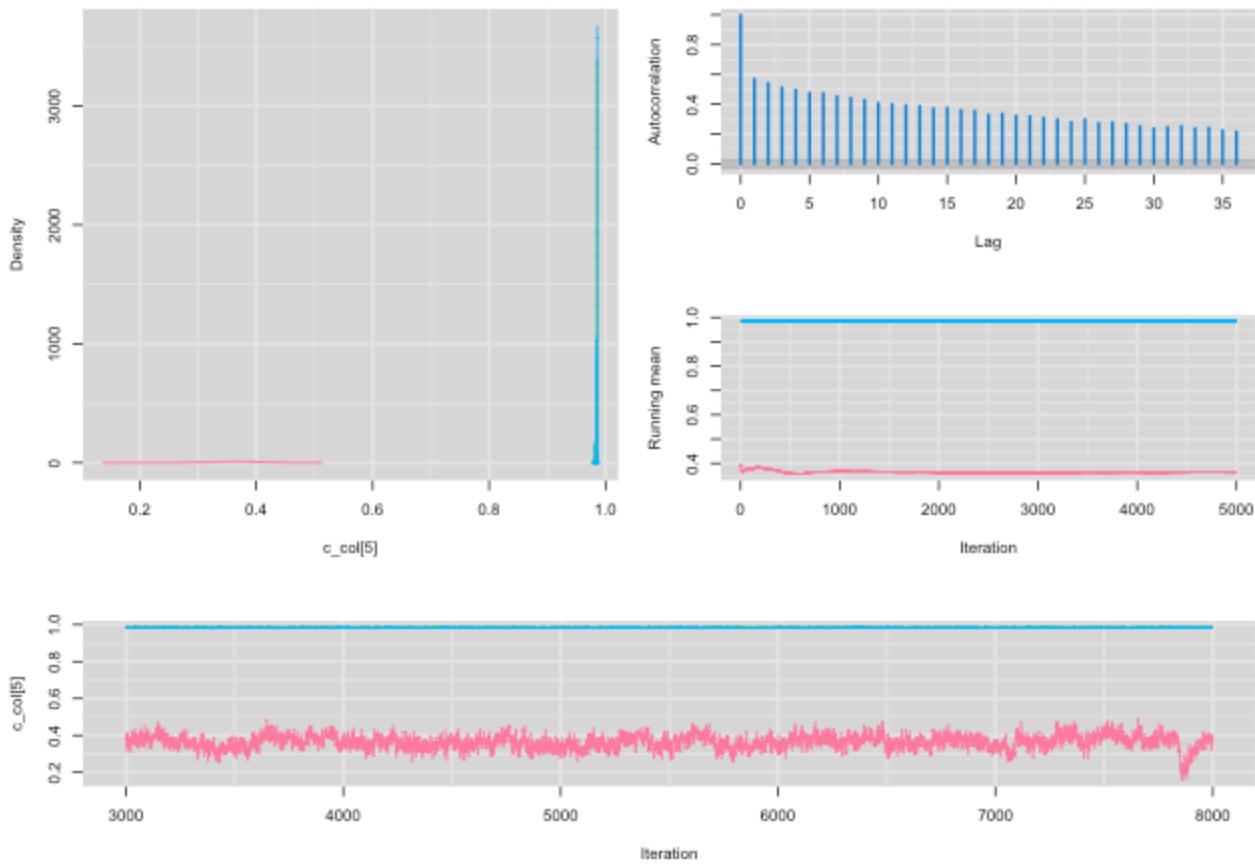
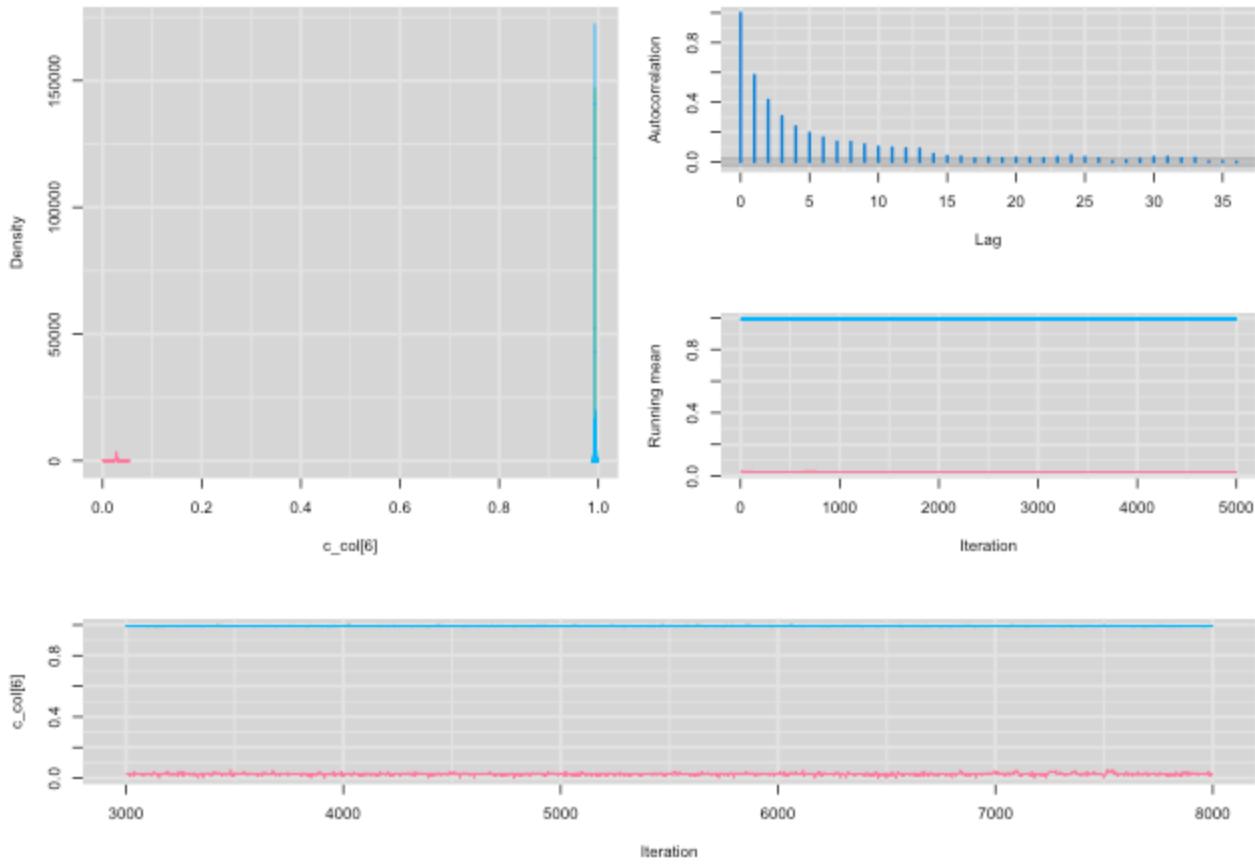
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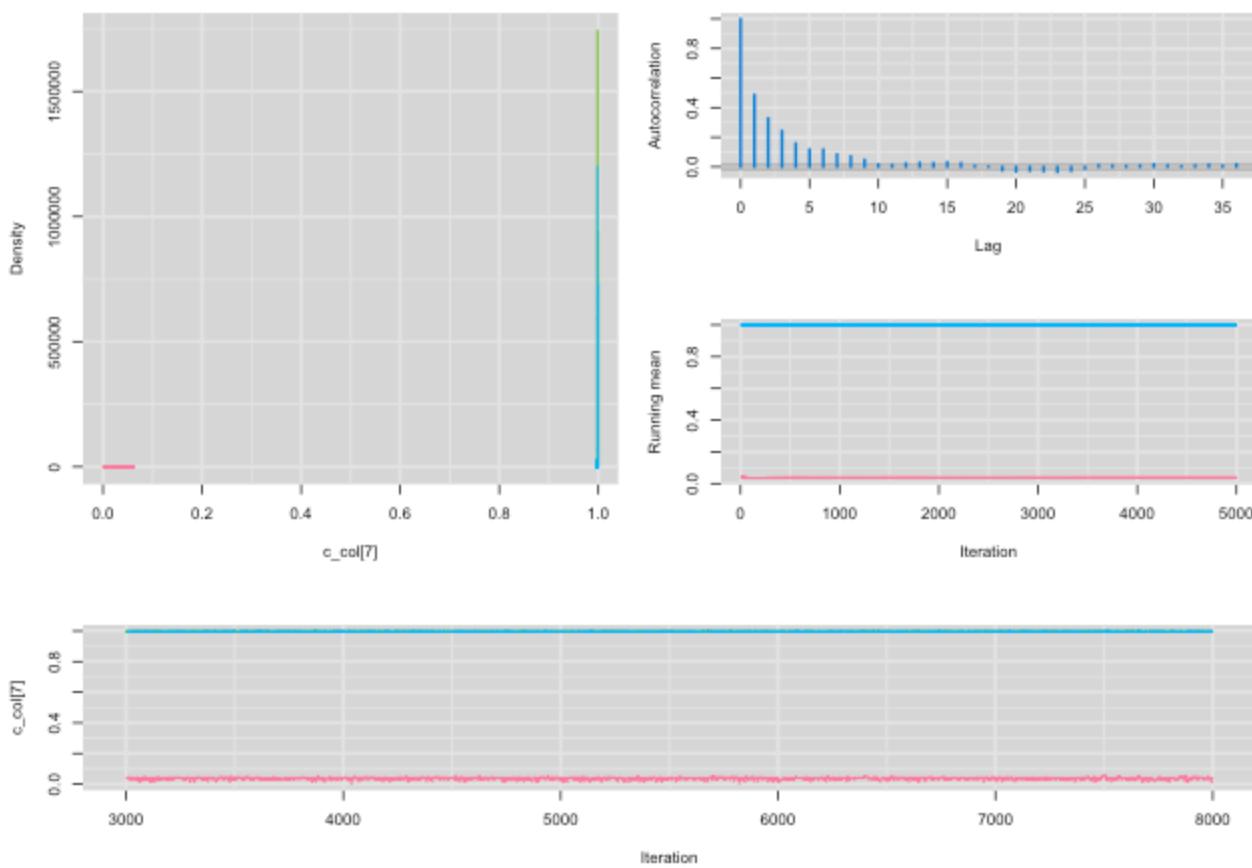
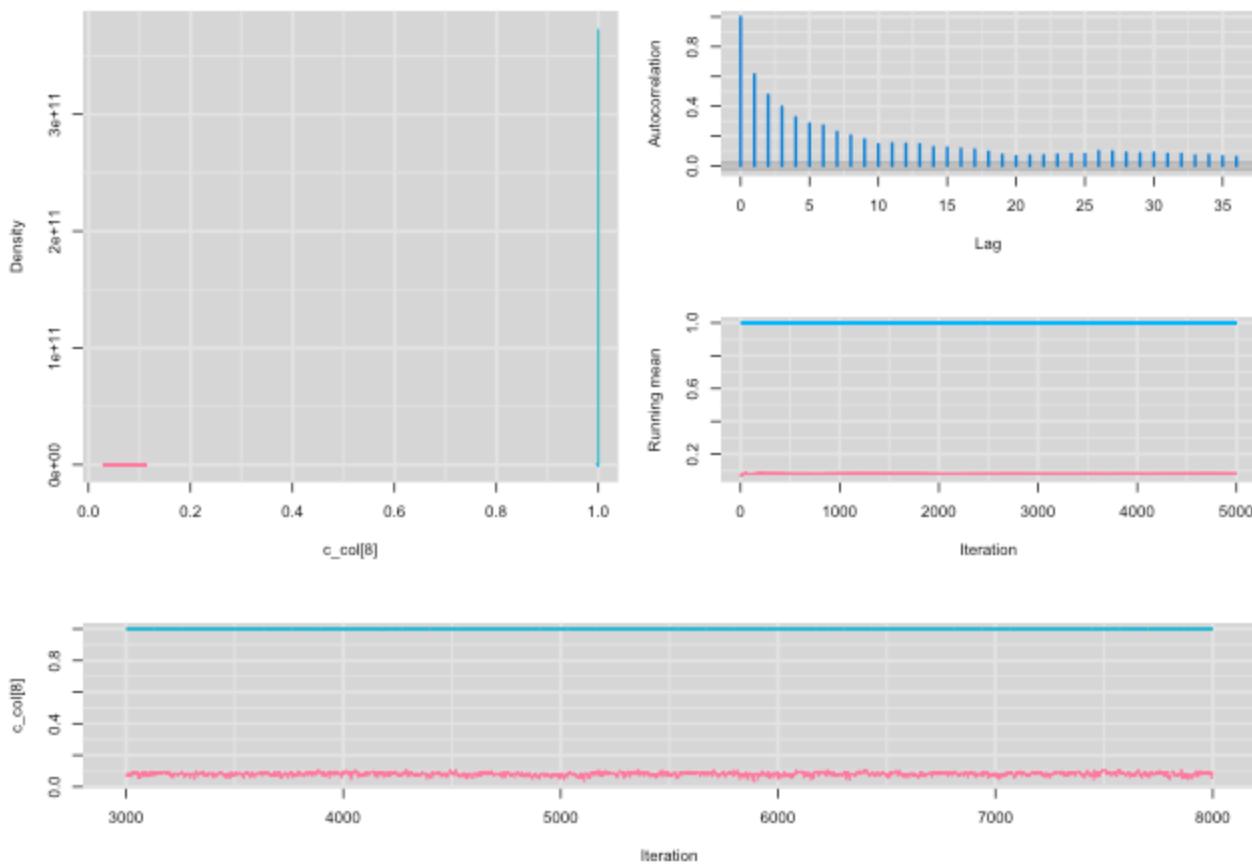
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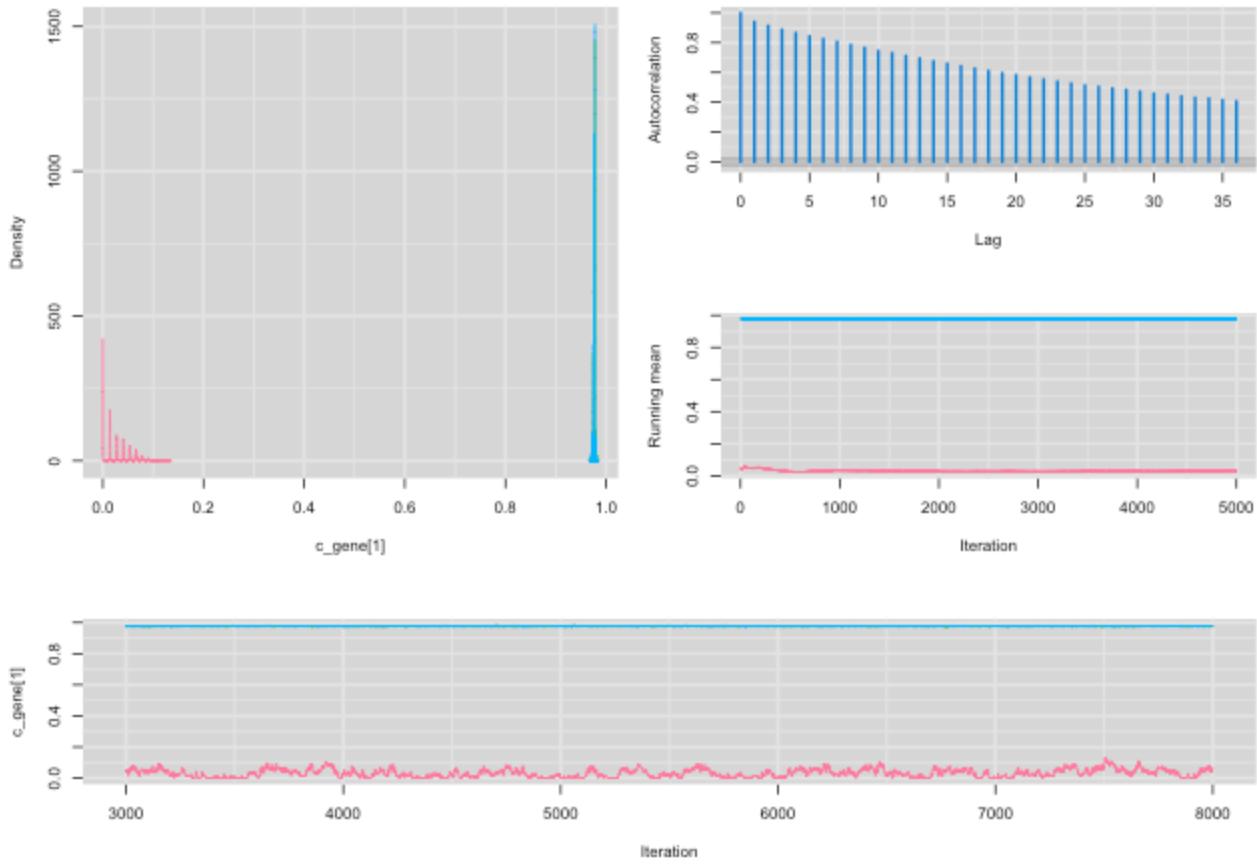
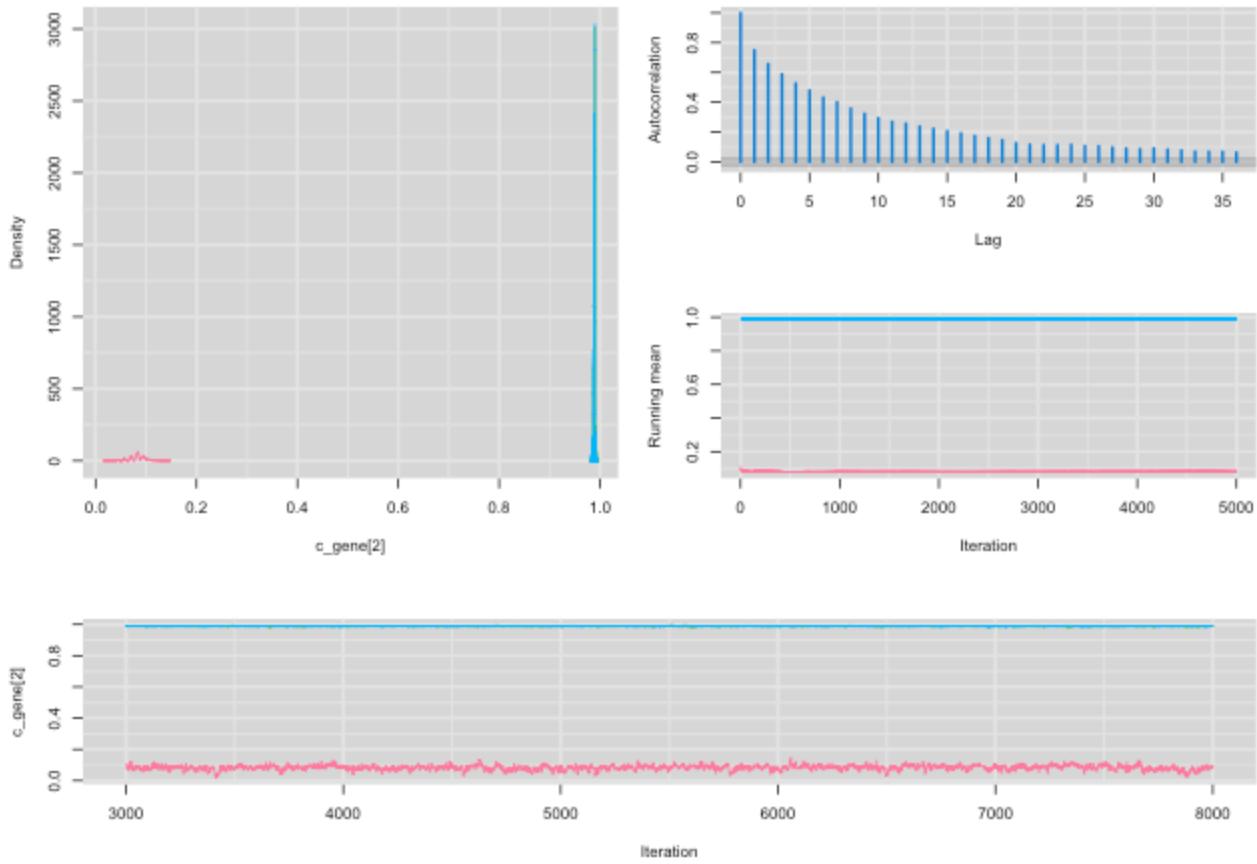
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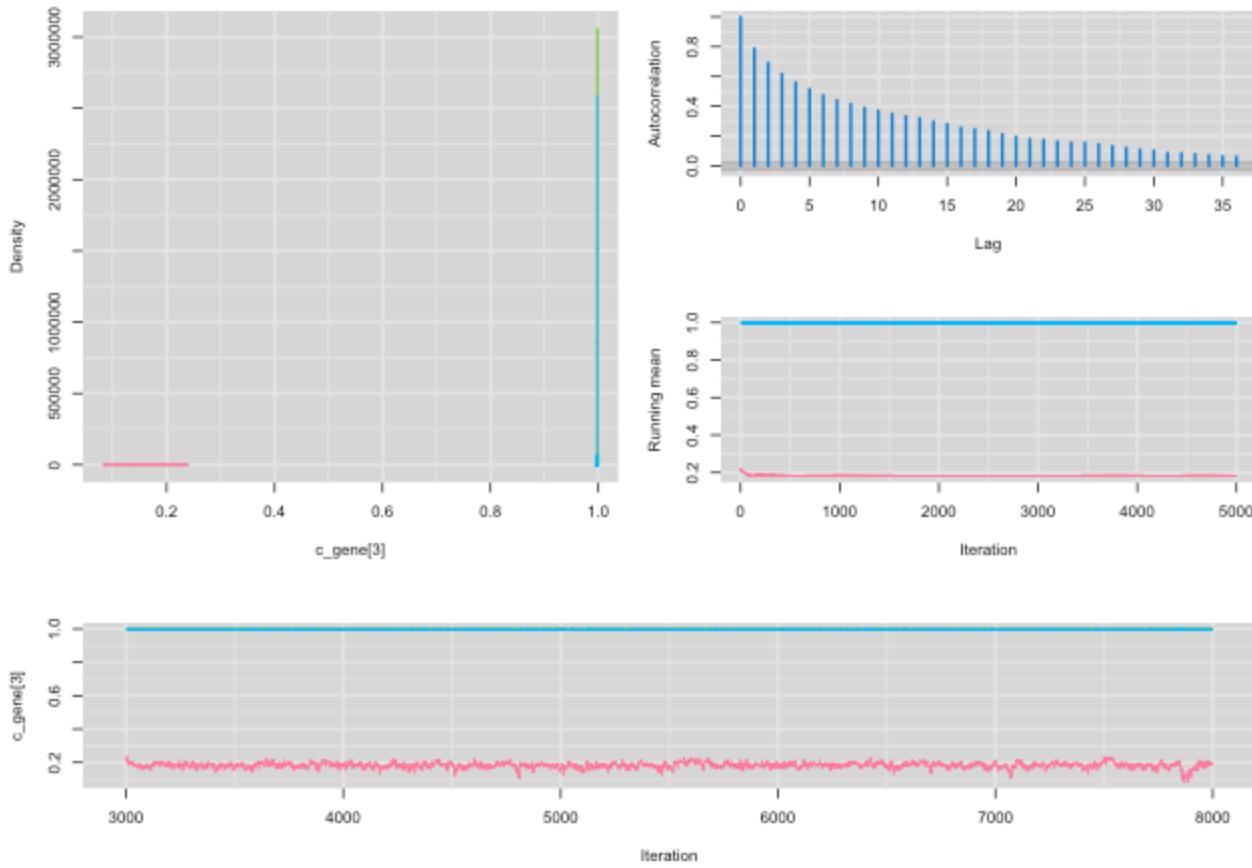
Diagnostics for c_col[3]

`c_col[4]`. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD

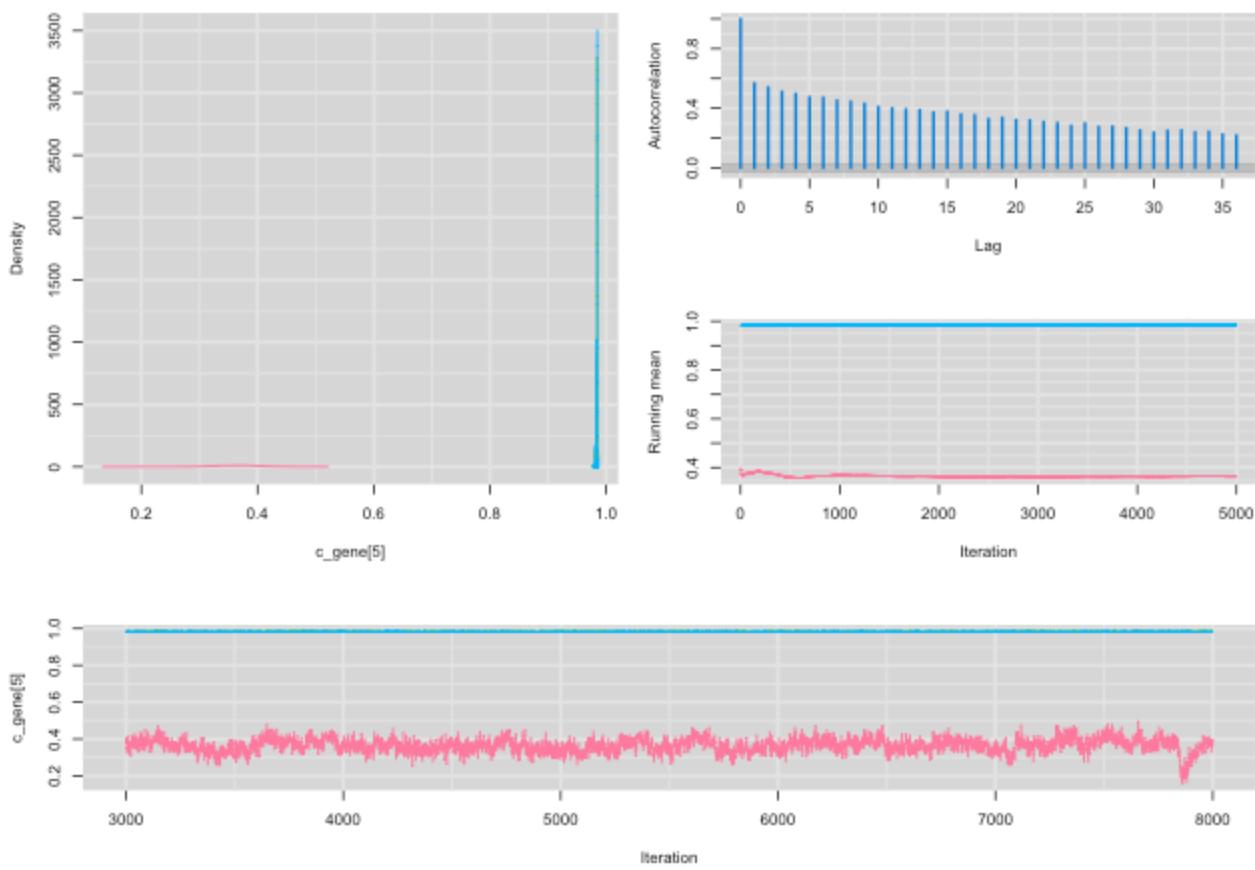
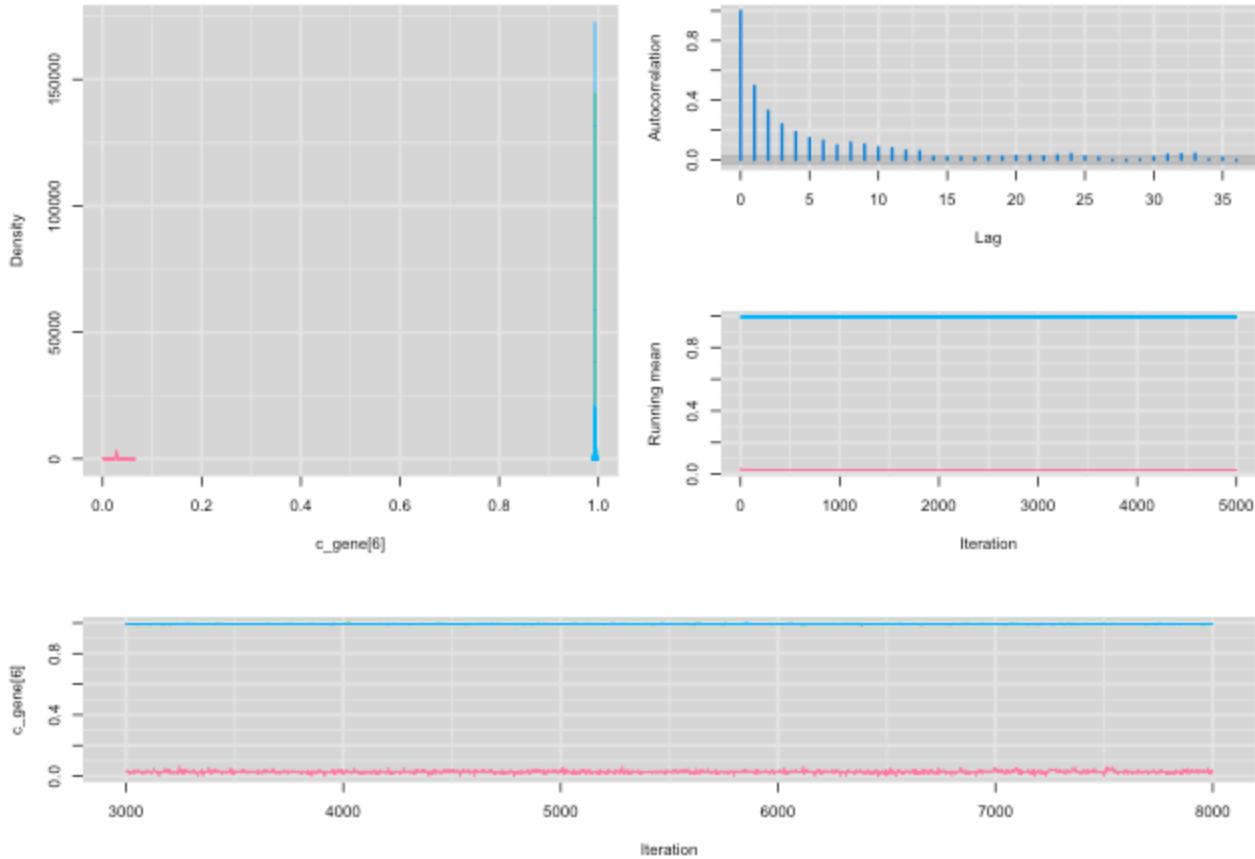
Diagnostics for c_col[5]**Diagnostics for c_col[6]**

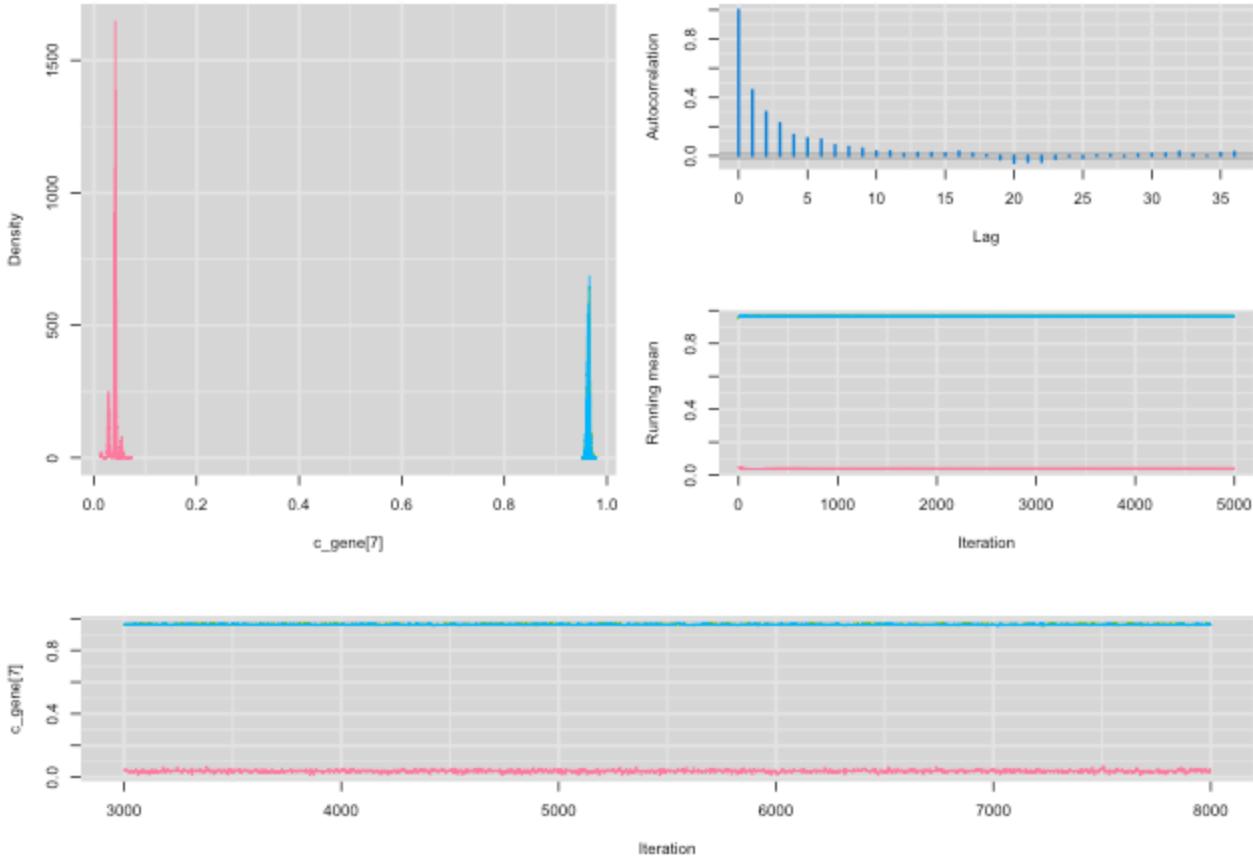
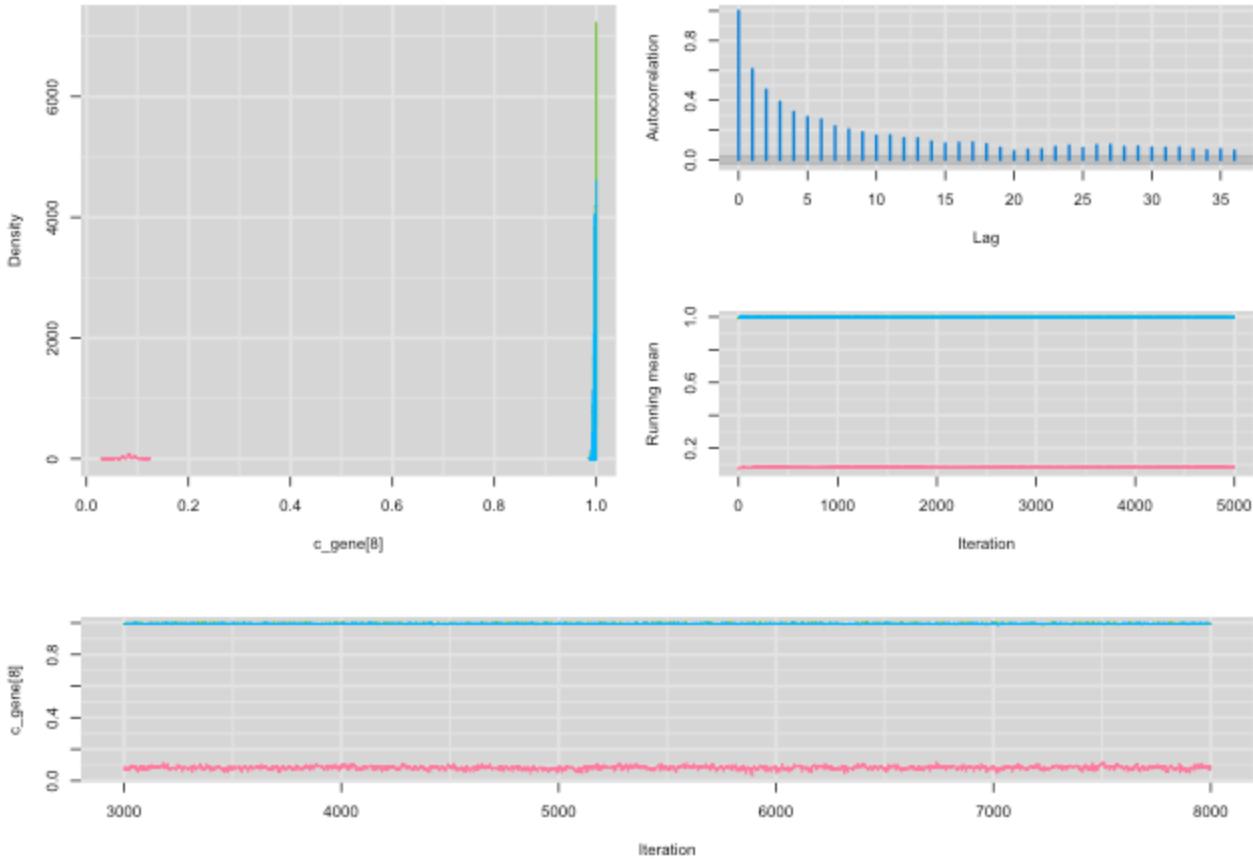
Diagnostics for c_col[7]**Diagnostics for c_col[8]**

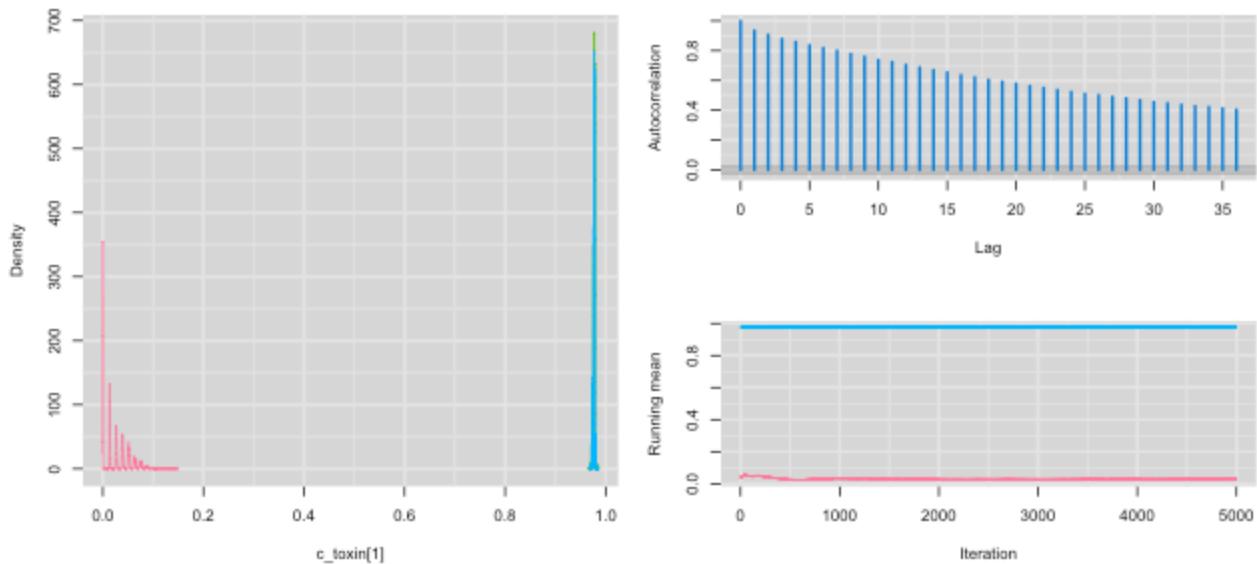
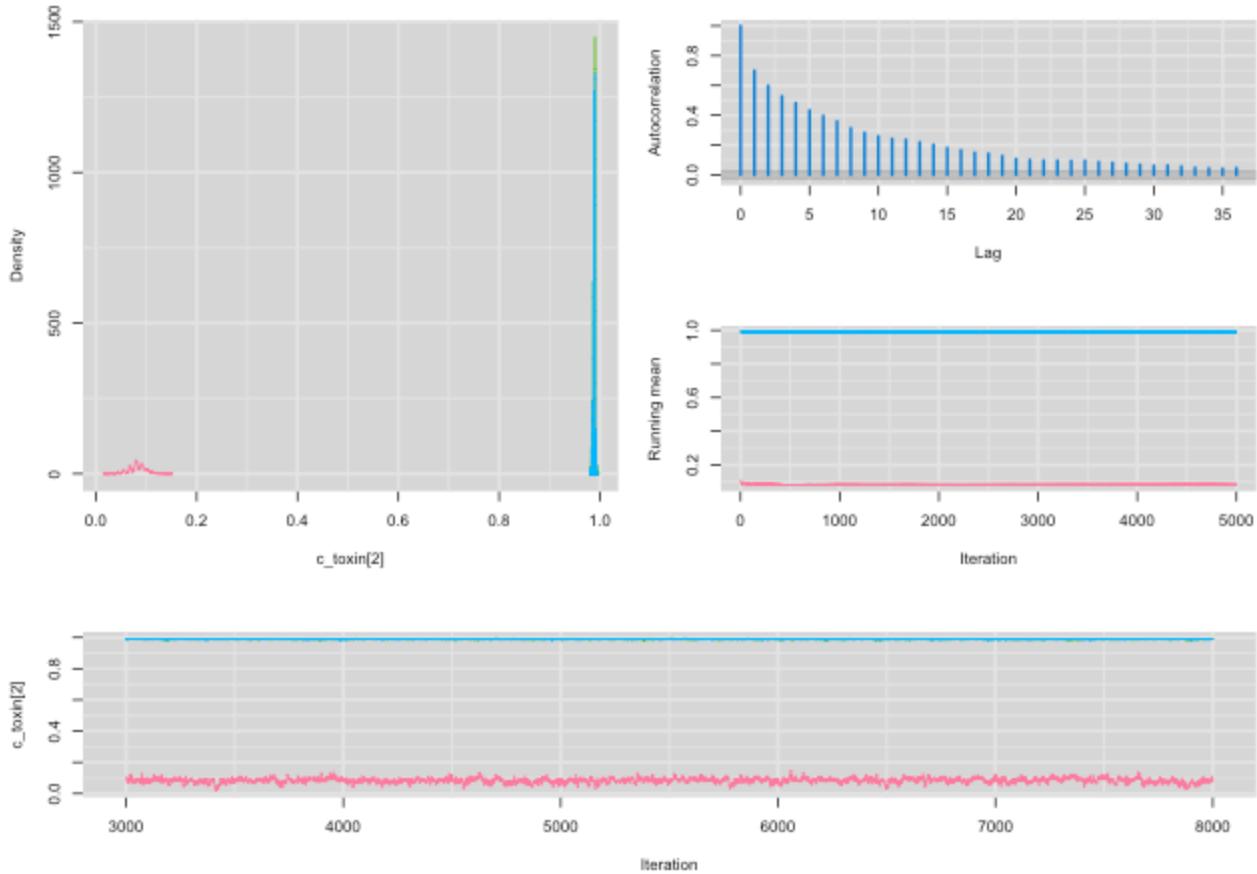
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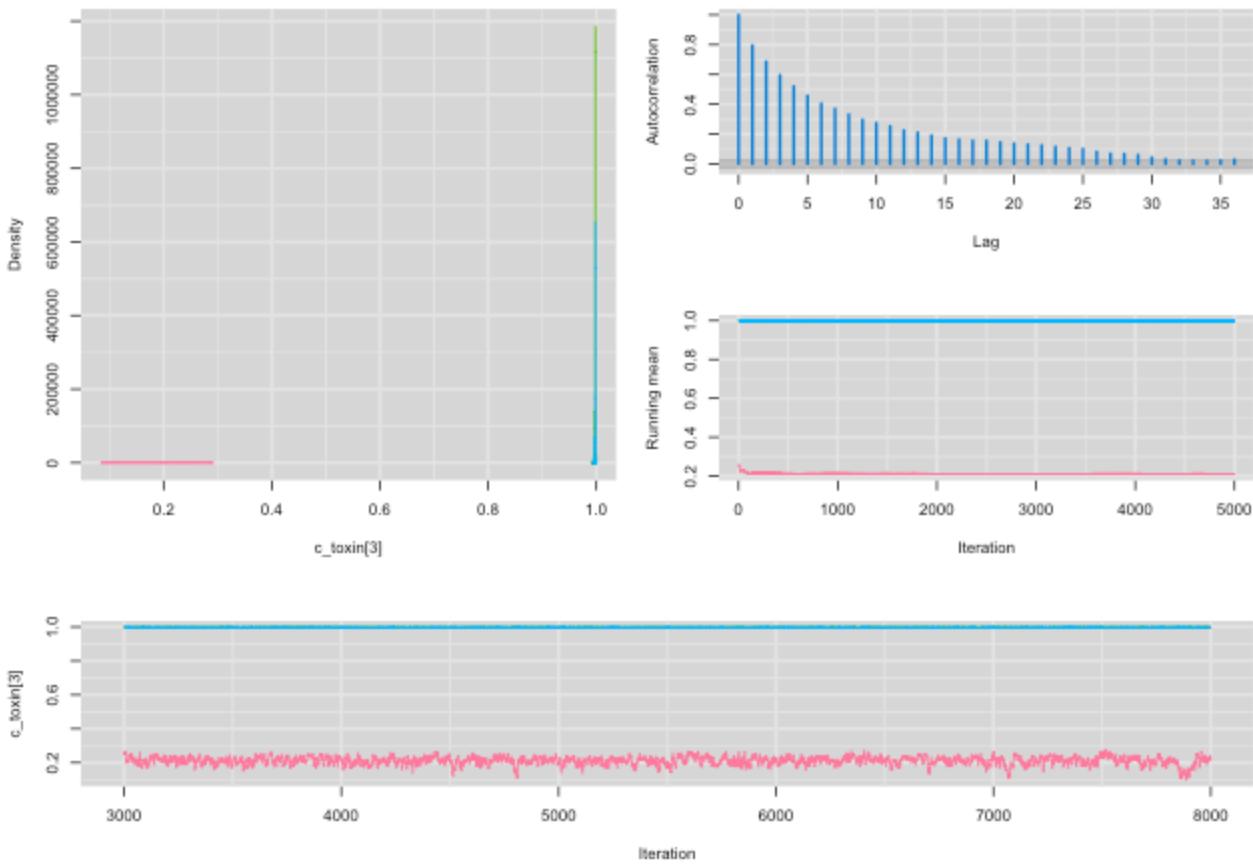
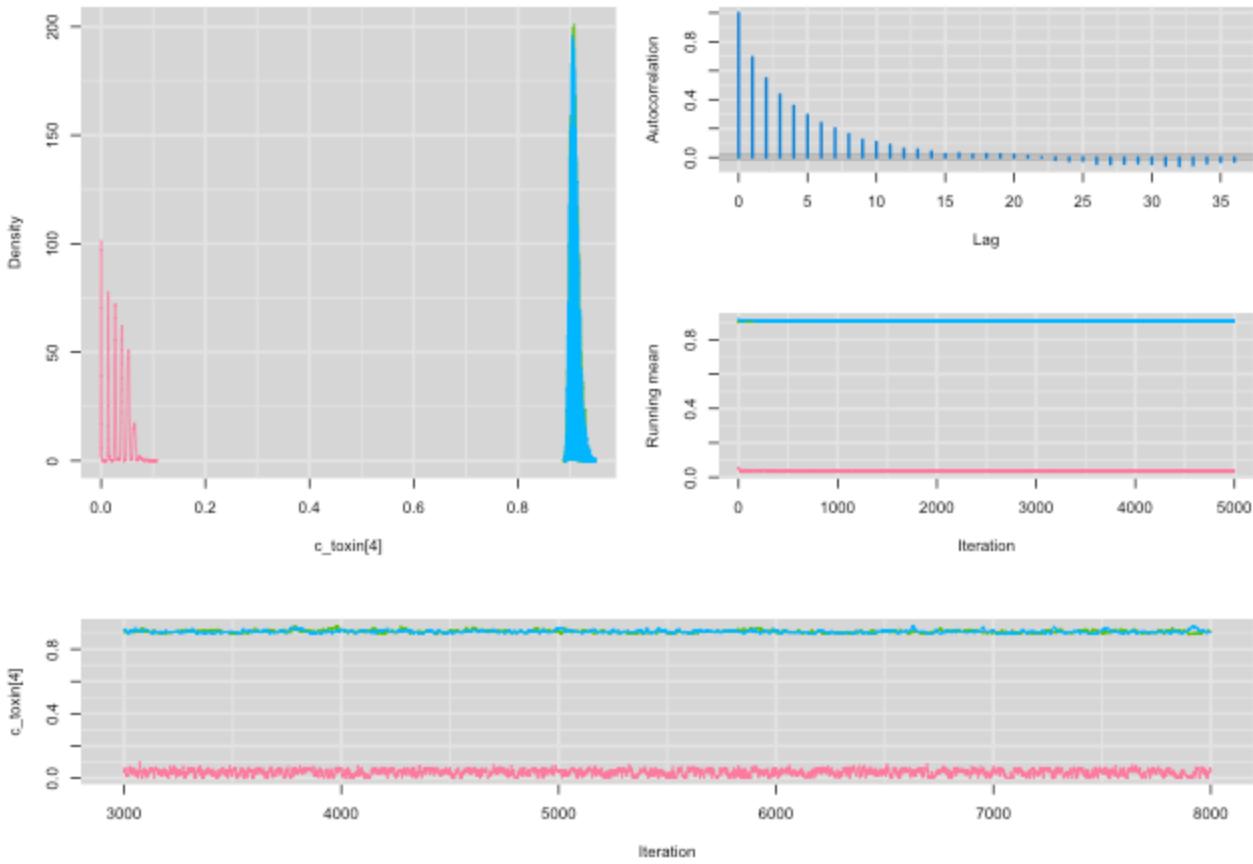
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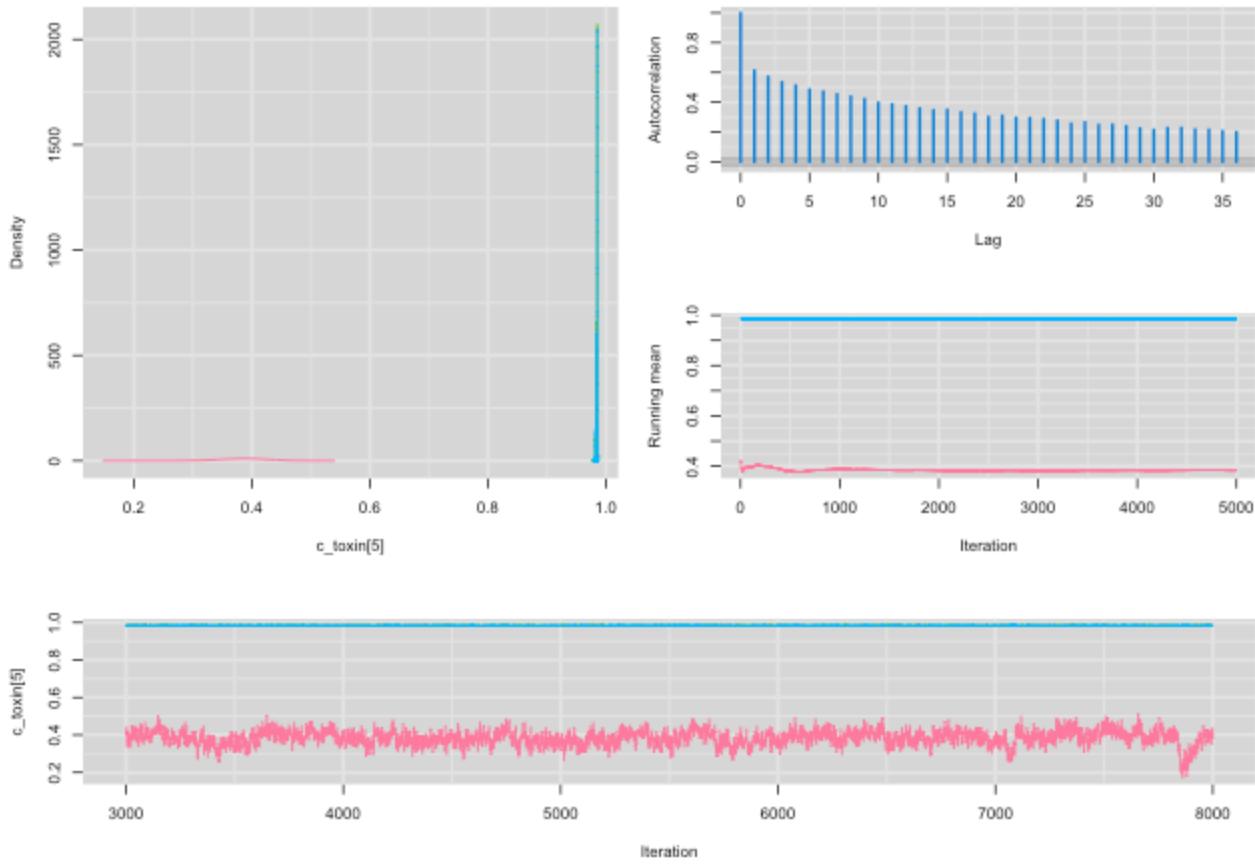
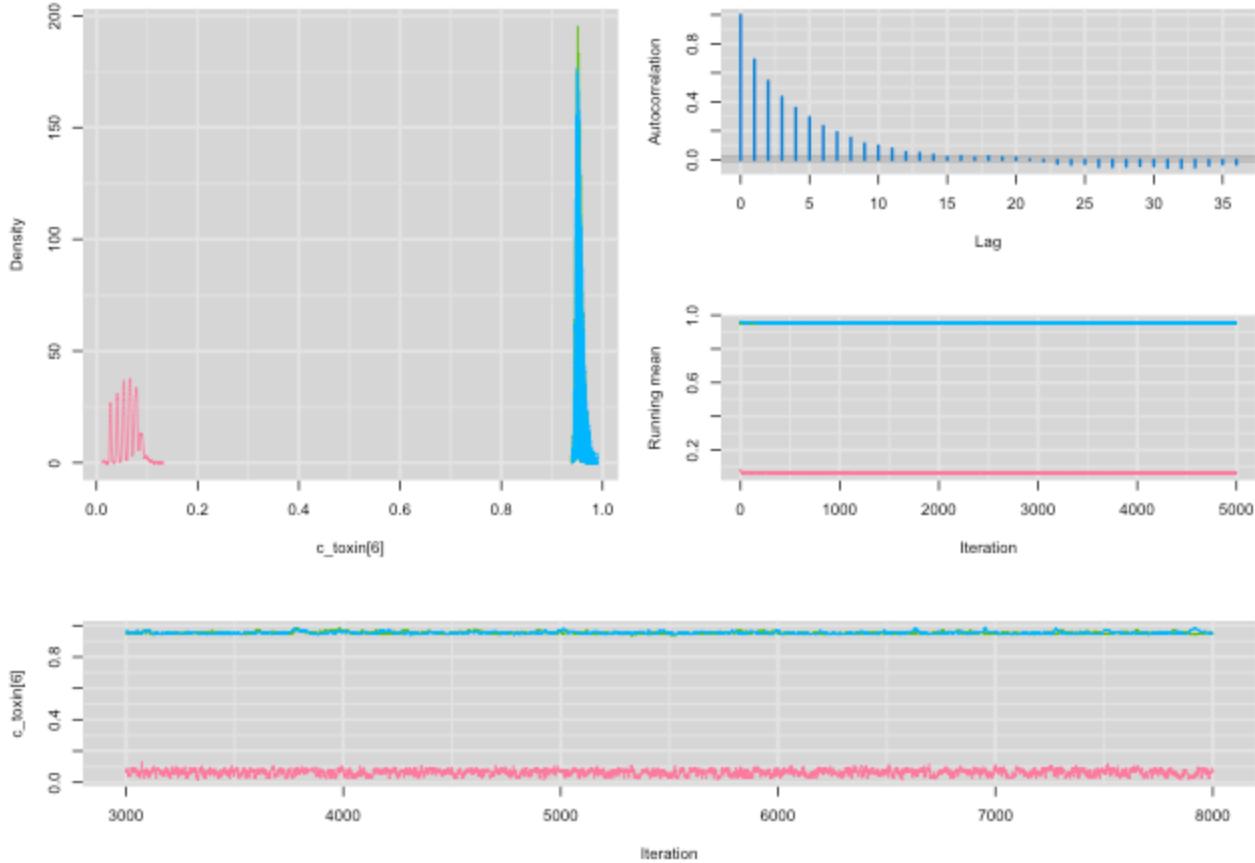
$c_{\text{gene}}[4]$. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD

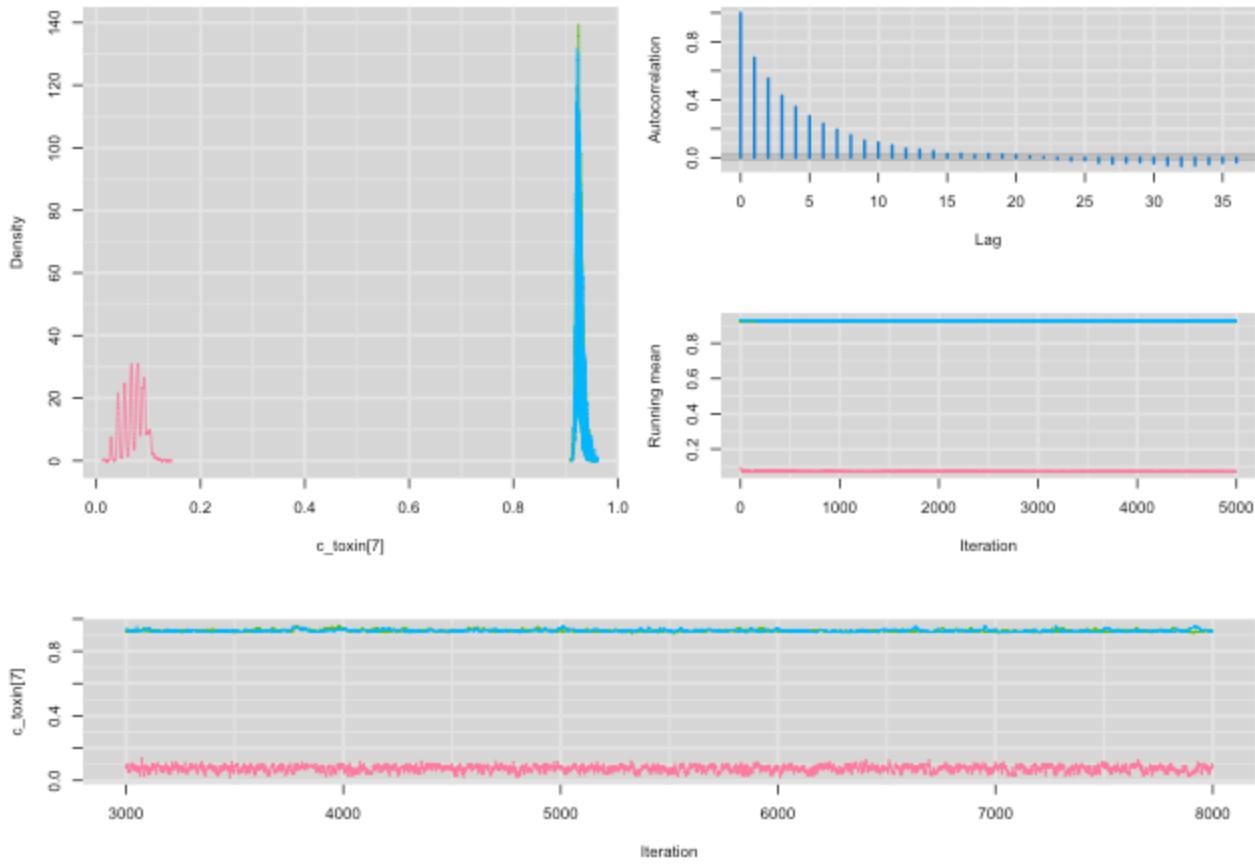
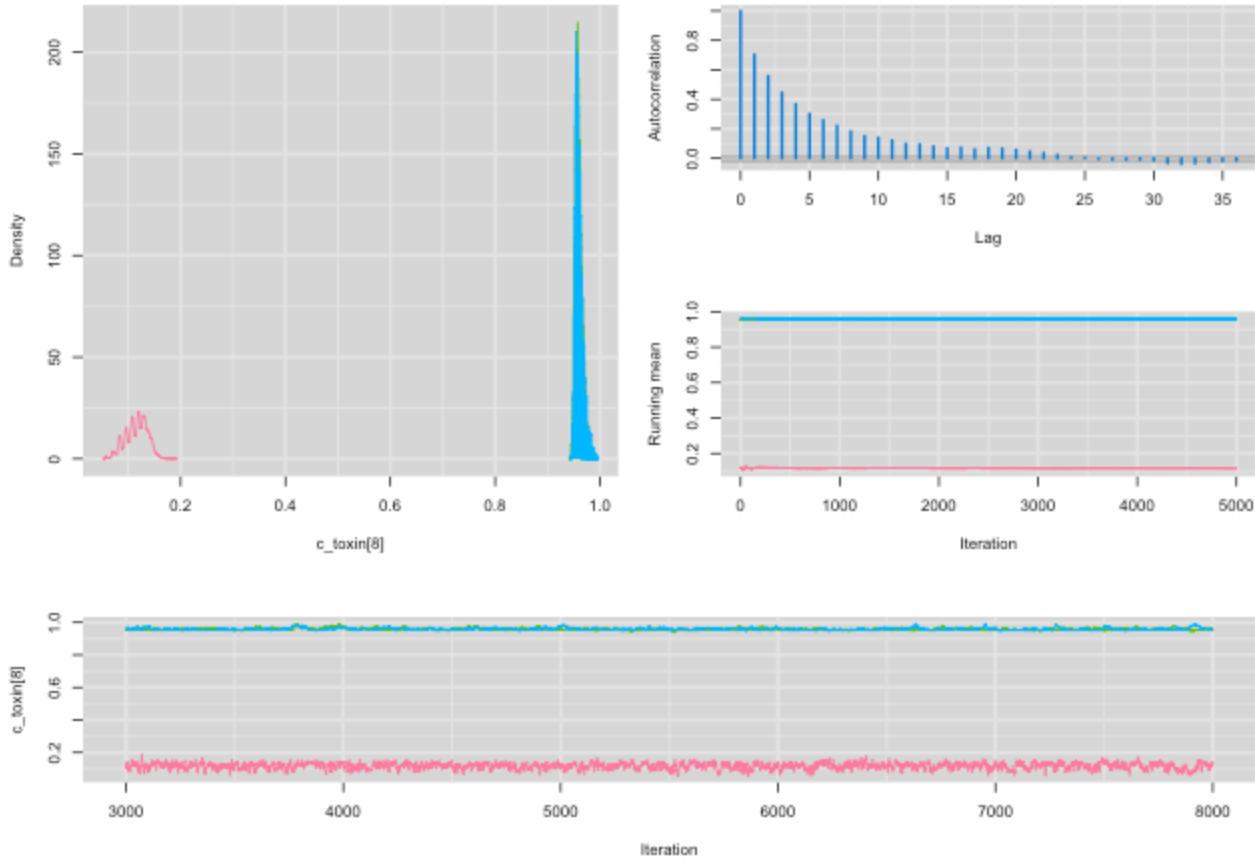
Diagnostics for c_gene[5]**Diagnostics for c_gene[6]**

Diagnostics for c_gene[7]**Diagnostics for c_gene[8]**

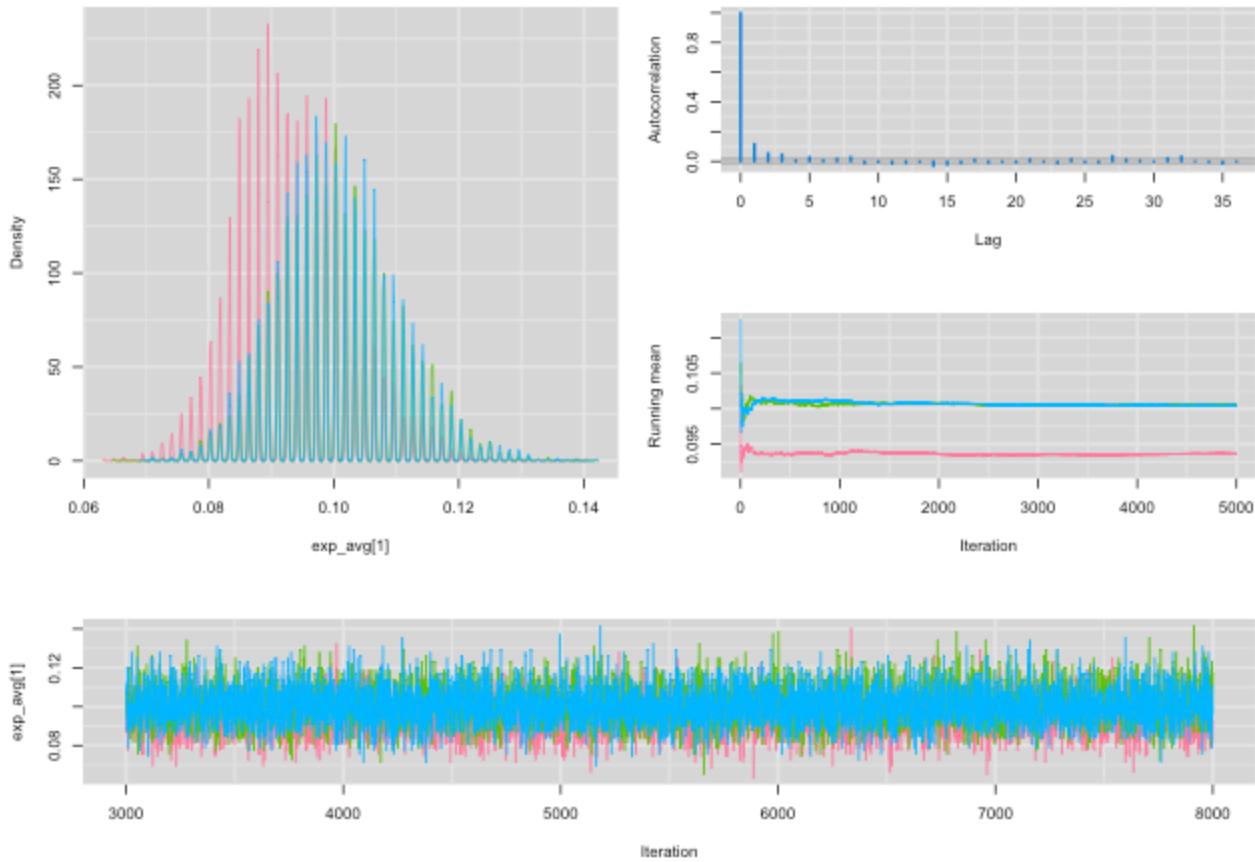
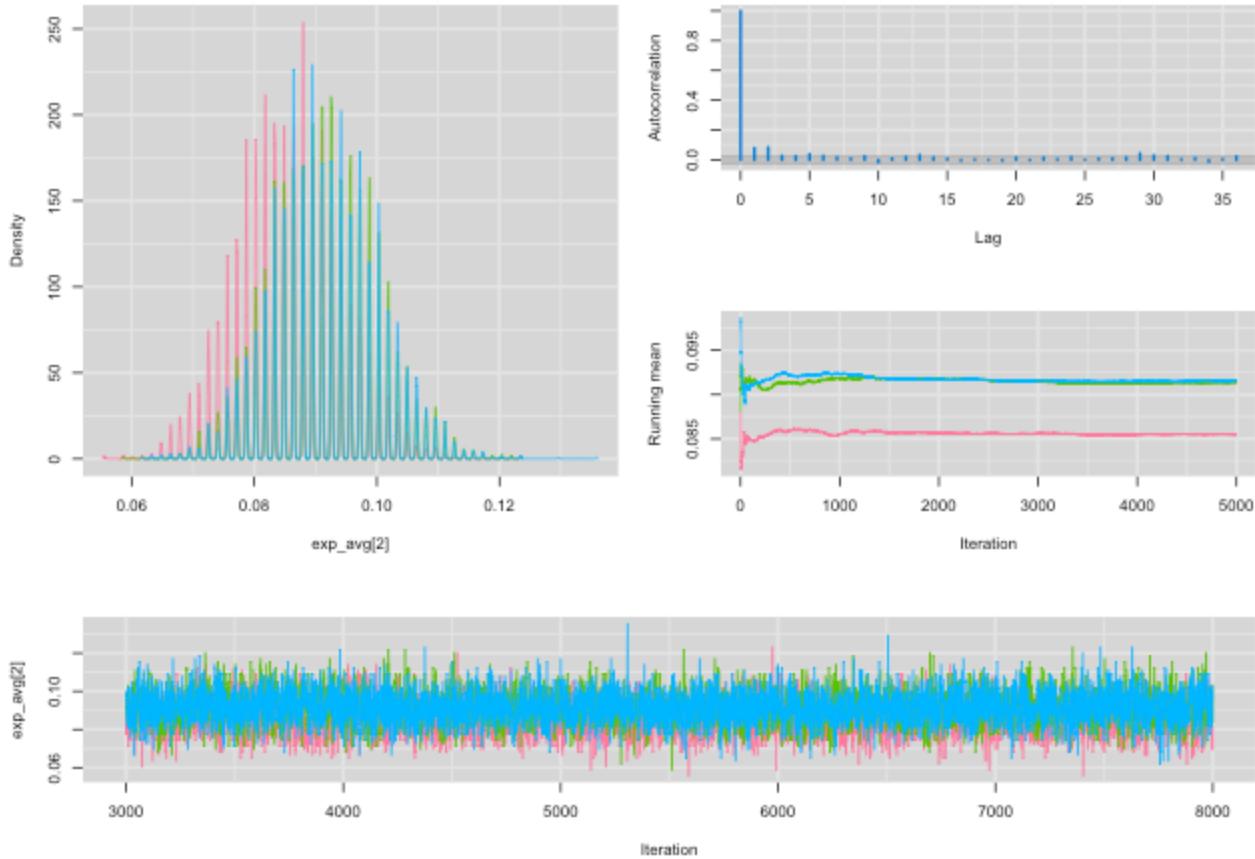
Diagnostics for $c_{\text{toxin}}[1]$ **Diagnostics for $c_{\text{toxin}}[2]$** 

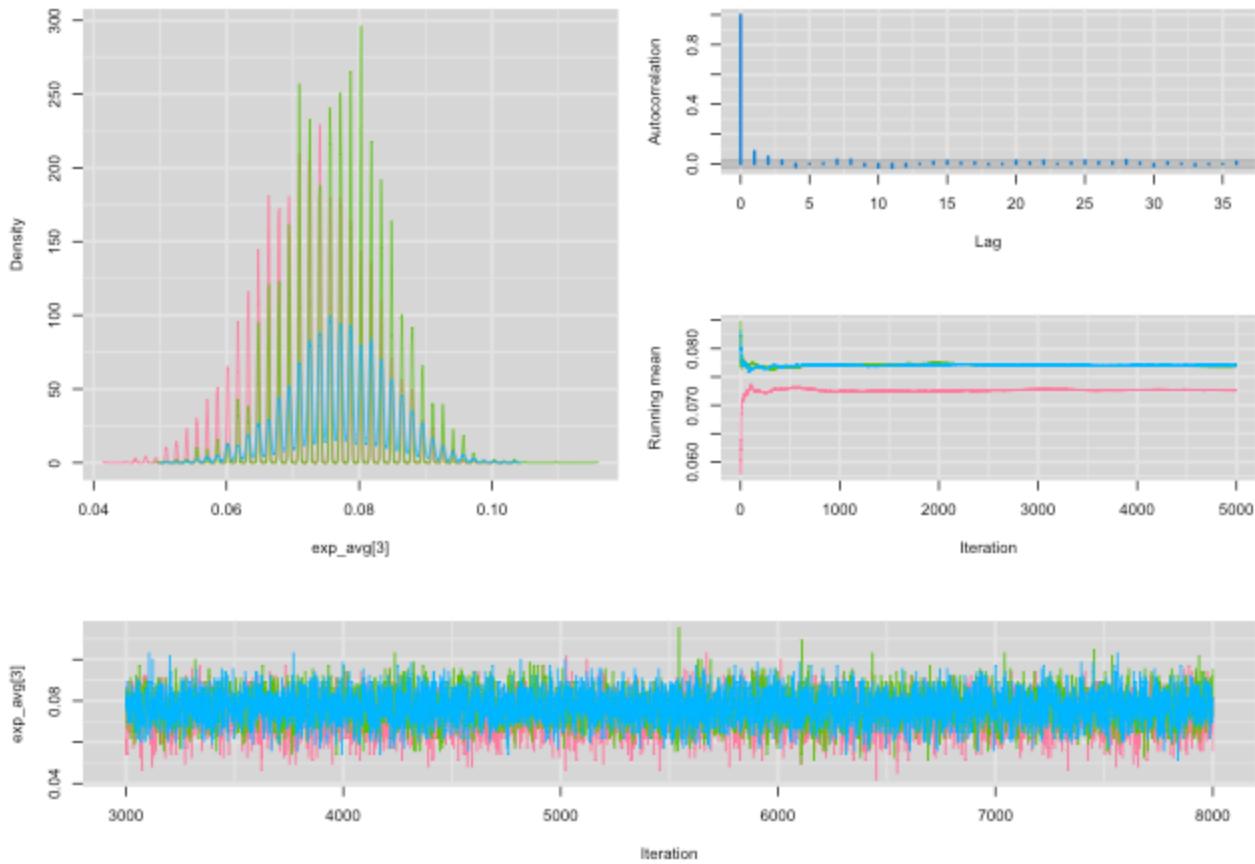
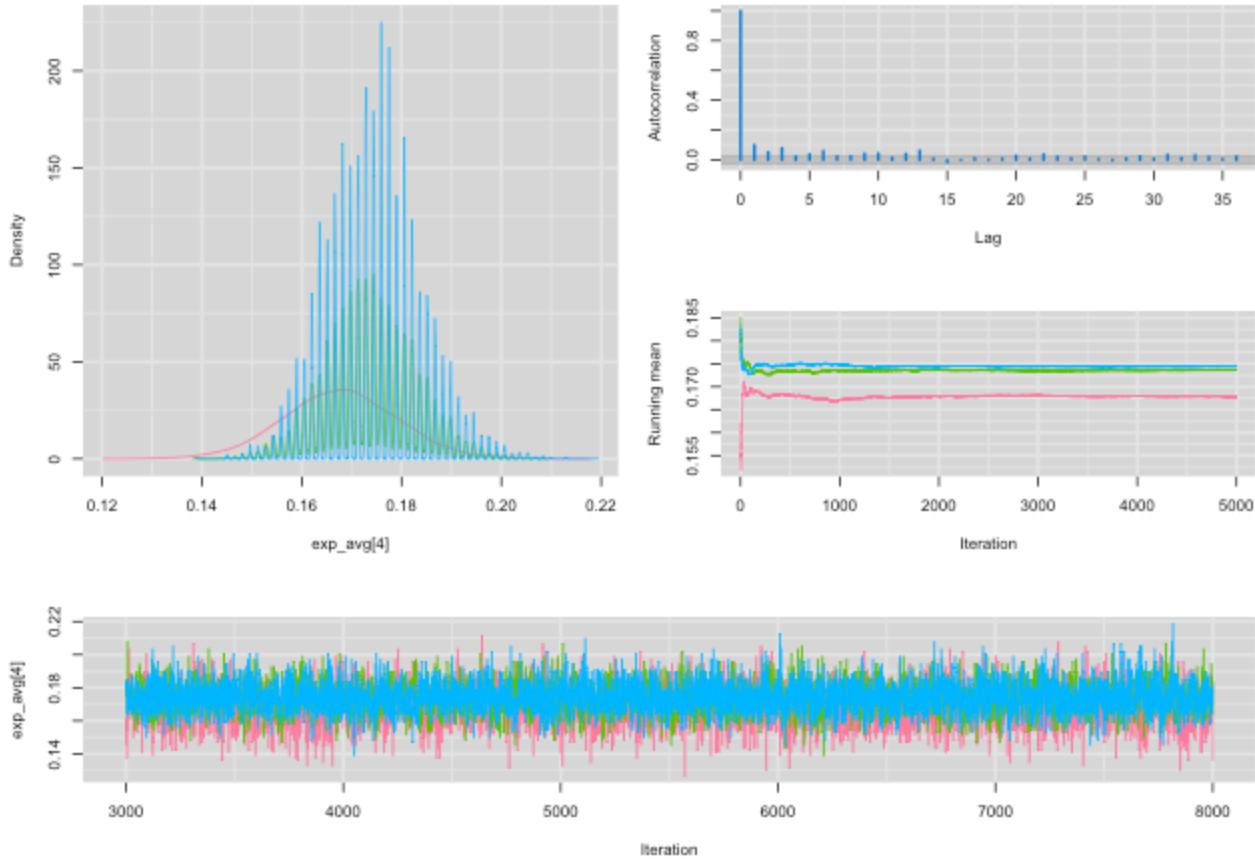
Diagnostics for $c_{\text{toxin}}[3]$ **Diagnostics for $c_{\text{toxin}}[4]$** 

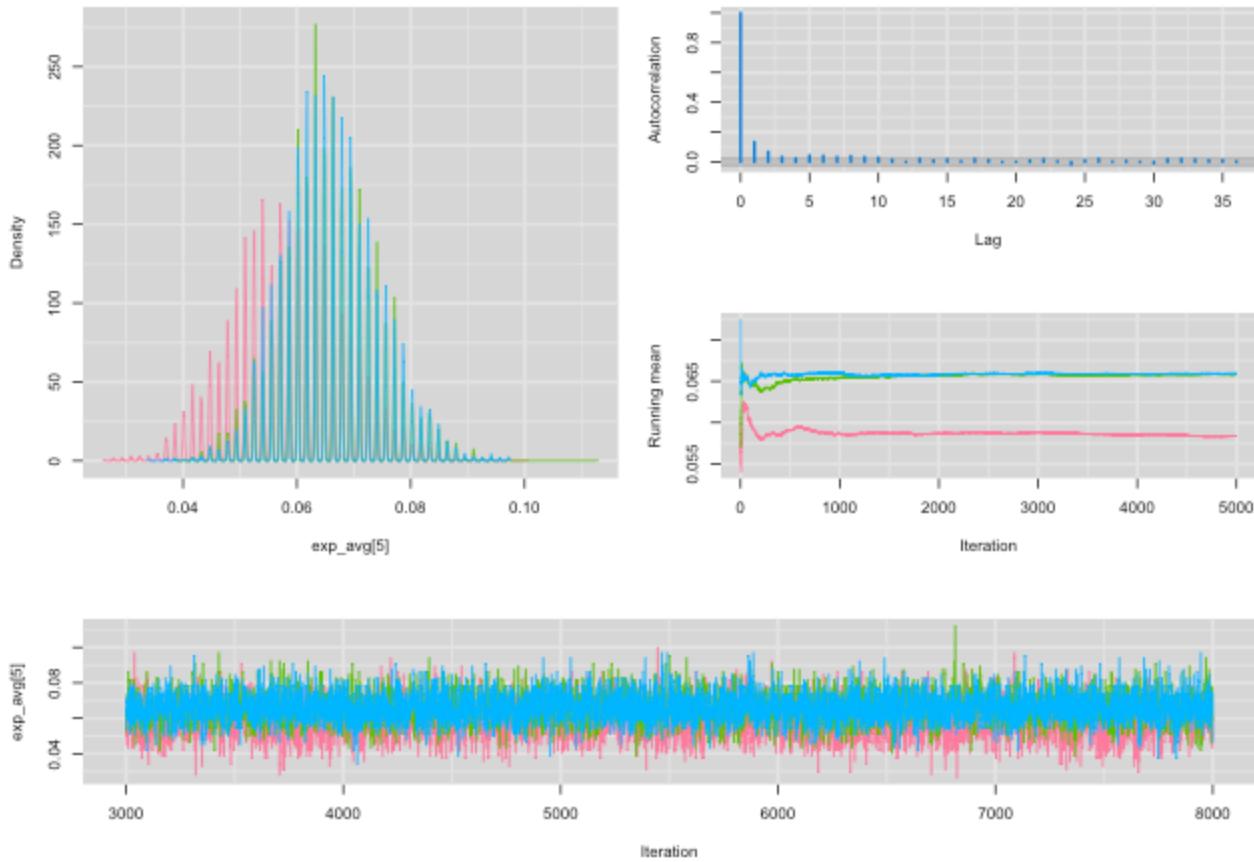
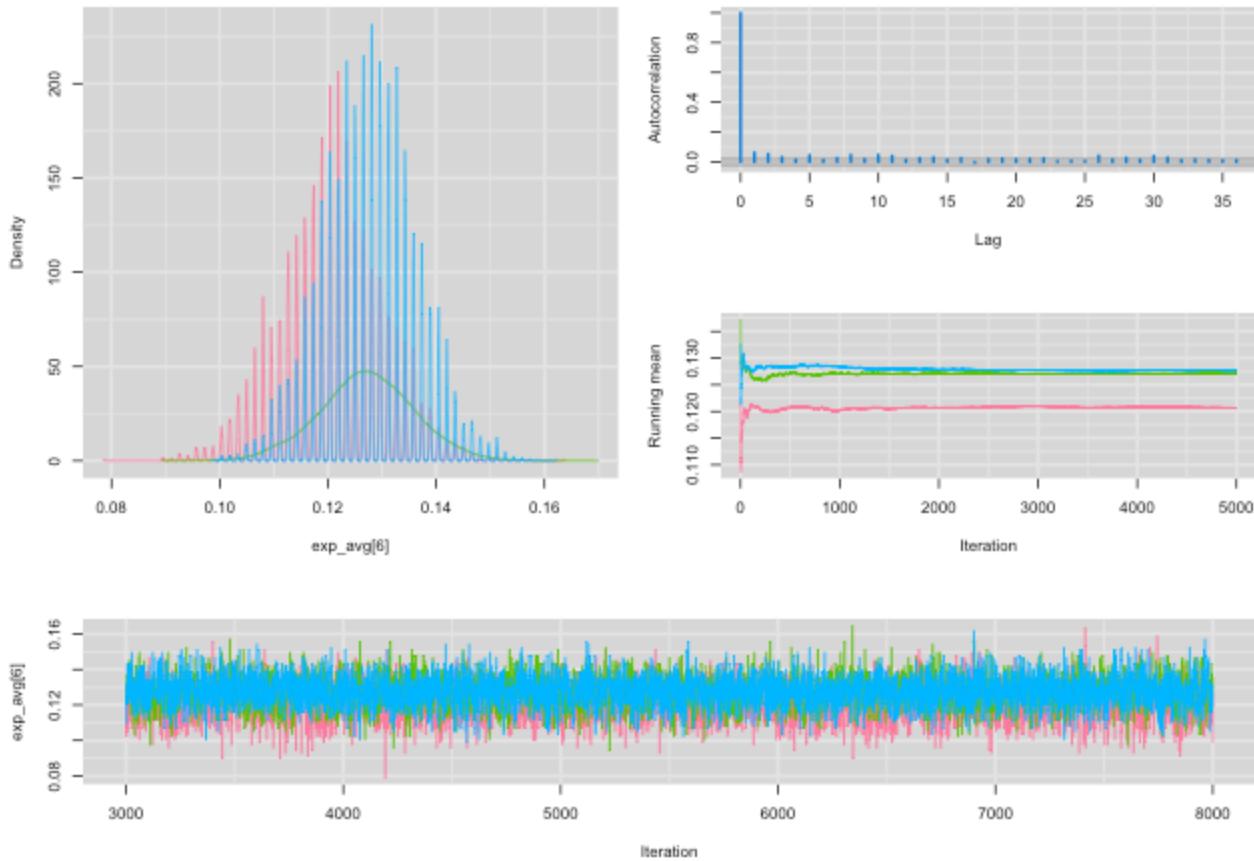
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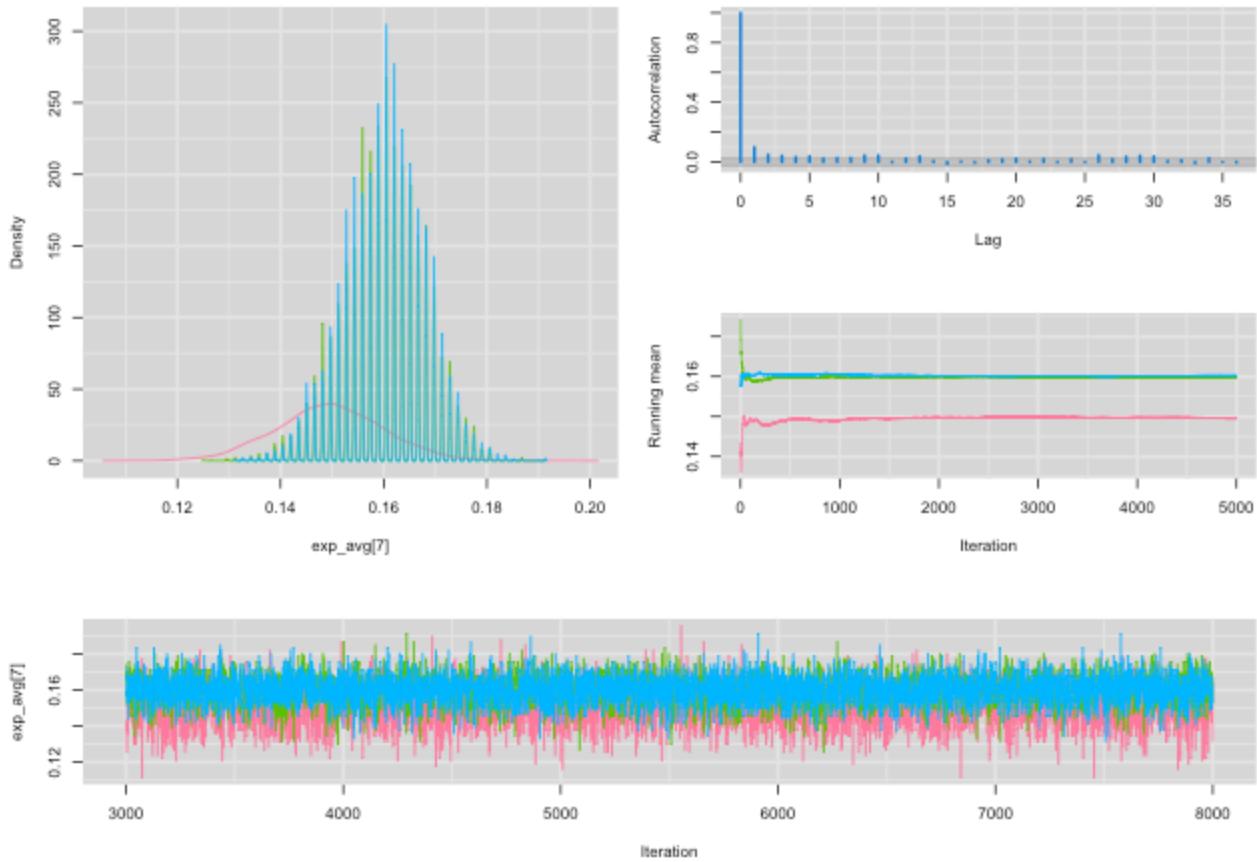
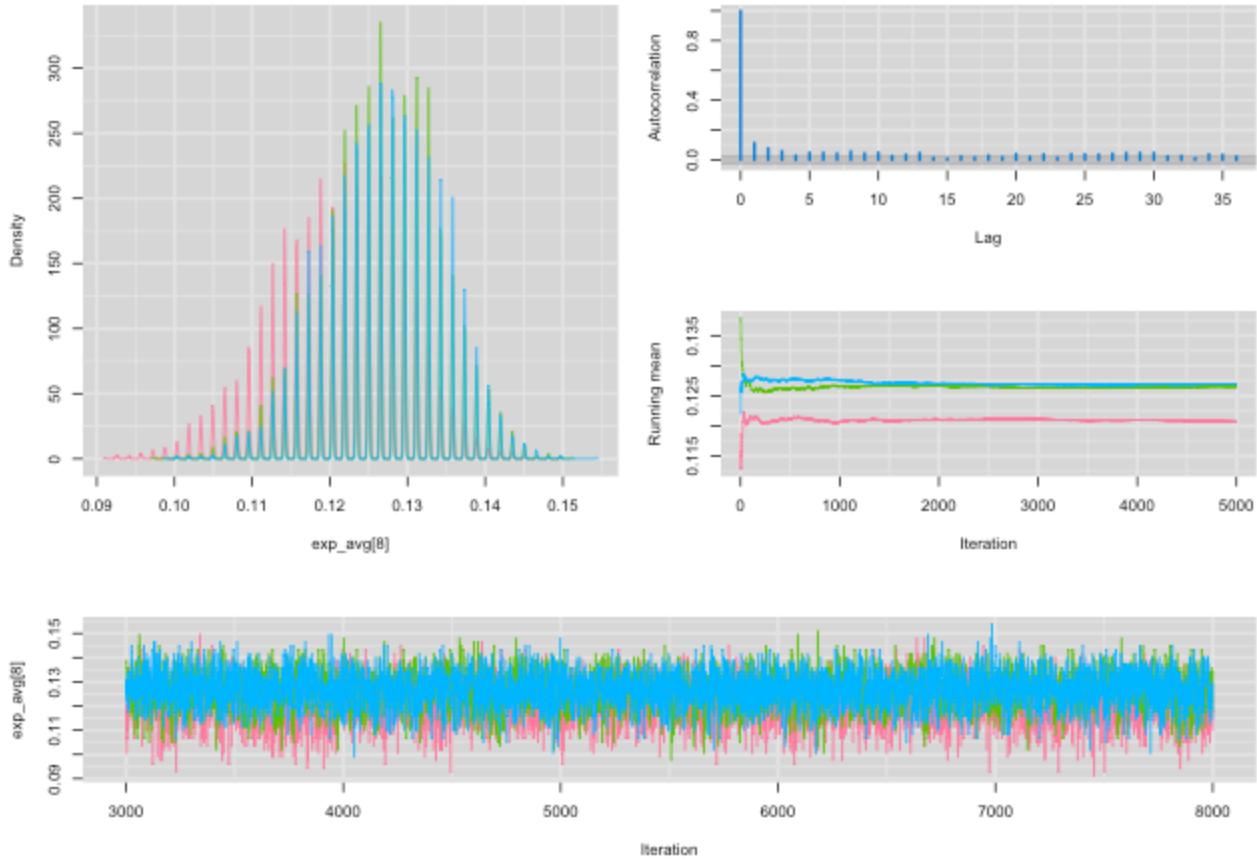
Diagnostics for $c_{\text{toxin}}[7]$ **Diagnostics for $c_{\text{toxin}}[8]$** 

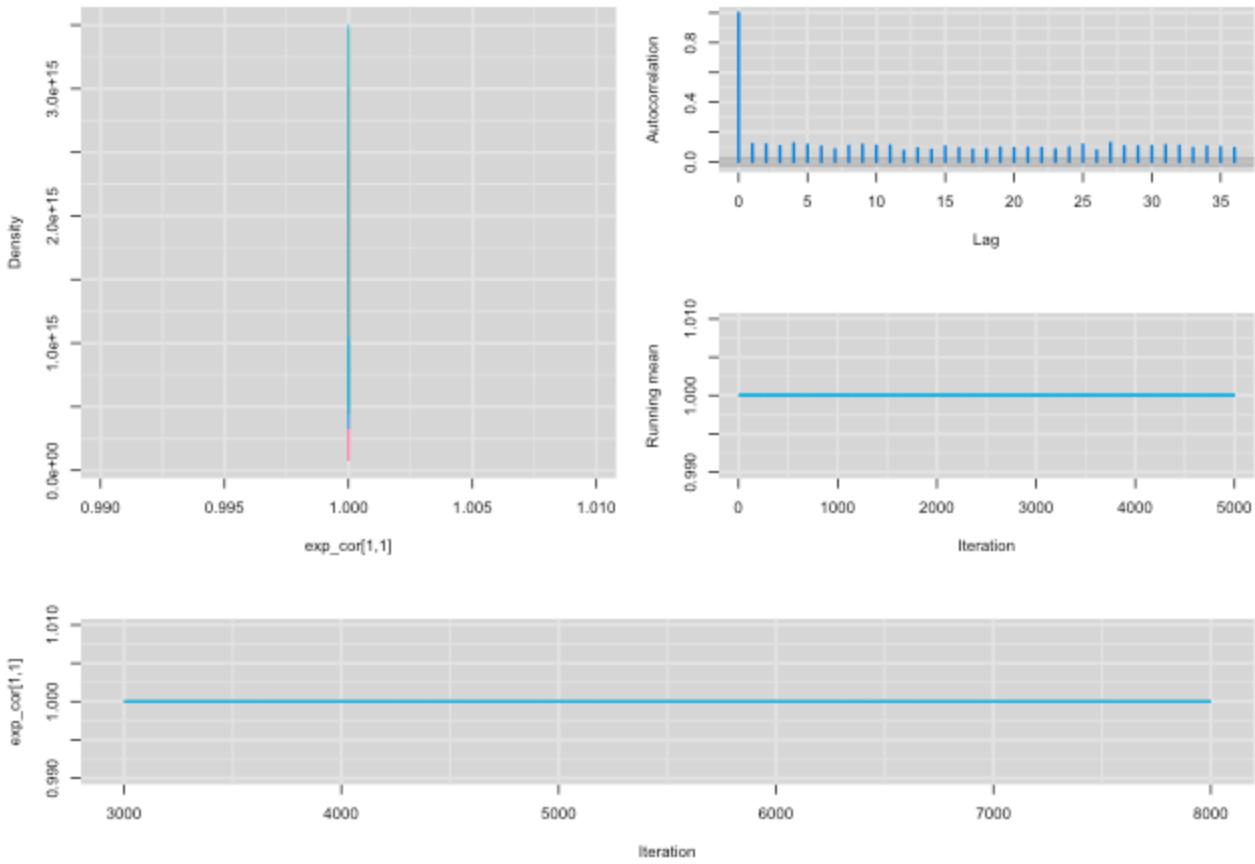
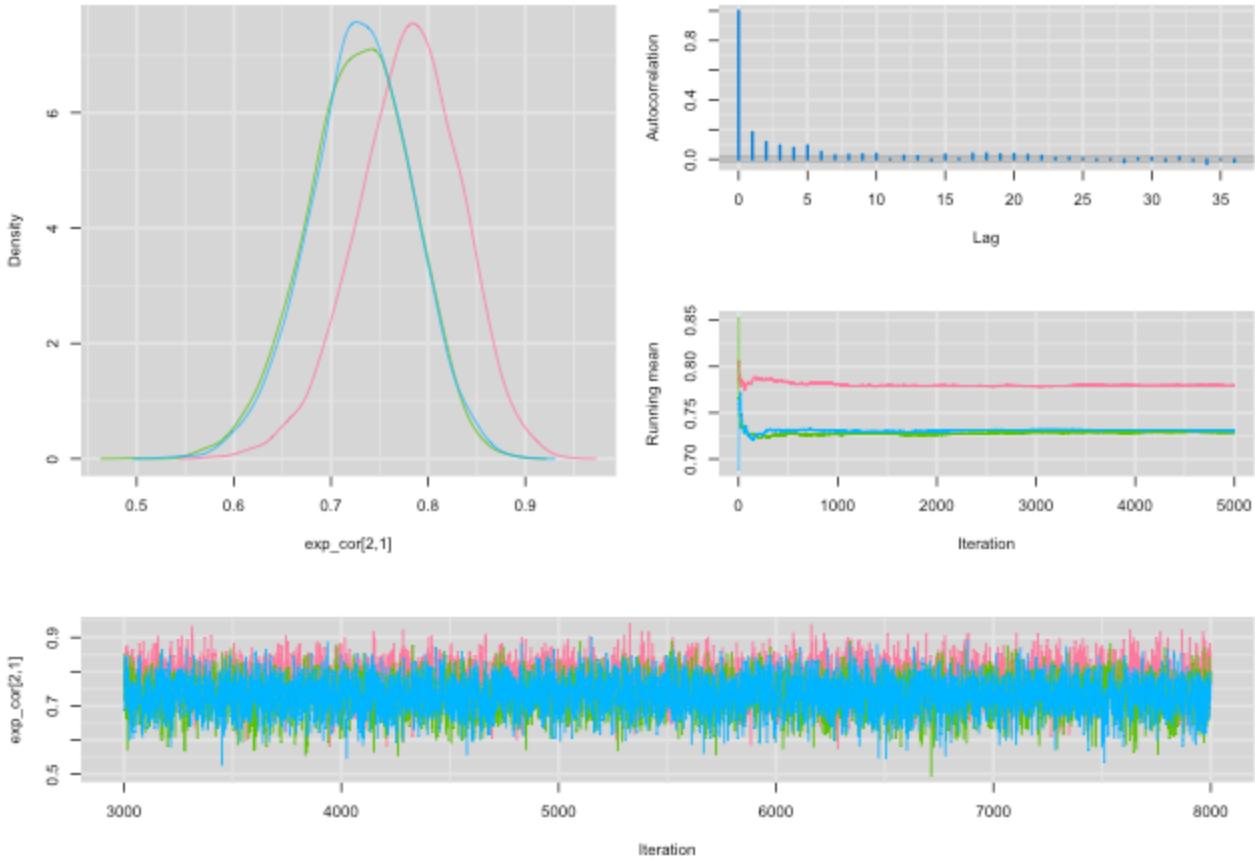
Plots for exp

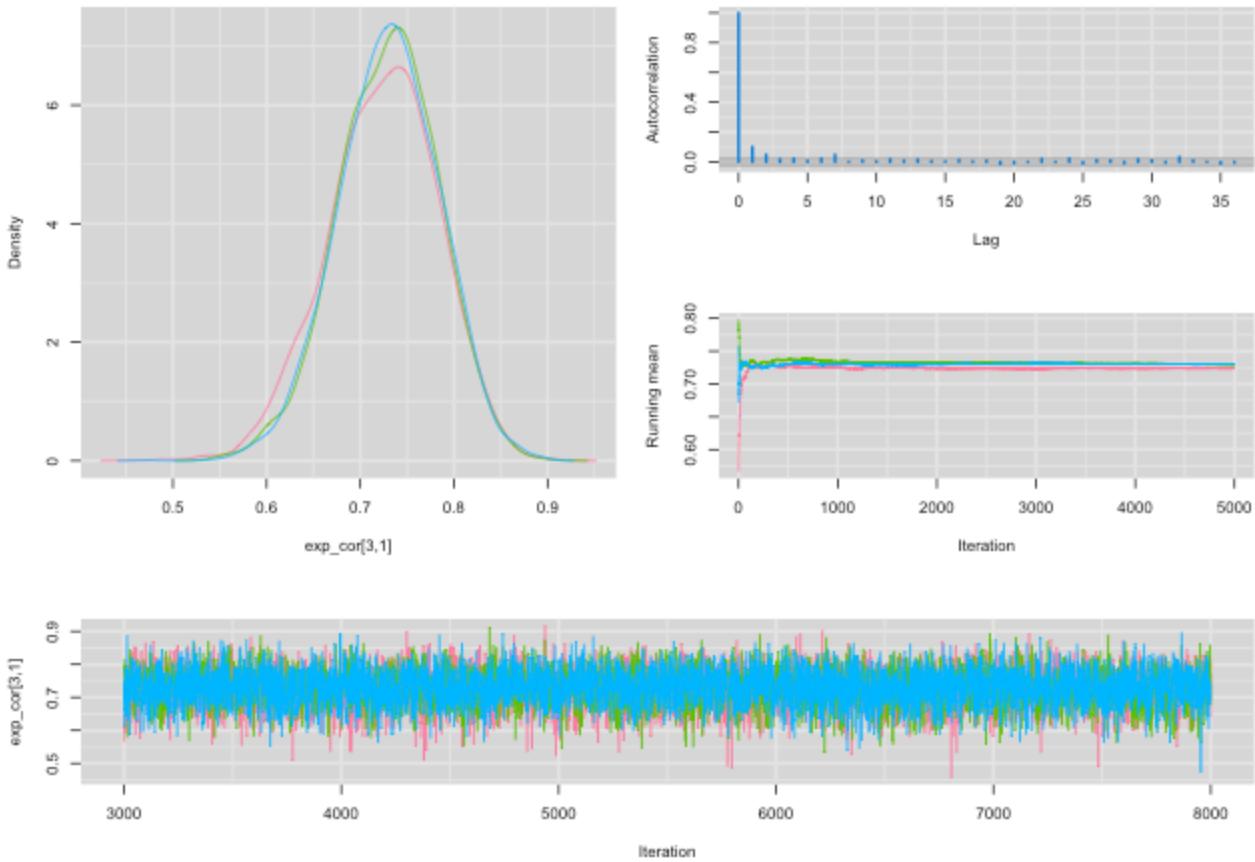
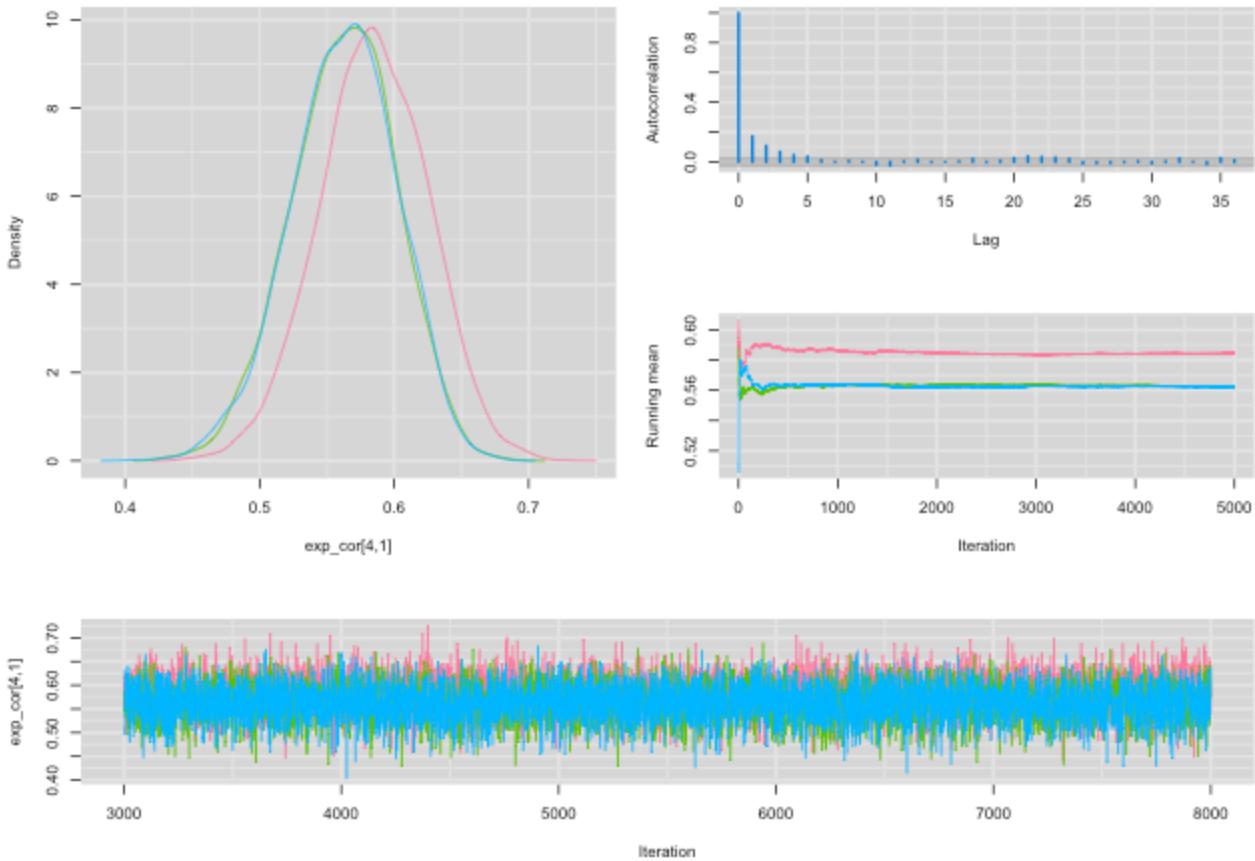
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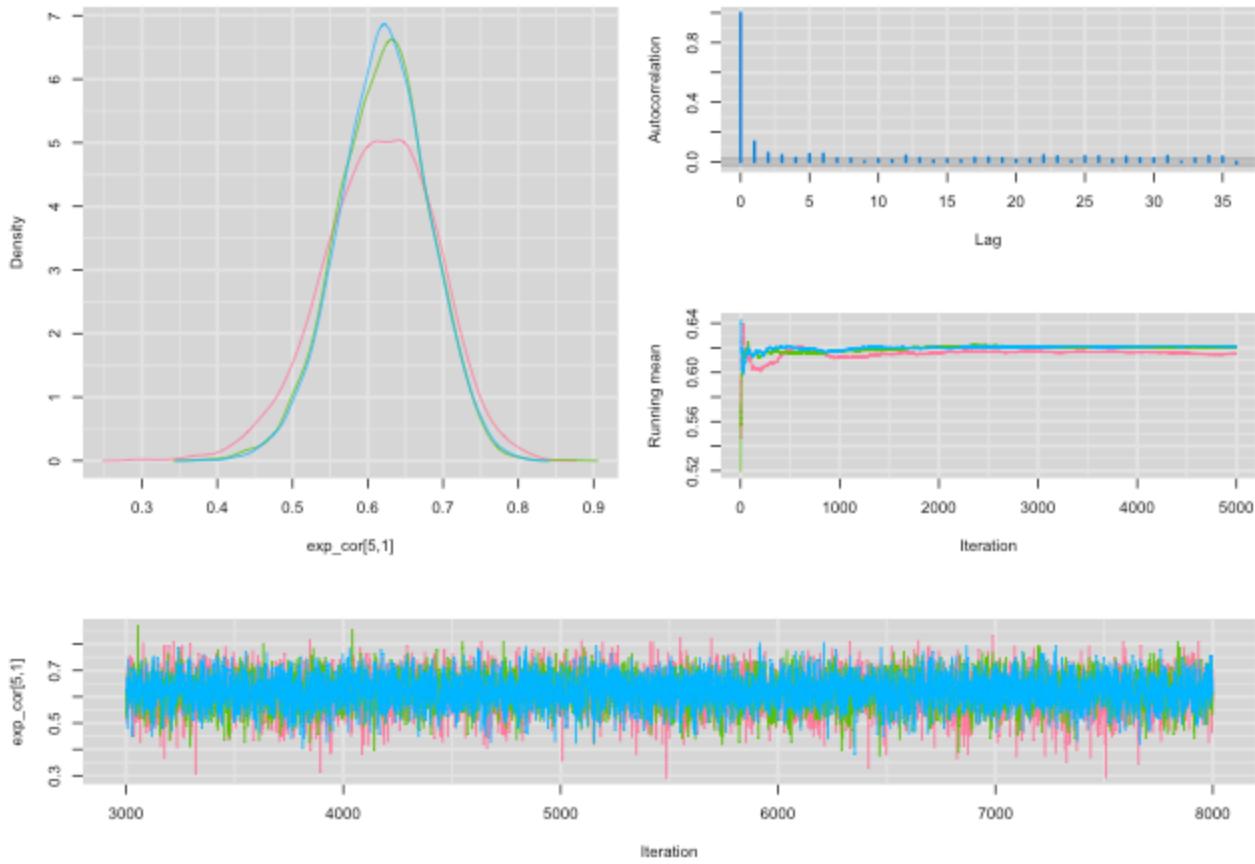
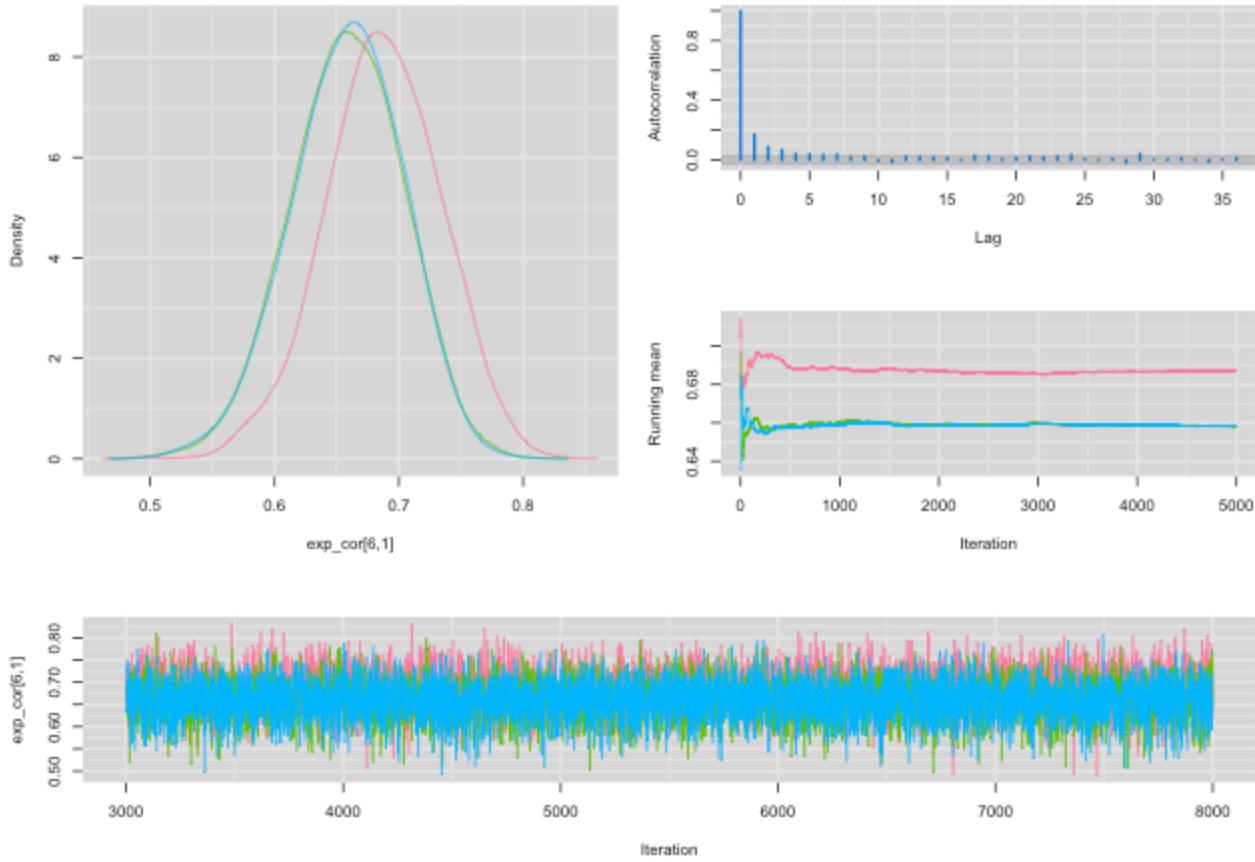
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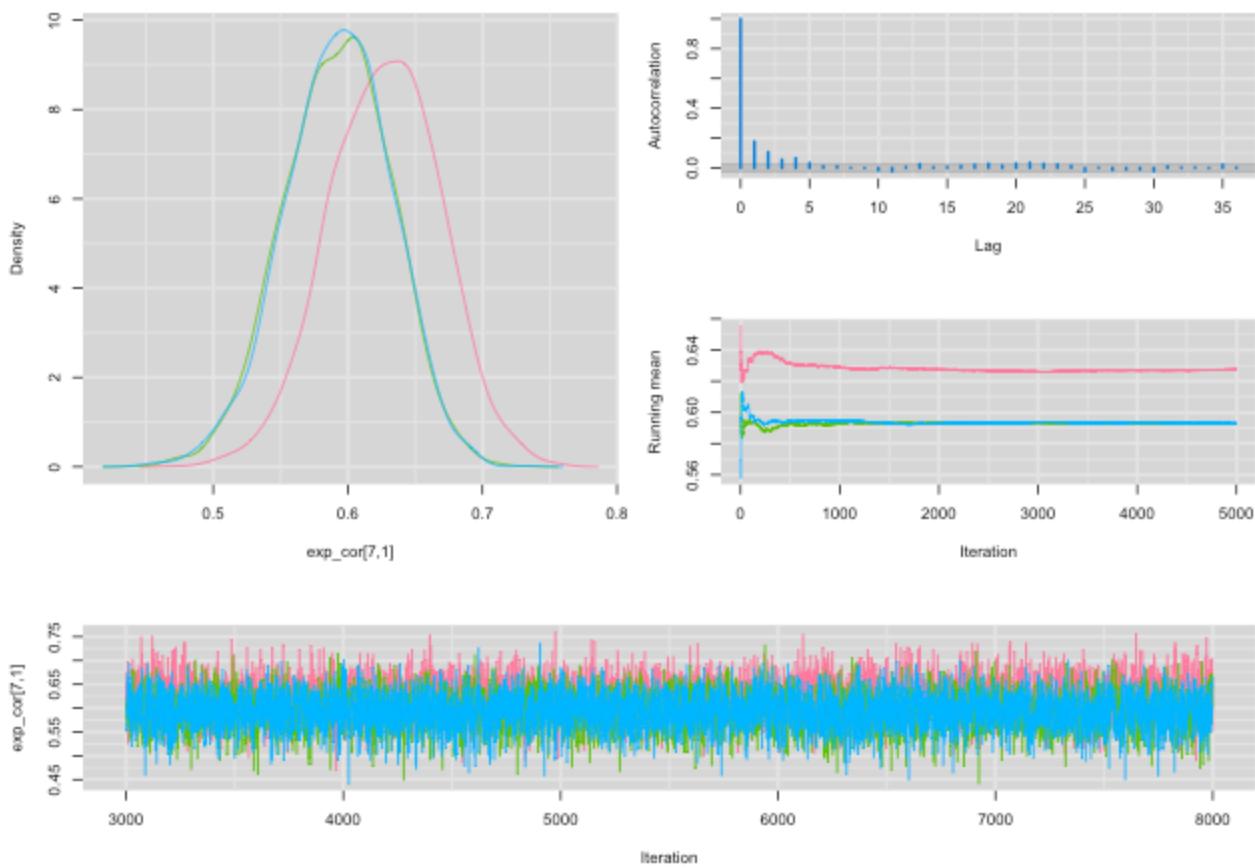
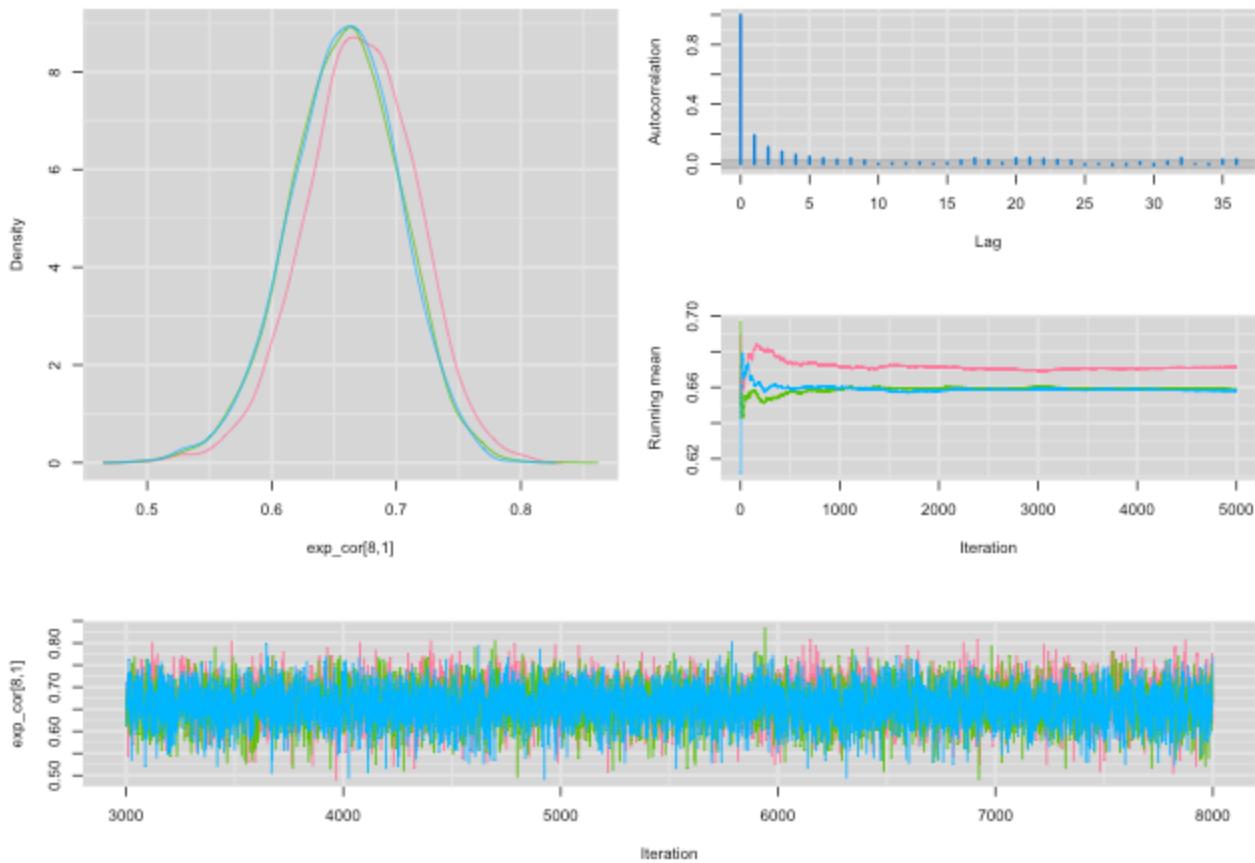
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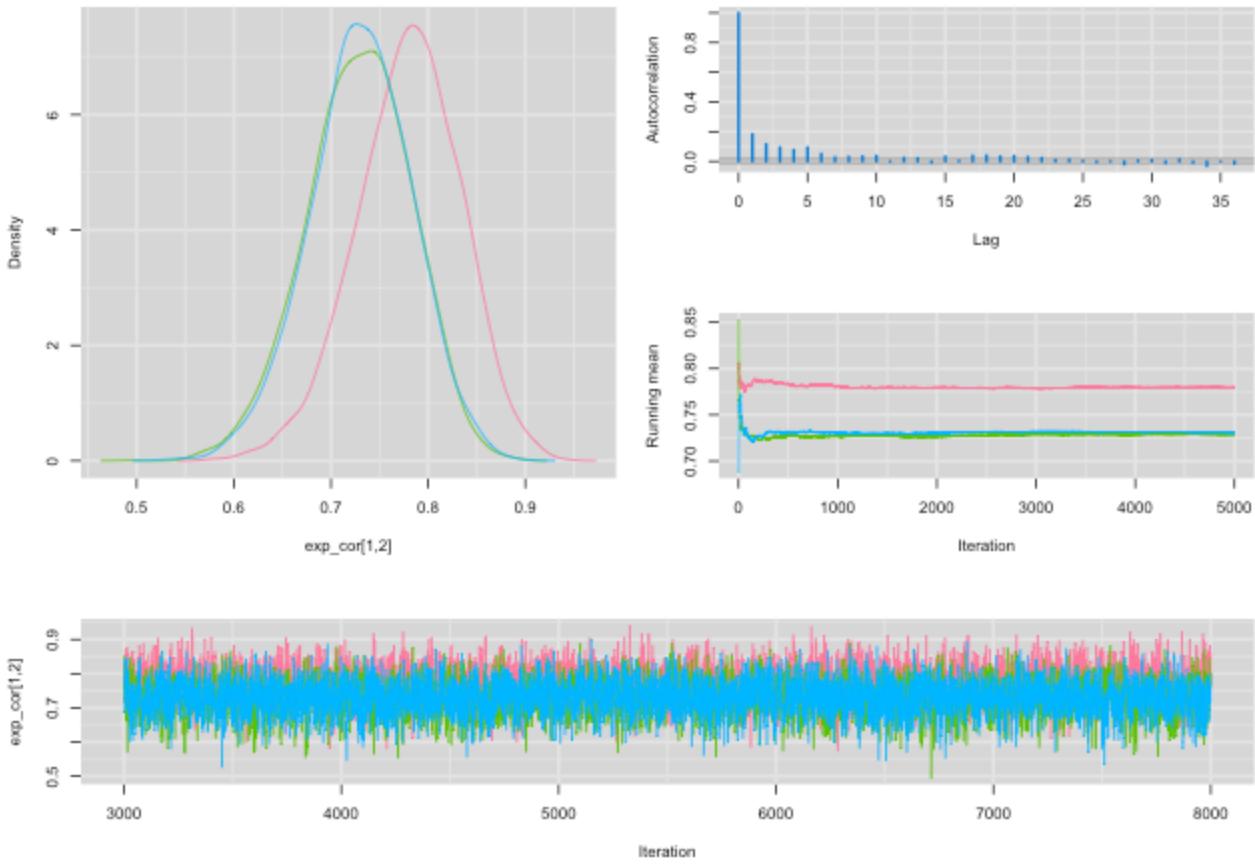
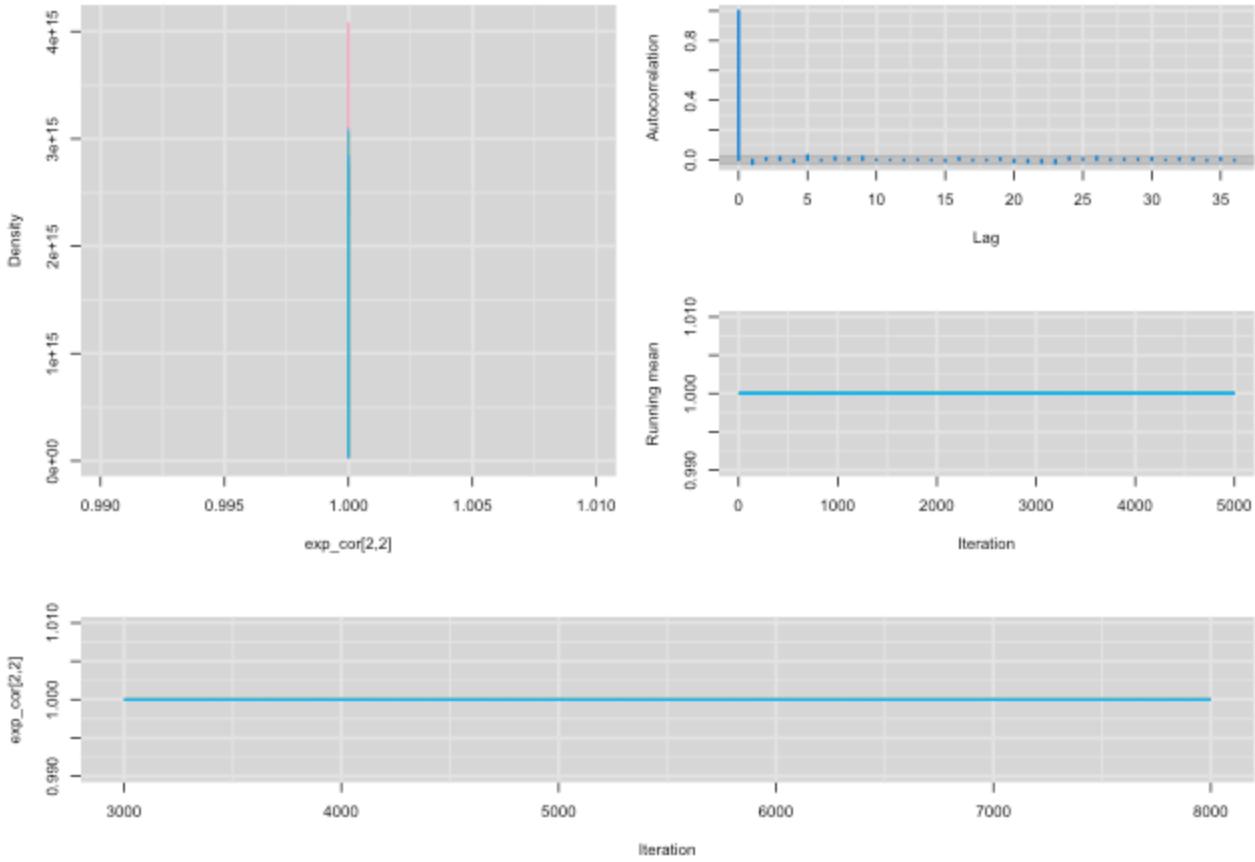
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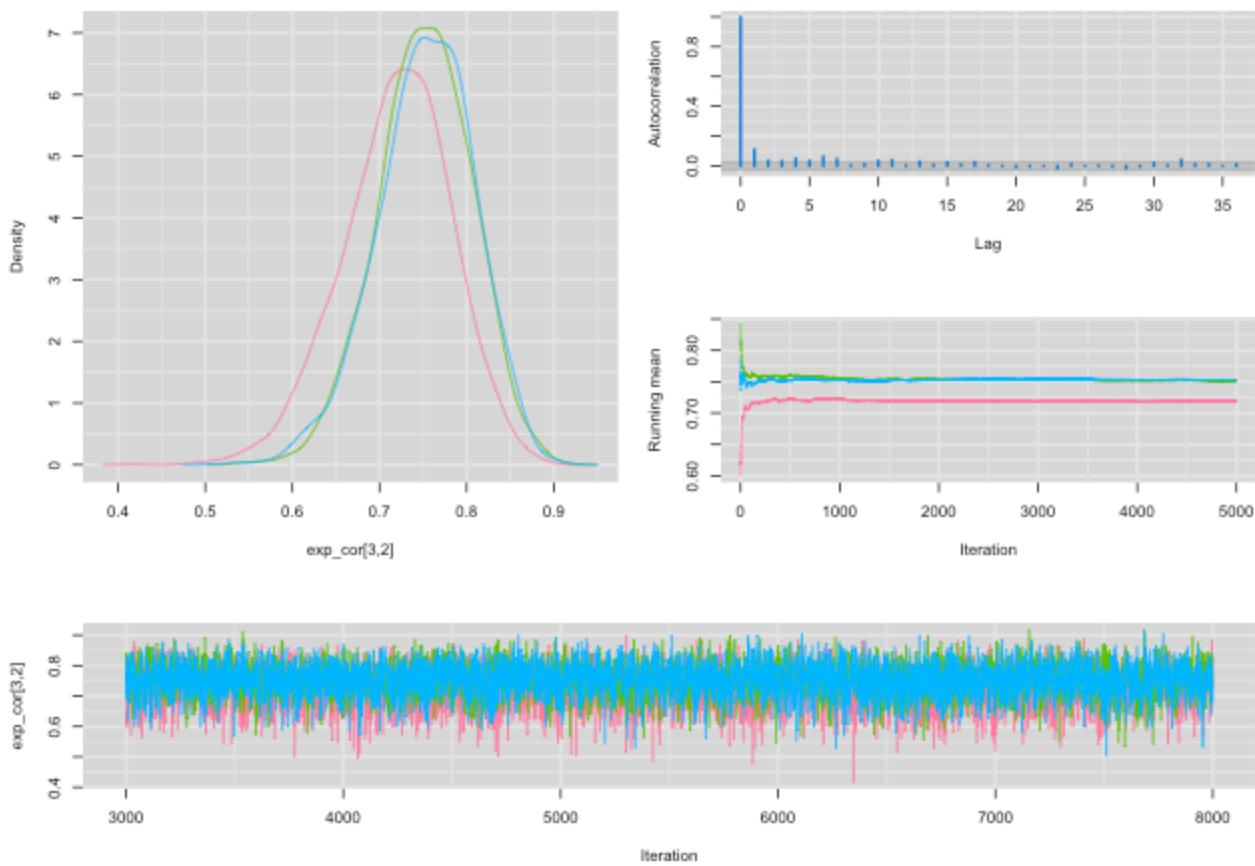
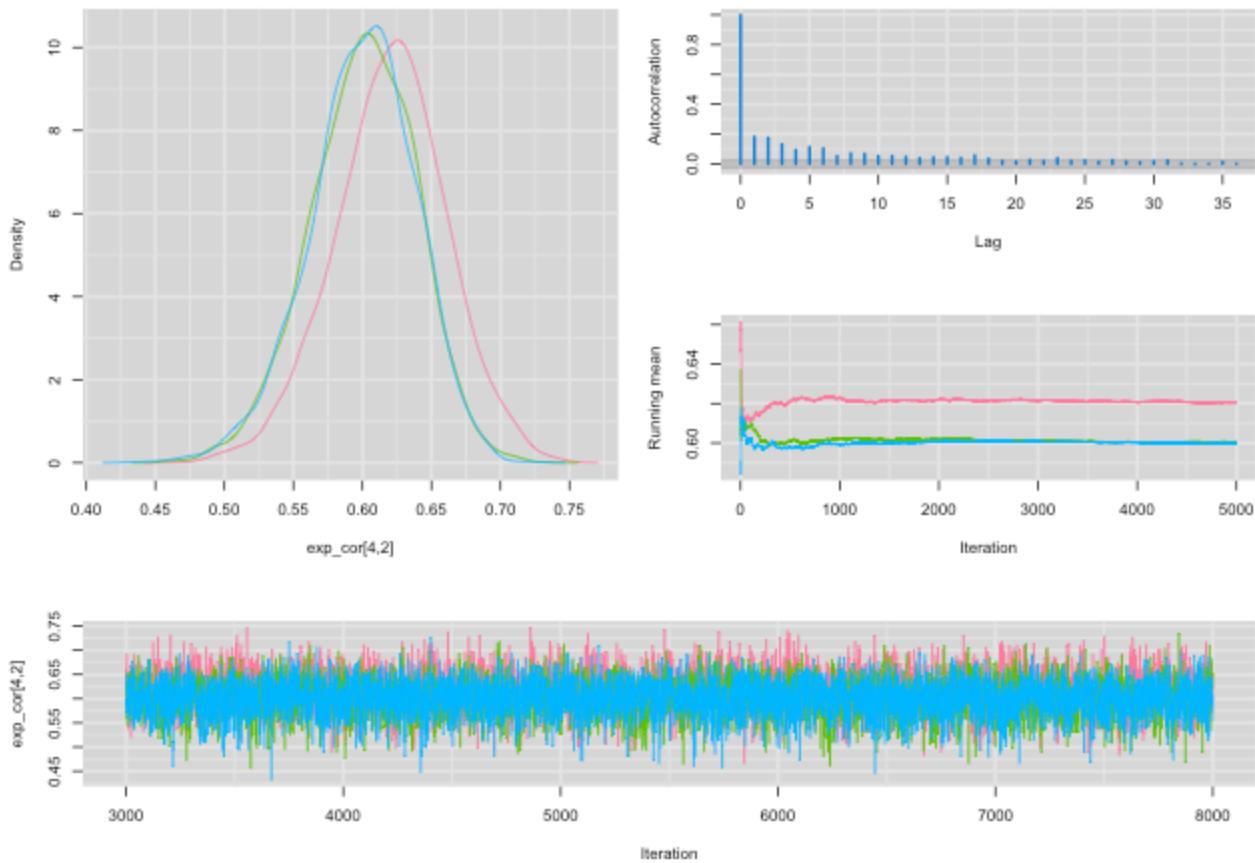
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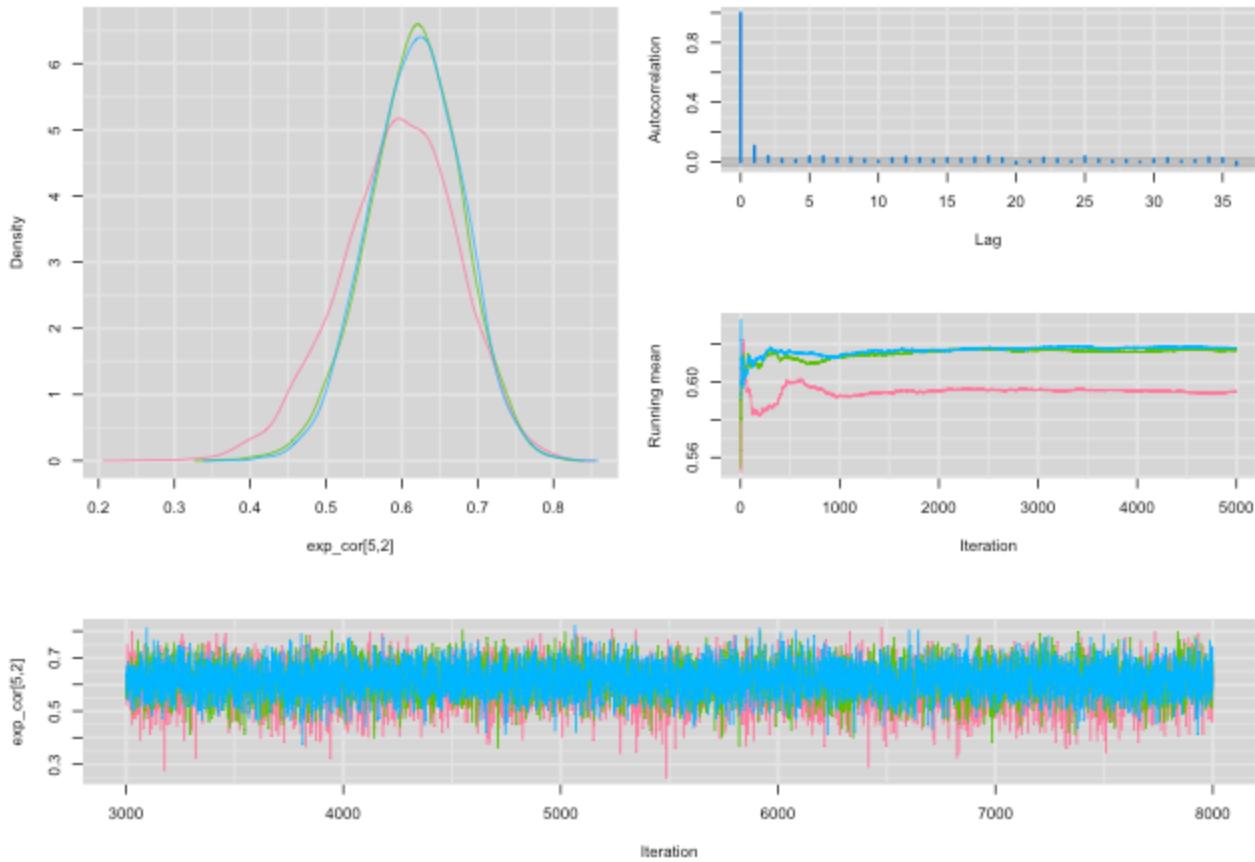
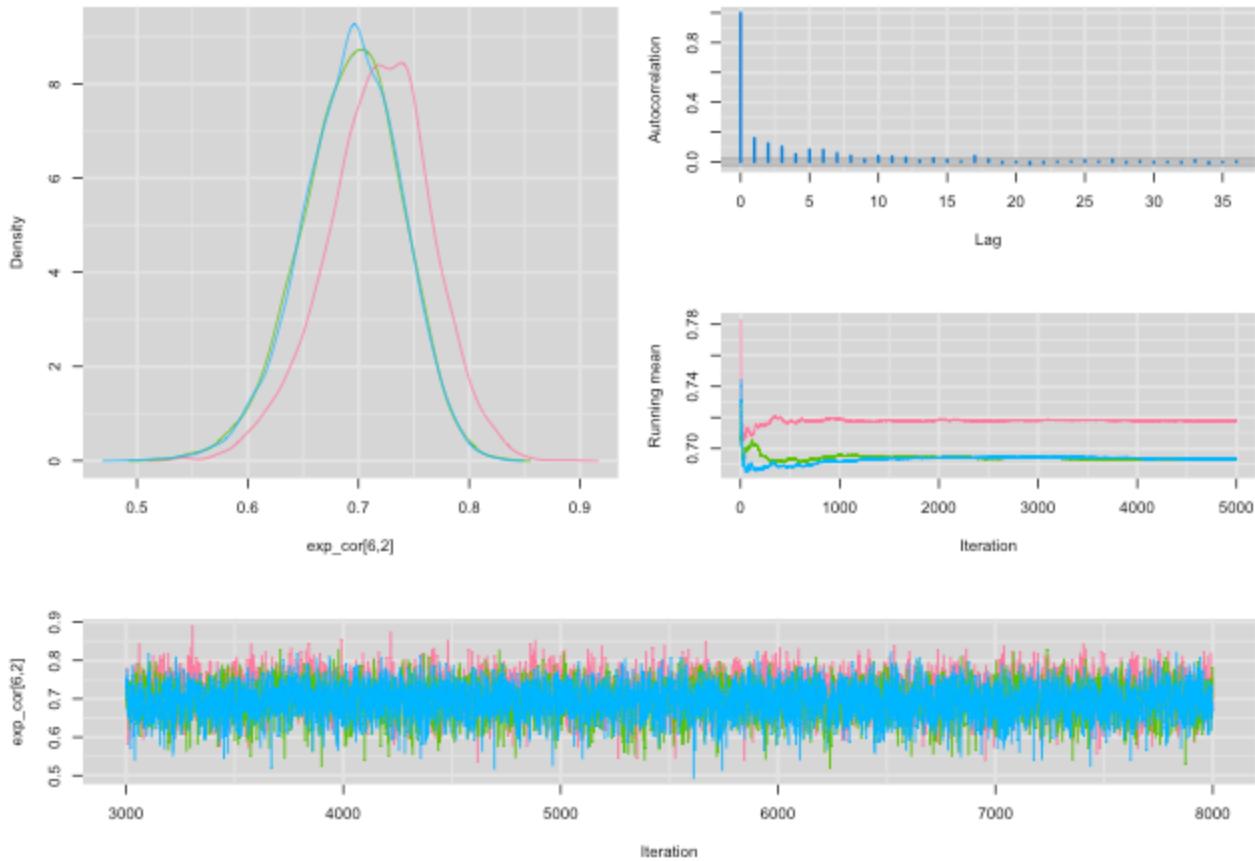
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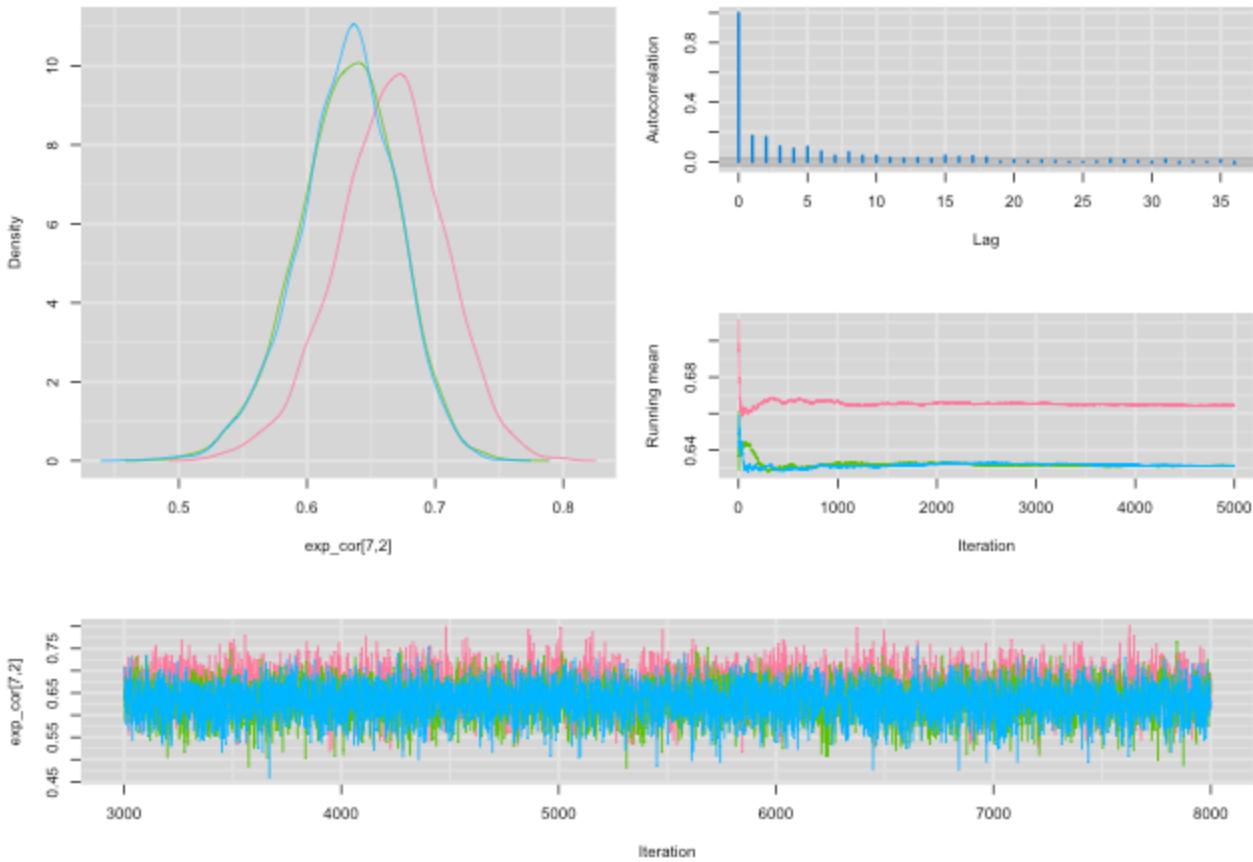
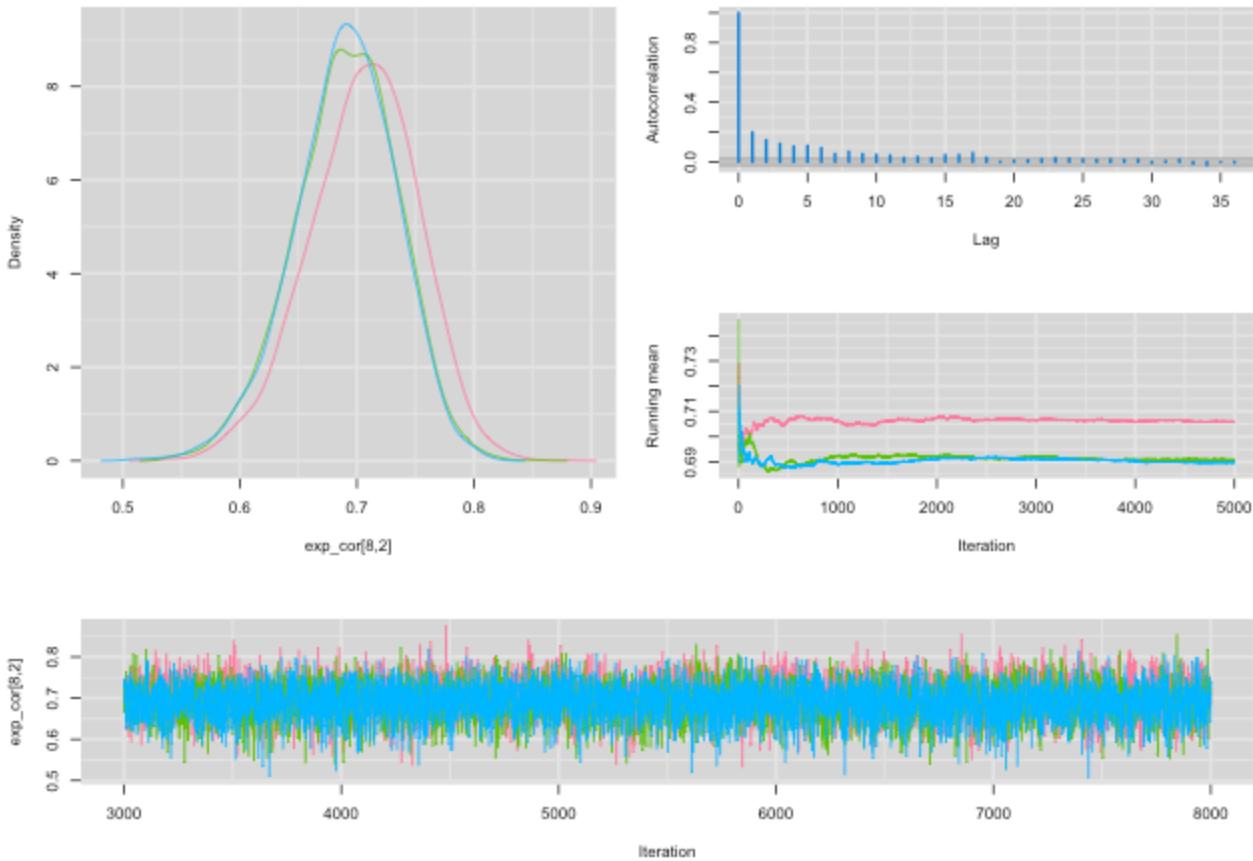
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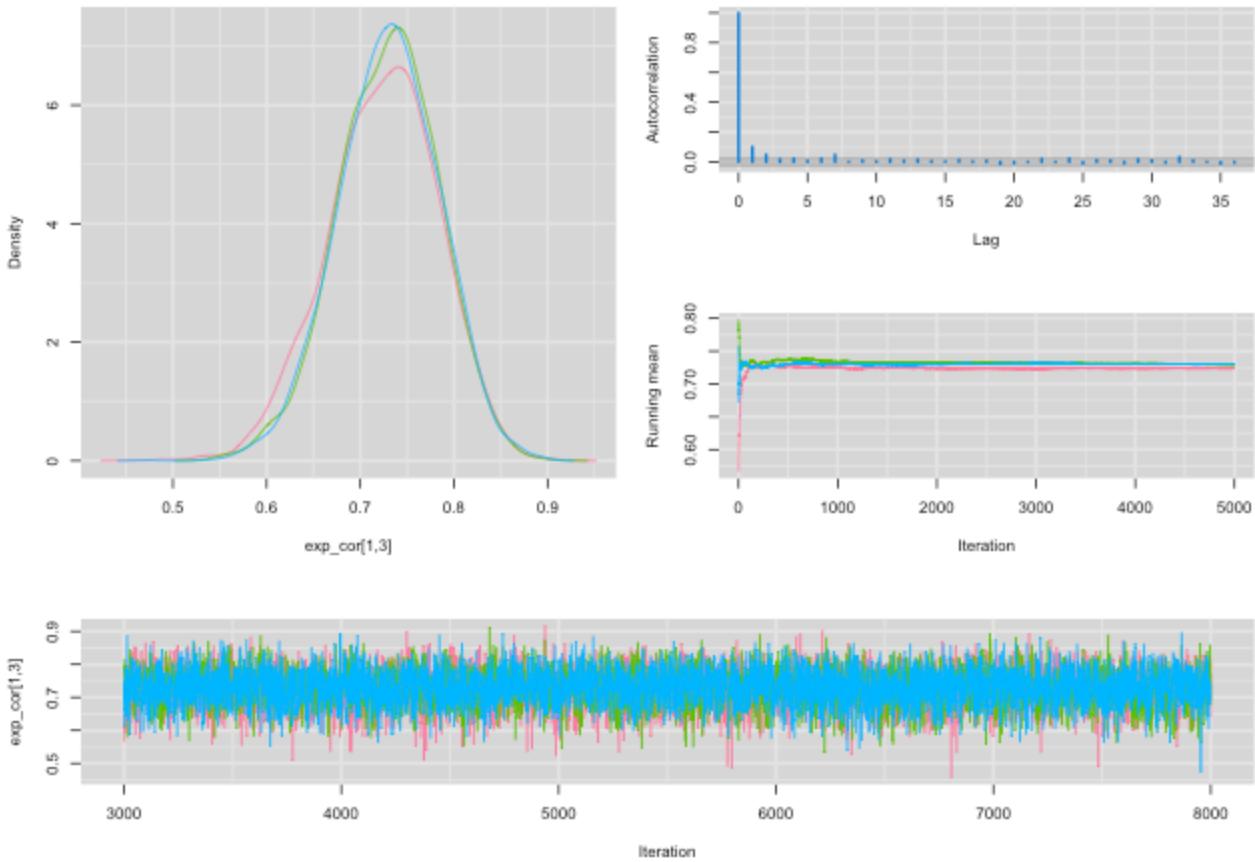
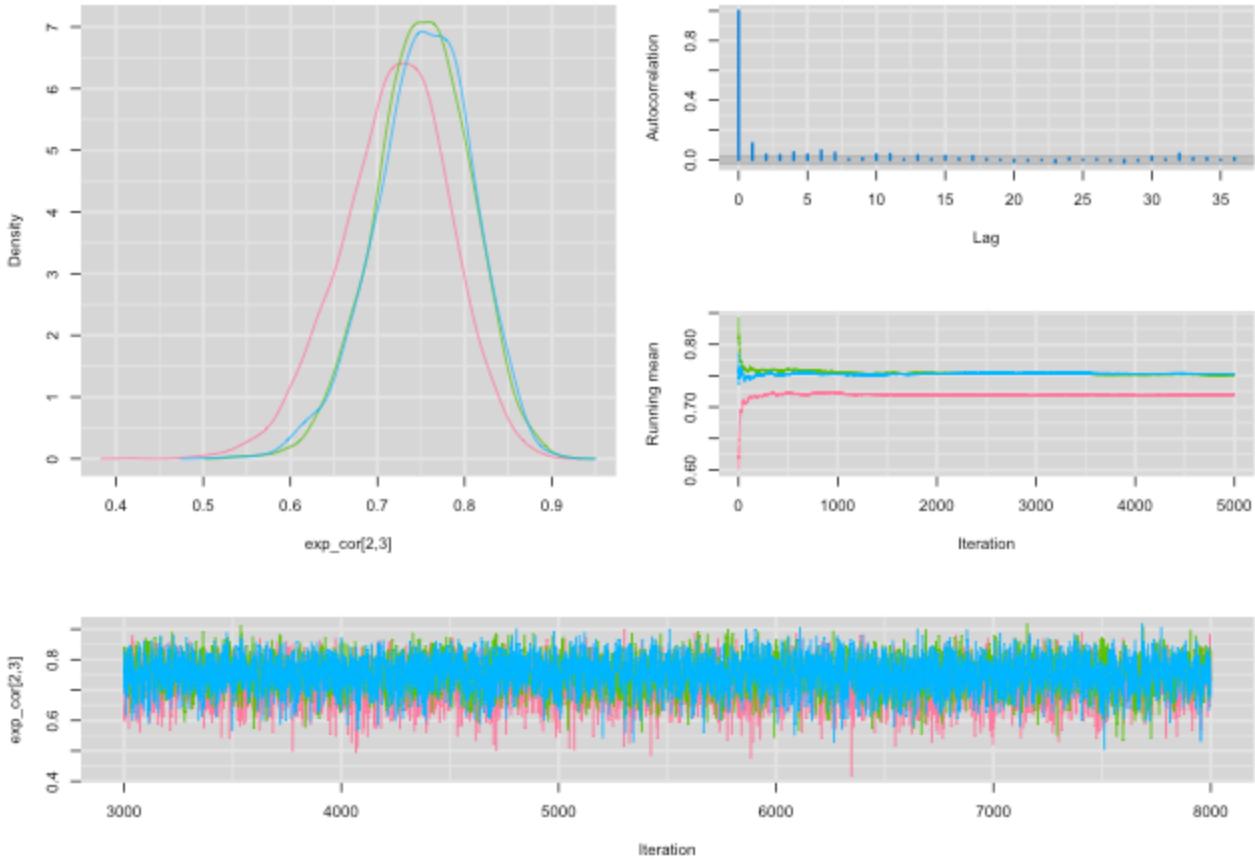
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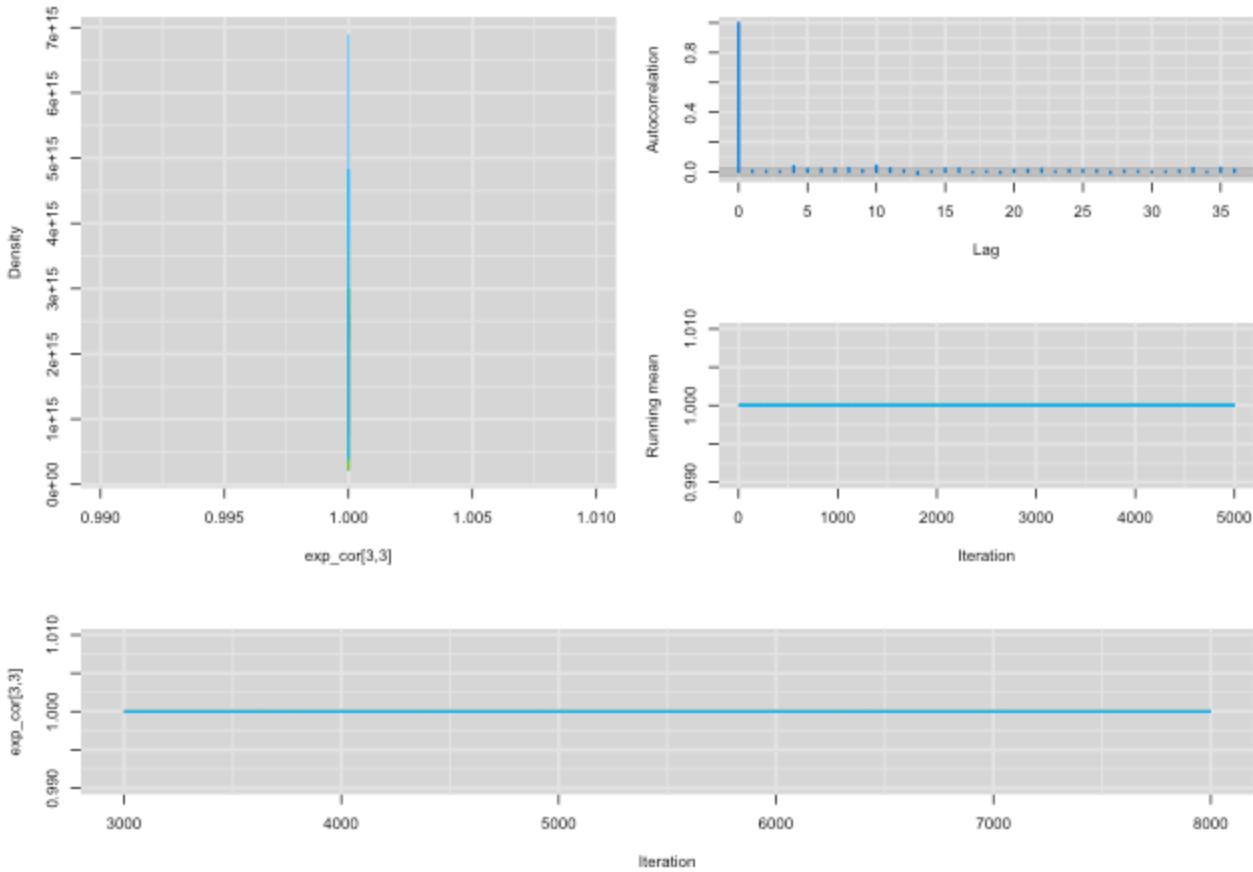
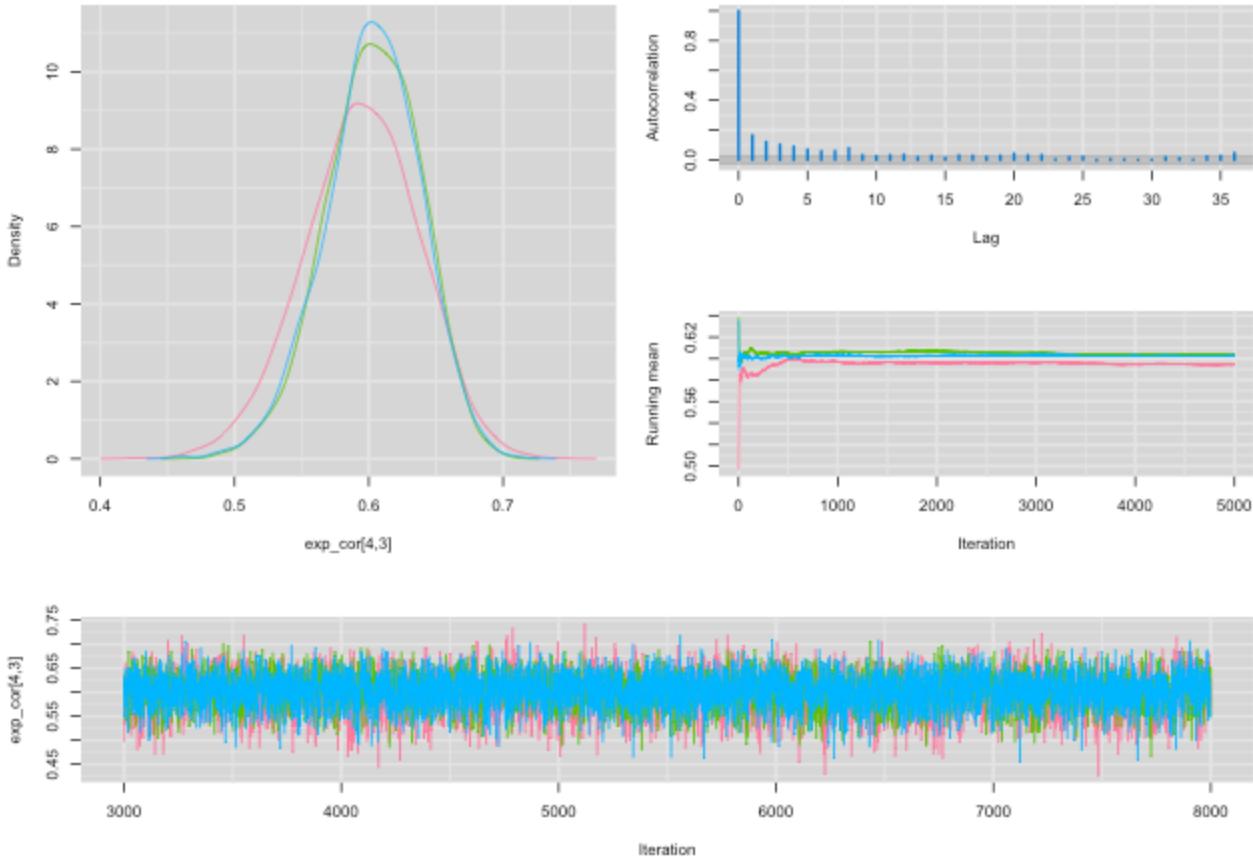
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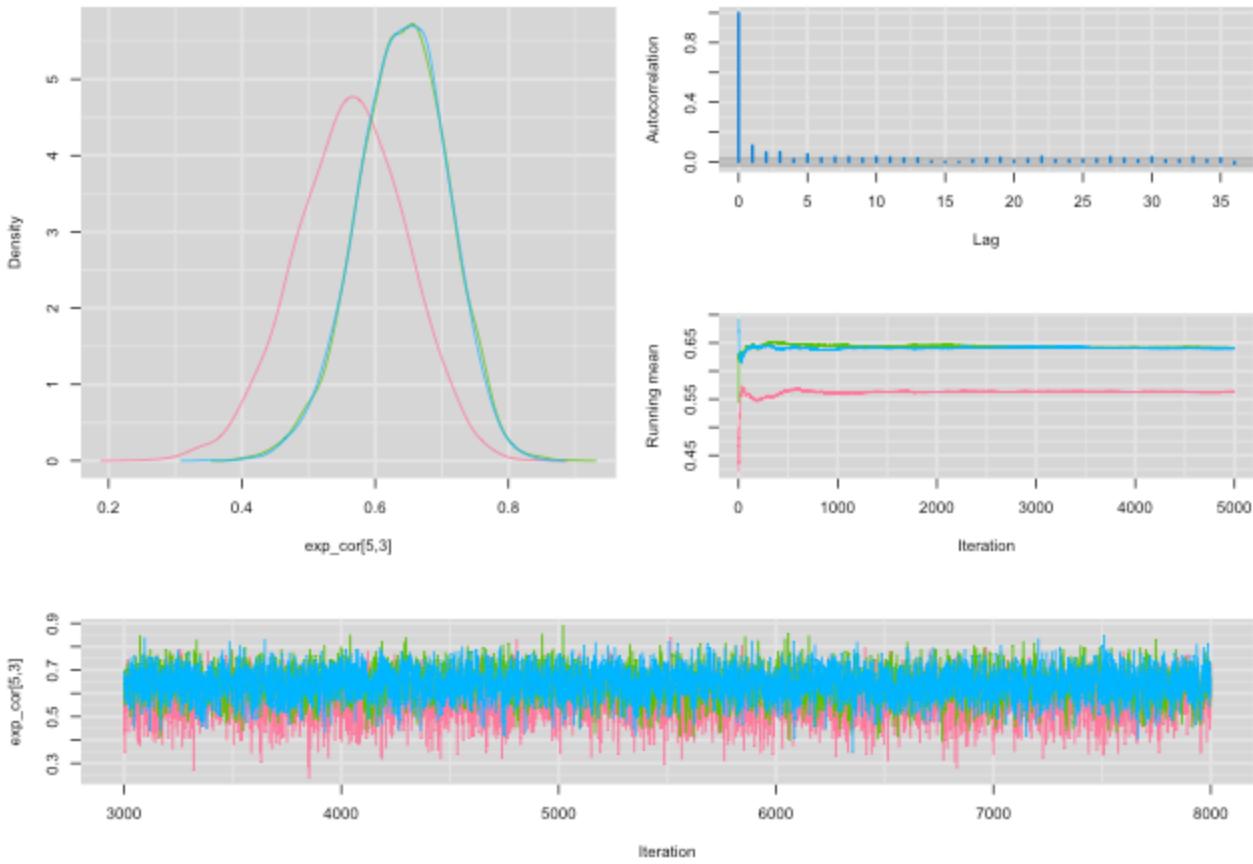
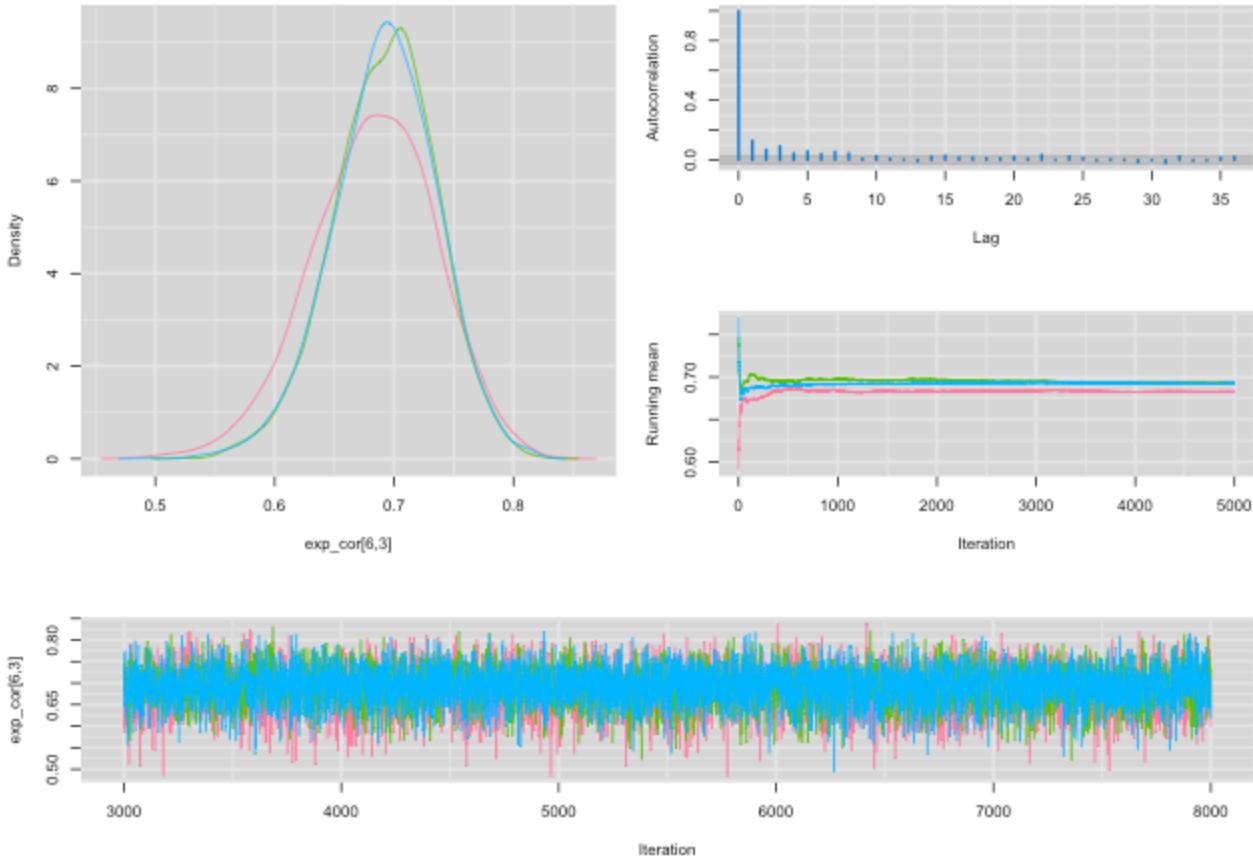
Diagnostics for exp_cor[3,2]**Diagnostics for exp_cor[4,2]**

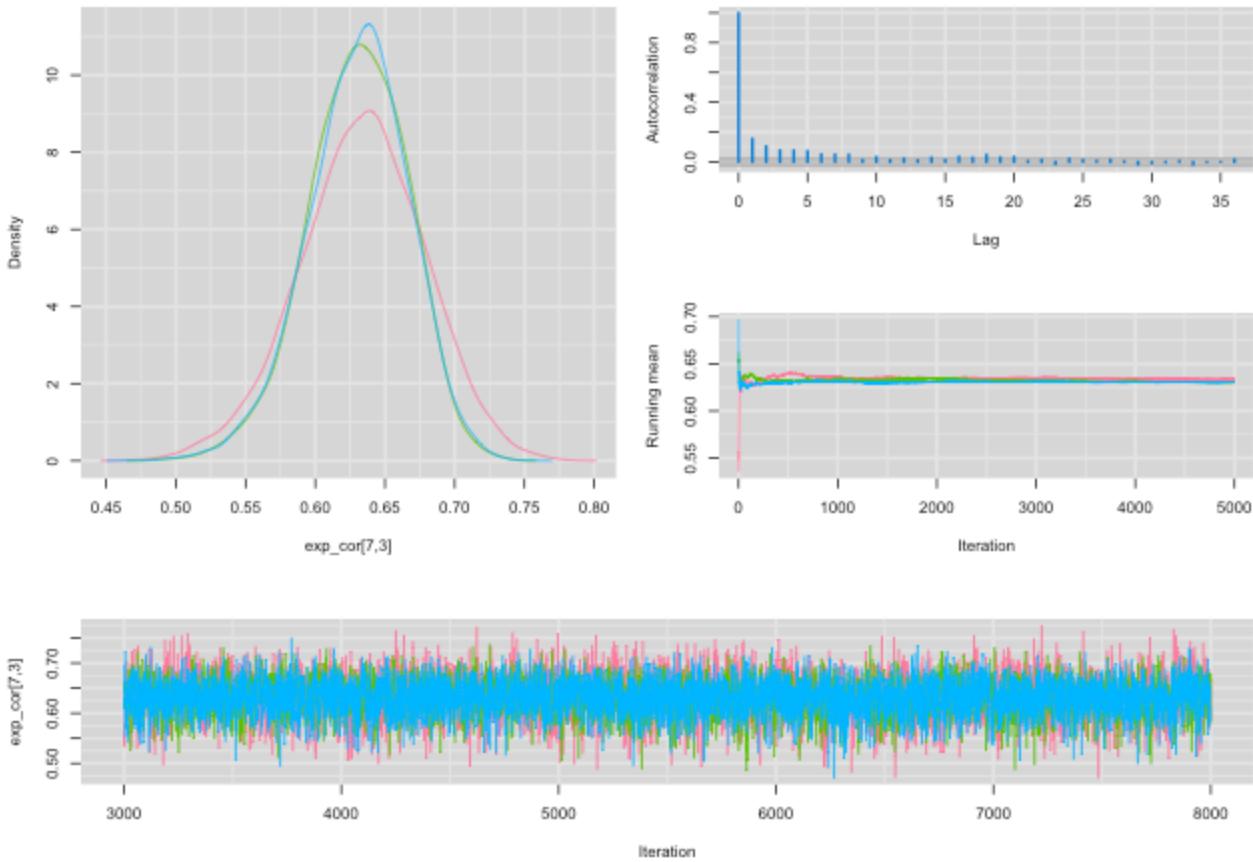
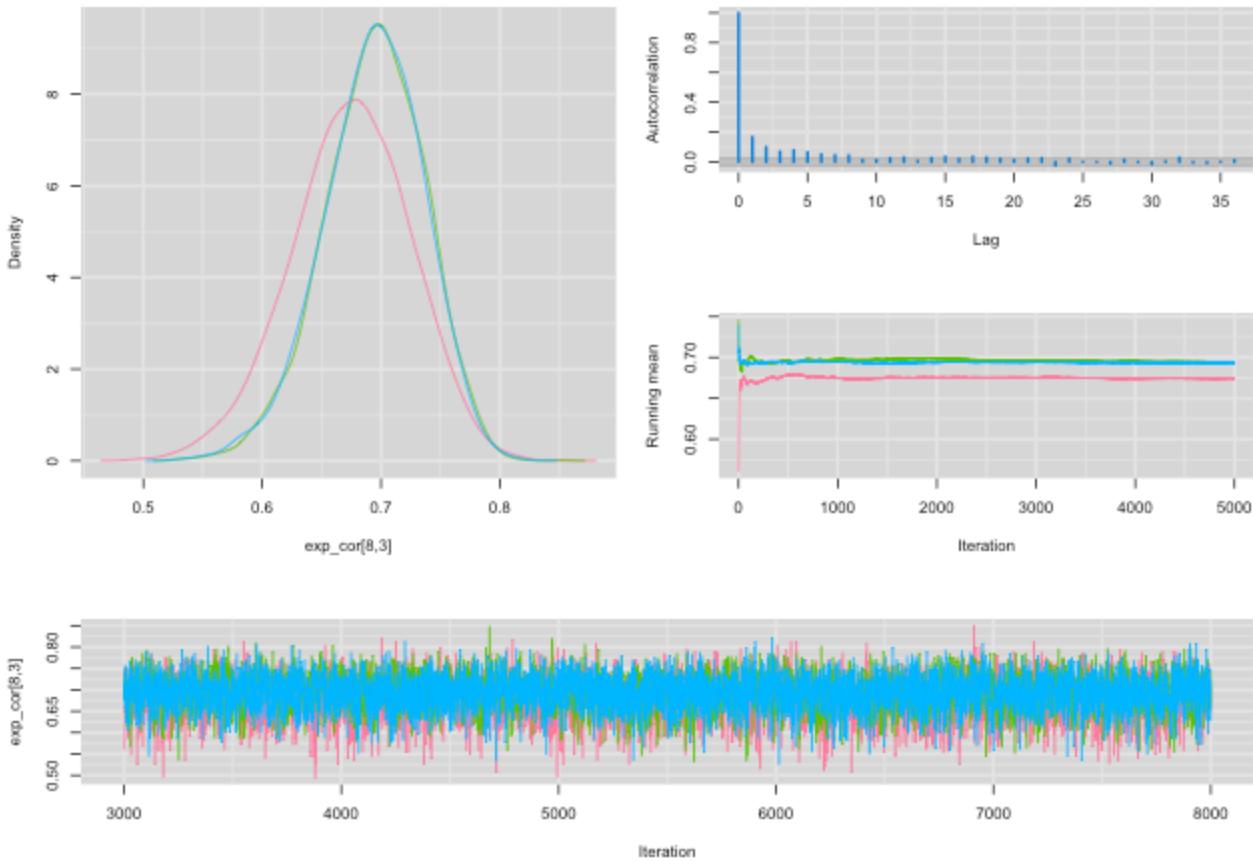
Diagnostics for $\exp_cor[5,2]$ **Diagnostics for $\exp_cor[6,2]$** 

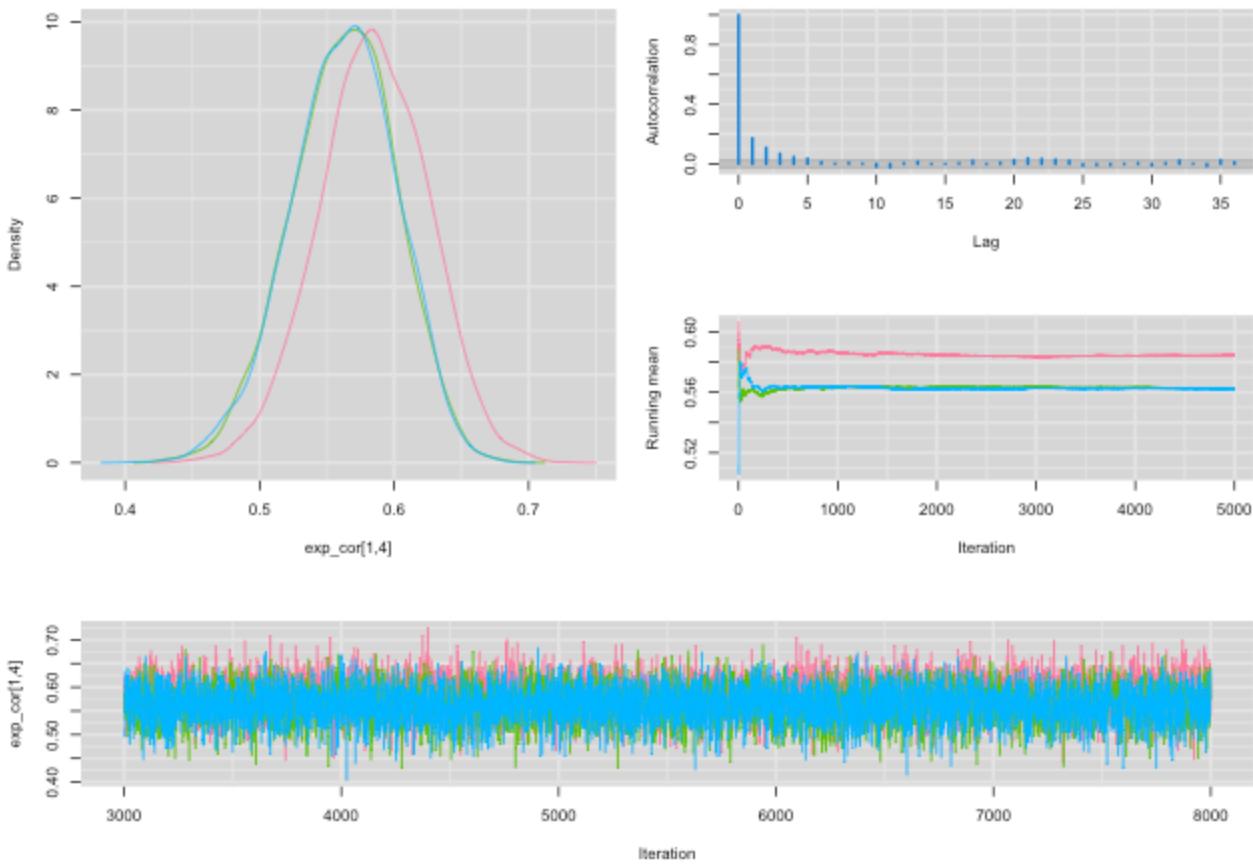
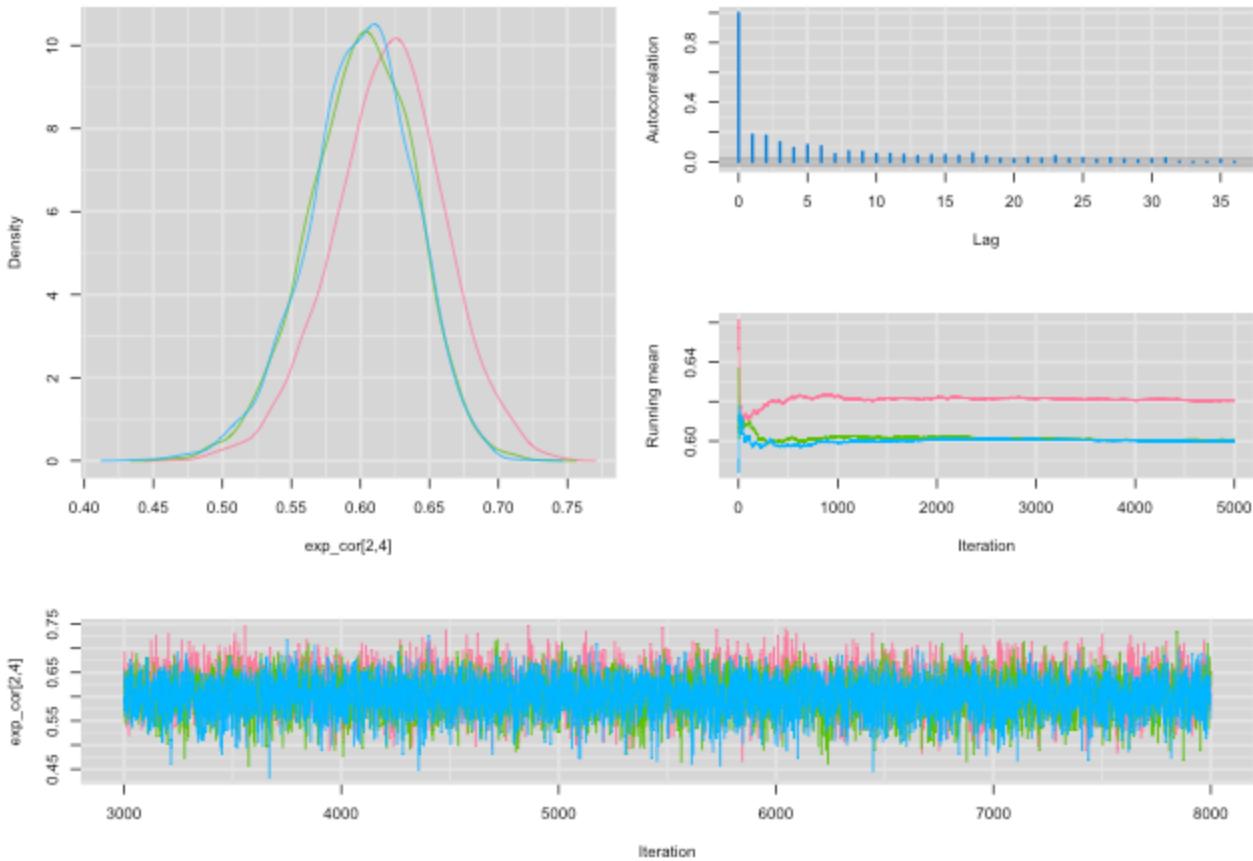
Diagnostics for $\text{exp_cor}[7,2]$ **Diagnostics for $\text{exp_cor}[8,2]$** 

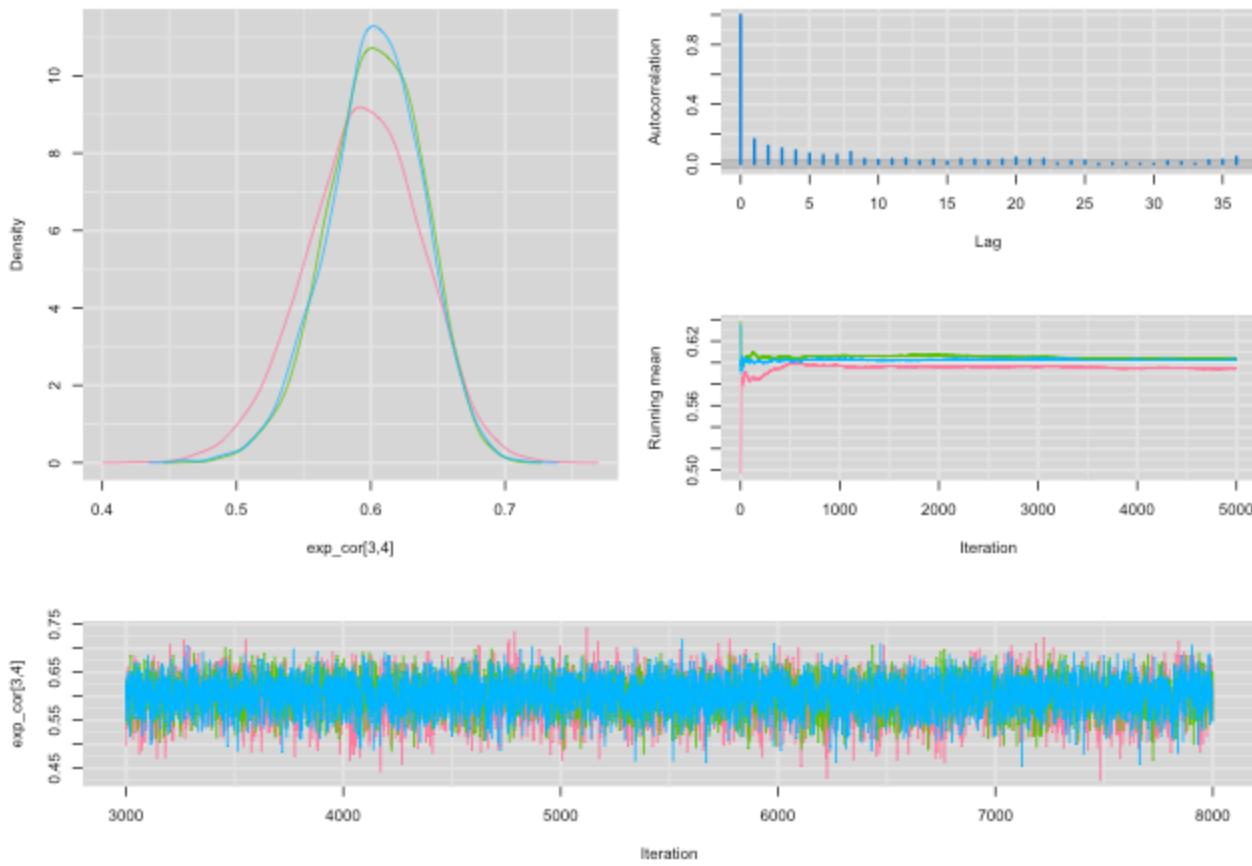
Diagnostics for $\exp_cor[1,3]$ **Diagnostics for $\exp_cor[2,3]$** 

Diagnostics for $\exp_cor[3,3]$ **Diagnostics for $\exp_cor[4,3]$** 

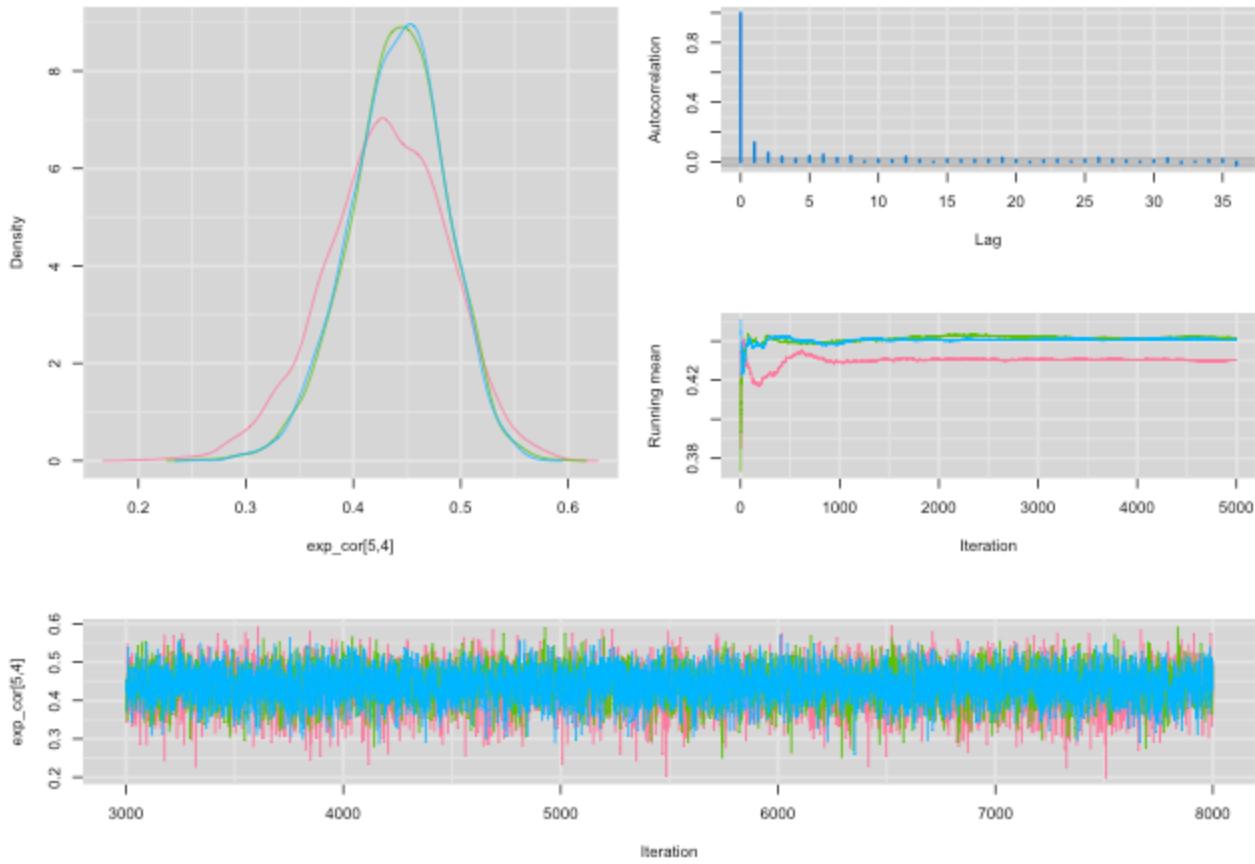
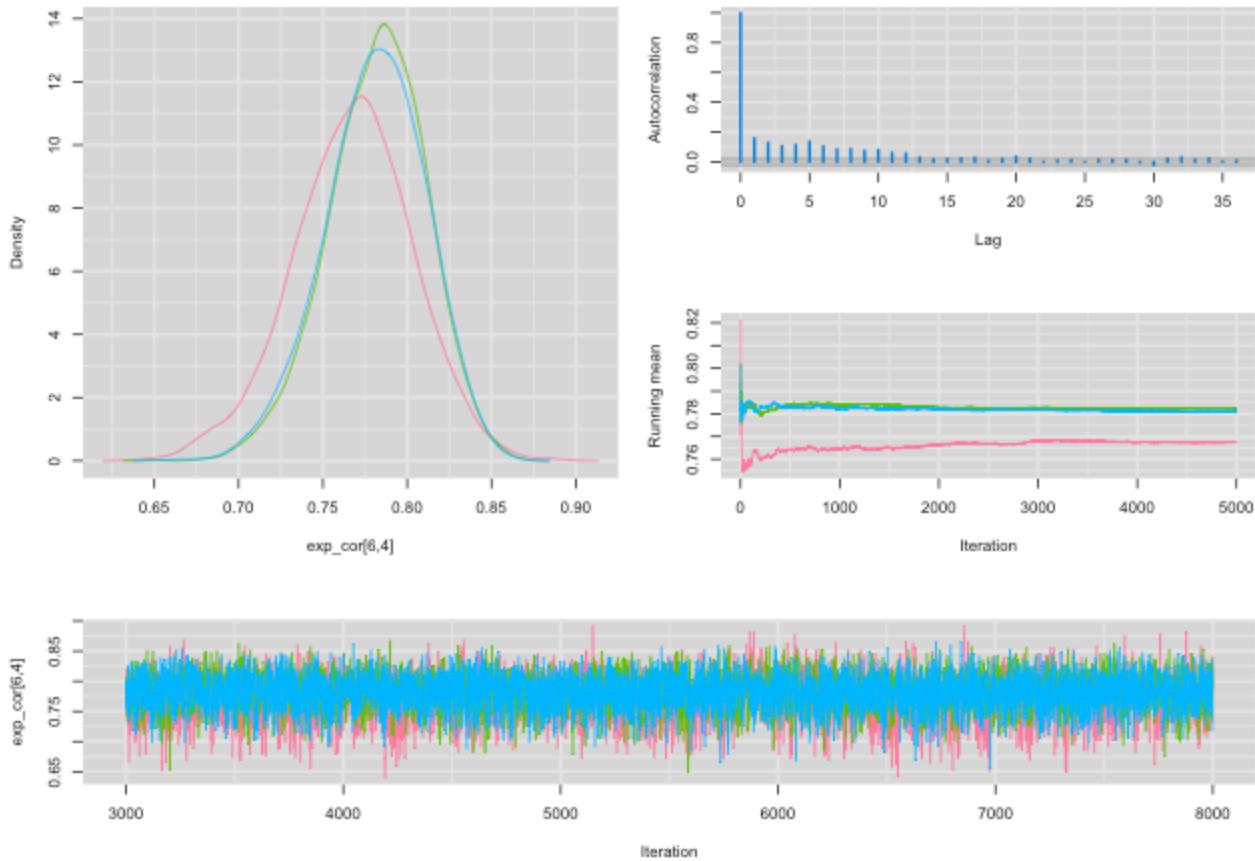
Diagnostics for $\exp_cor[5,3]$ **Diagnostics for $\exp_cor[6,3]$** 

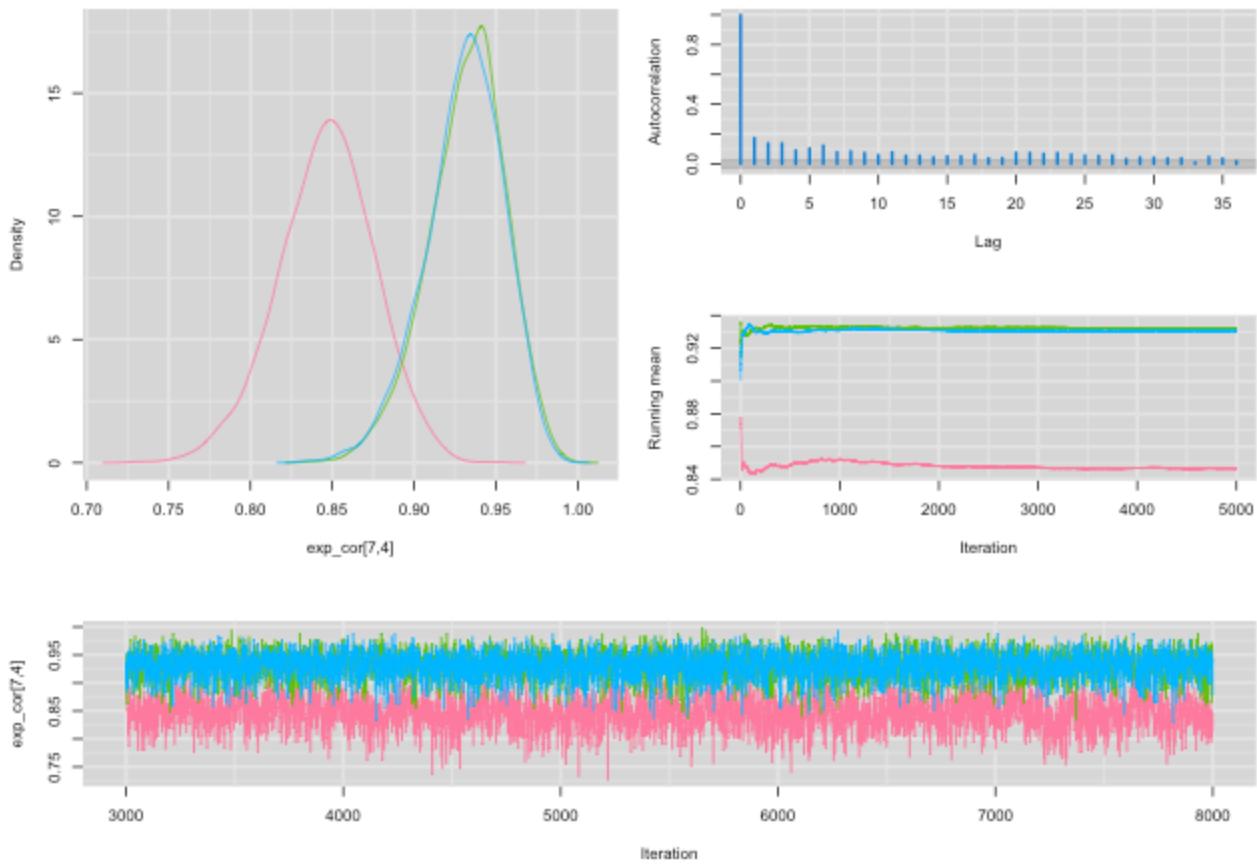
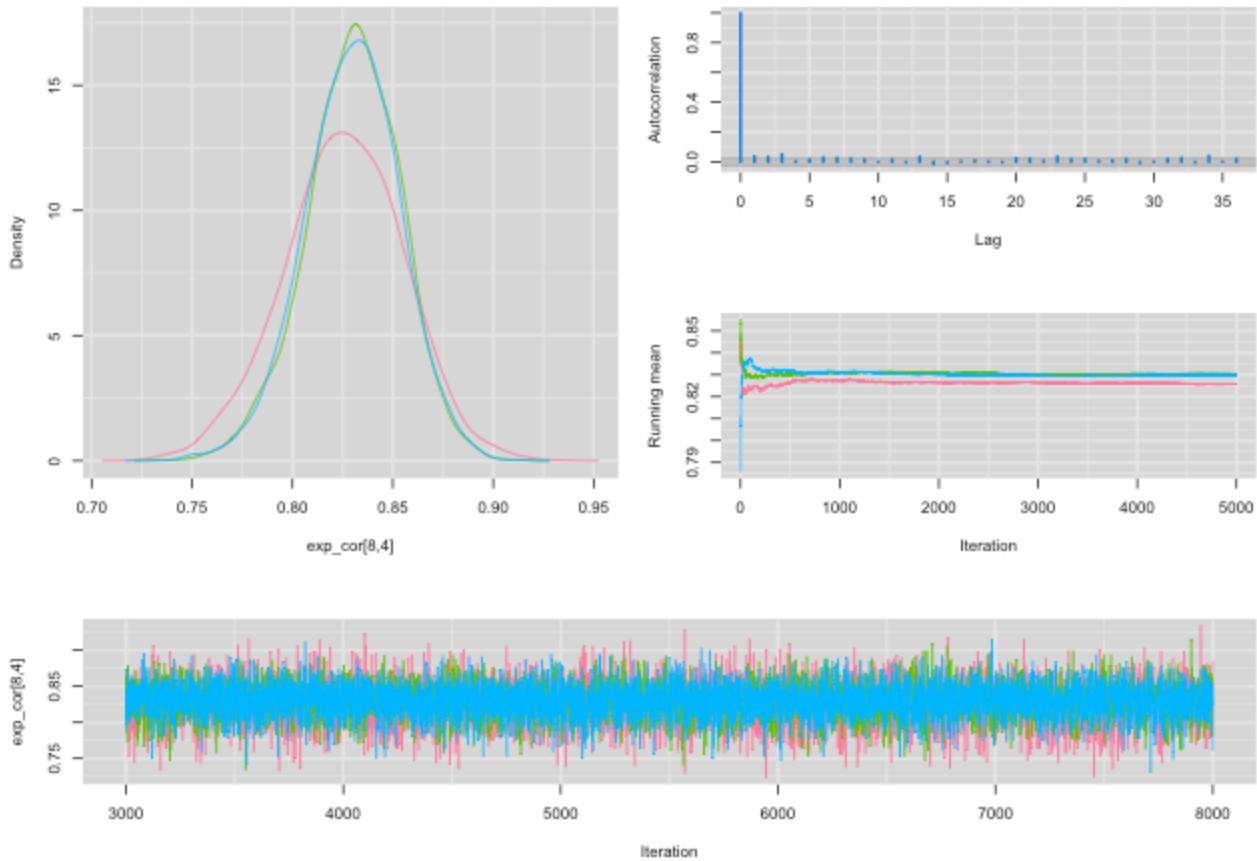
Diagnostics for $\exp_{\text{cor}}[7,3]$ **Diagnostics for $\exp_{\text{cor}}[8,3]$** 

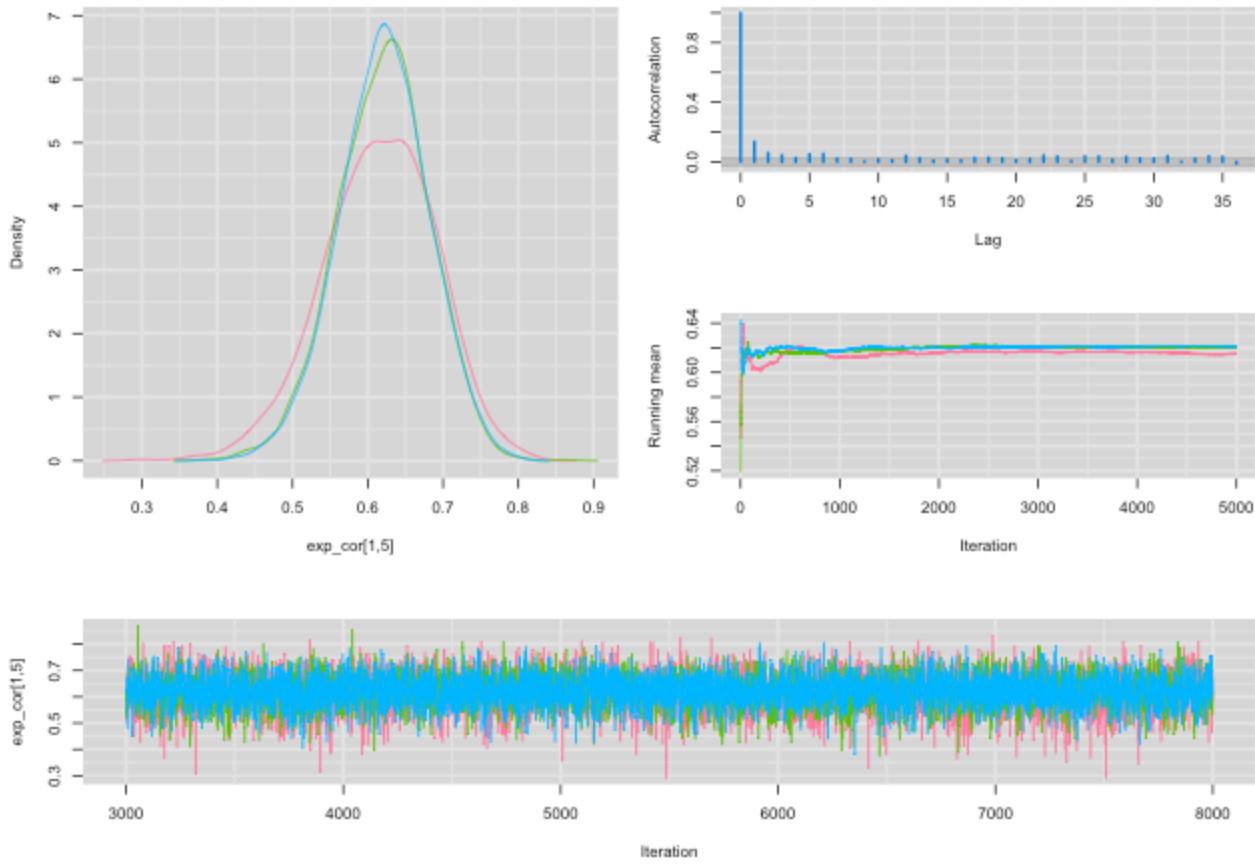
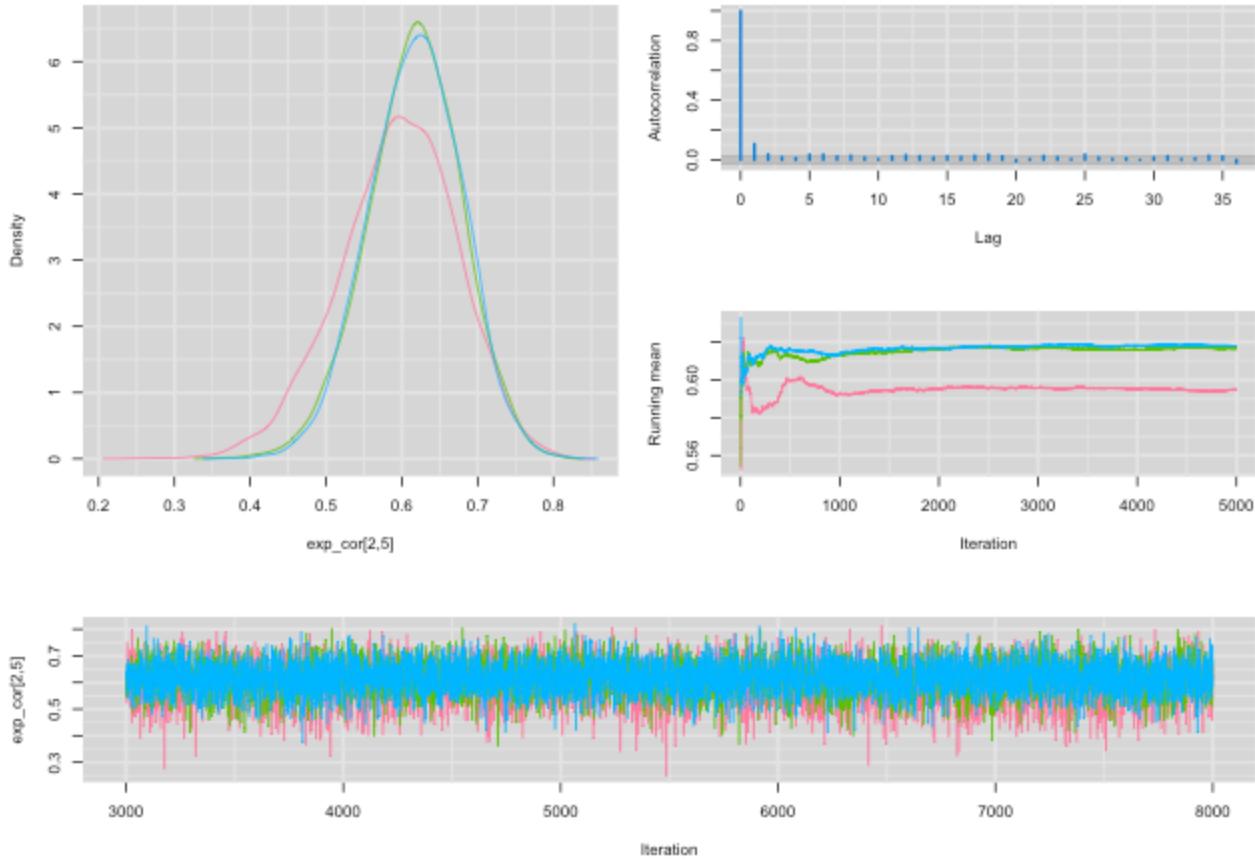
Diagnostics for $\exp_cor[1,4]$ **Diagnostics for $\exp_cor[2,4]$** 

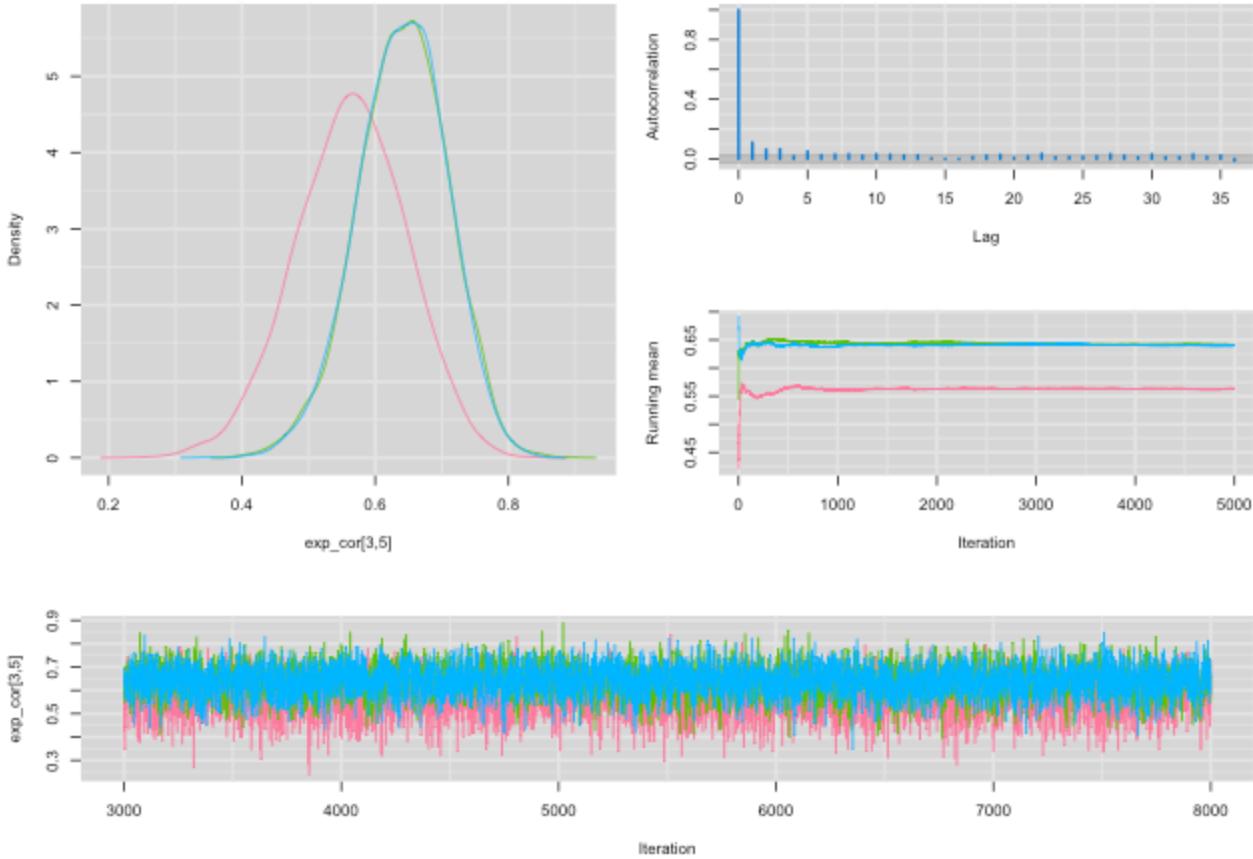
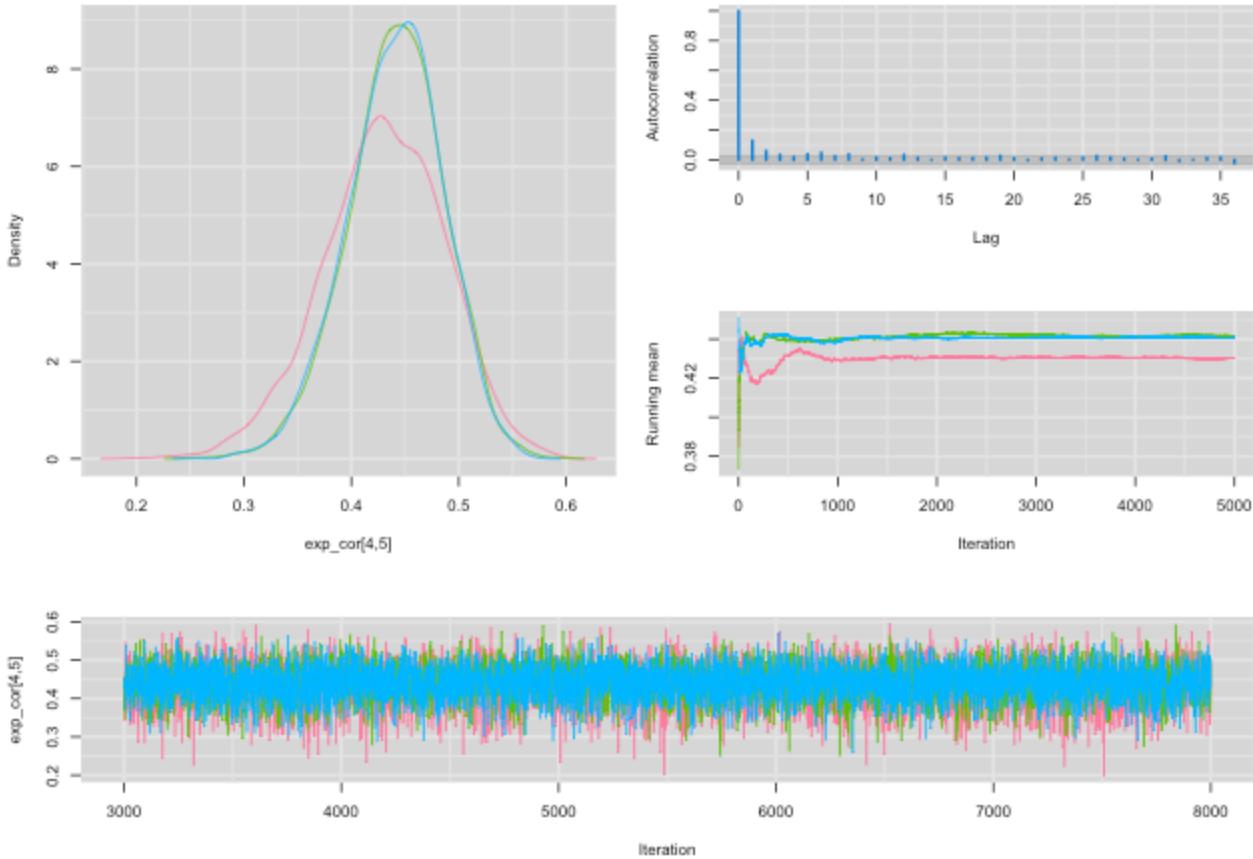
Diagnostics for `exp_cor[3,4]`

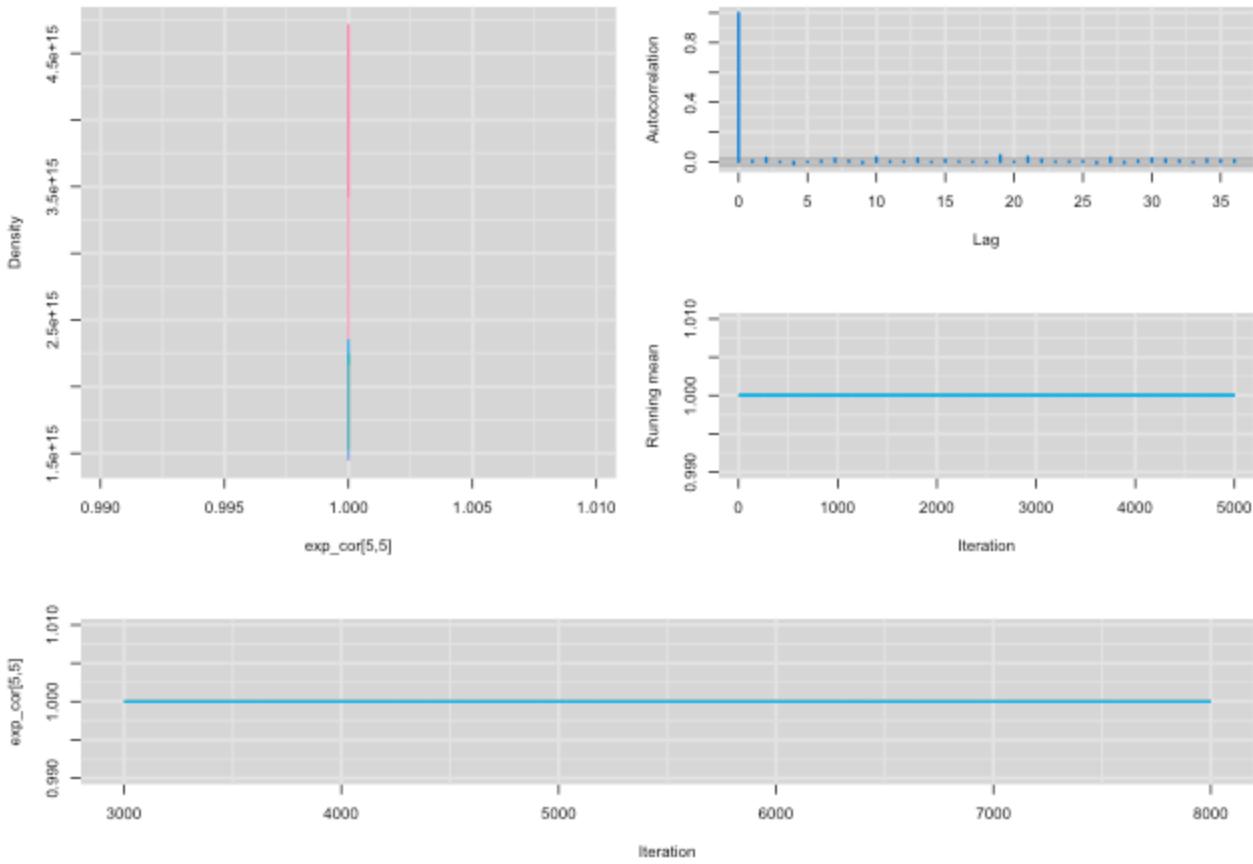
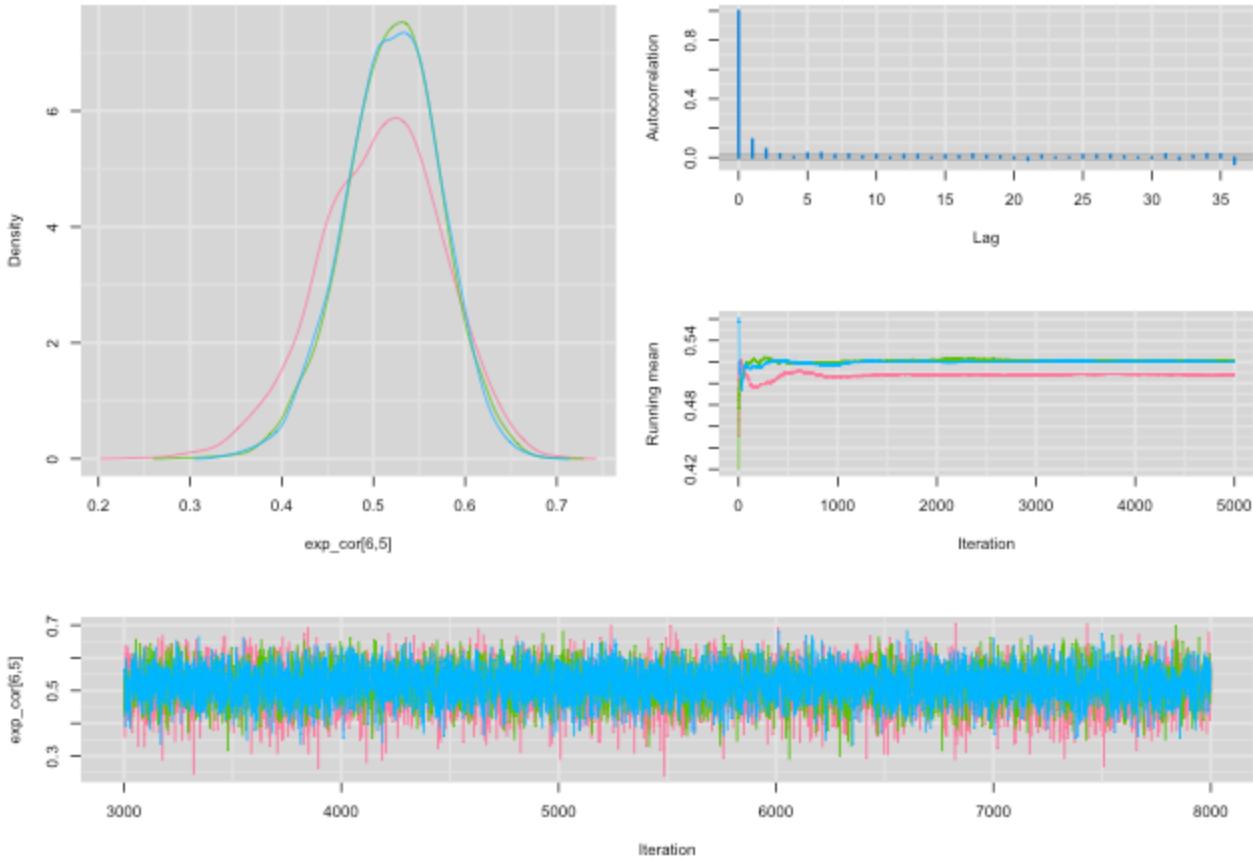
`exp_cor[4,4]`. Error in `bw.SJ(x, method = "ste")`: sample is too sparse to find TD

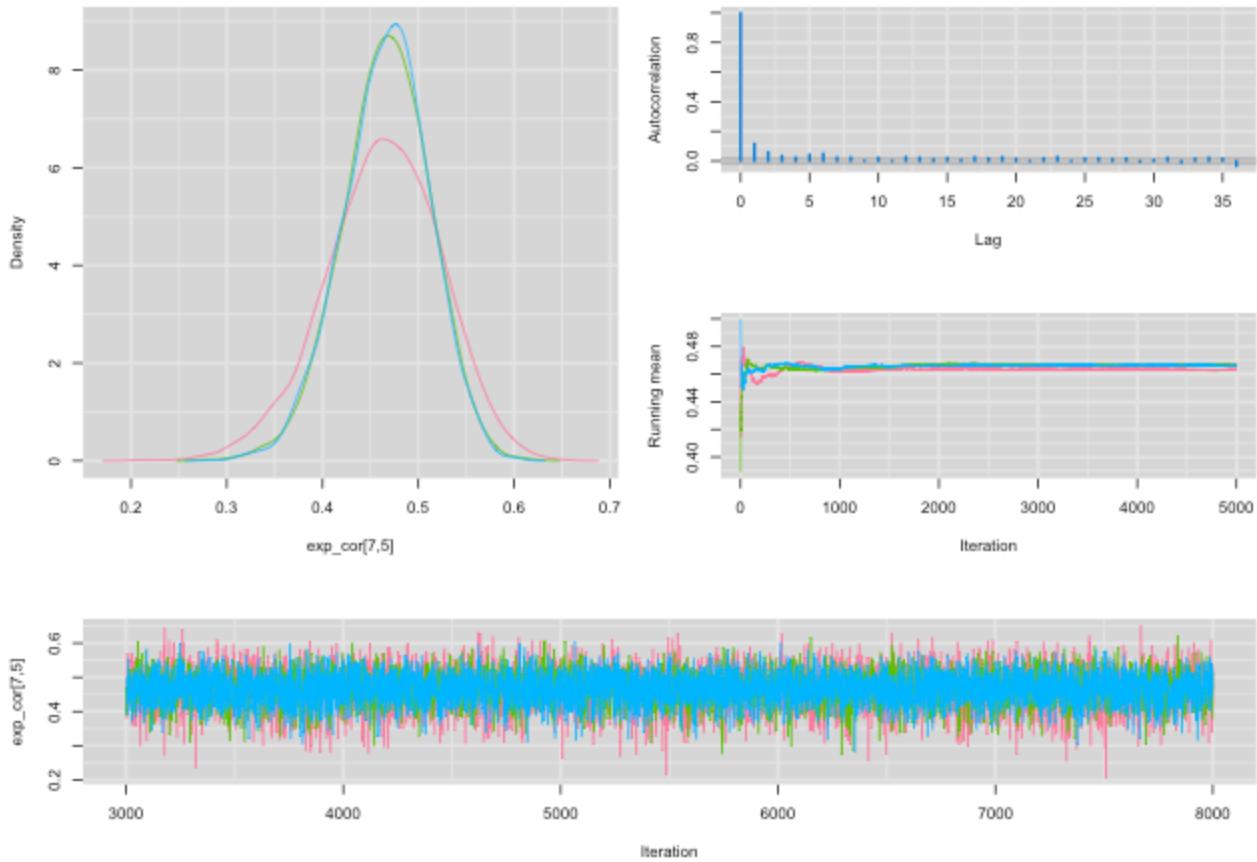
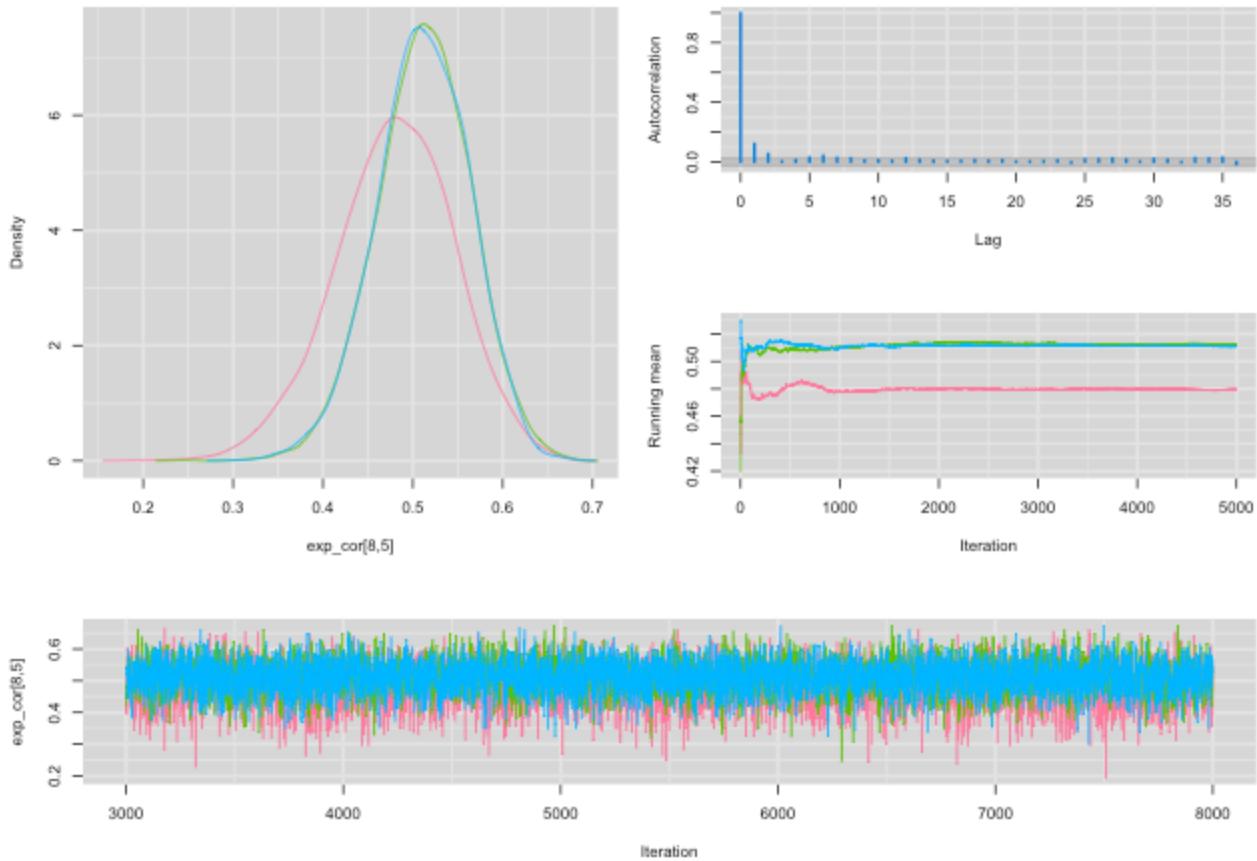
Diagnostics for $\exp_cor[5,4]$ **Diagnostics for $\exp_cor[6,4]$** 

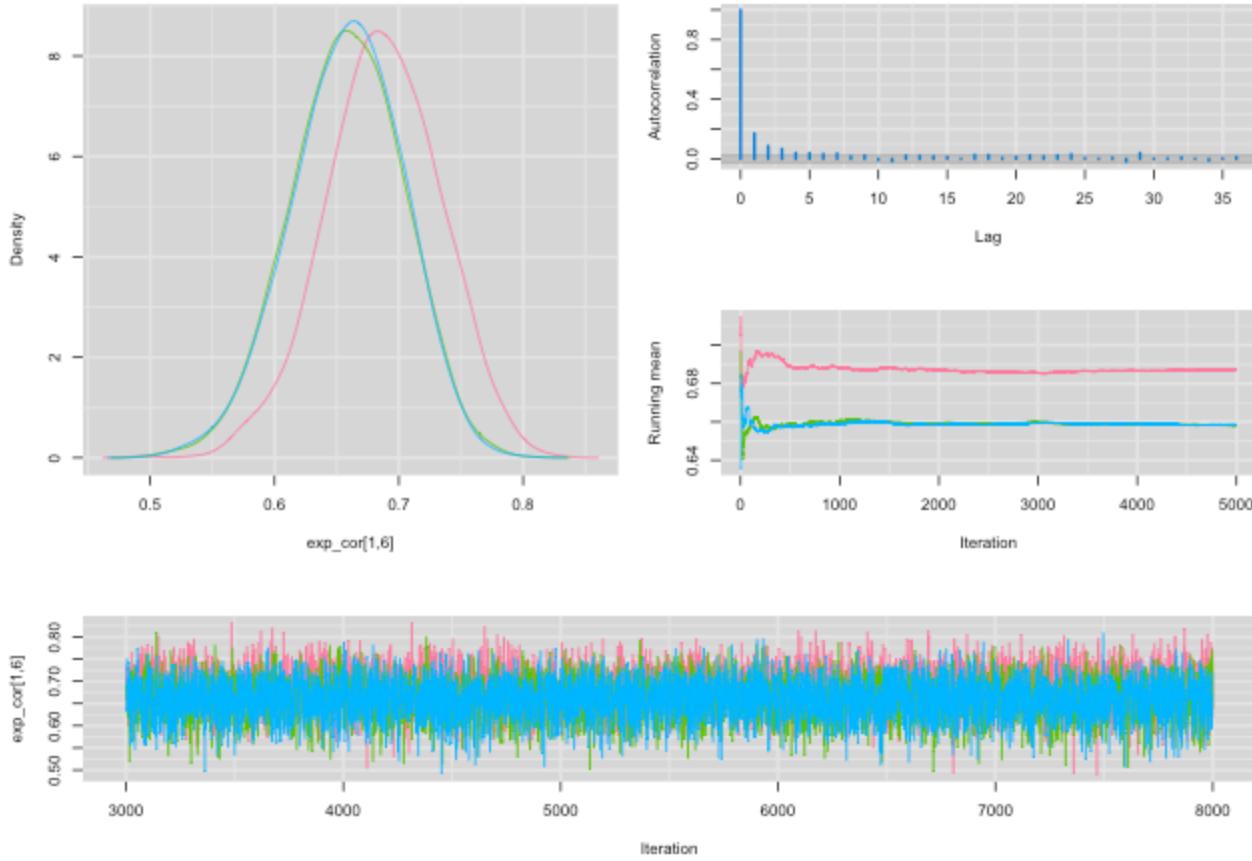
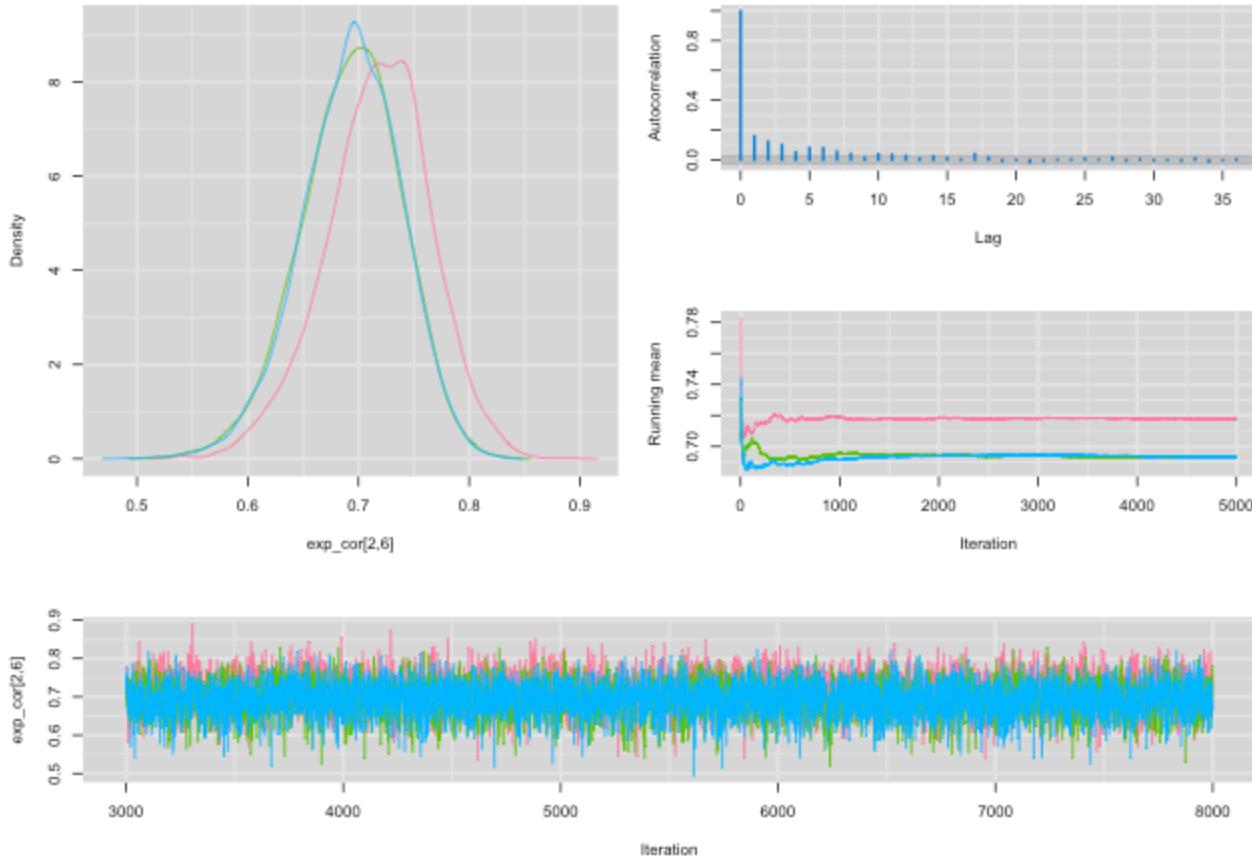
Diagnostics for exp_cor[7,4]**Diagnostics for exp_cor[8,4]**

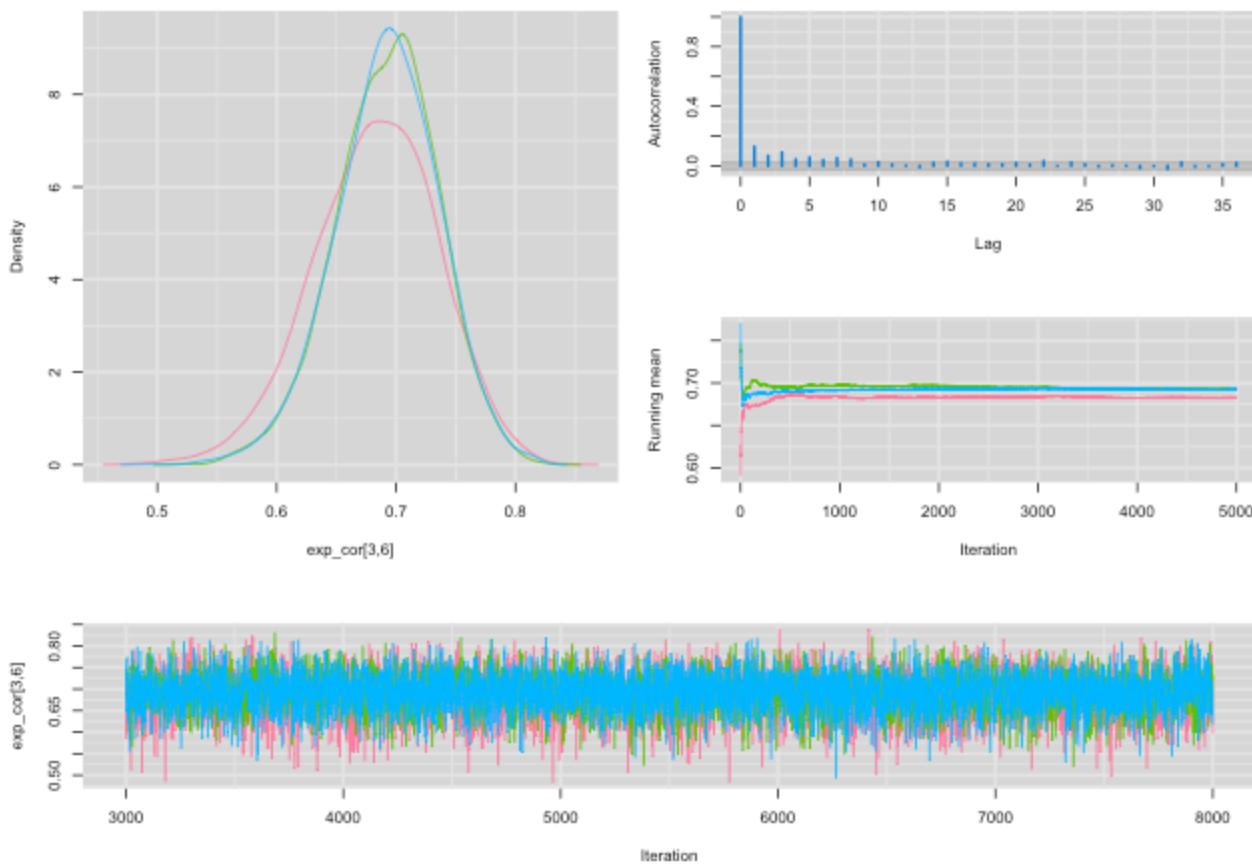
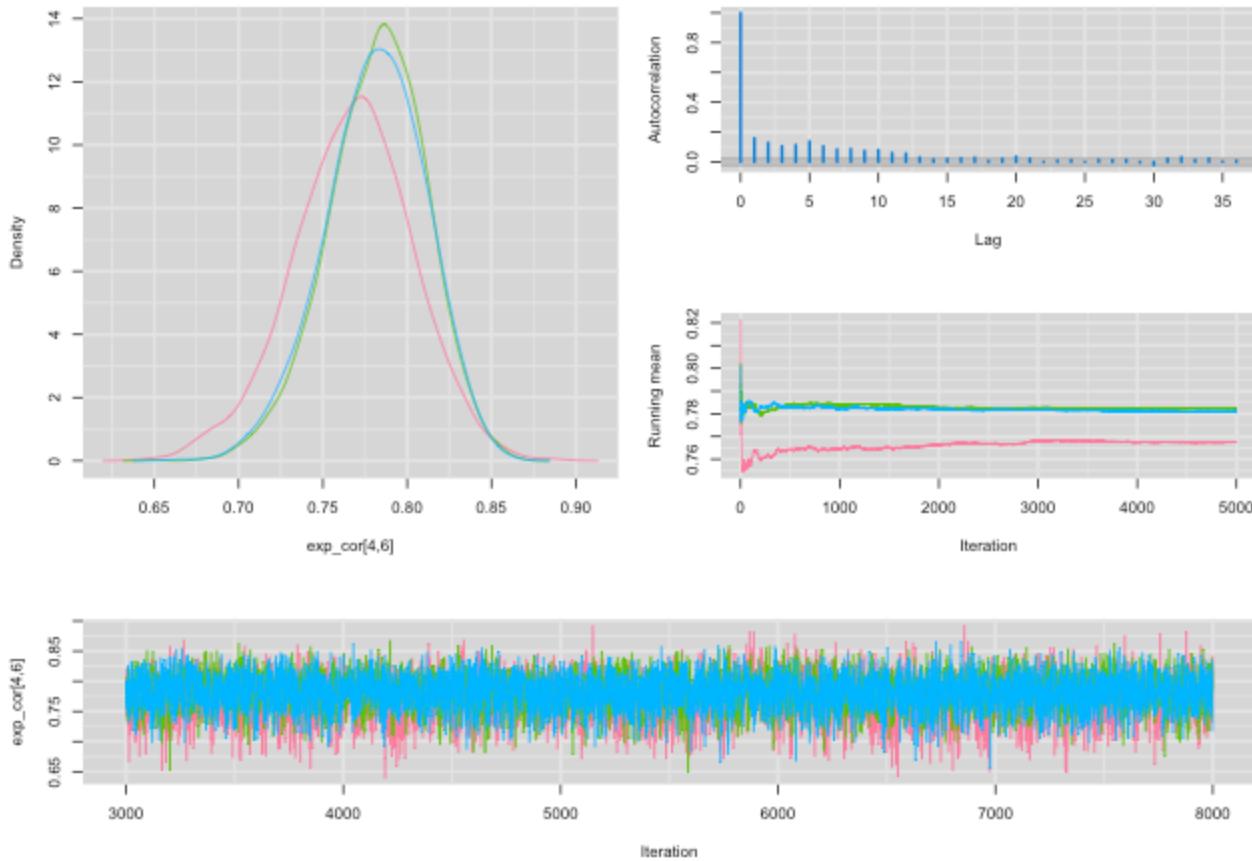
Diagnostics for $\exp_cor[1,5]$ **Diagnostics for $\exp_cor[2,5]$** 

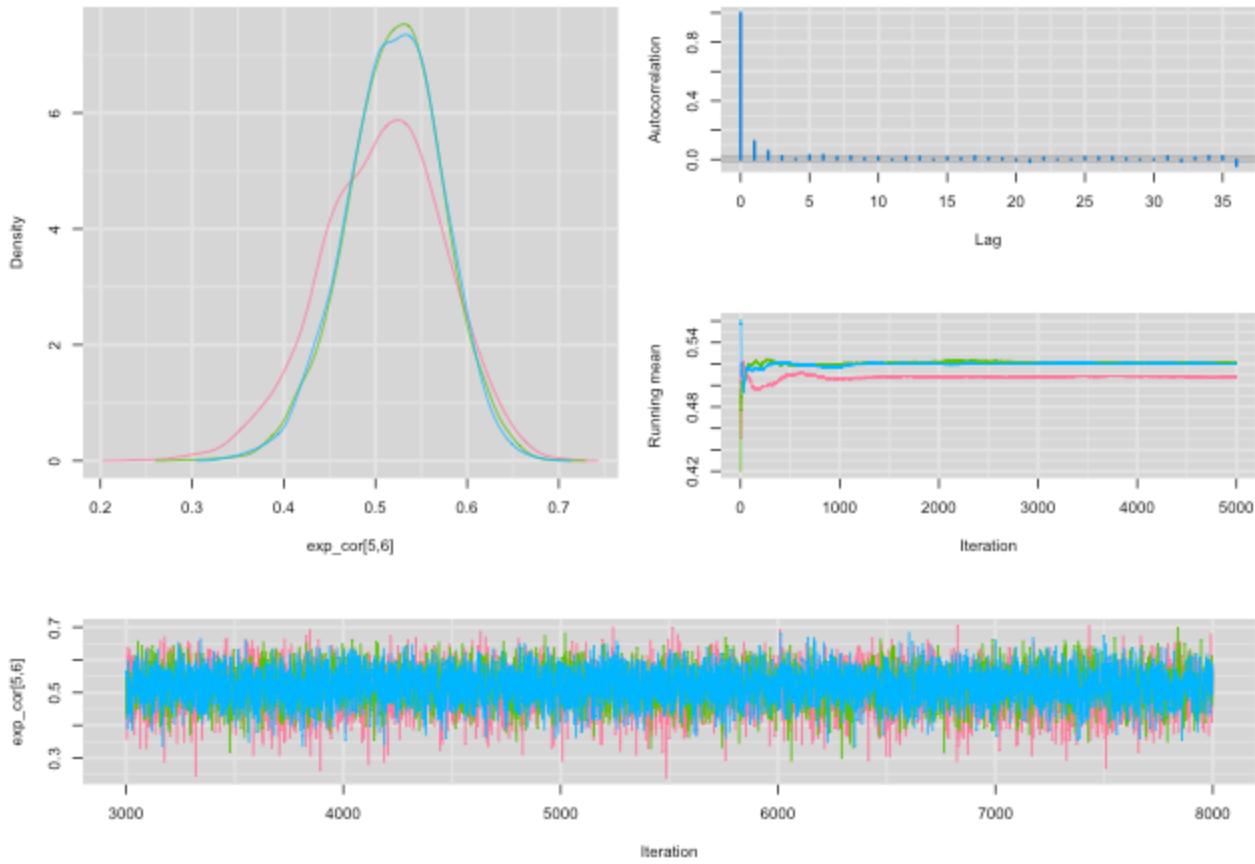
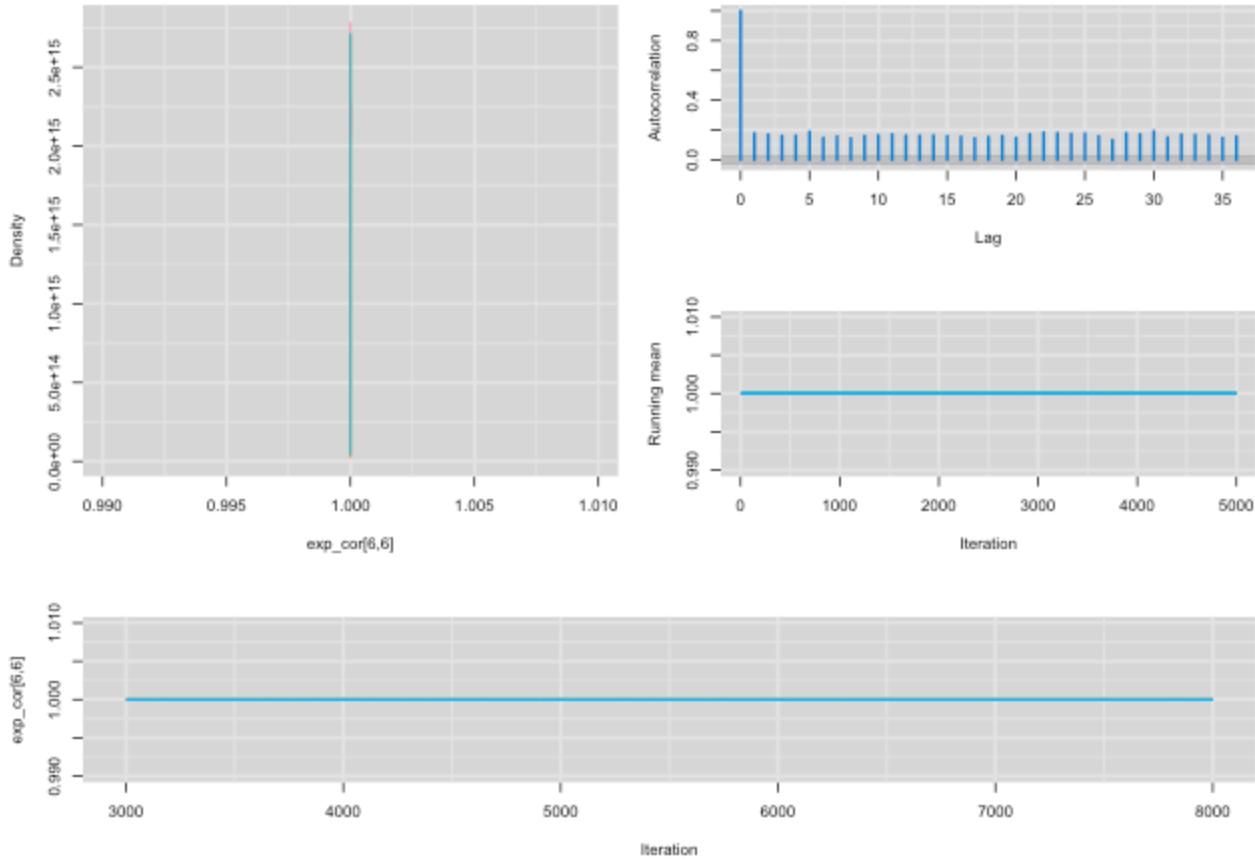
Diagnostics for $\exp_cor[3,5]$ **Diagnostics for $\exp_cor[4,5]$** 

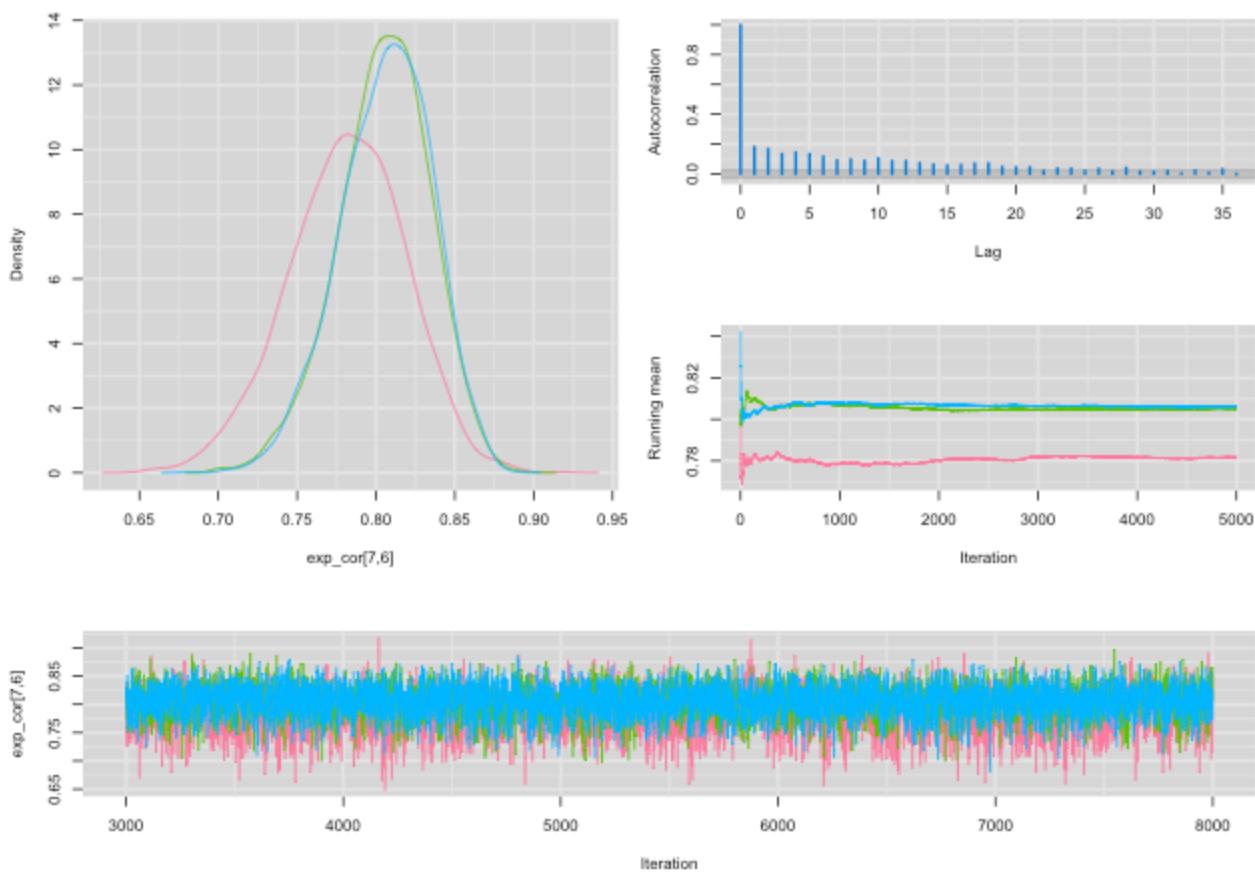
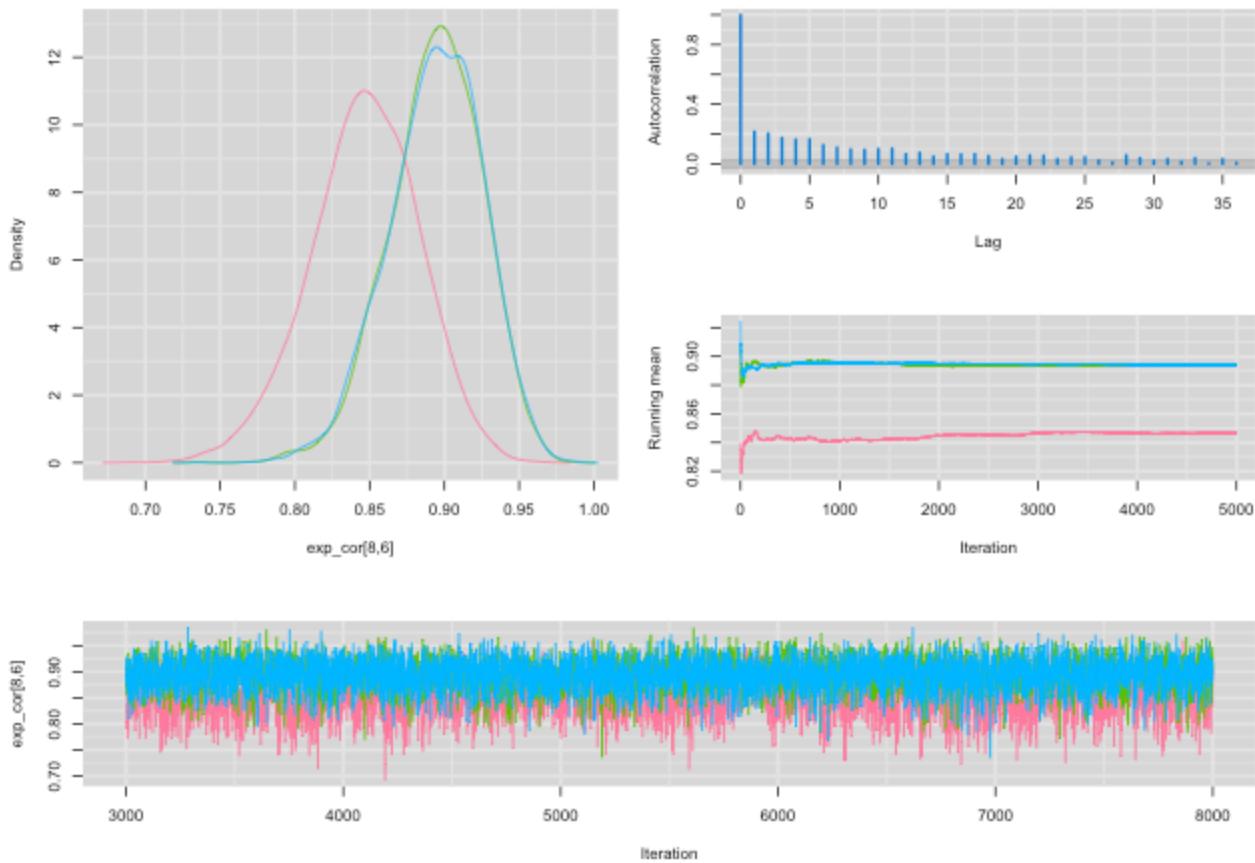
Diagnostics for $\exp_cor[5,5]$ **Diagnostics for $\exp_cor[6,5]$** 

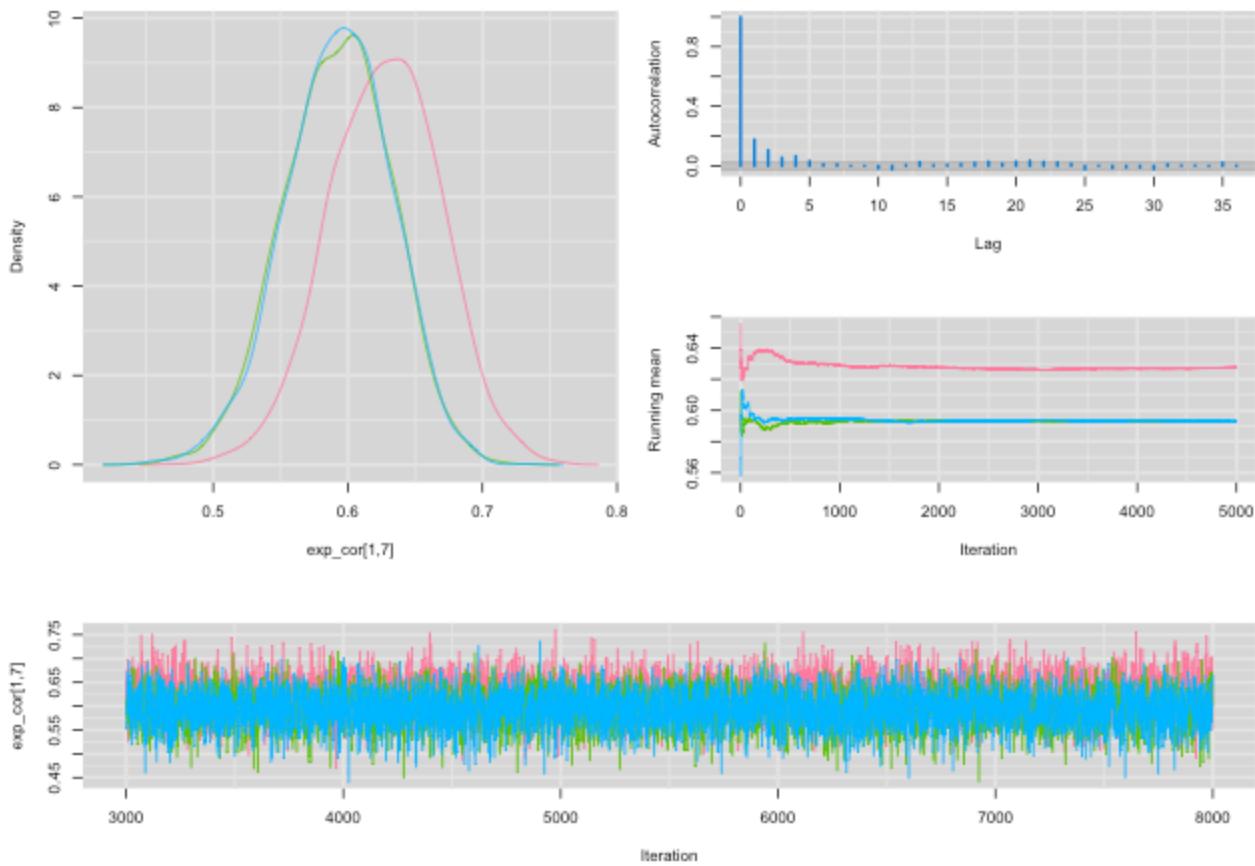
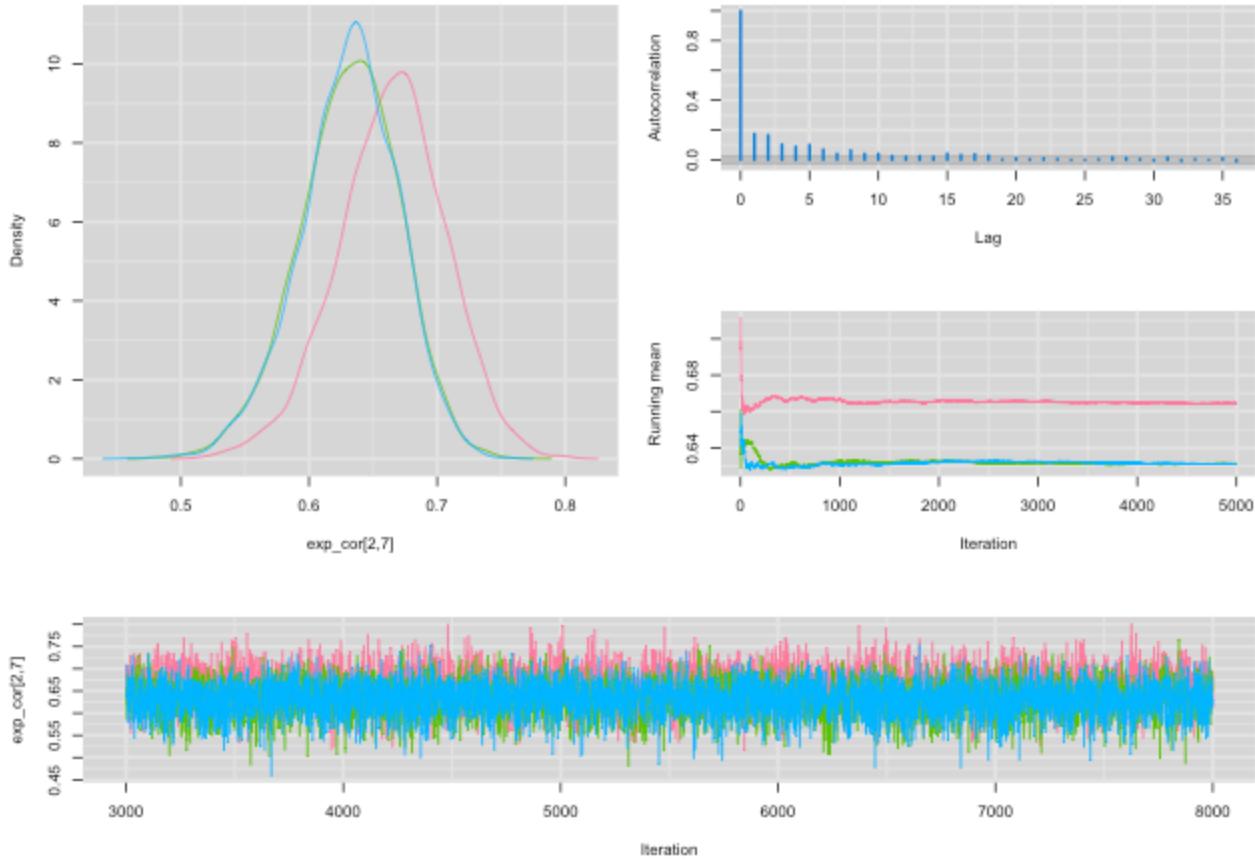
Diagnostics for $\exp_cor[7,5]$ **Diagnostics for $\exp_cor[8,5]$** 

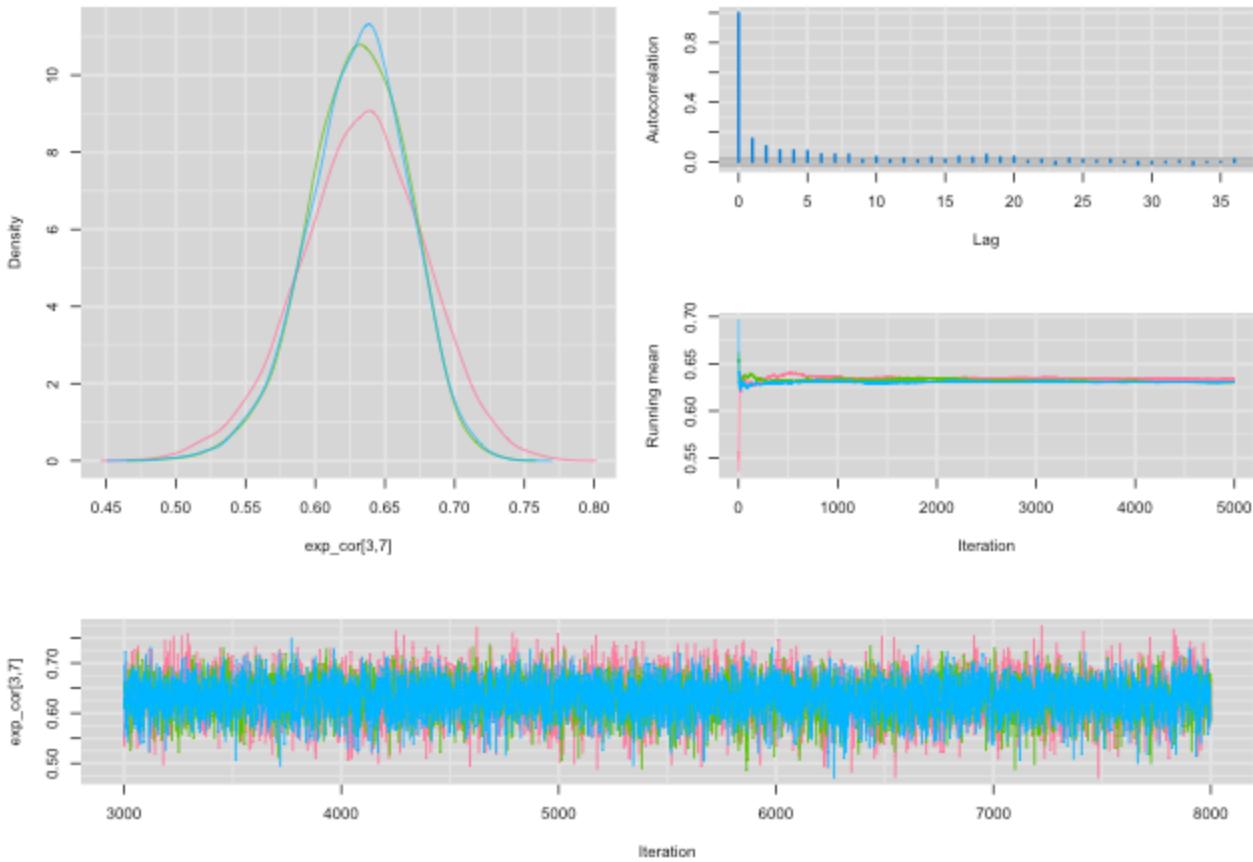
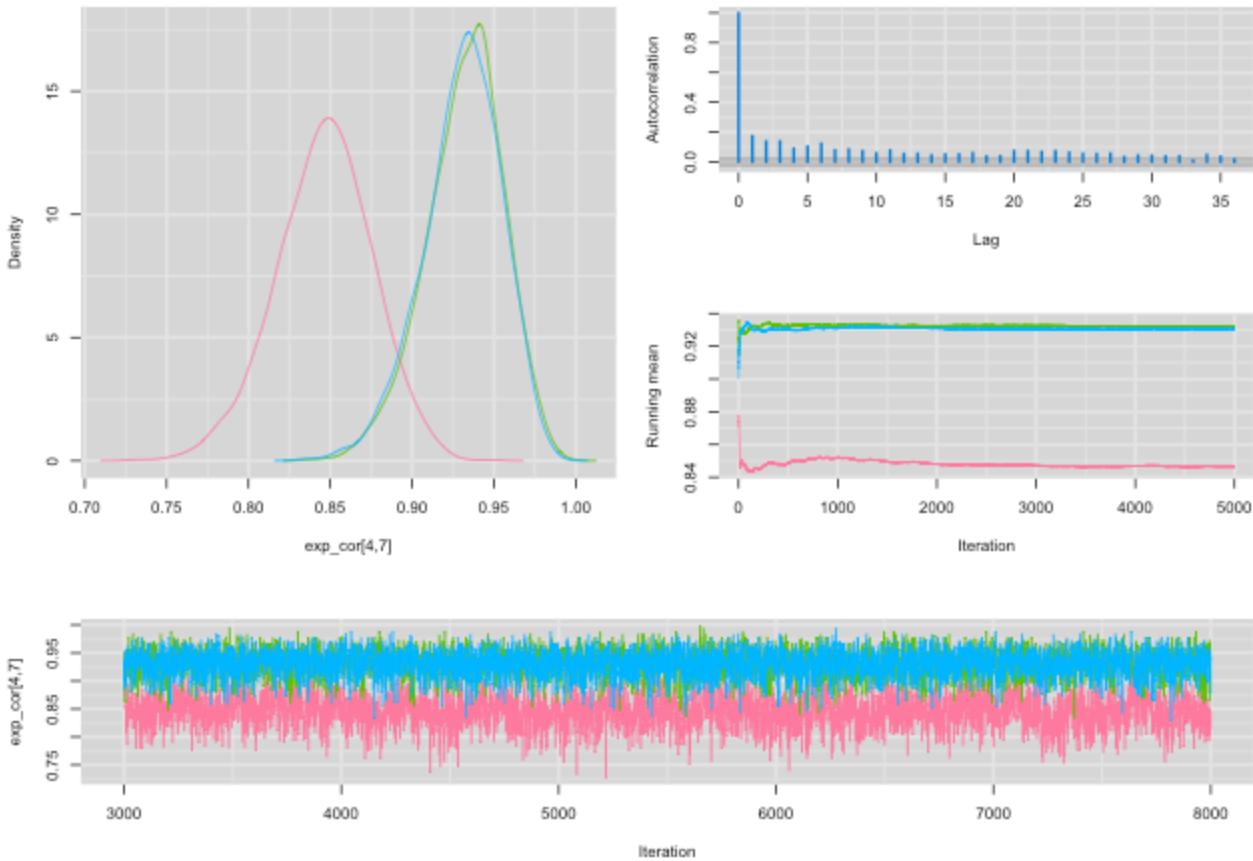
Diagnostics for exp_cor[1,6]**Diagnostics for exp_cor[2,6]**

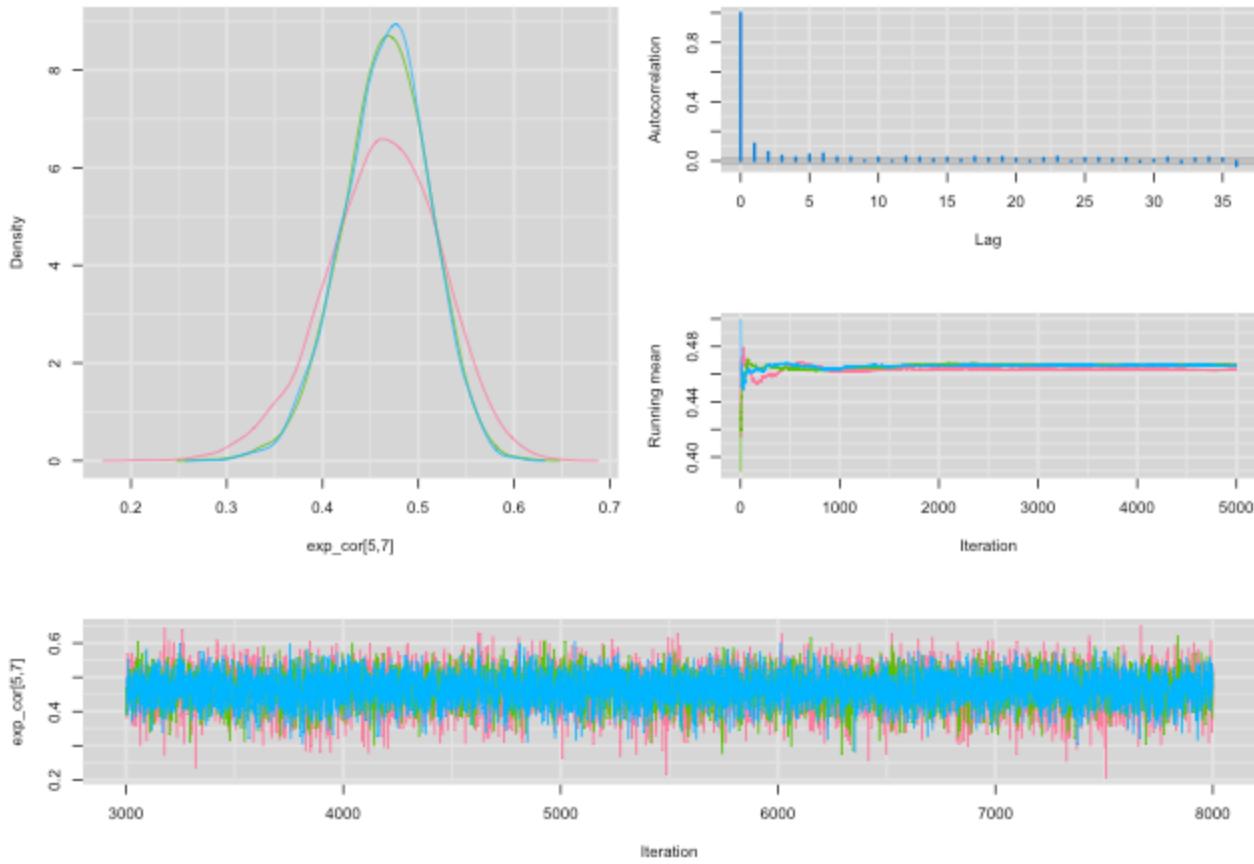
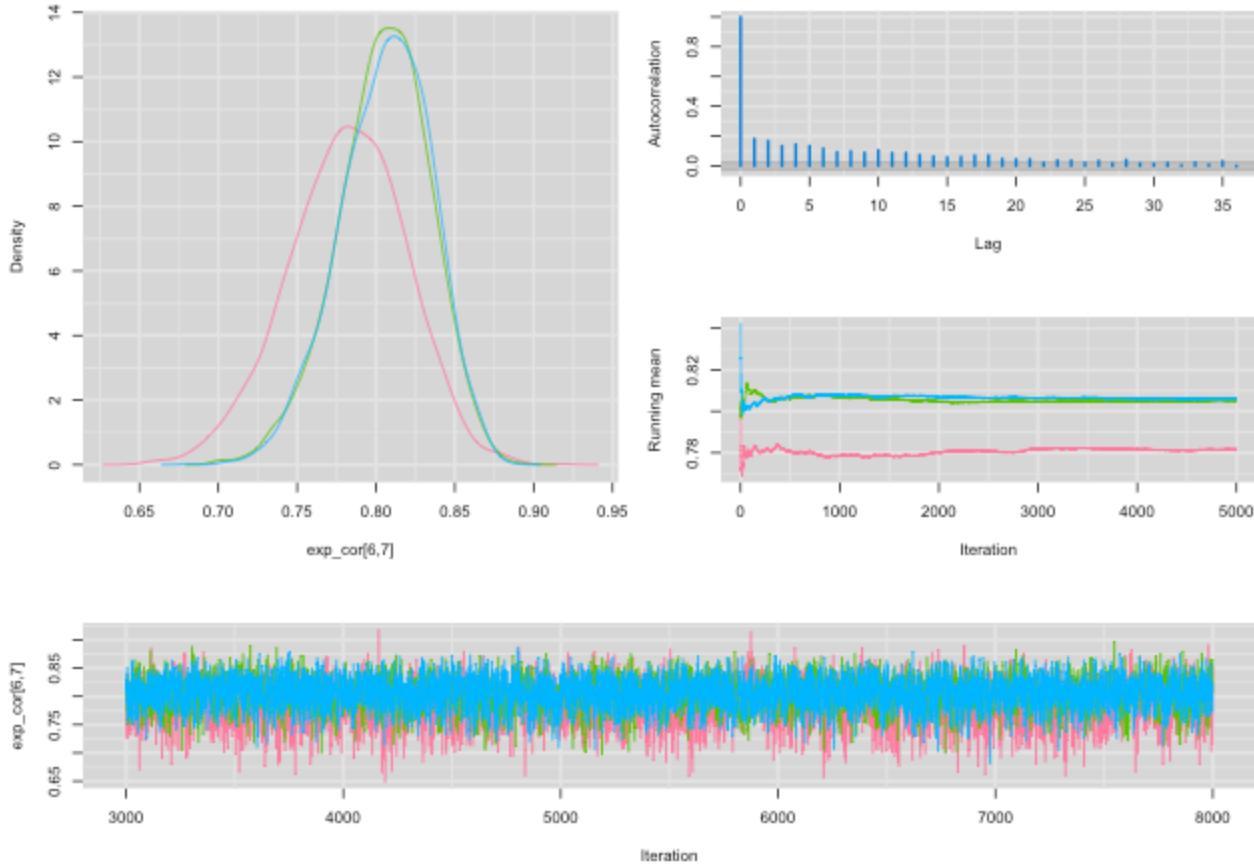
Diagnostics for $\exp_cor[3,6]$ **Diagnostics for $\exp_cor[4,6]$** 

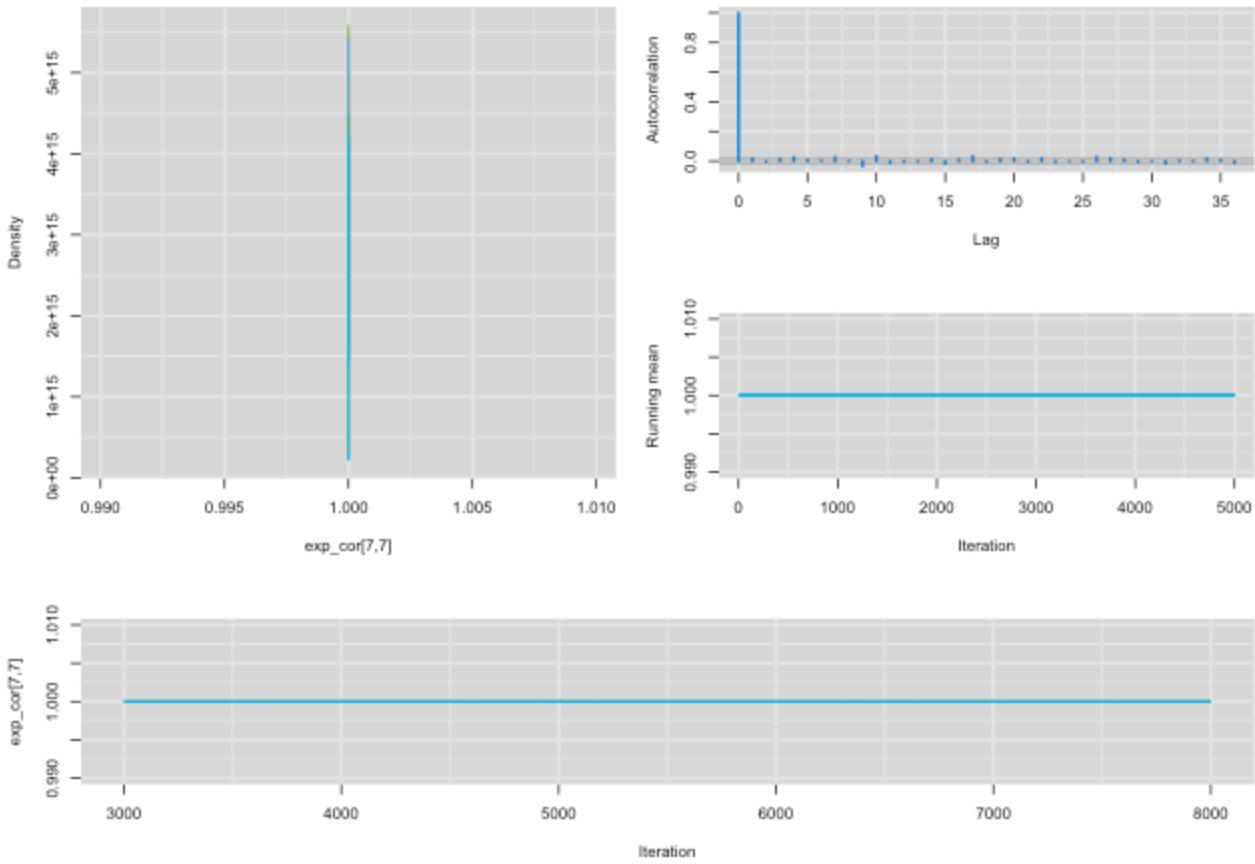
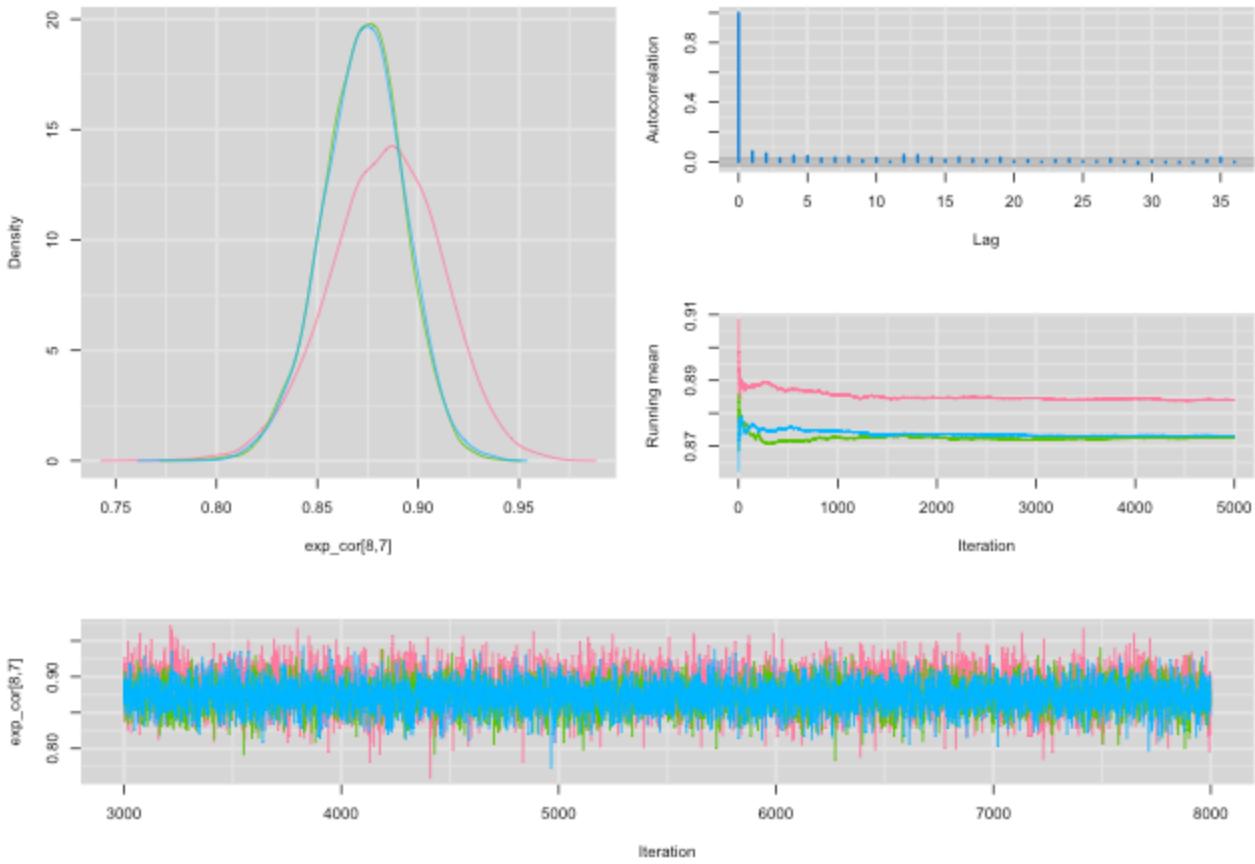
Diagnostics for exp_cor[5,6]**Diagnostics for exp_cor[6,6]**

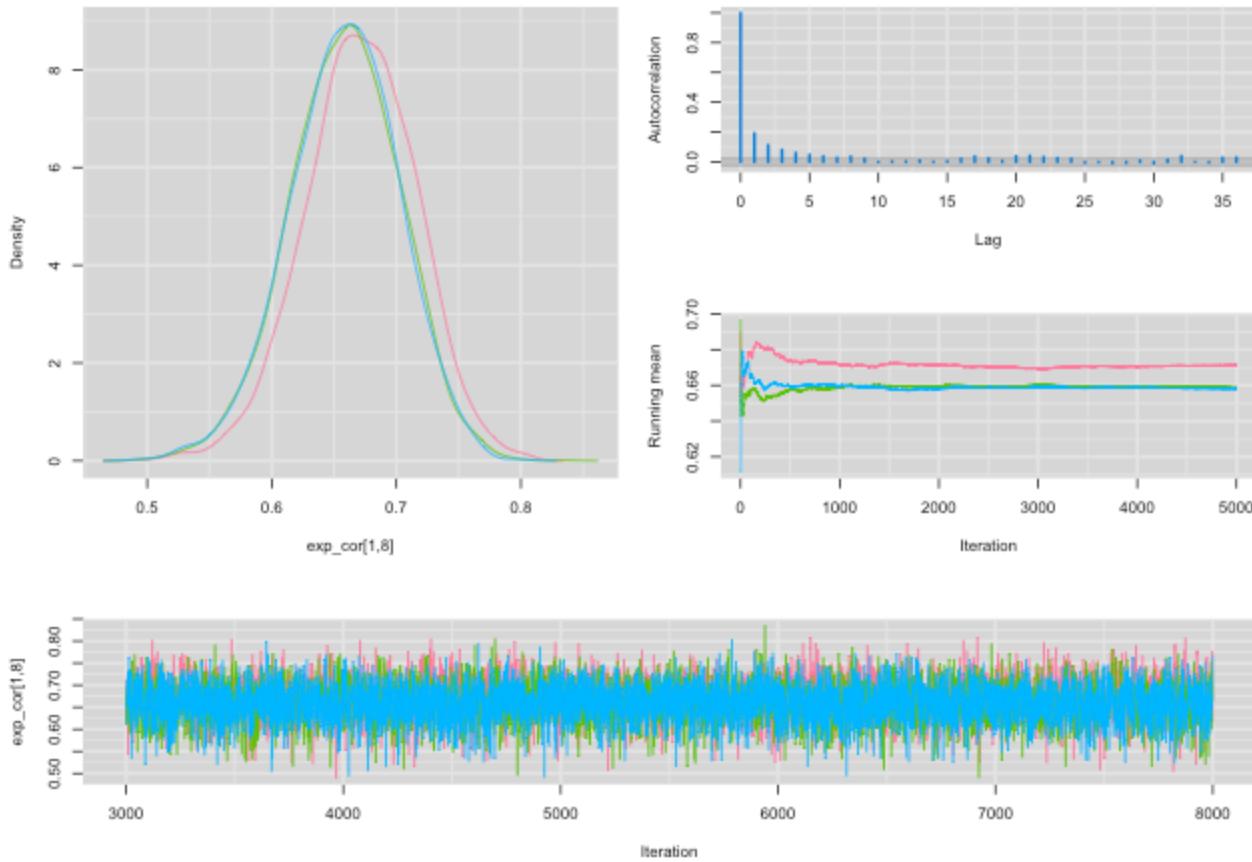
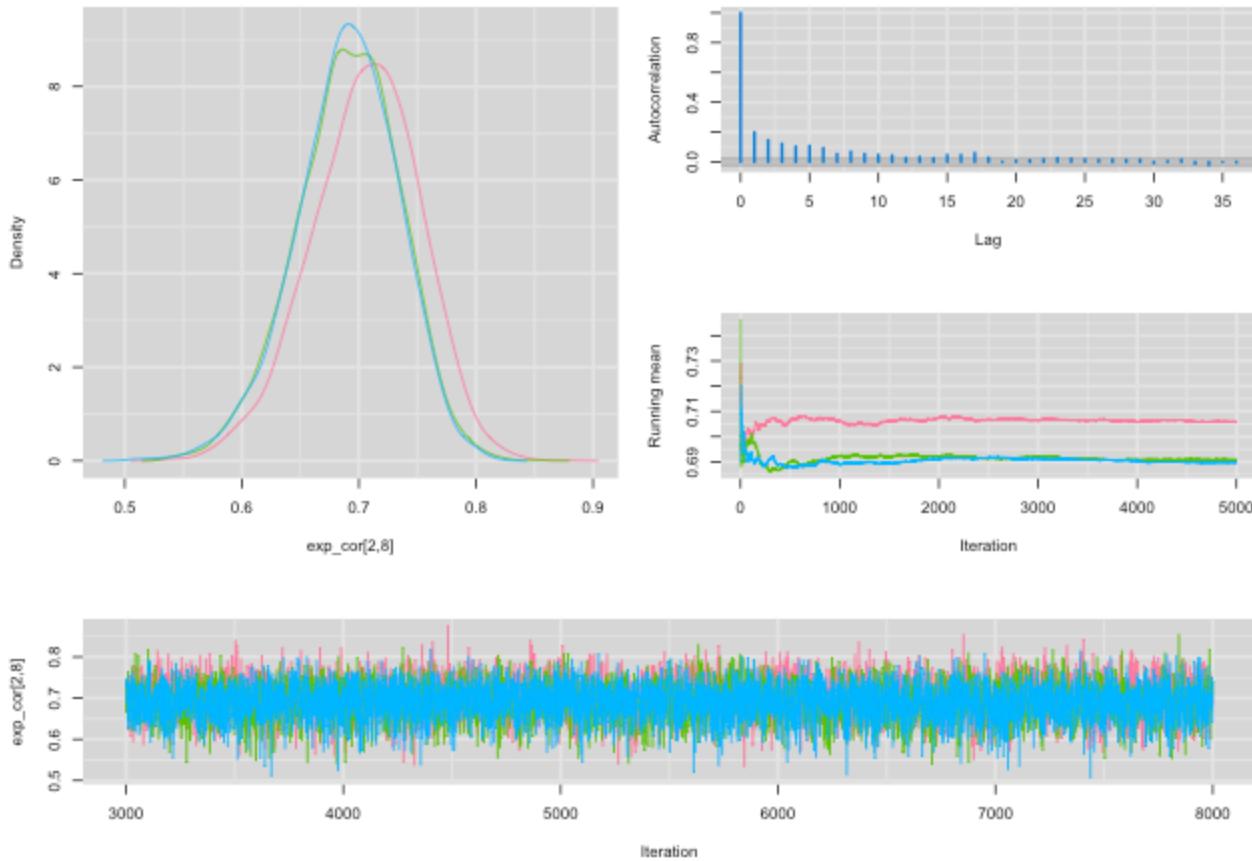
Diagnostics for $\exp_cor[7,6]$ **Diagnostics for $\exp_cor[8,6]$** 

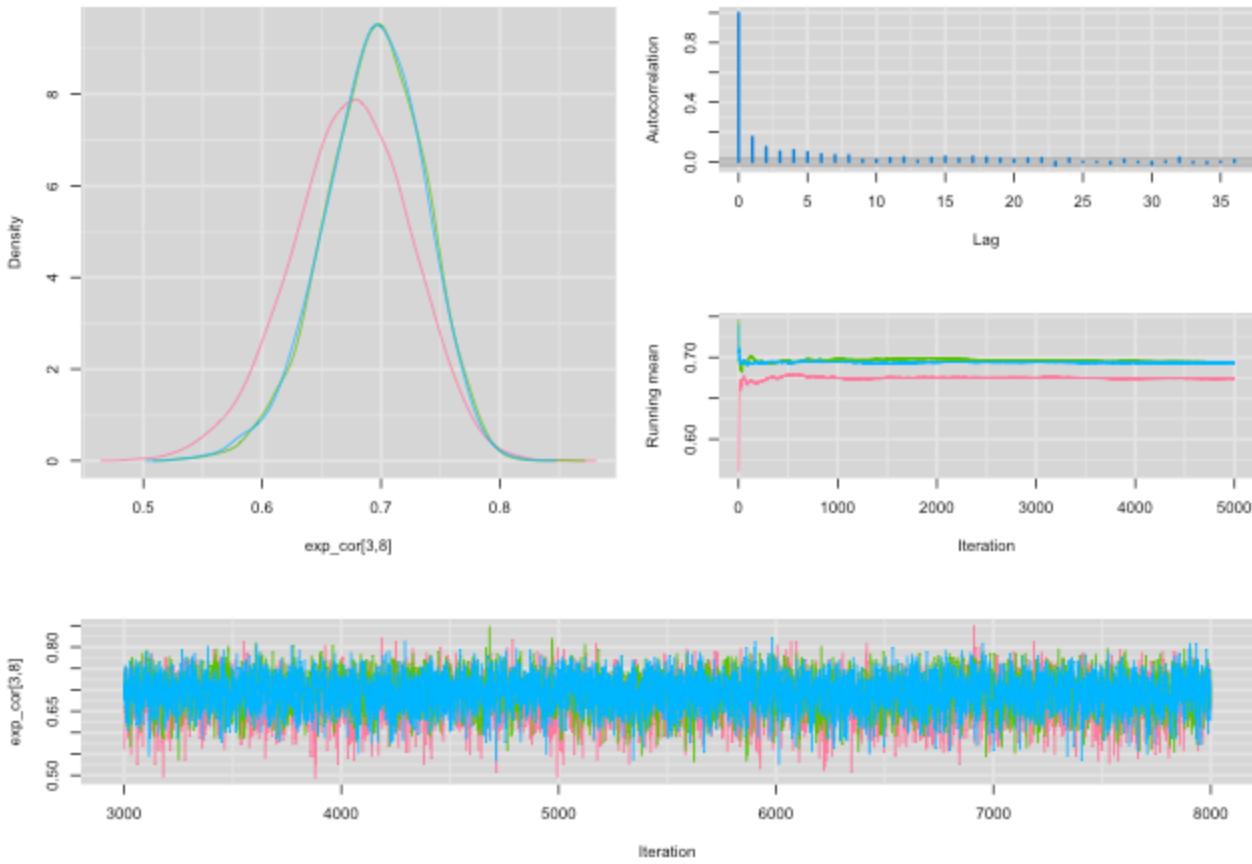
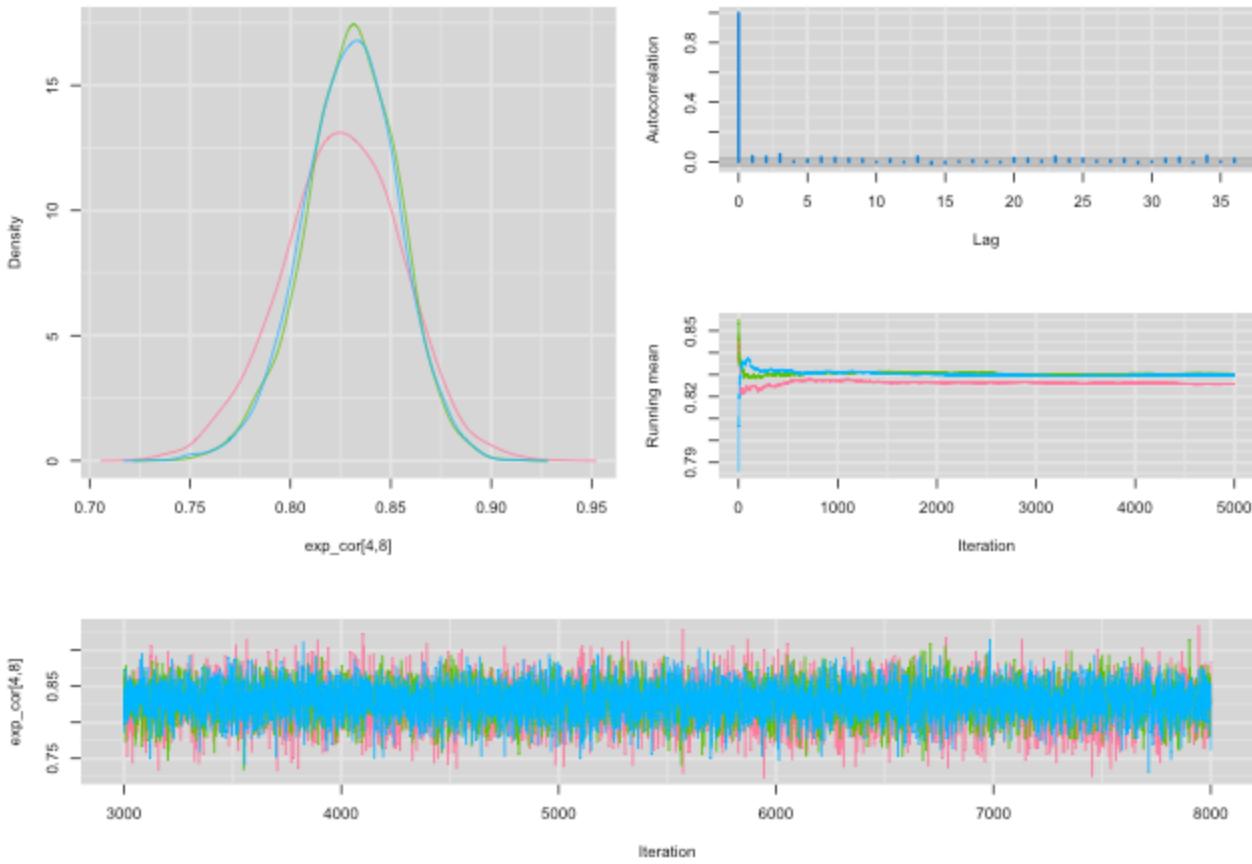
Diagnostics for exp_cor[1,7]**Diagnostics for exp_cor[2,7]**

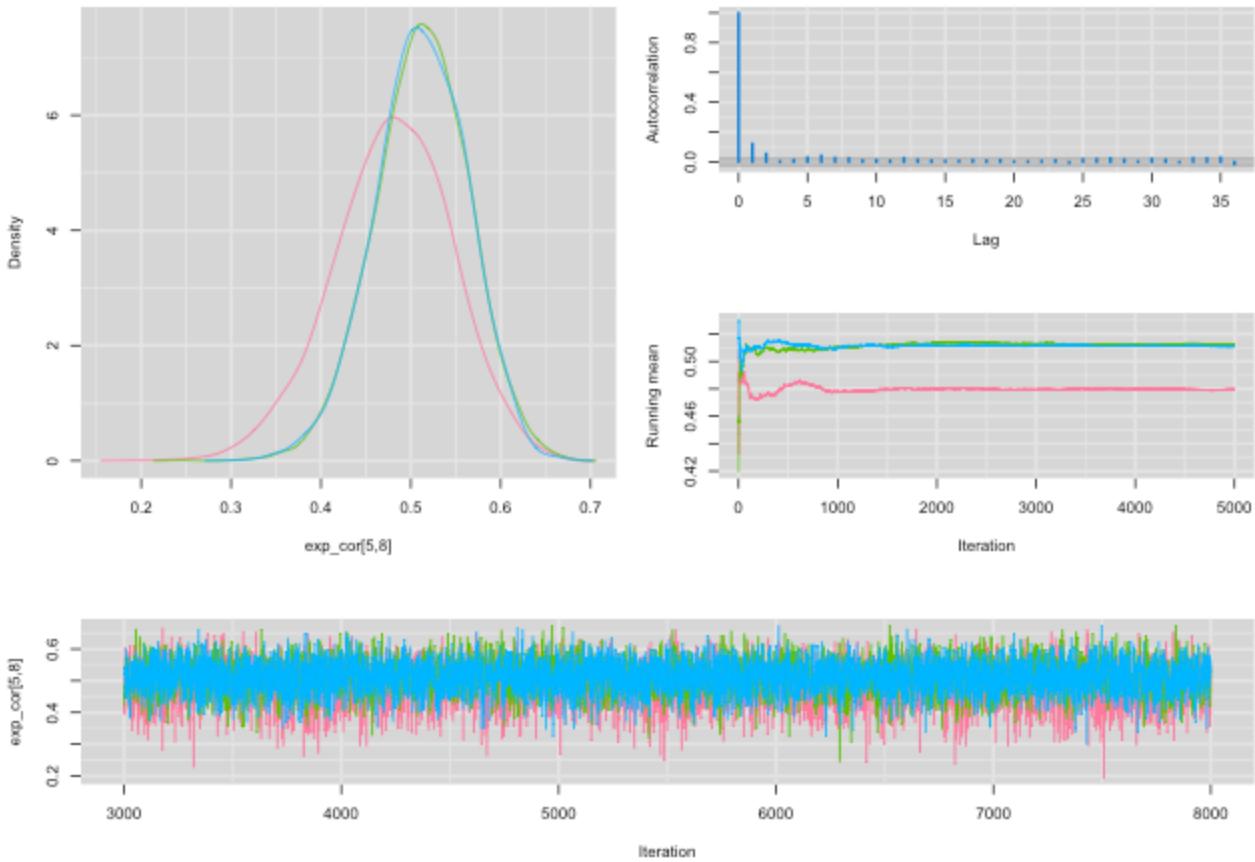
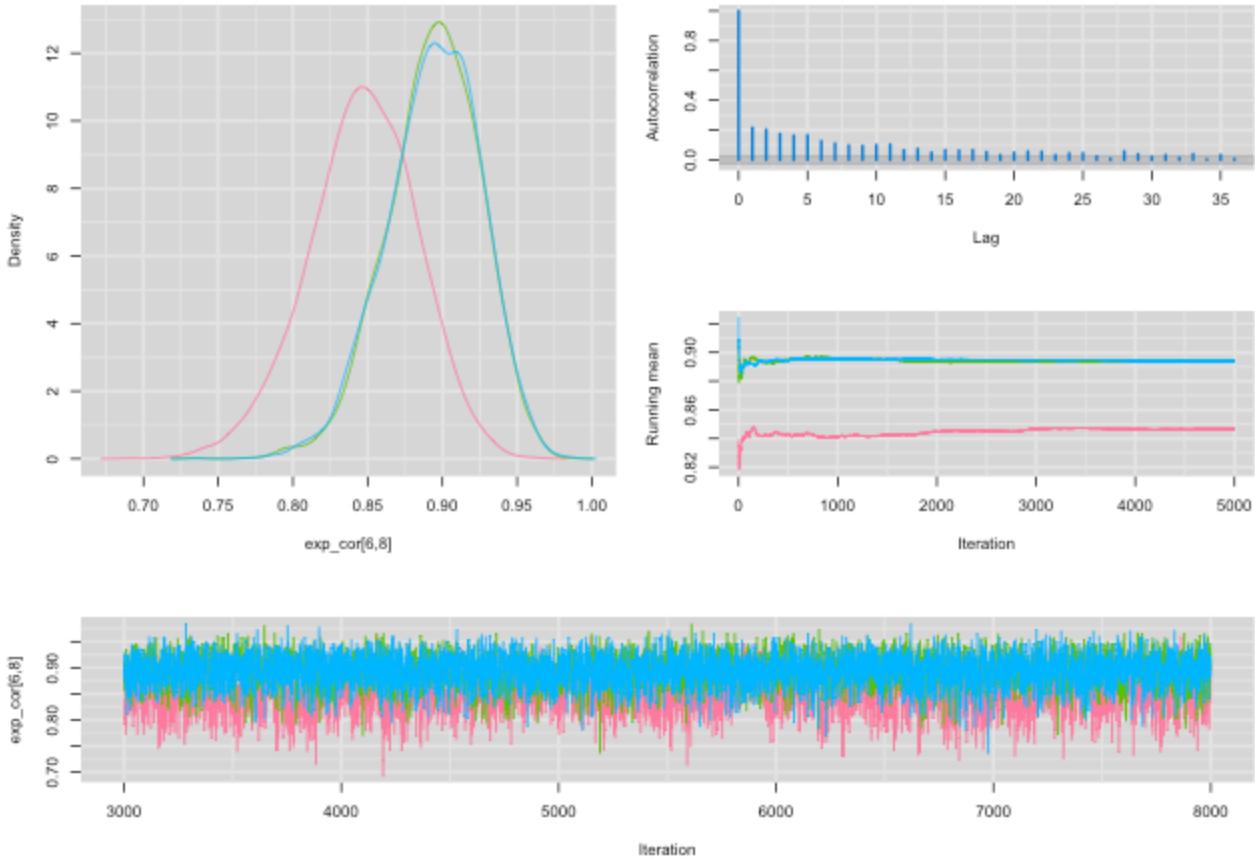
Diagnostics for $\exp_cor[3,7]$ **Diagnostics for $\exp_cor[4,7]$** 

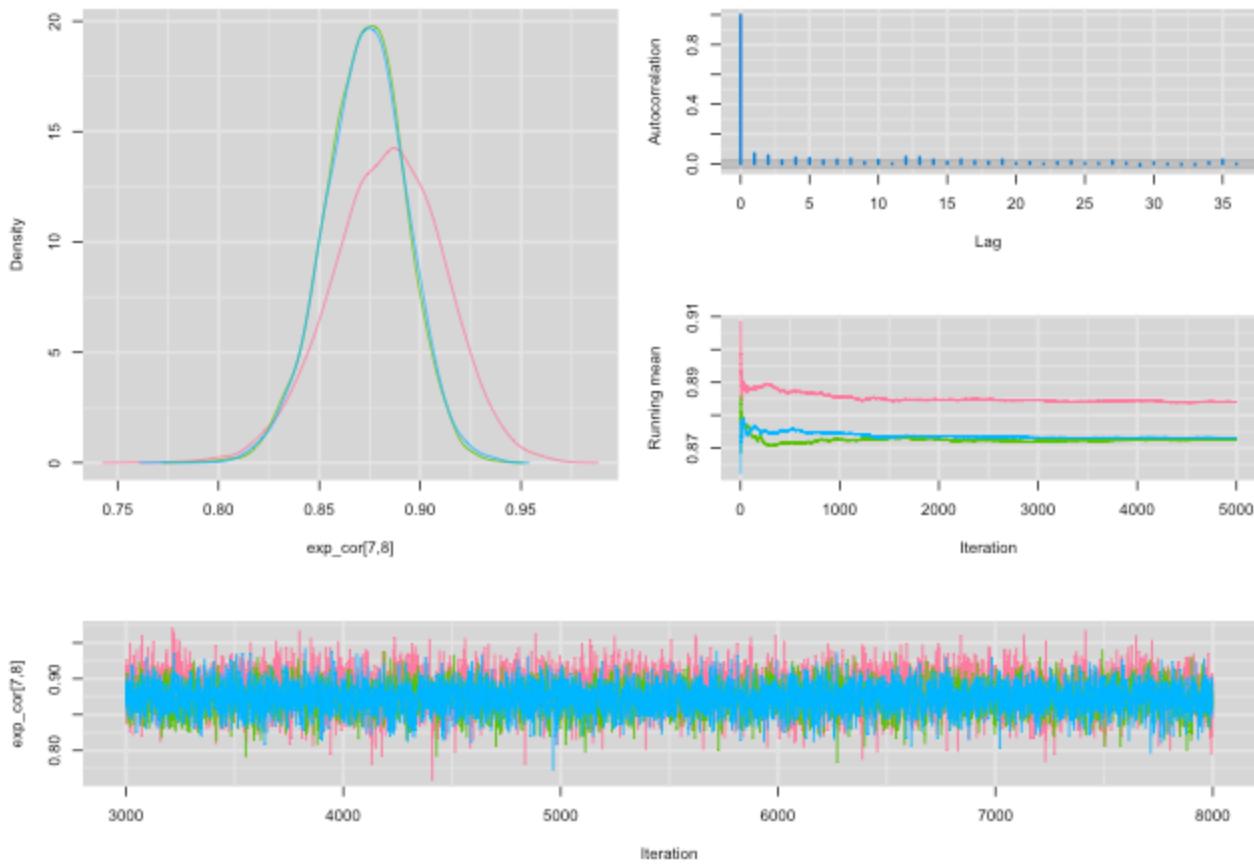
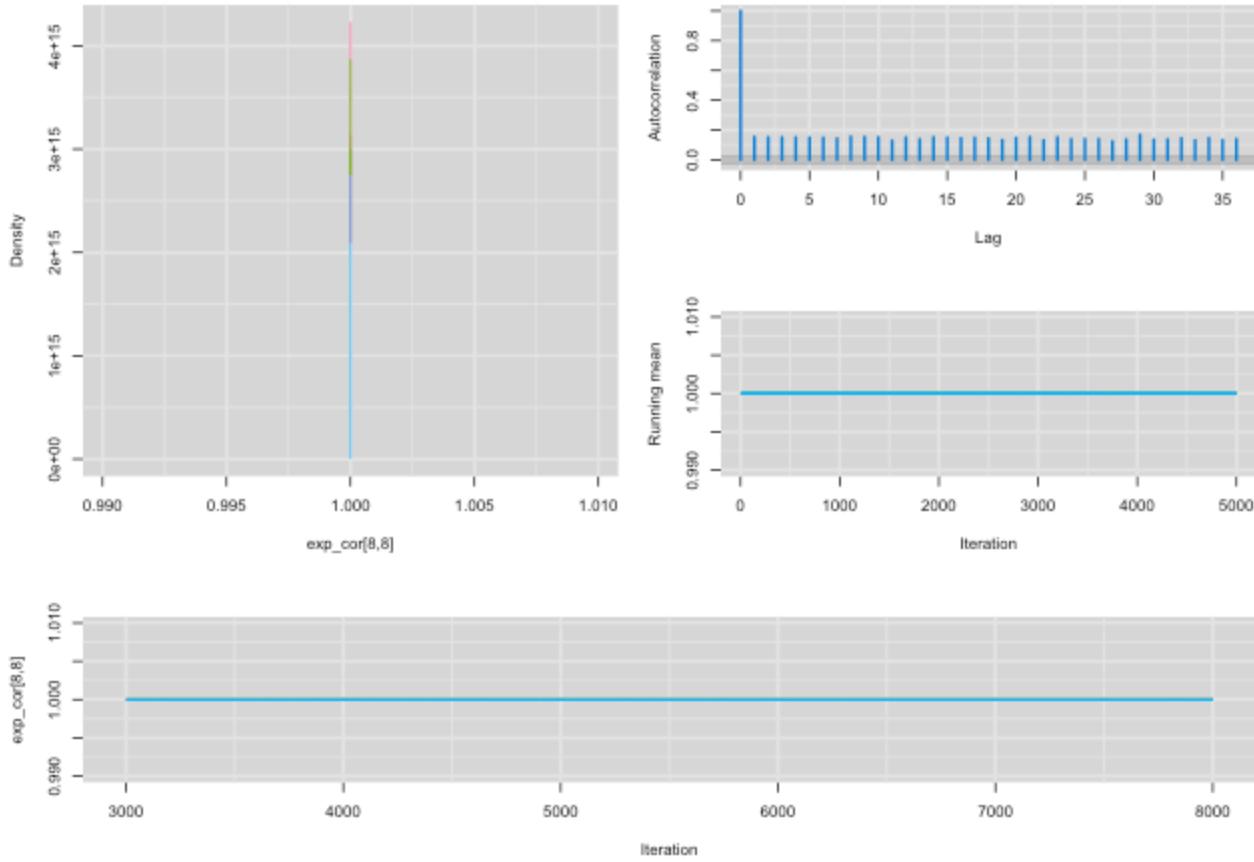
Diagnostics for exp_cor[5,7]**Diagnostics for exp_cor[6,7]**

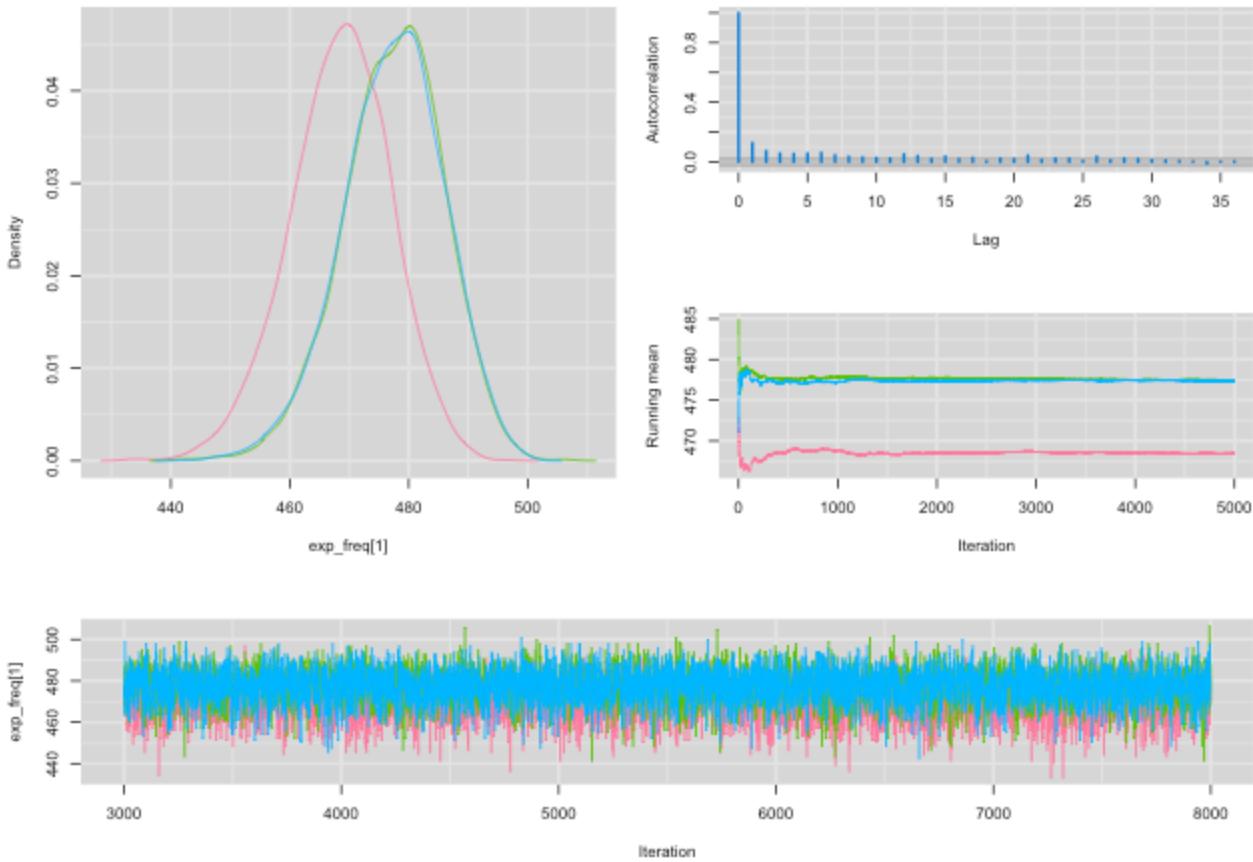
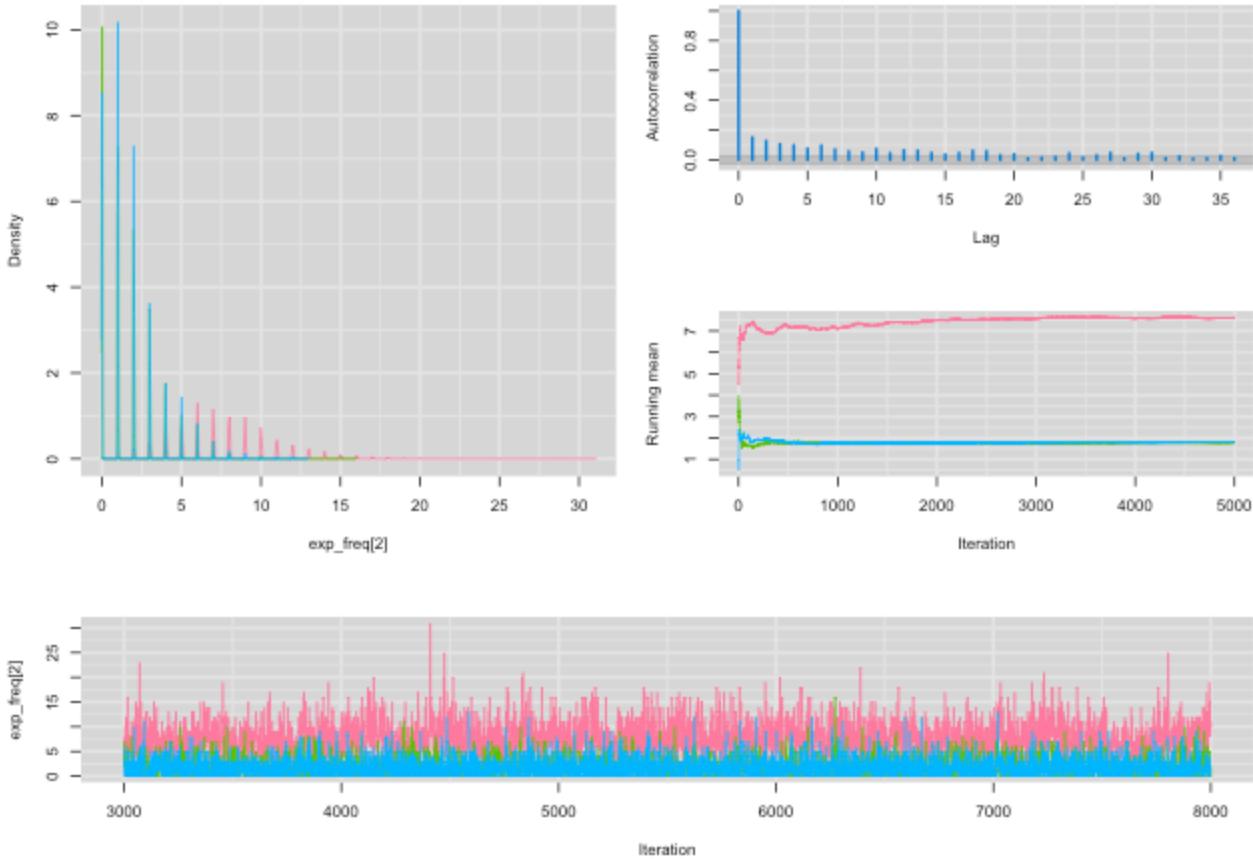
Diagnostics for $\exp_{\text{cor}}[7,7]$ **Diagnostics for $\exp_{\text{cor}}[8,7]$** 

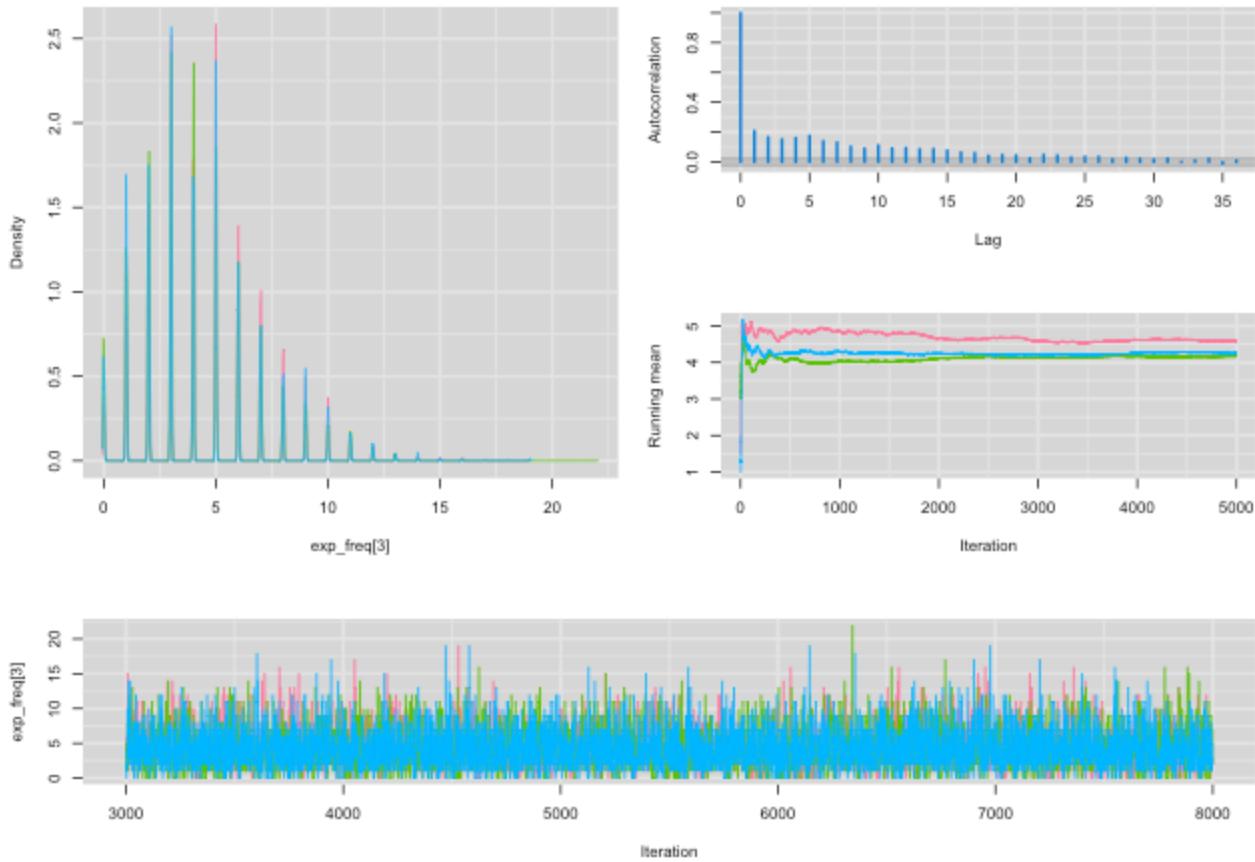
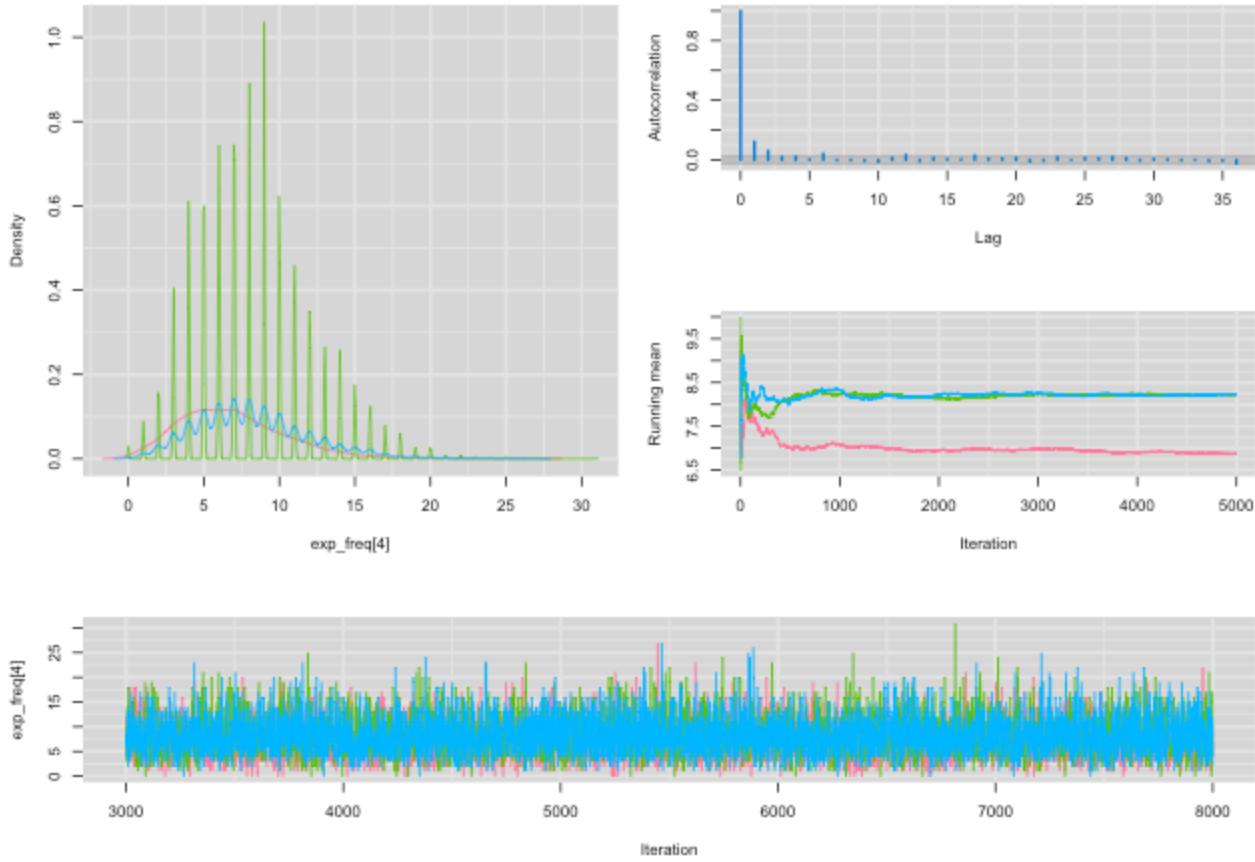
Diagnostics for exp_cor[1,8]**Diagnostics for exp_cor[2,8]**

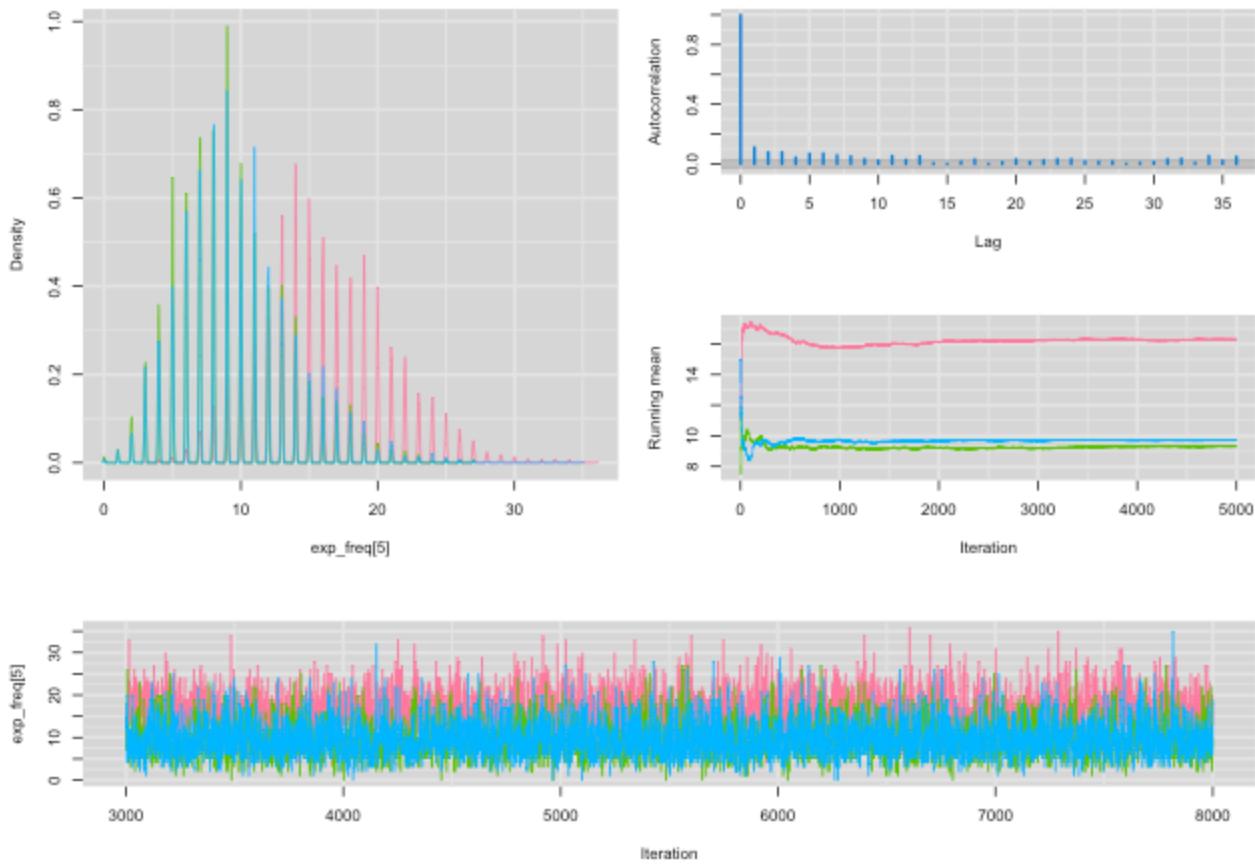
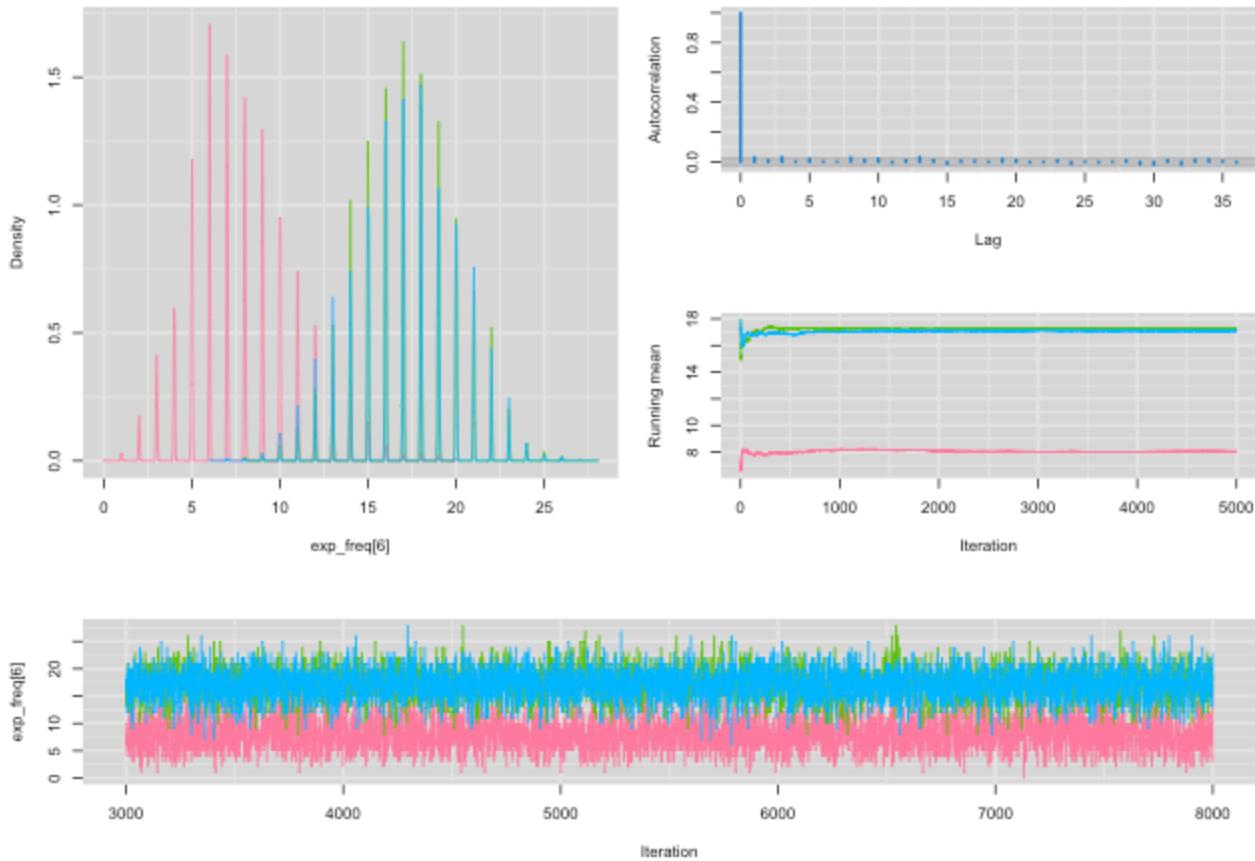
Diagnostics for exp_cor[3,8]**Diagnostics for exp_cor[4,8]**

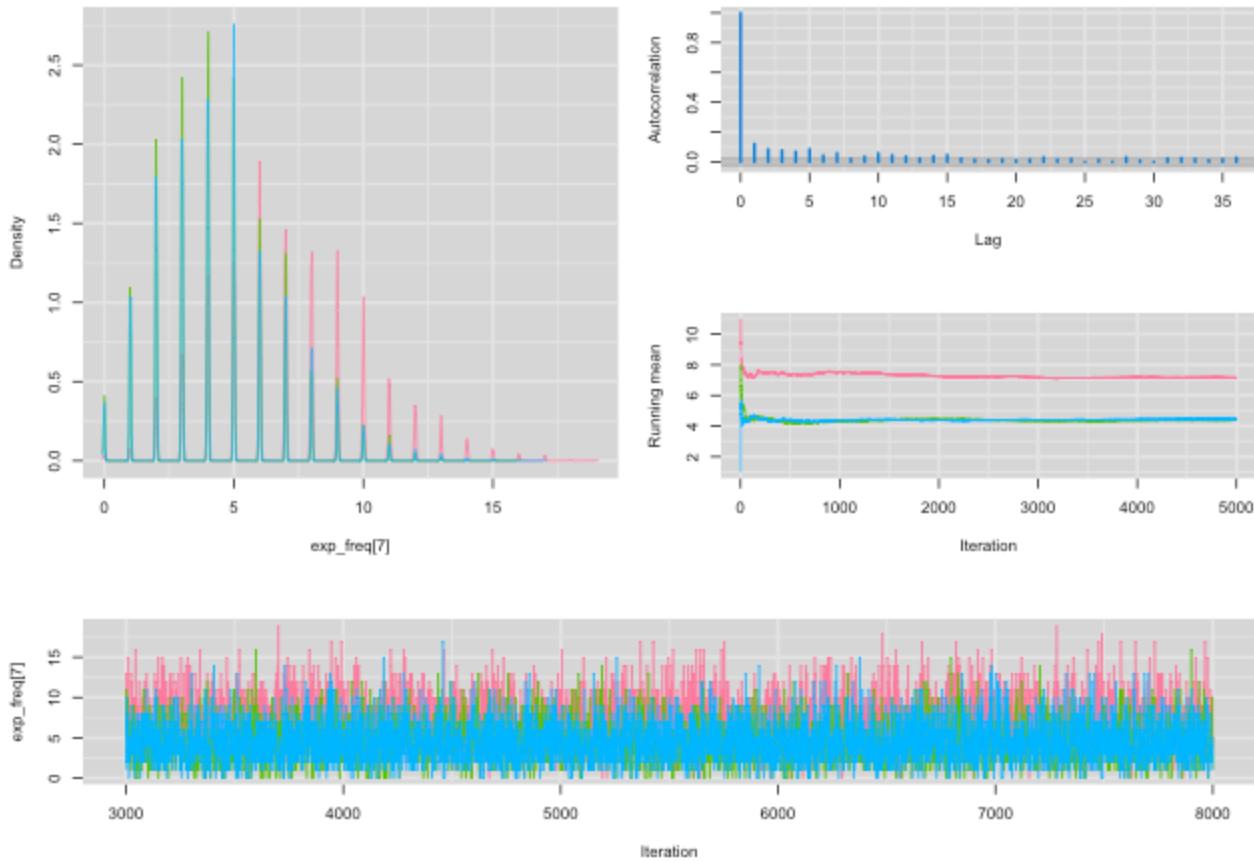
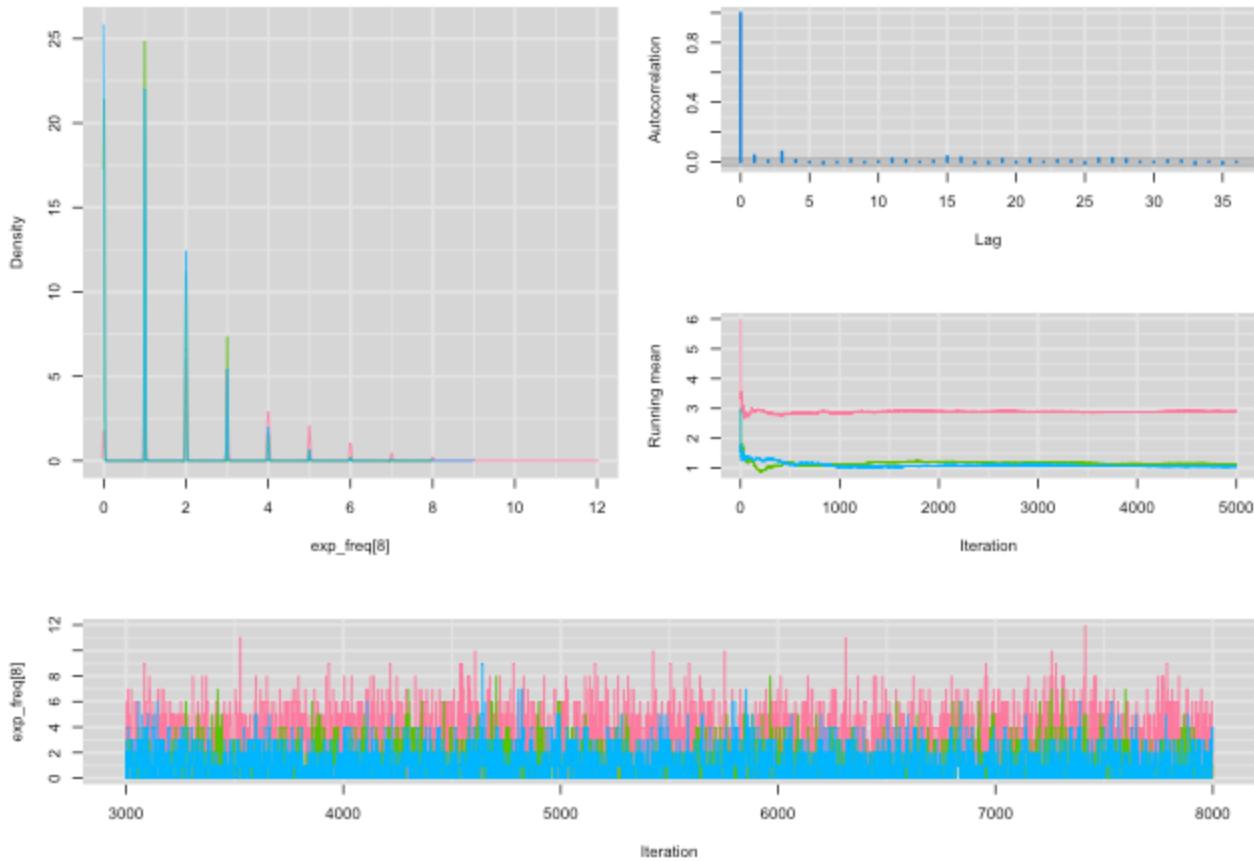
Diagnostics for $\exp_cor[5,8]$ **Diagnostics for $\exp_cor[6,8]$** 

Diagnostics for exp_cor[7,8]**Diagnostics for exp_cor[8,8]**

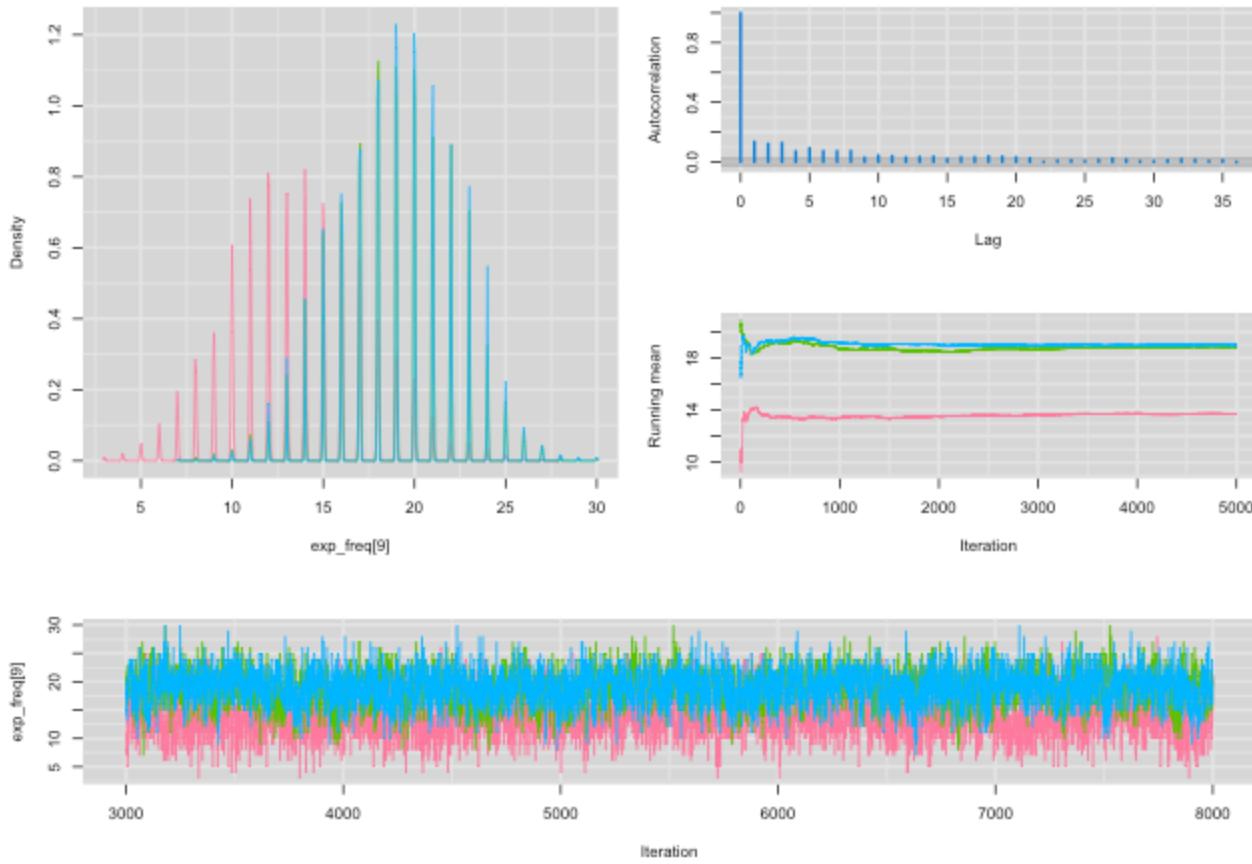
Diagnostics for exp_freq[1]**Diagnostics for exp_freq[2]**

Diagnostics for exp_freq[3]**Diagnostics for exp_freq[4]**

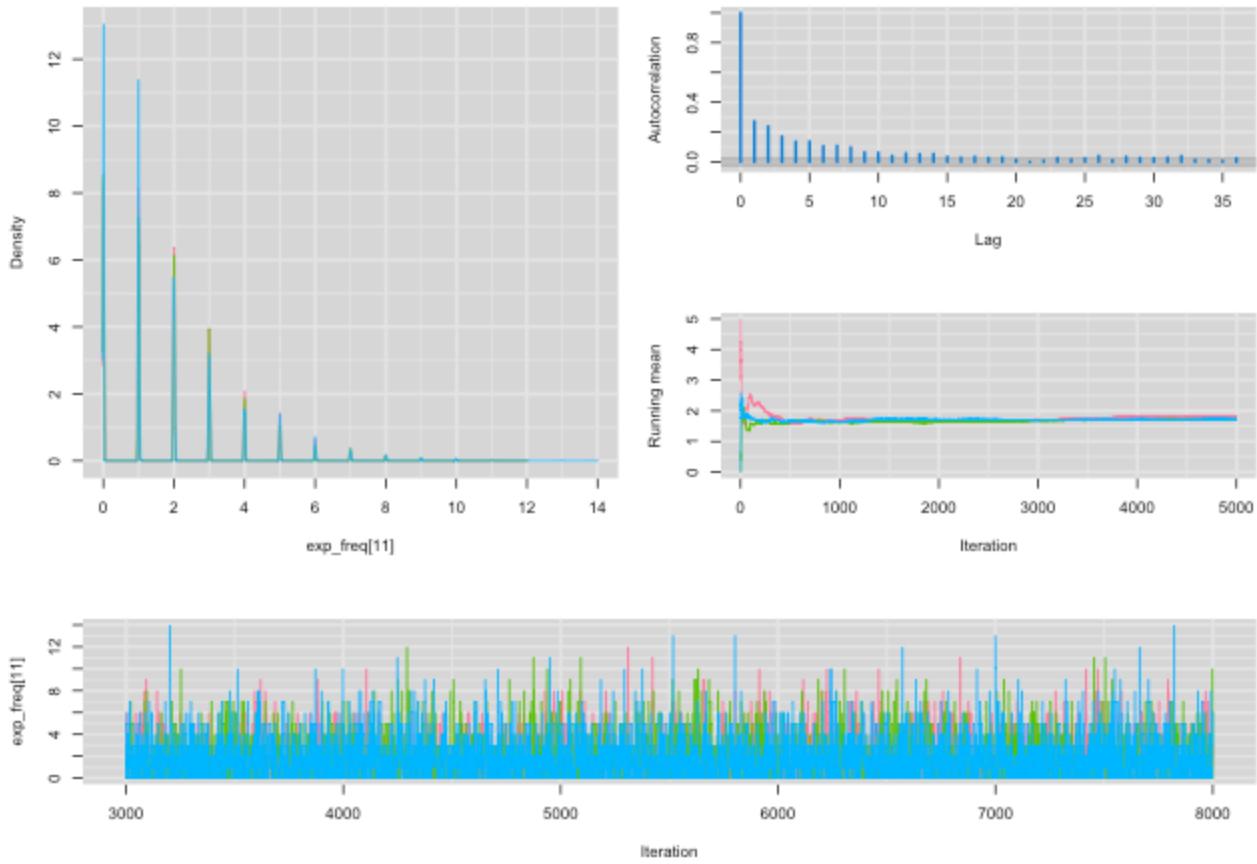
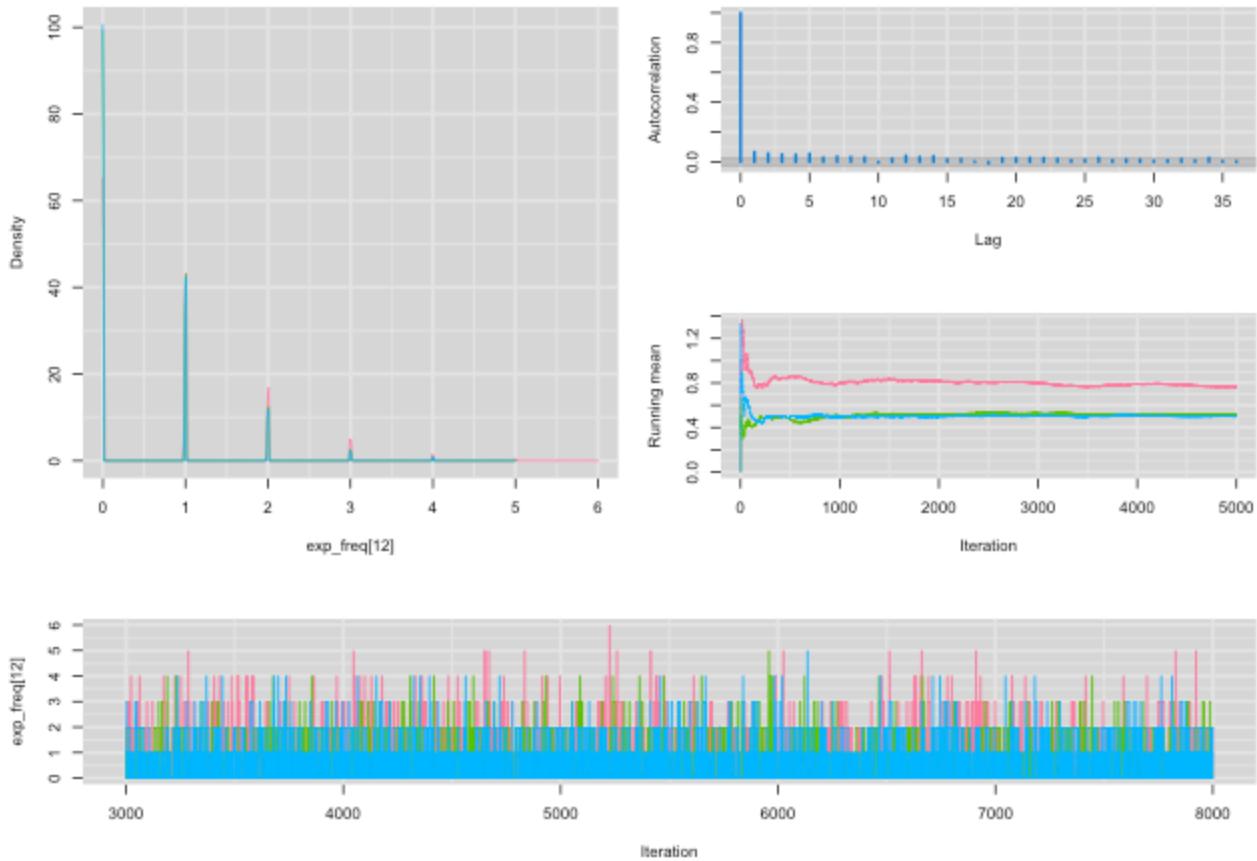
Diagnostics for exp_freq[5]**Diagnostics for exp_freq[6]**

Diagnostics for exp_freq[7]**Diagnostics for exp_freq[8]**

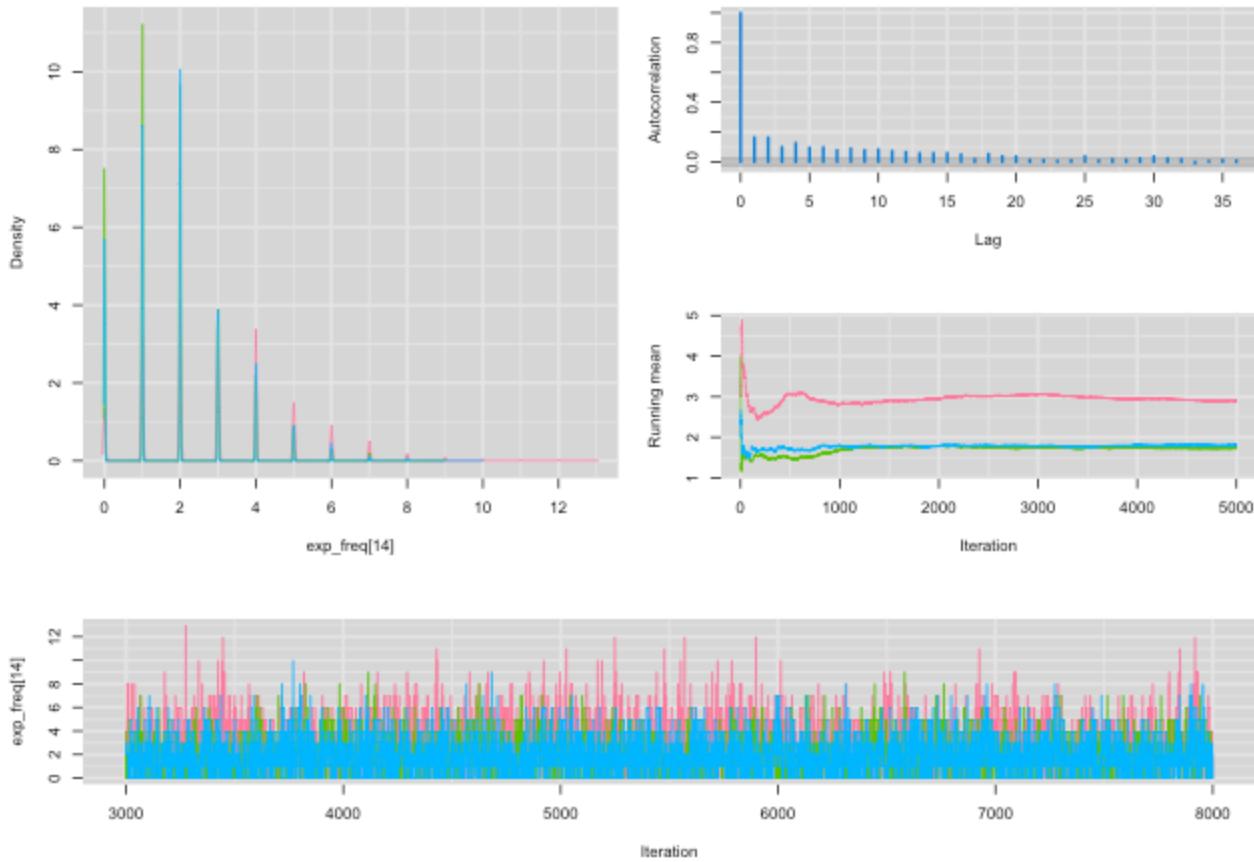
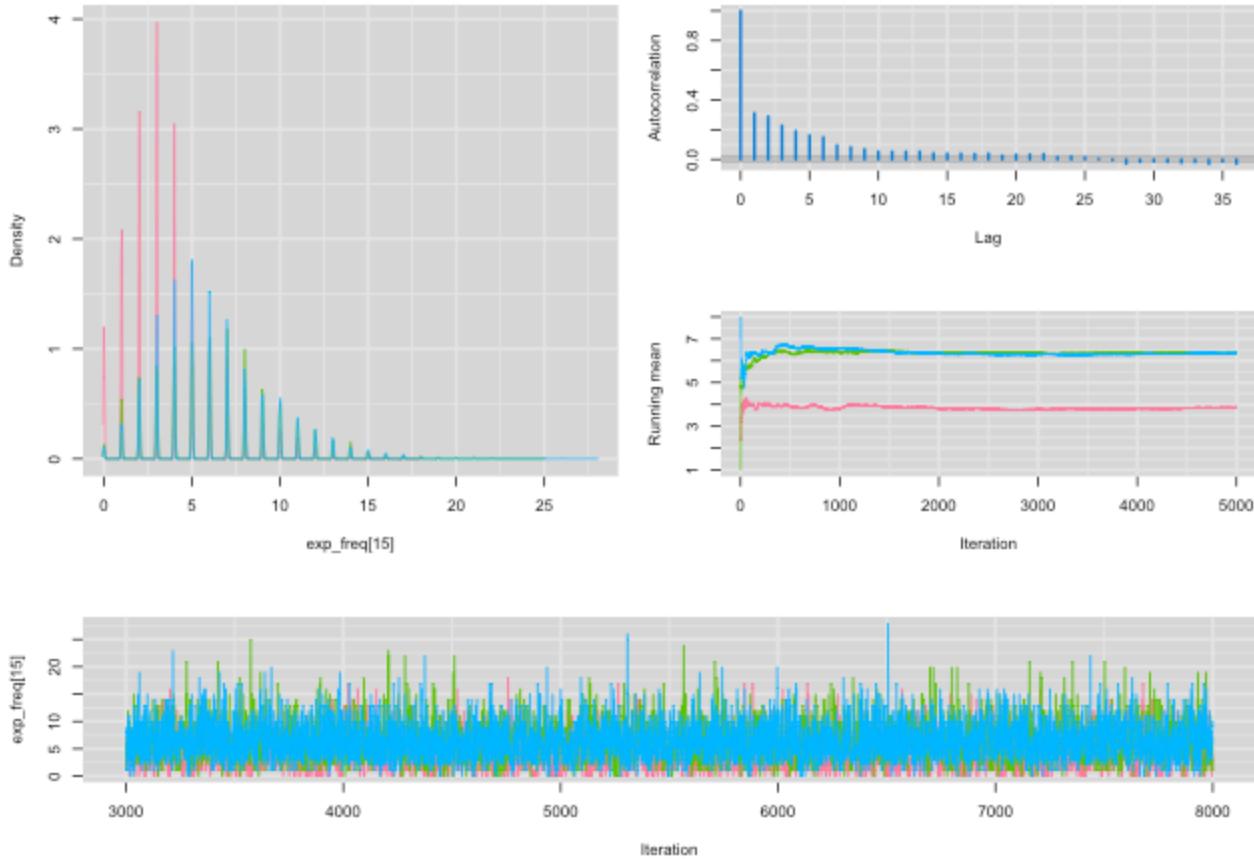
Diagnostics for exp_freq[9]

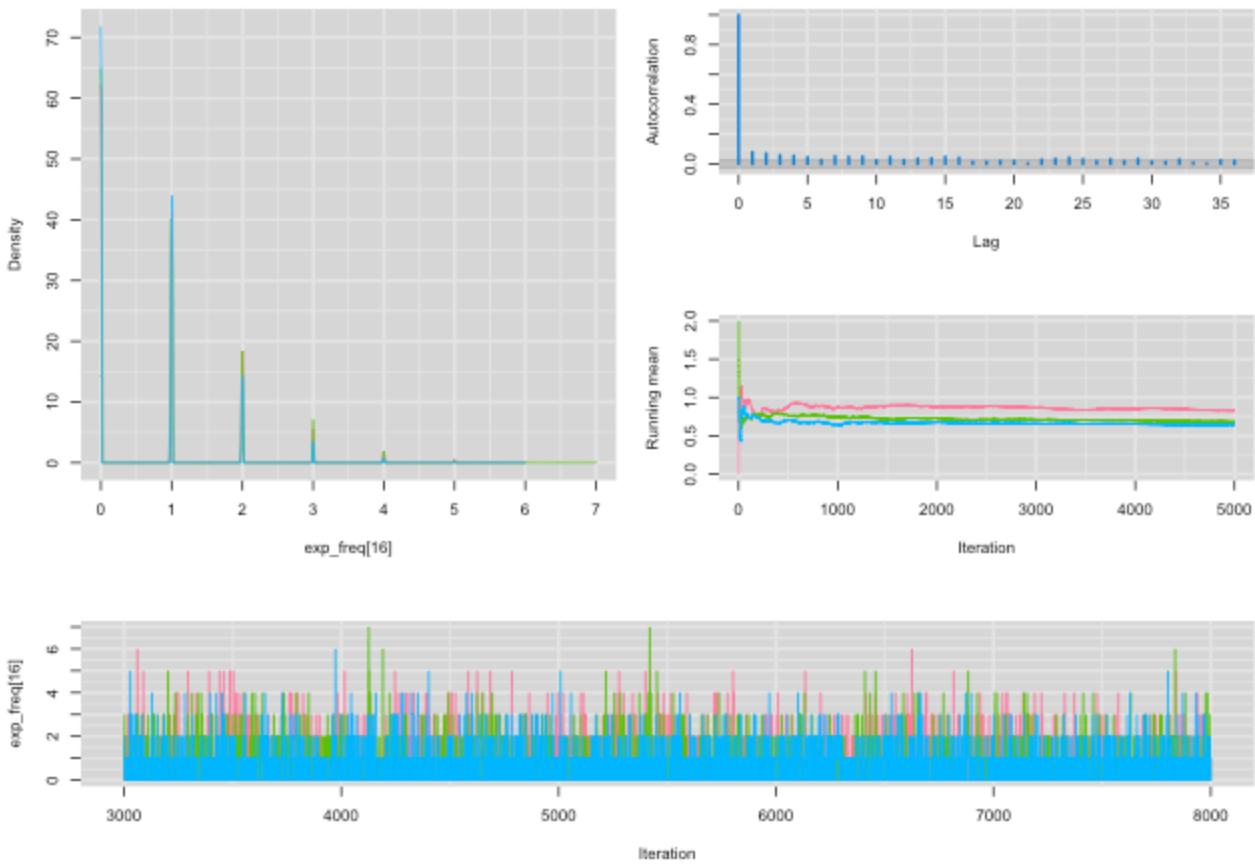
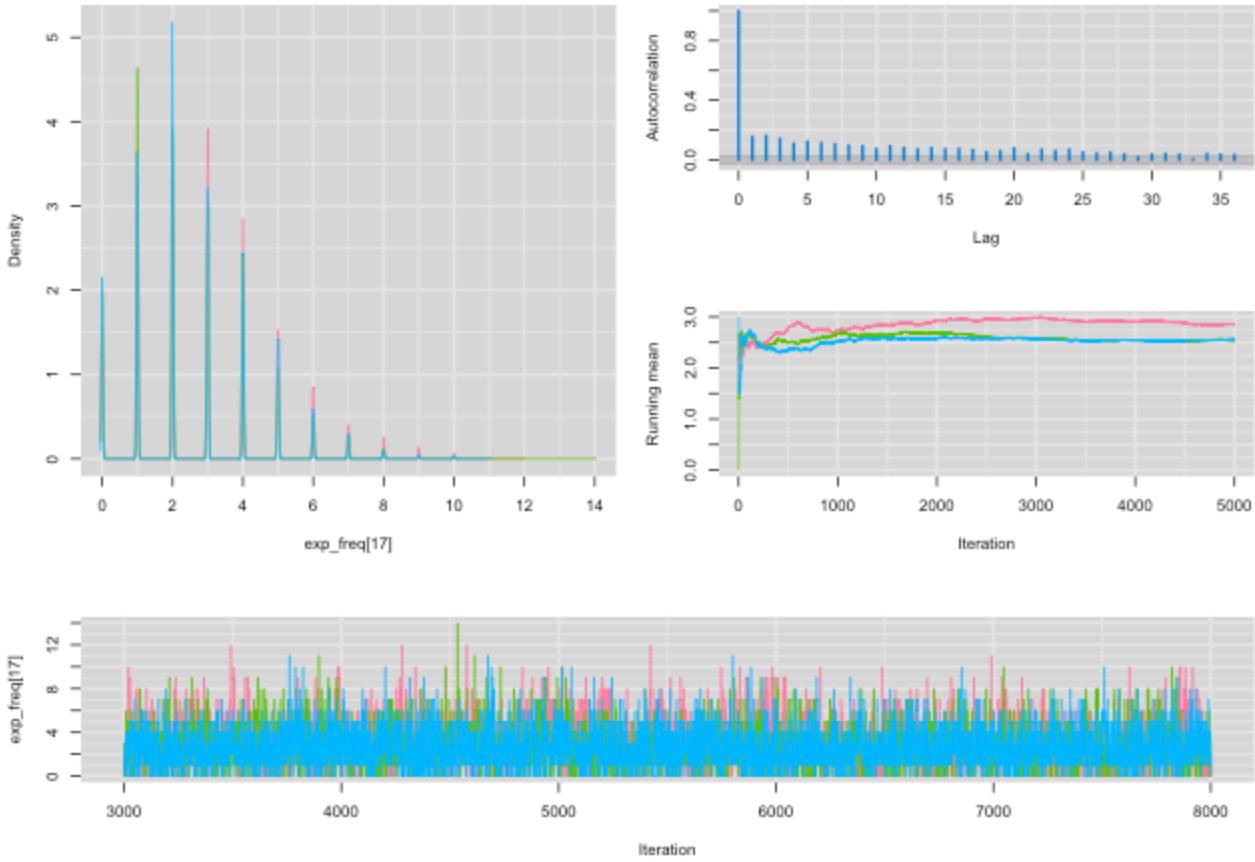


`exp_freq[10]. Error in bw.SJ(x, method = "ste"):` sample is too sparse to find TD

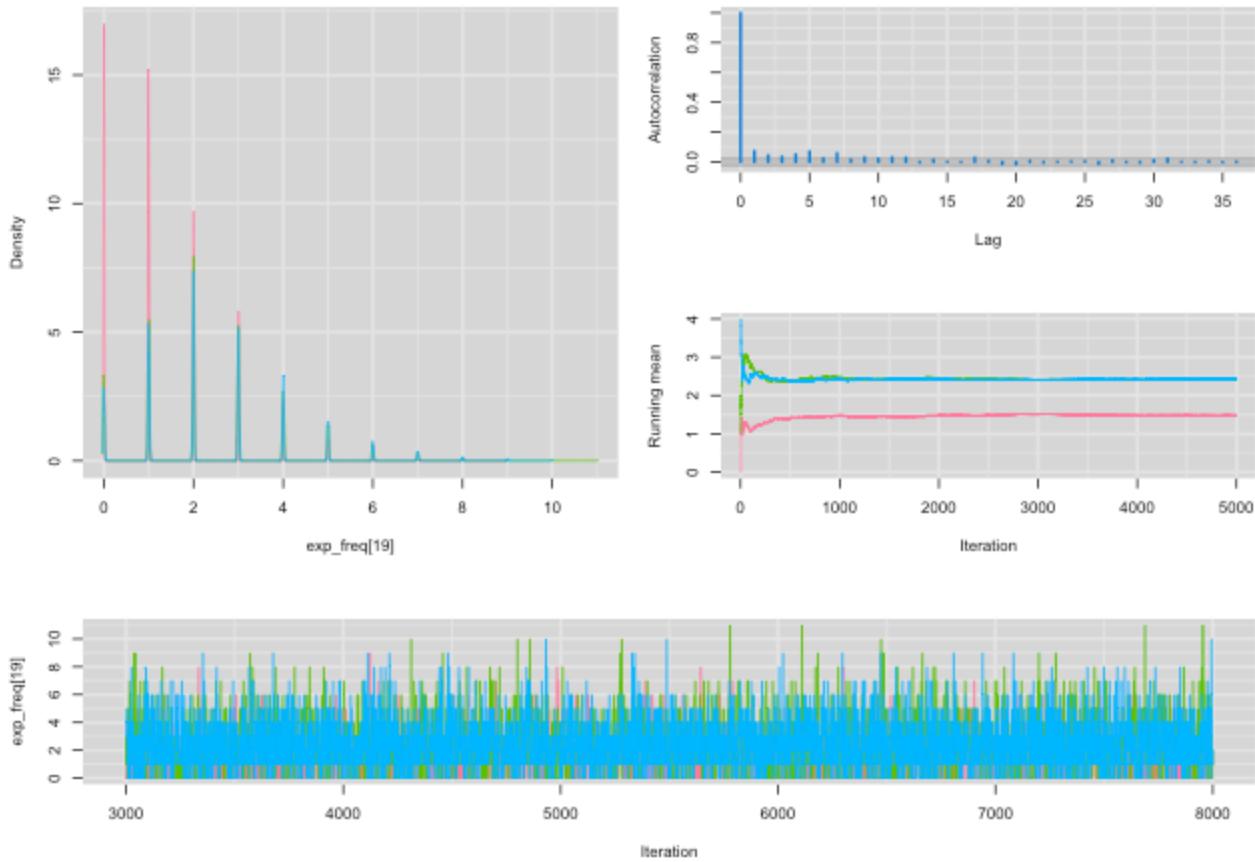
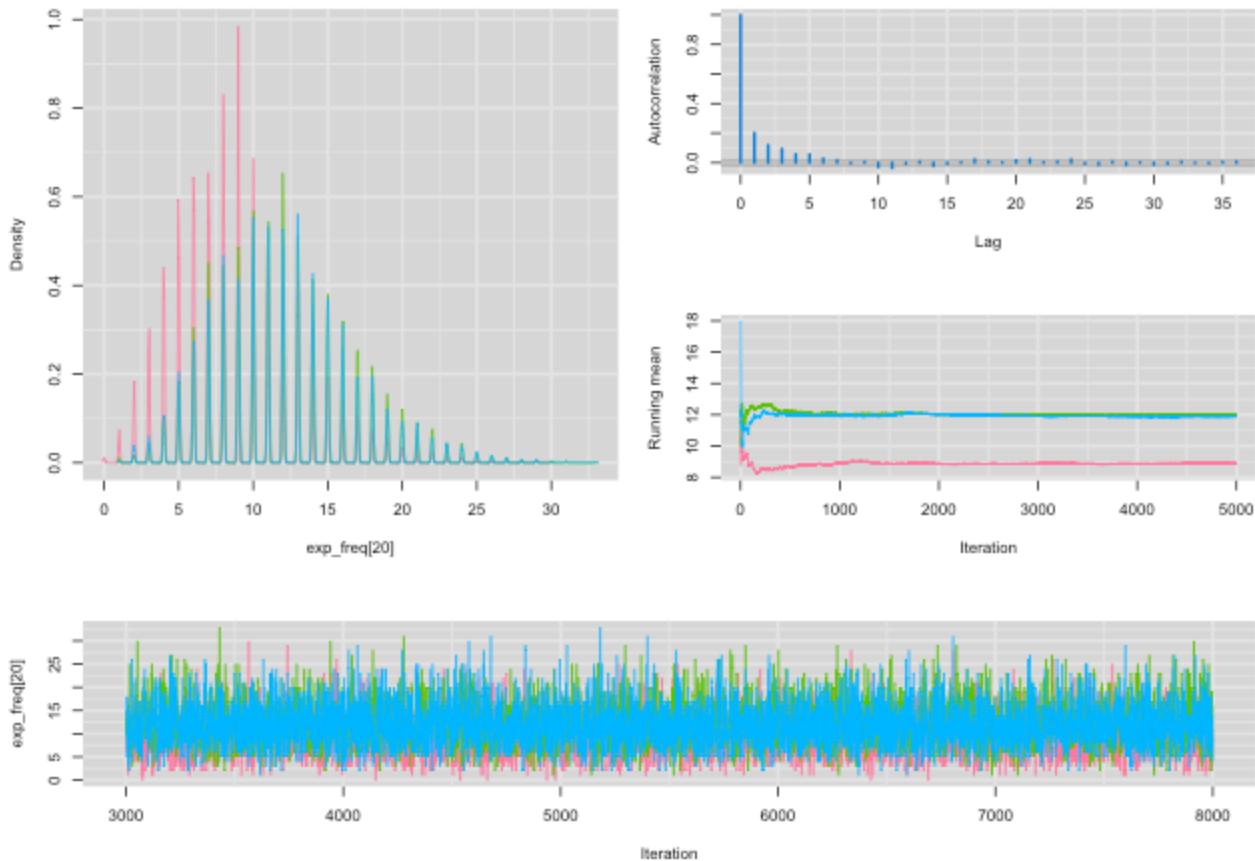
Diagnostics for exp_freq[11]**Diagnostics for exp_freq[12]**

exp_freq[13]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD

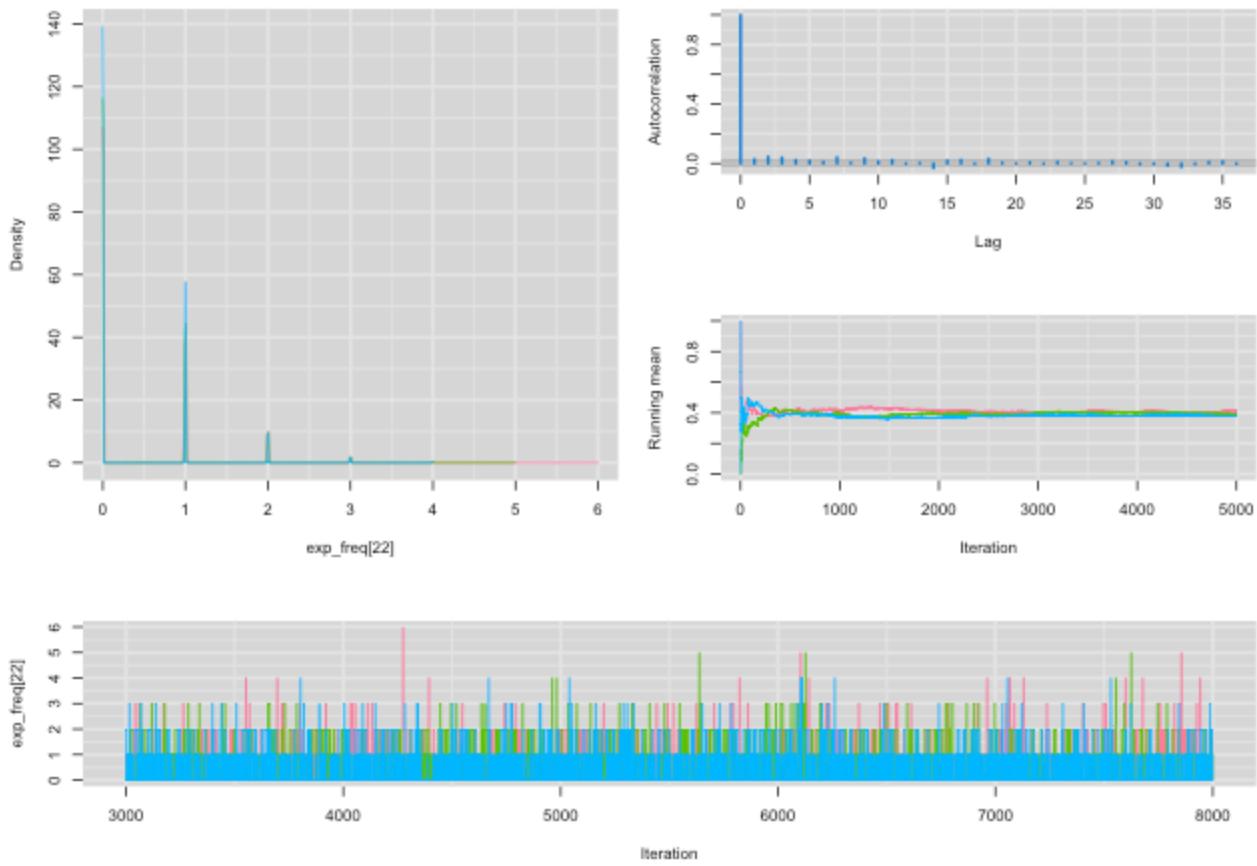
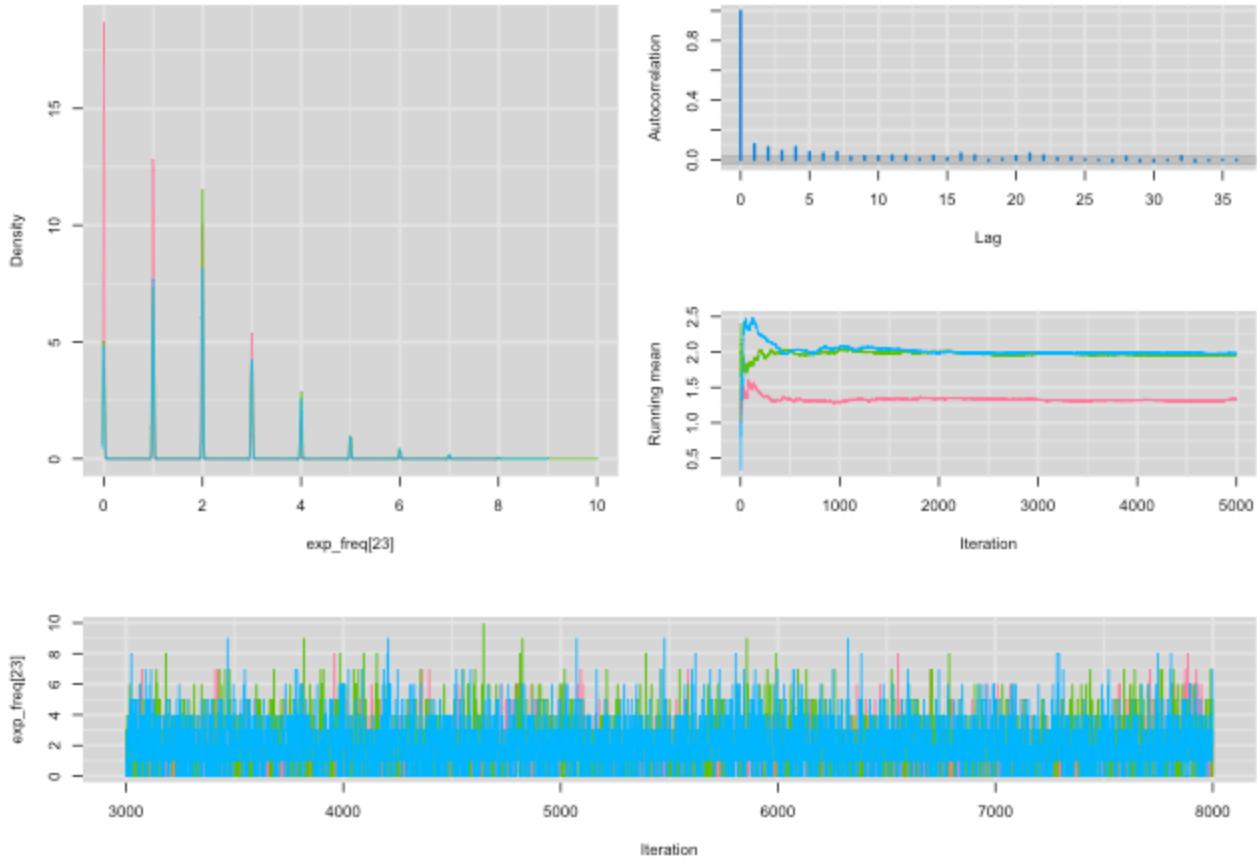
Diagnostics for exp_freq[14]**Diagnostics for exp_freq[15]**

Diagnostics for exp_freq[16]**Diagnostics for exp_freq[17]**

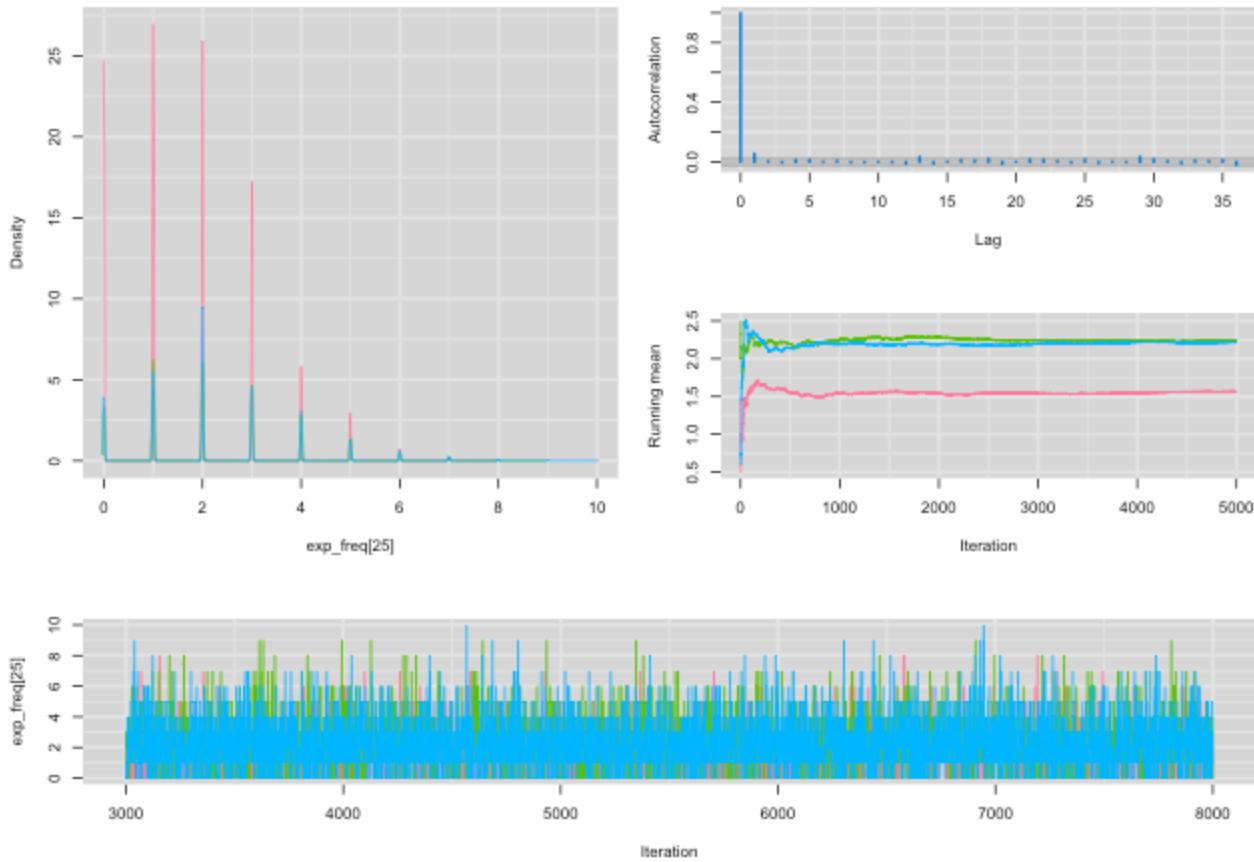
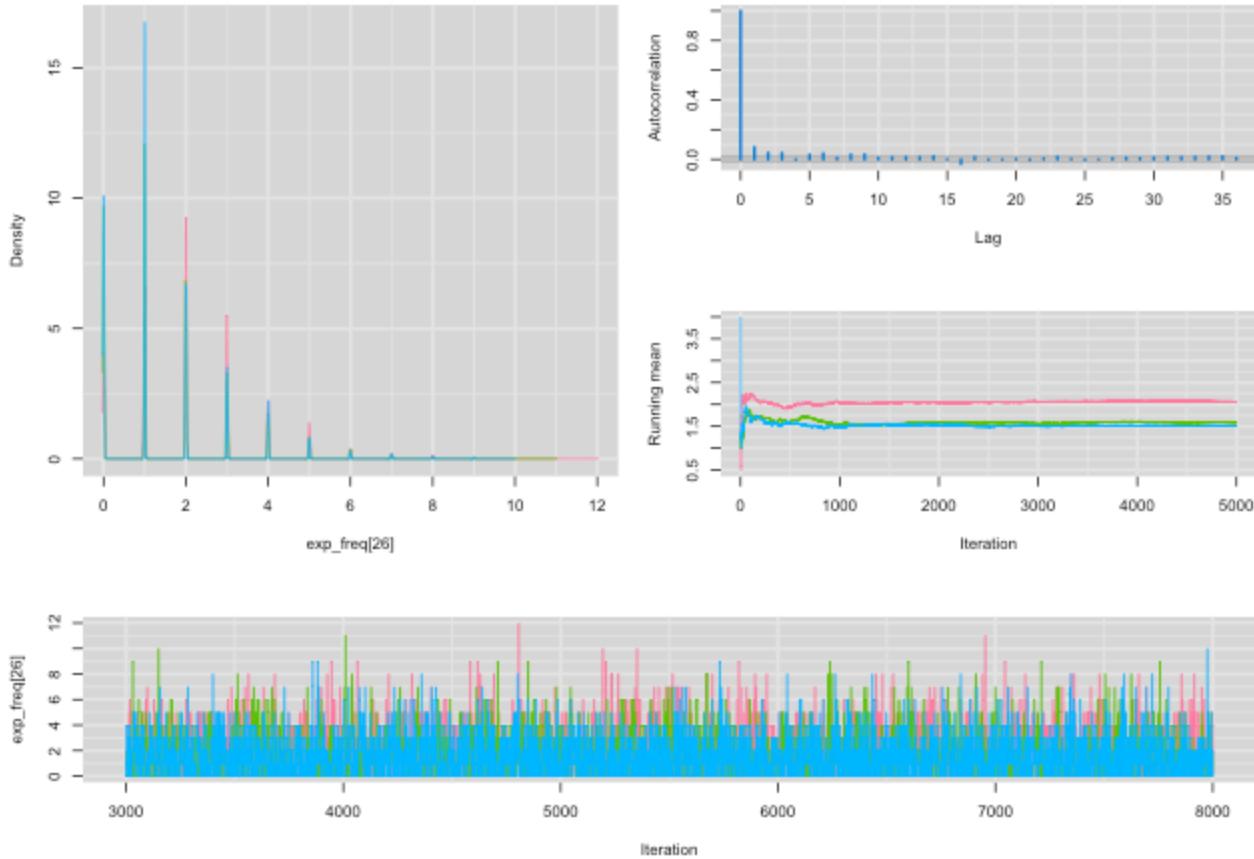
exp_freq[18]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD

Diagnostics for exp_freq[19]**Diagnostics for exp_freq[20]**

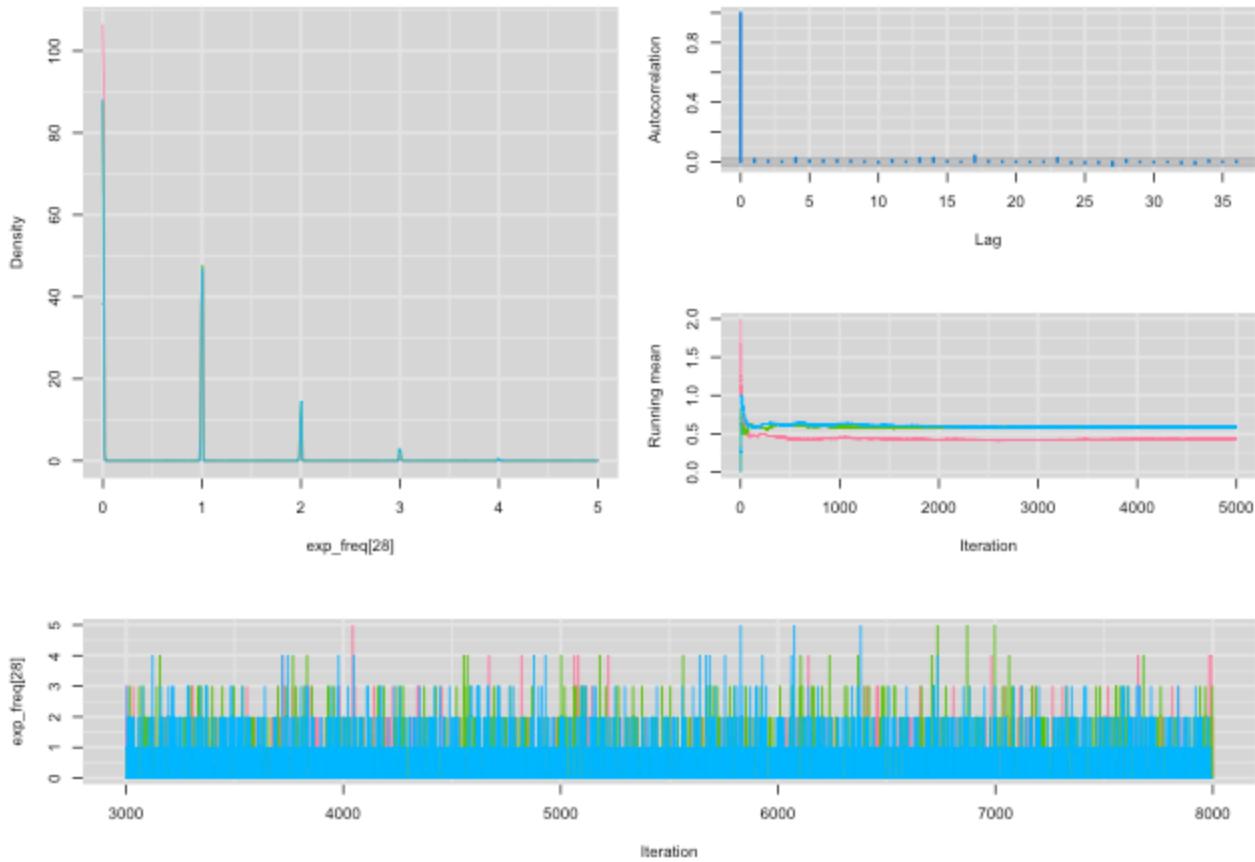
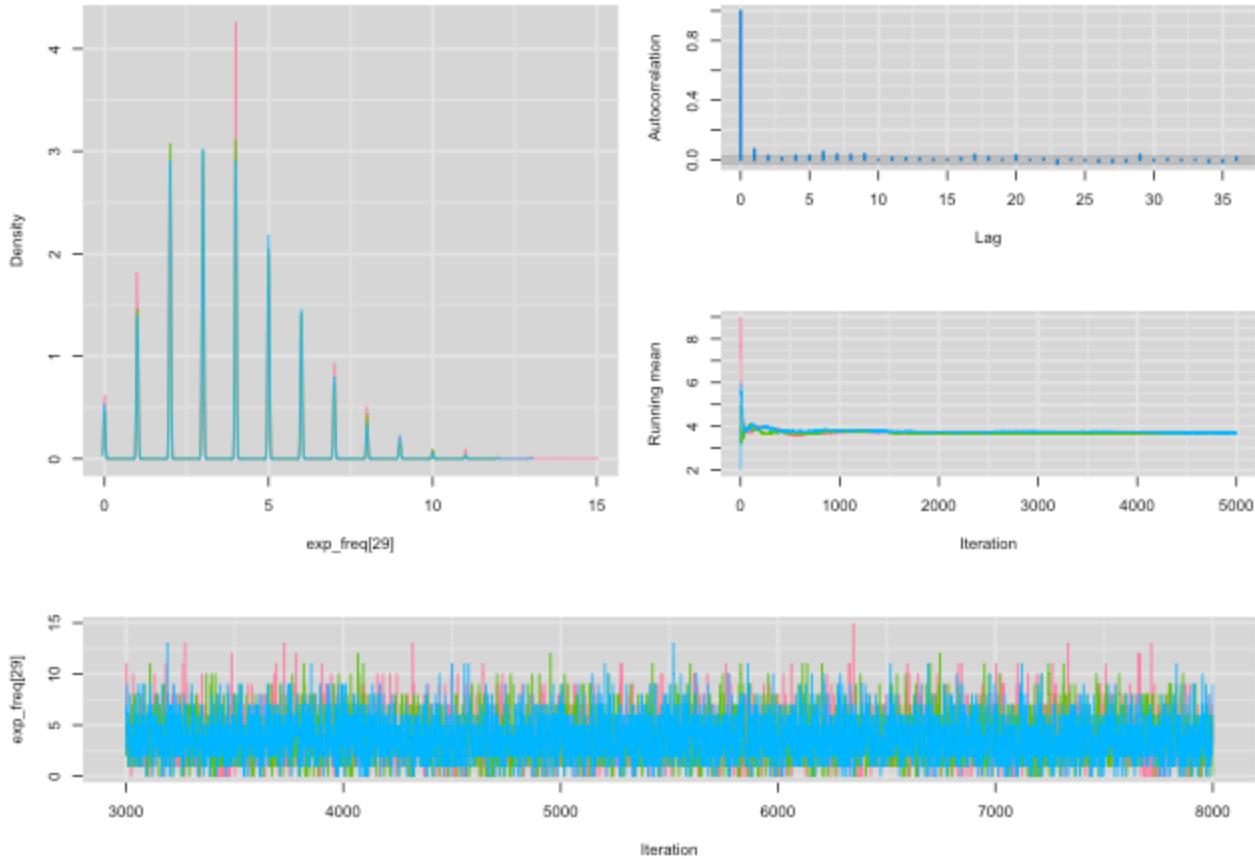
exp_freq[21]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD

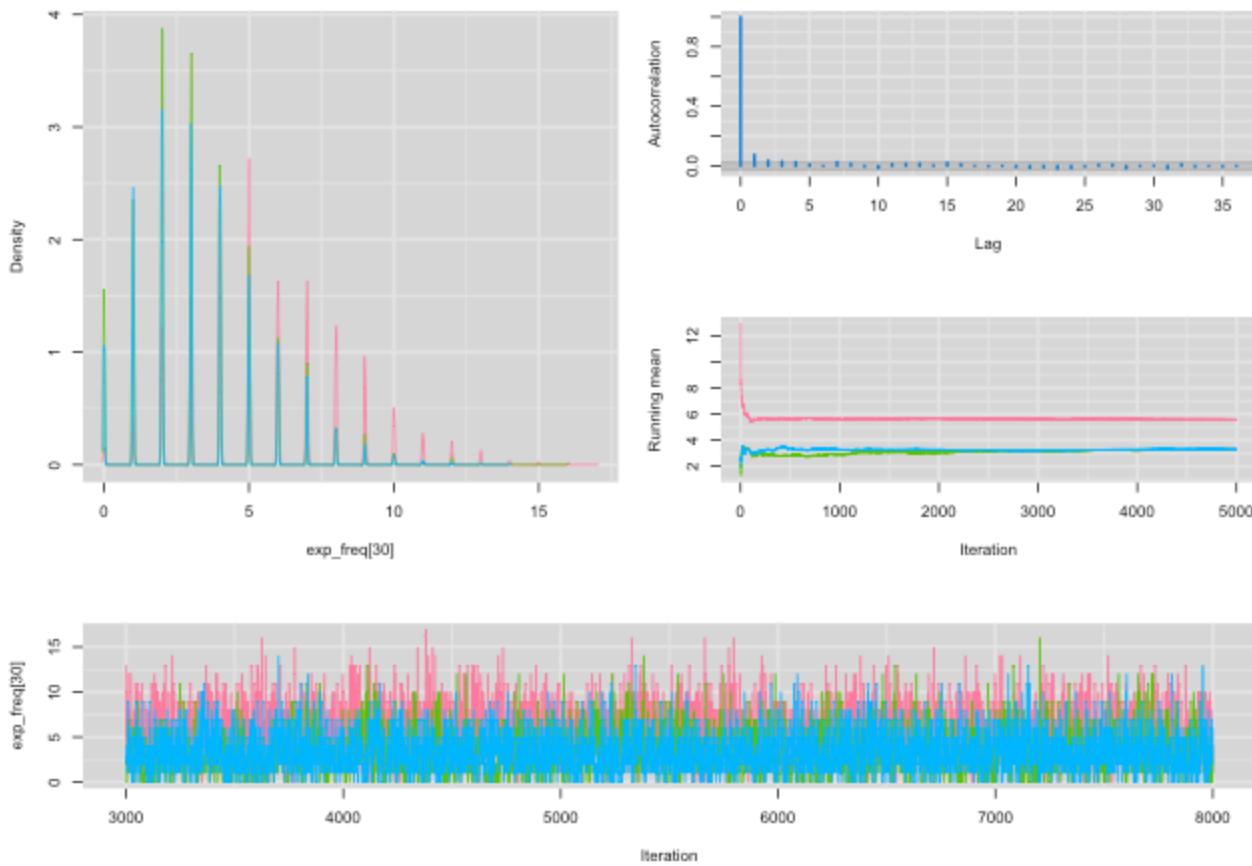
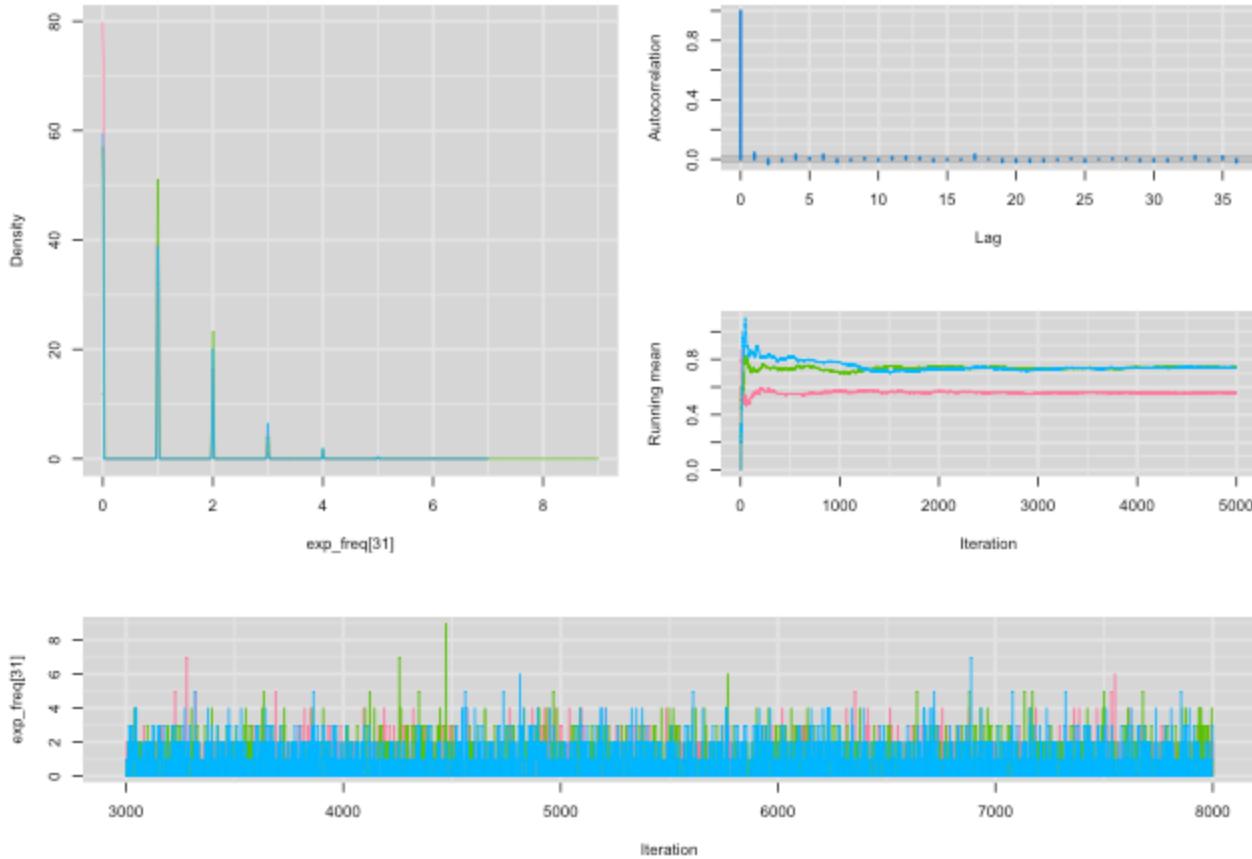
Diagnostics for exp_freq[22]**Diagnostics for exp_freq[23]**

exp_freq[24]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD

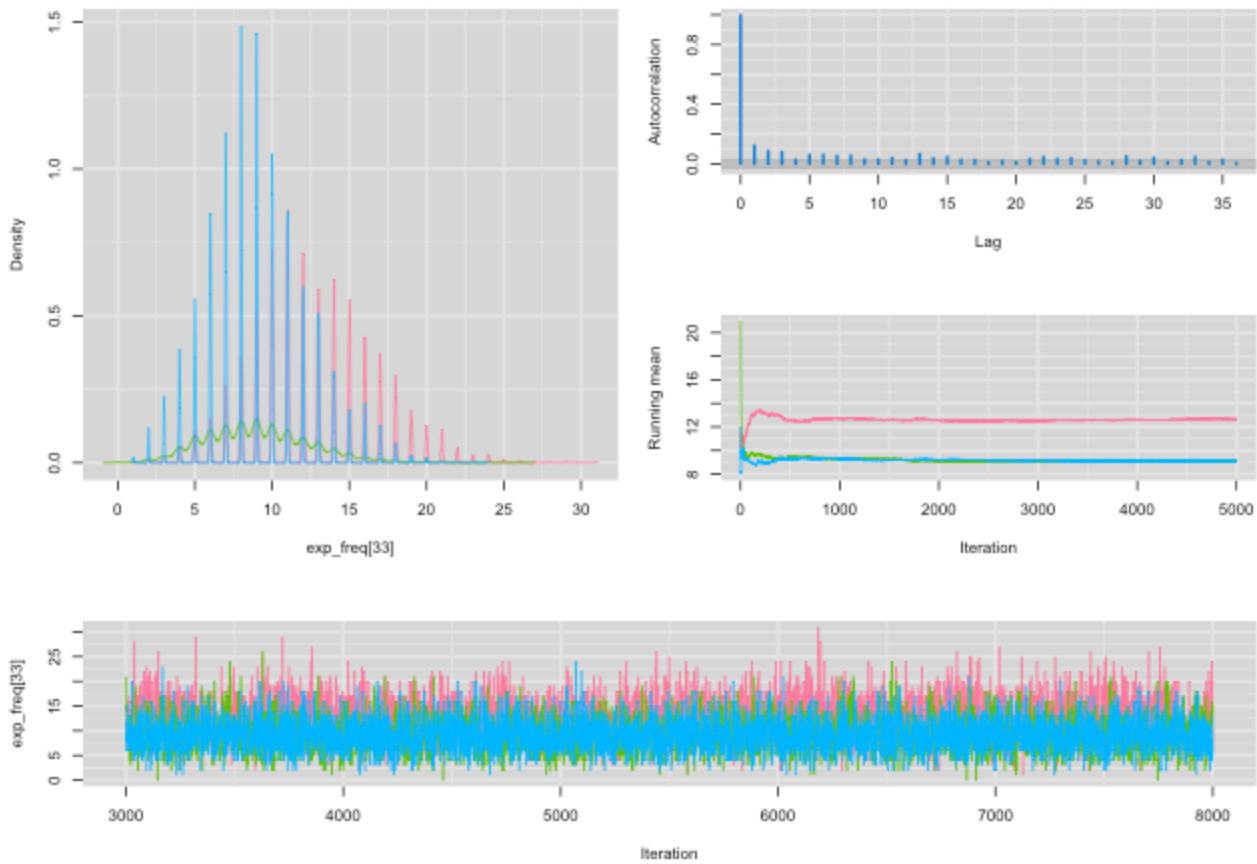
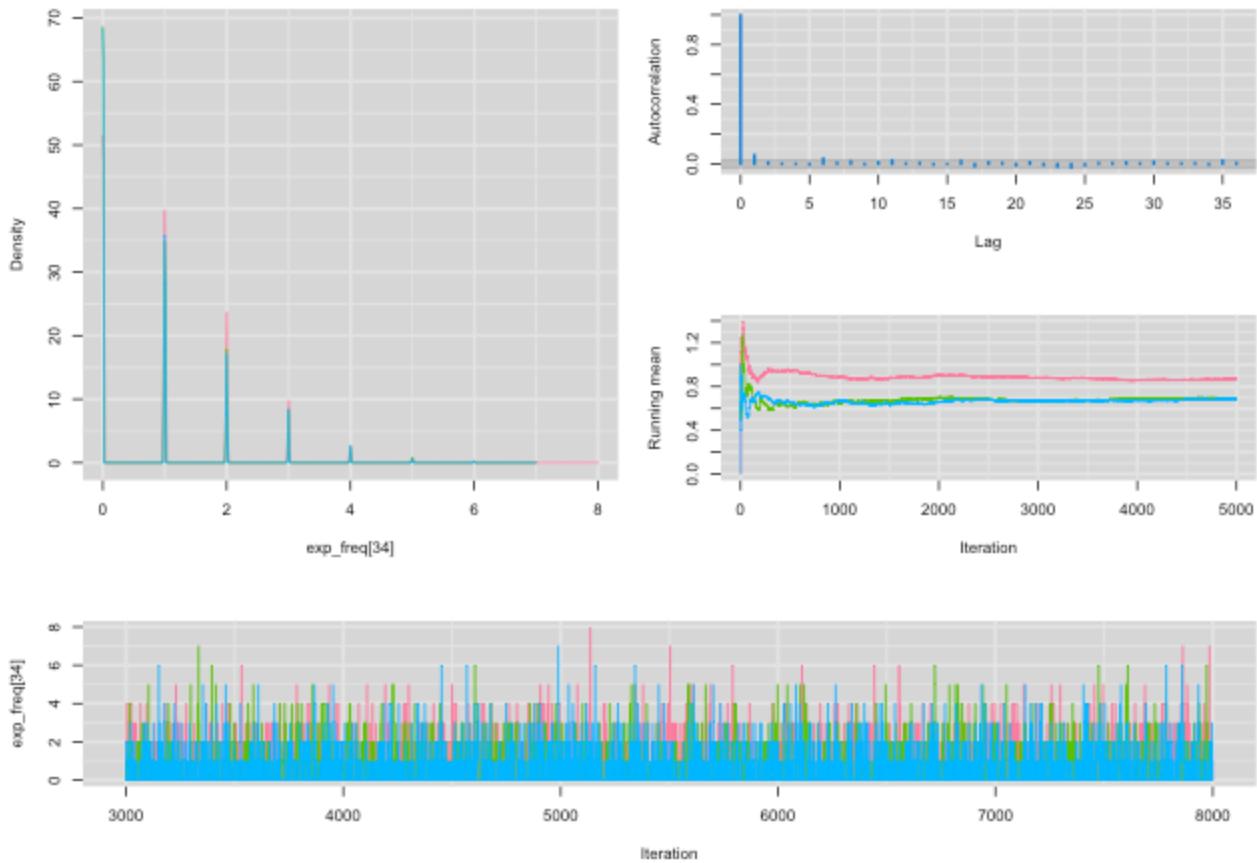
Diagnostics for exp_freq[25]**Diagnostics for exp_freq[26]**

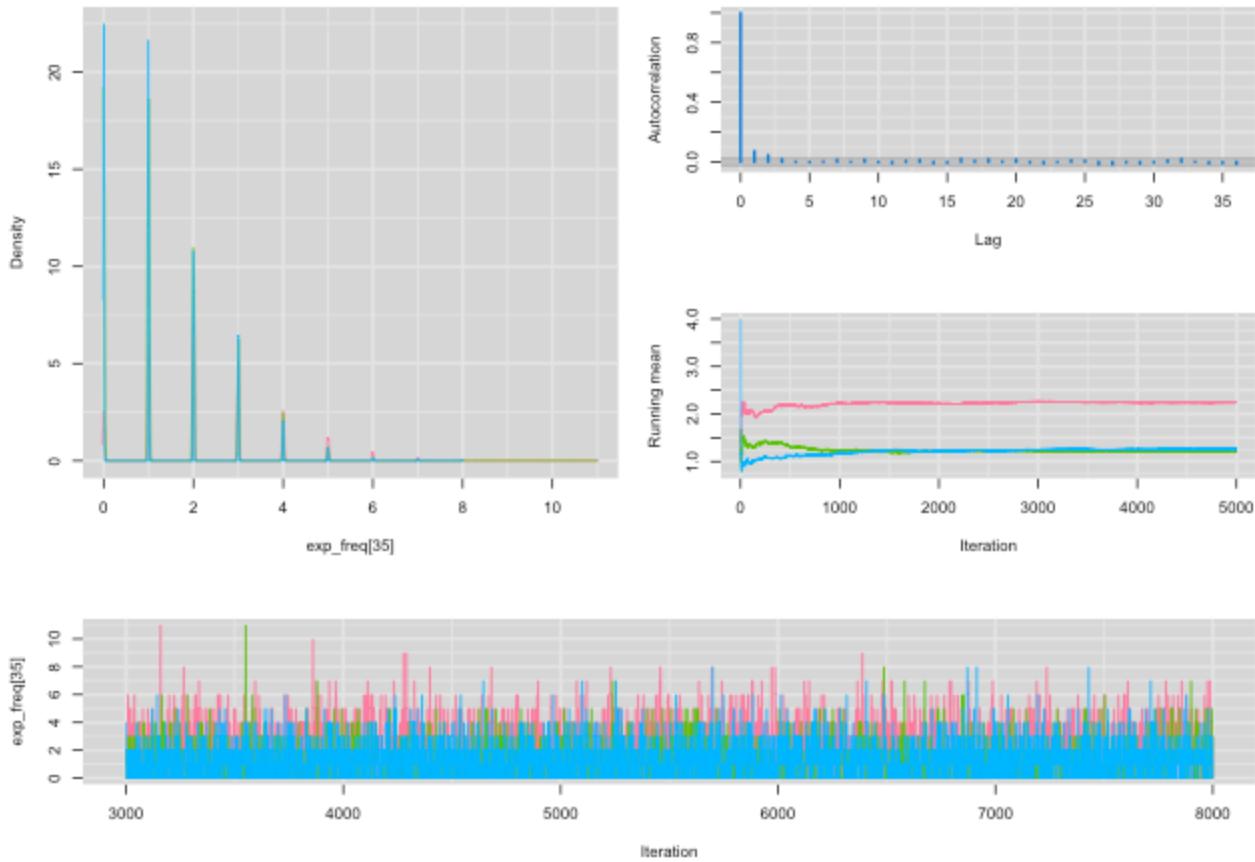
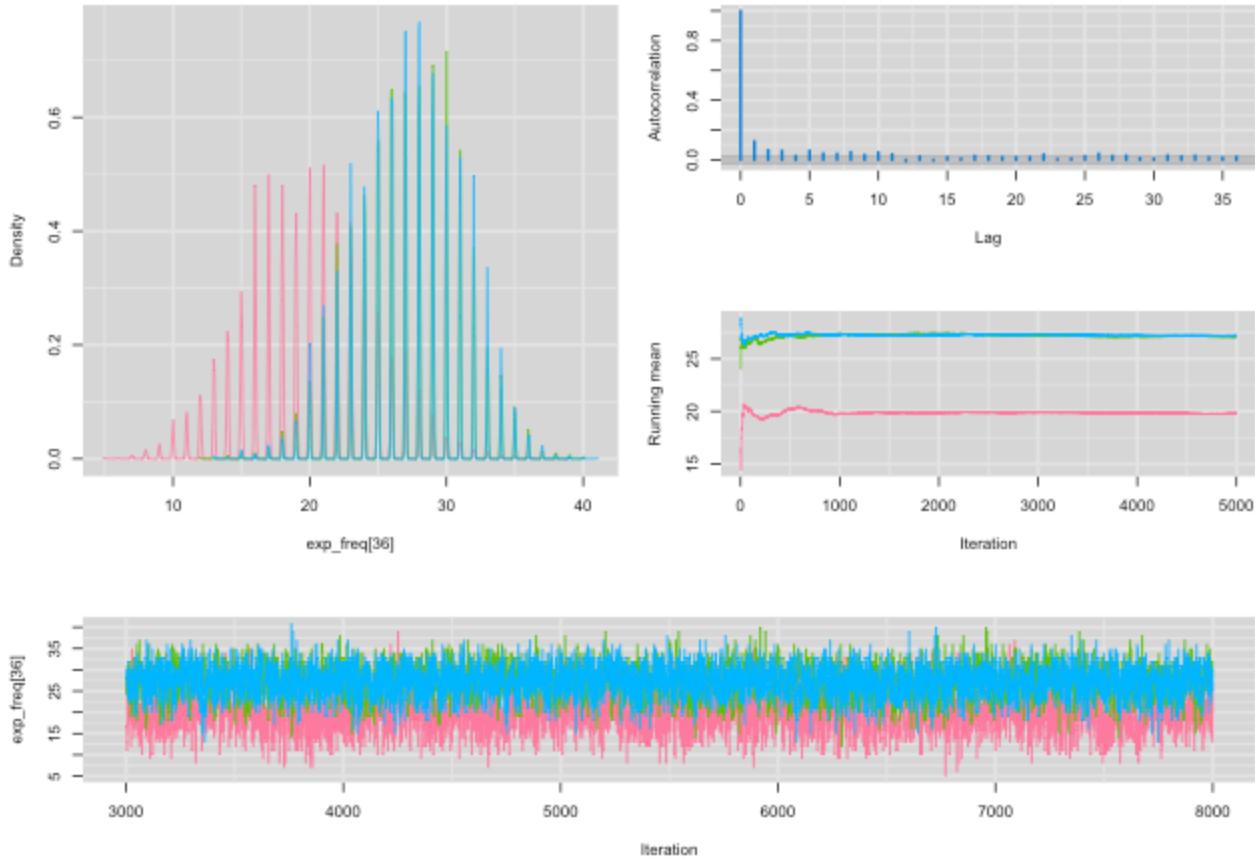
exp_freq[27]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD

Diagnostics for exp_freq[28]**Diagnostics for exp_freq[29]**

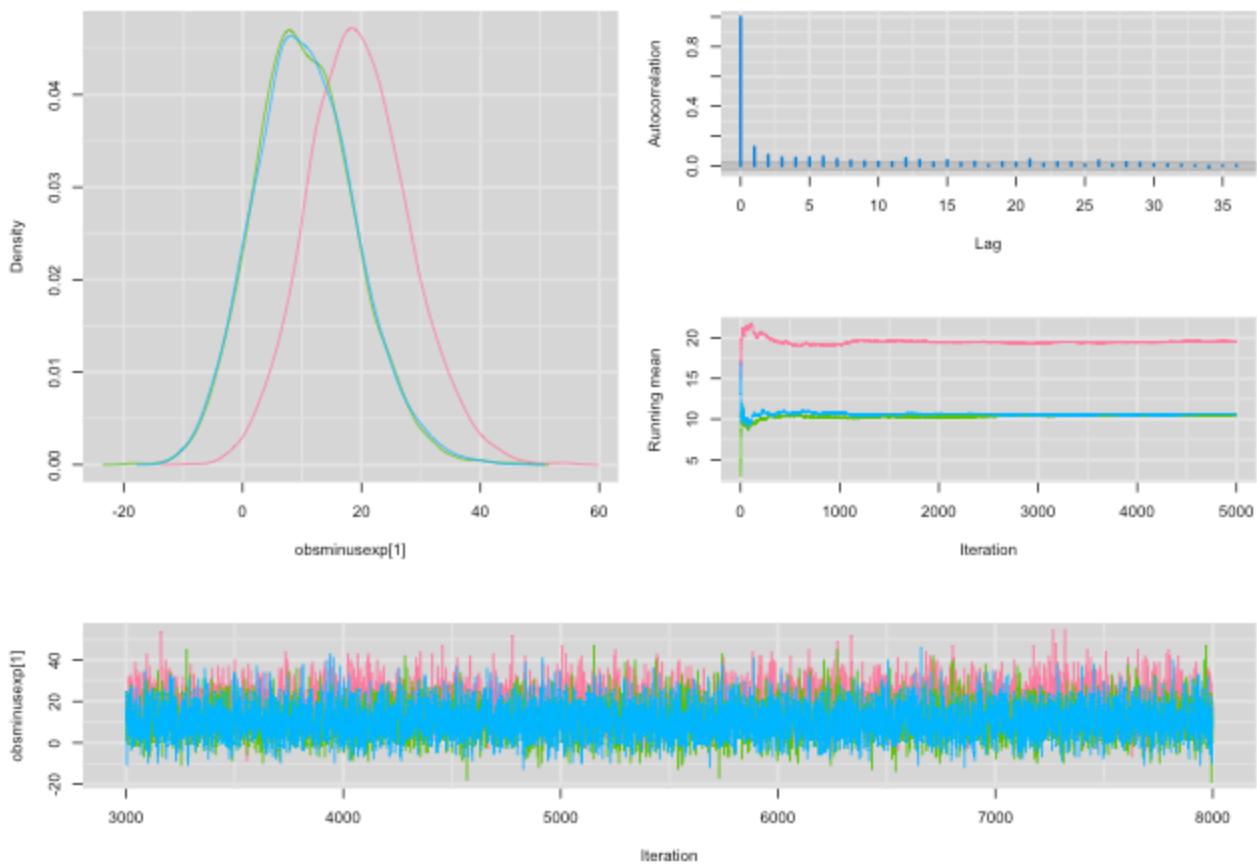
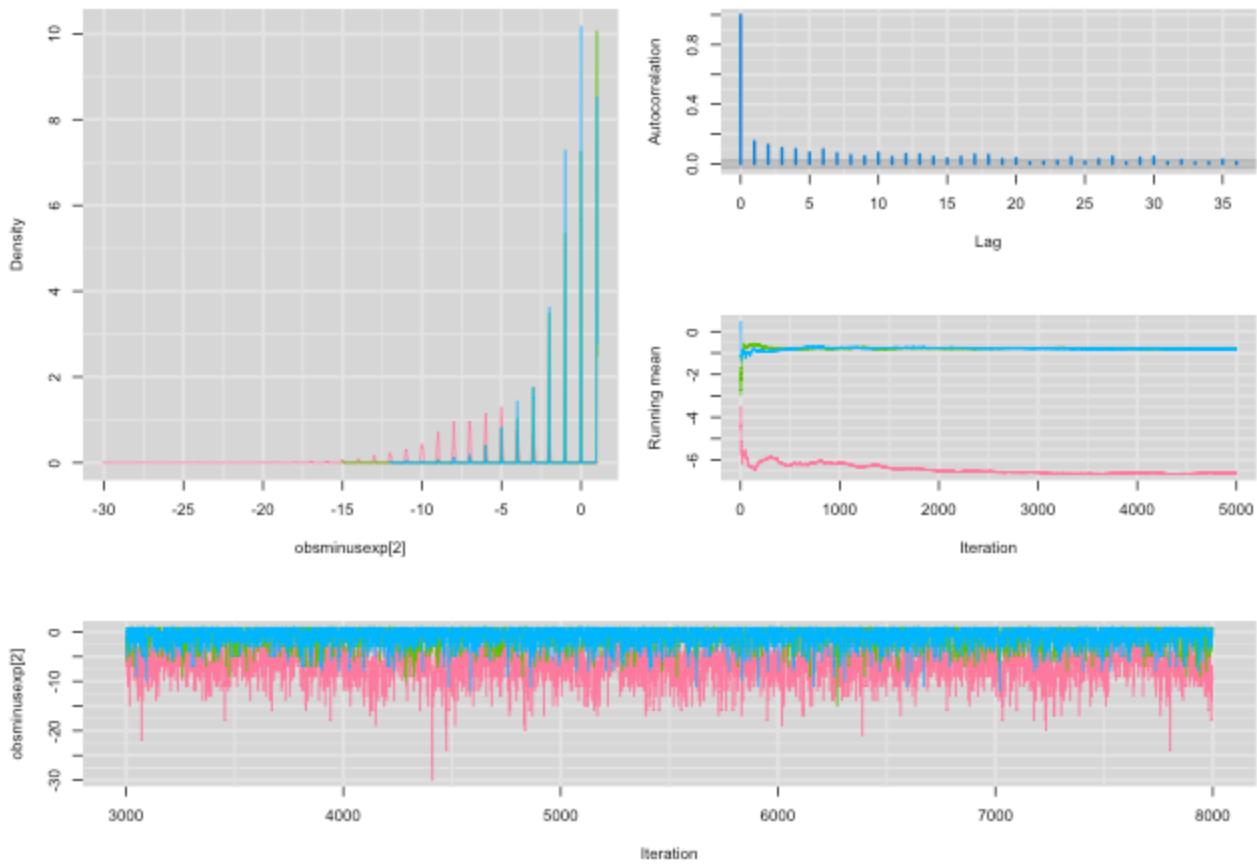
Diagnostics for exp_freq[30]**Diagnostics for exp_freq[31]**

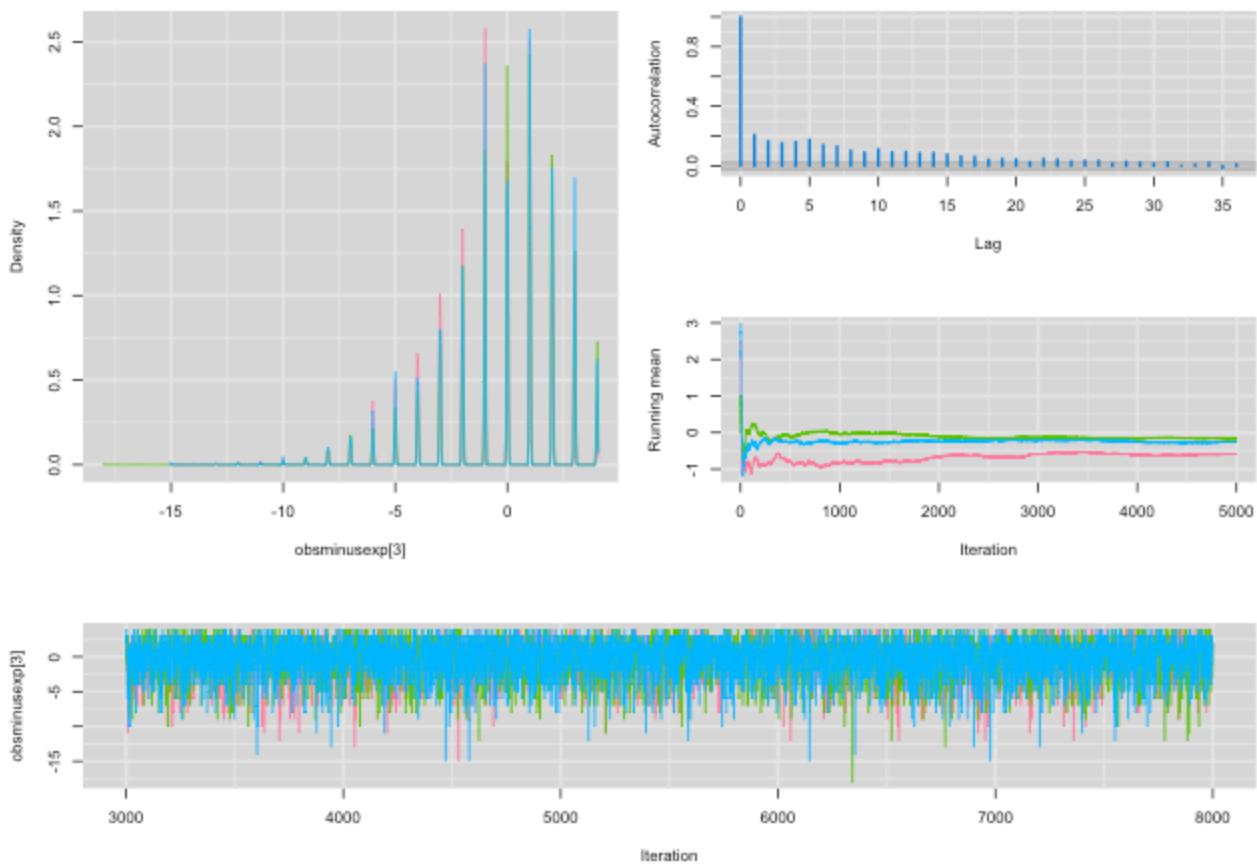
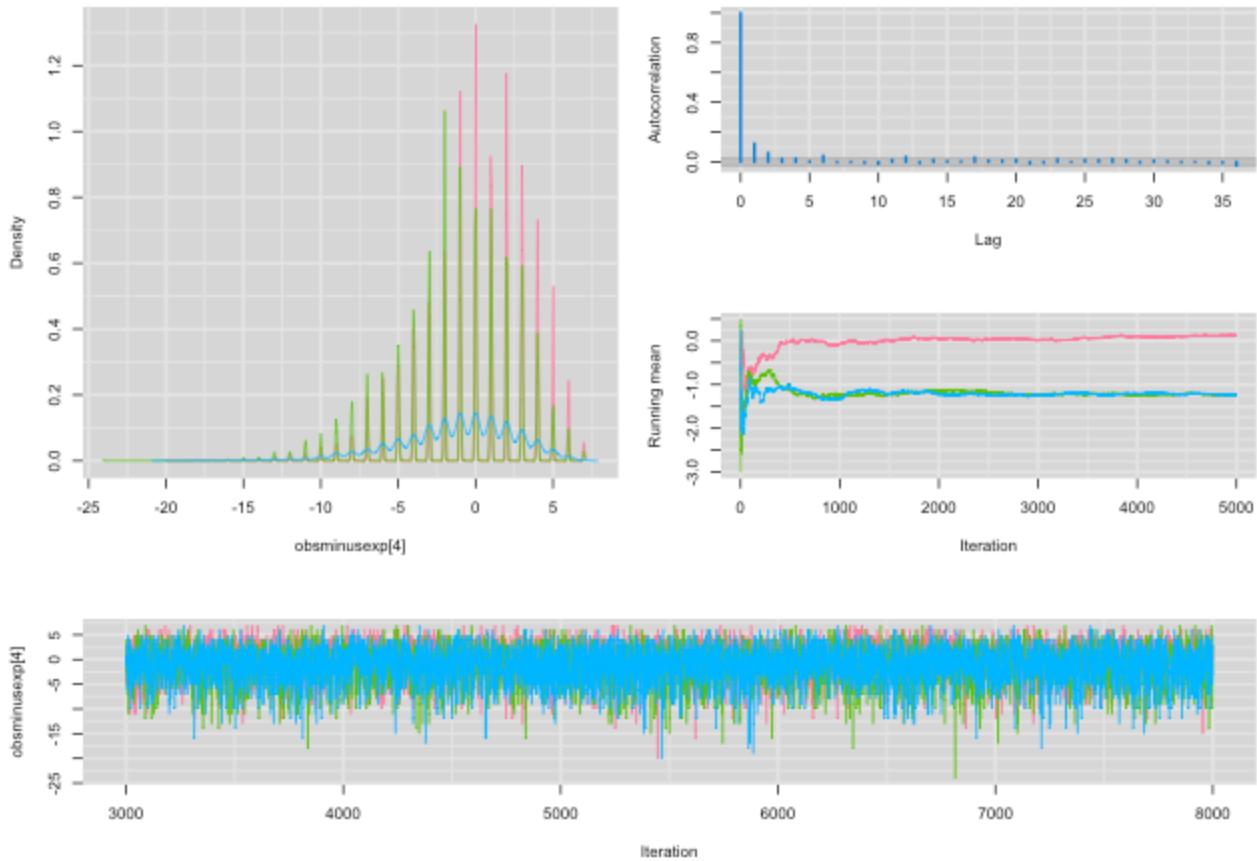
exp_freq[32]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD

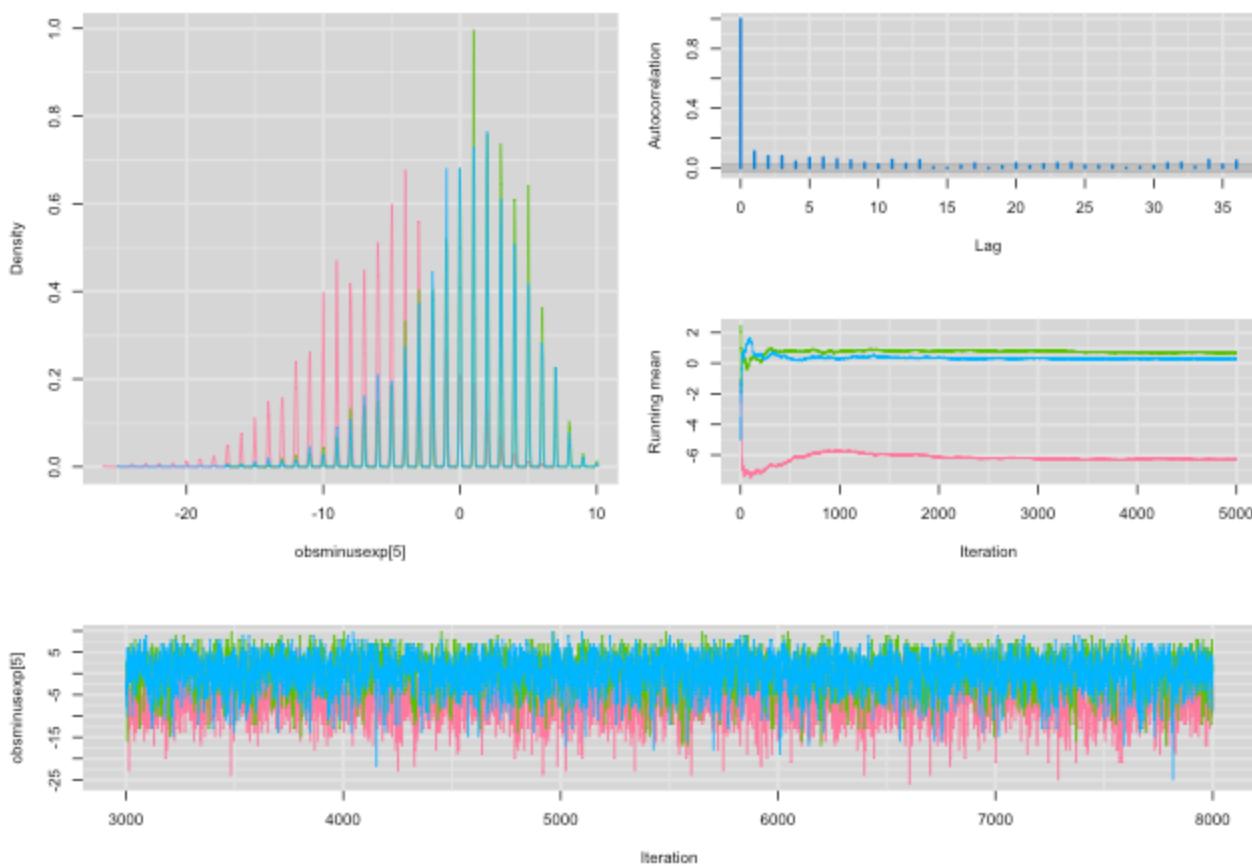
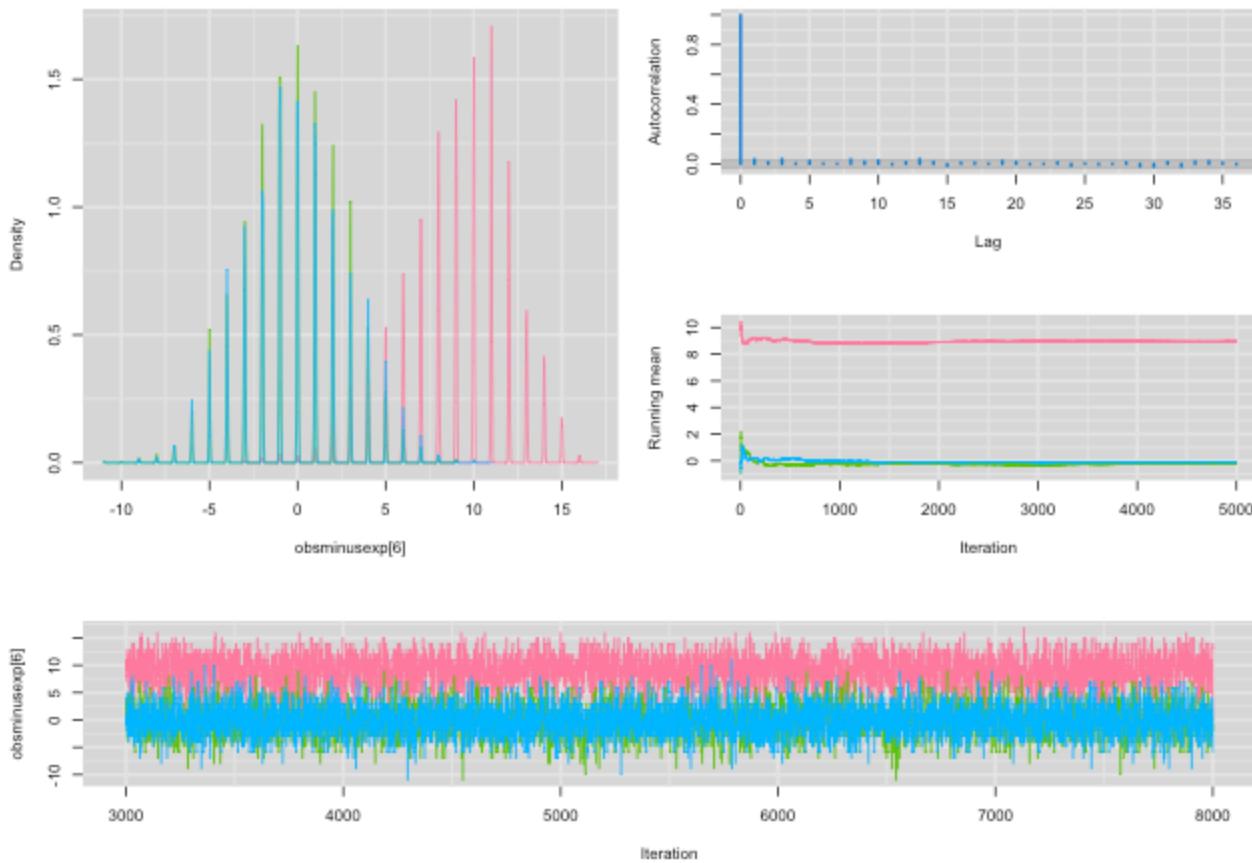
Diagnostics for exp_freq[33]**Diagnostics for exp_freq[34]**

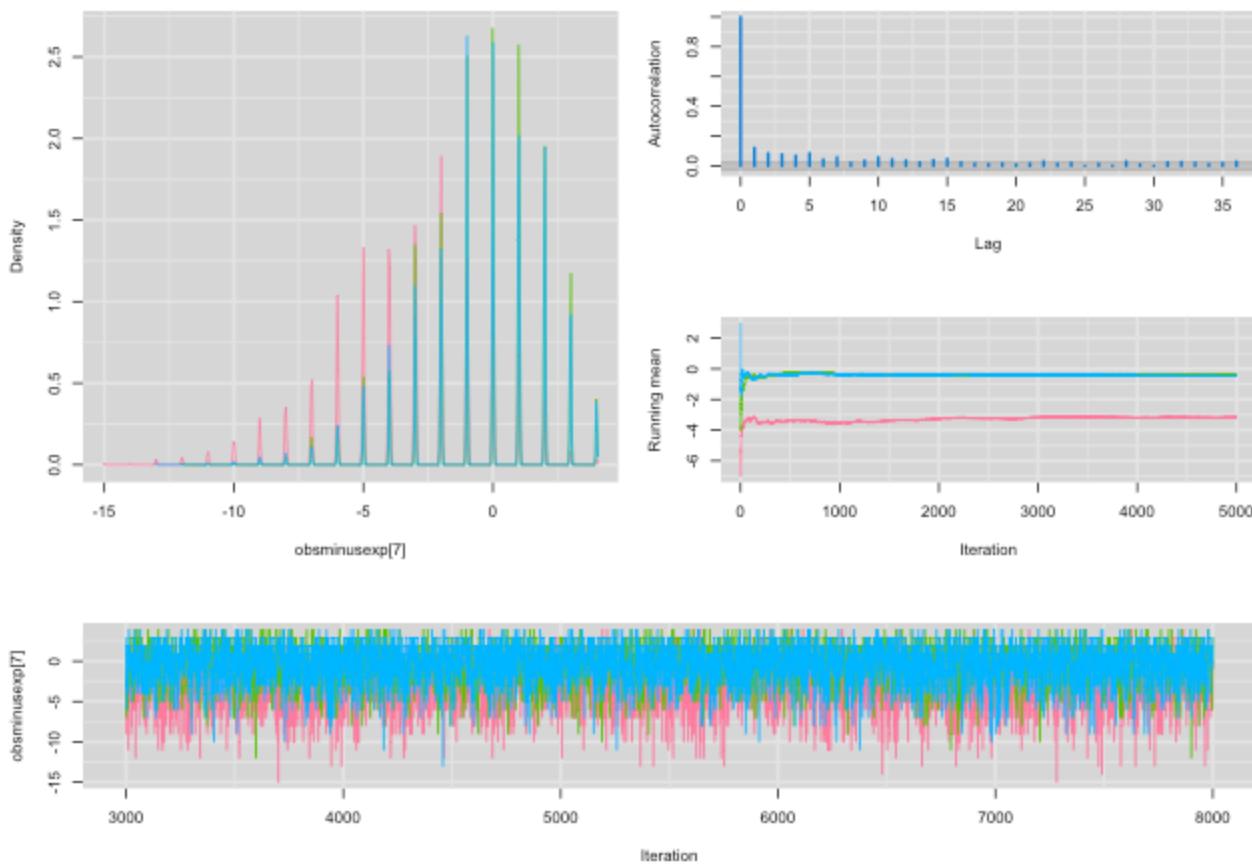
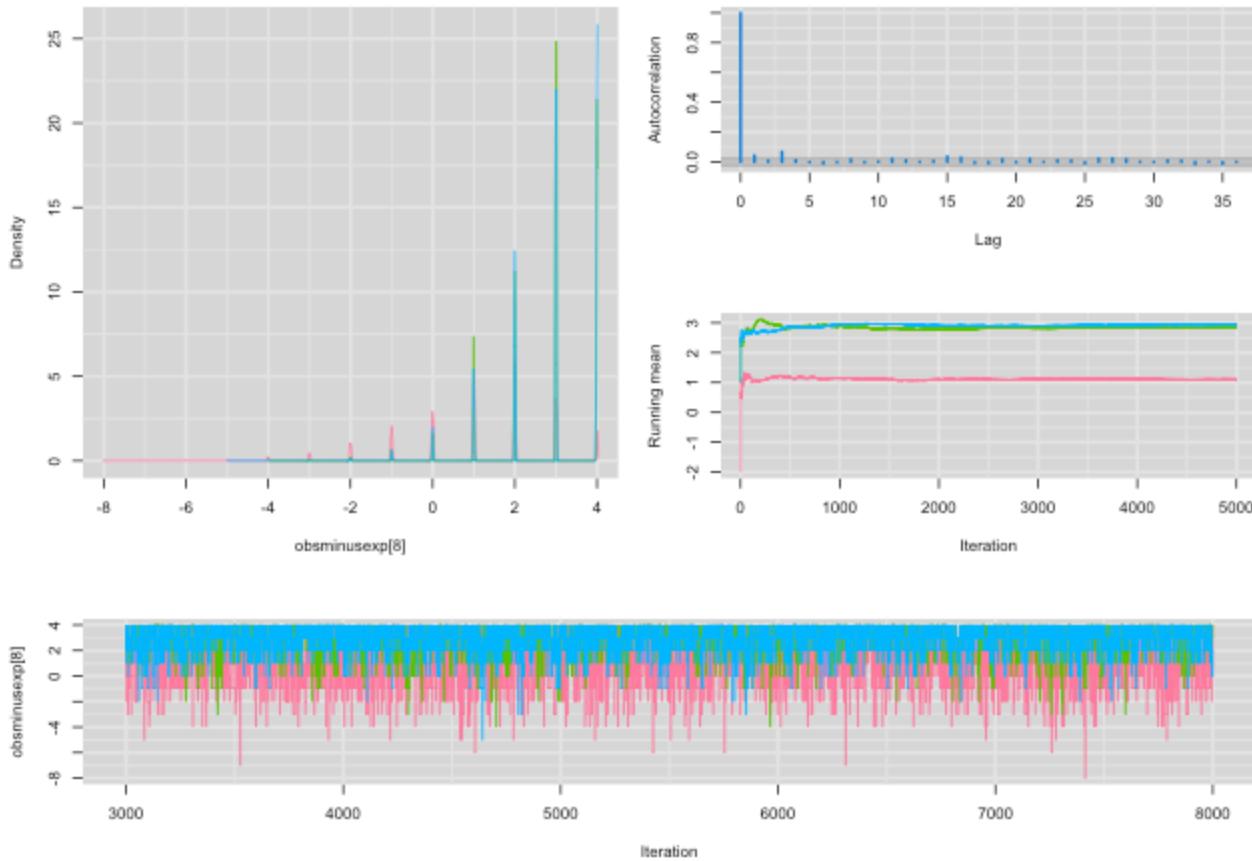
Diagnostics for exp_freq[35]**Diagnostics for exp_freq[36]**

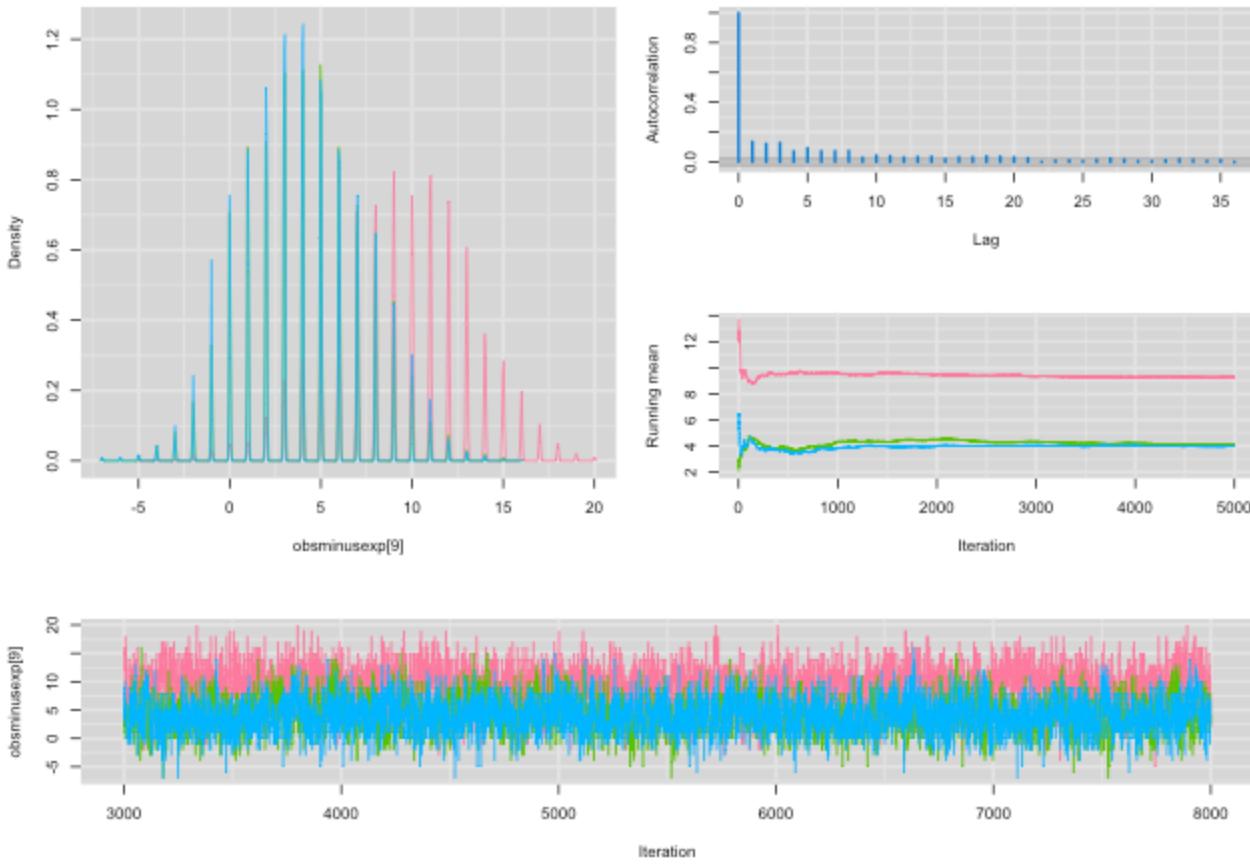
Plots for obsminusexp

Diagnostics for obsminusexp[1]**Diagnostics for obsminusexp[2]**

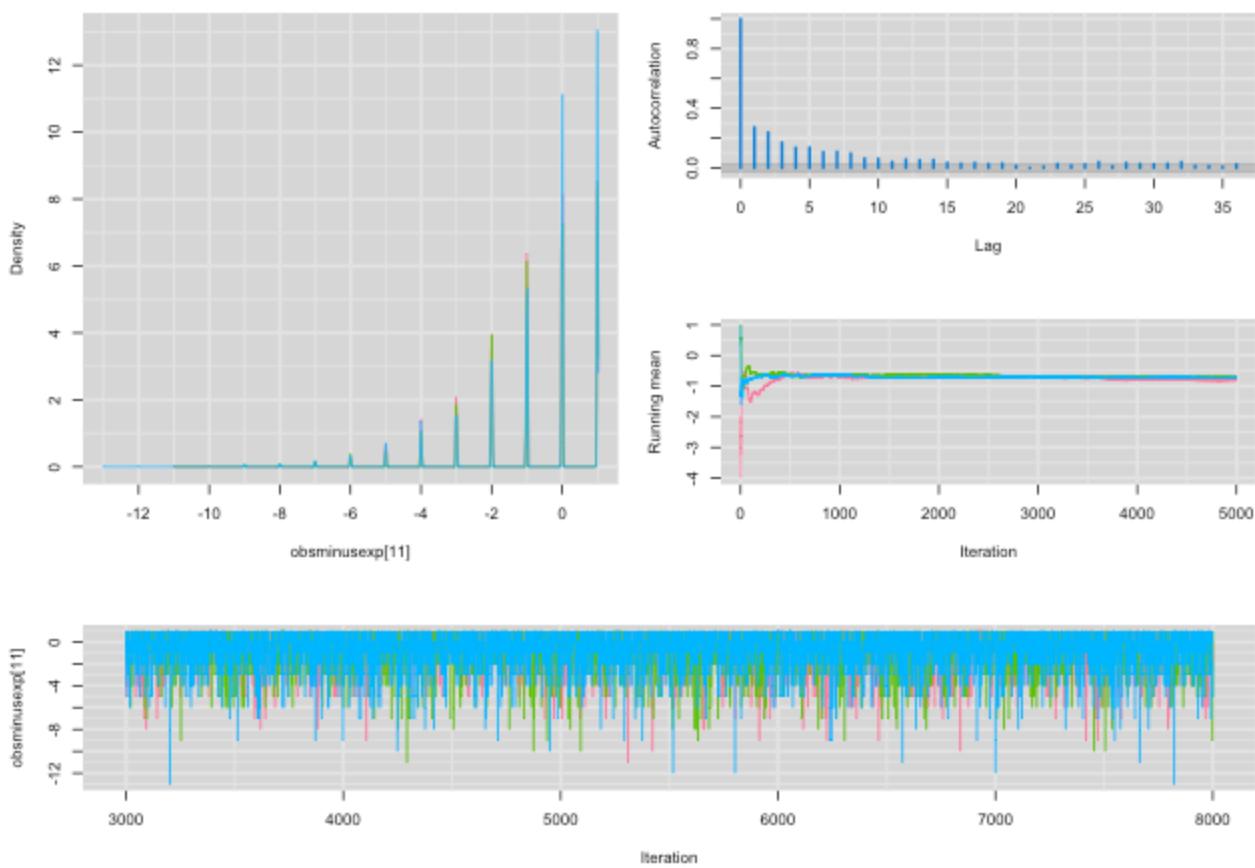
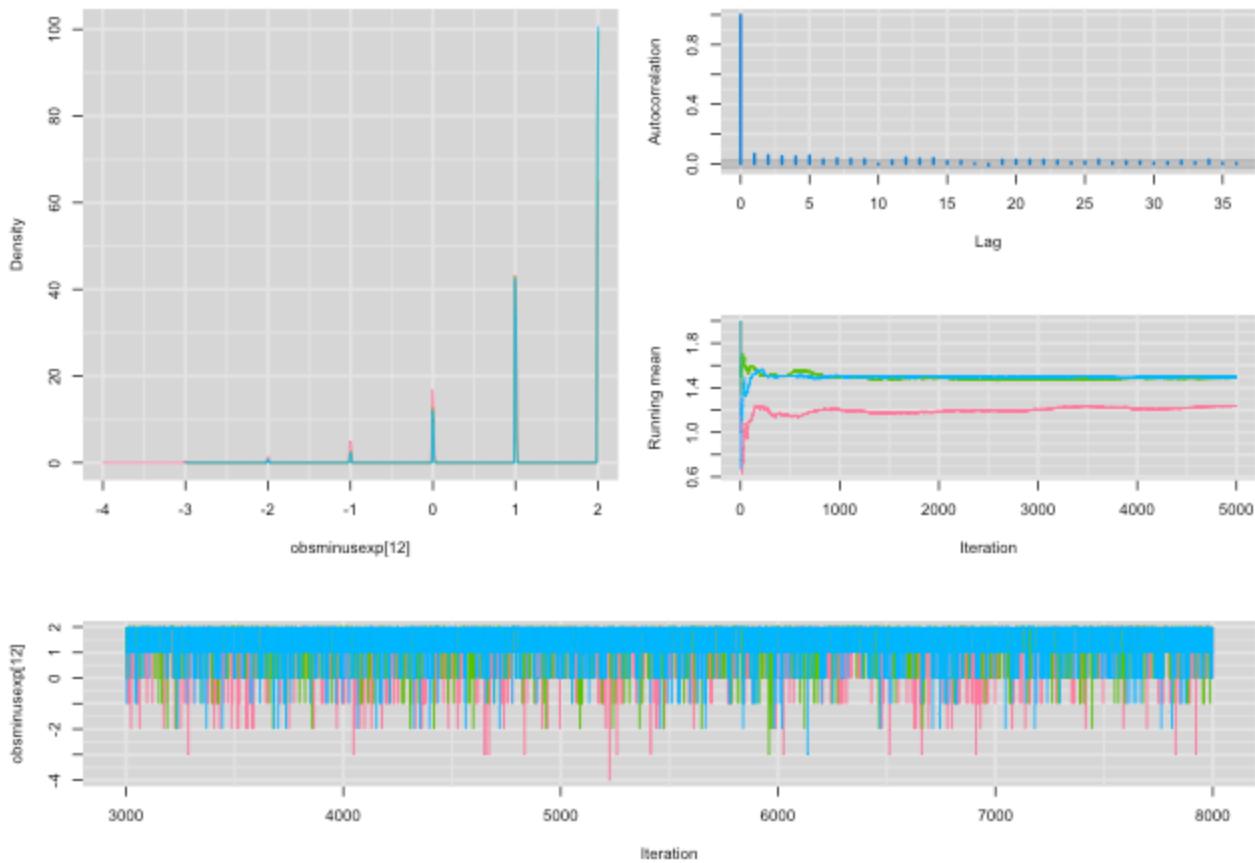
Diagnostics for obsminusexp[3]**Diagnostics for obsminusexp[4]**

Diagnostics for obsminusexp[5]**Diagnostics for obsminusexp[6]**

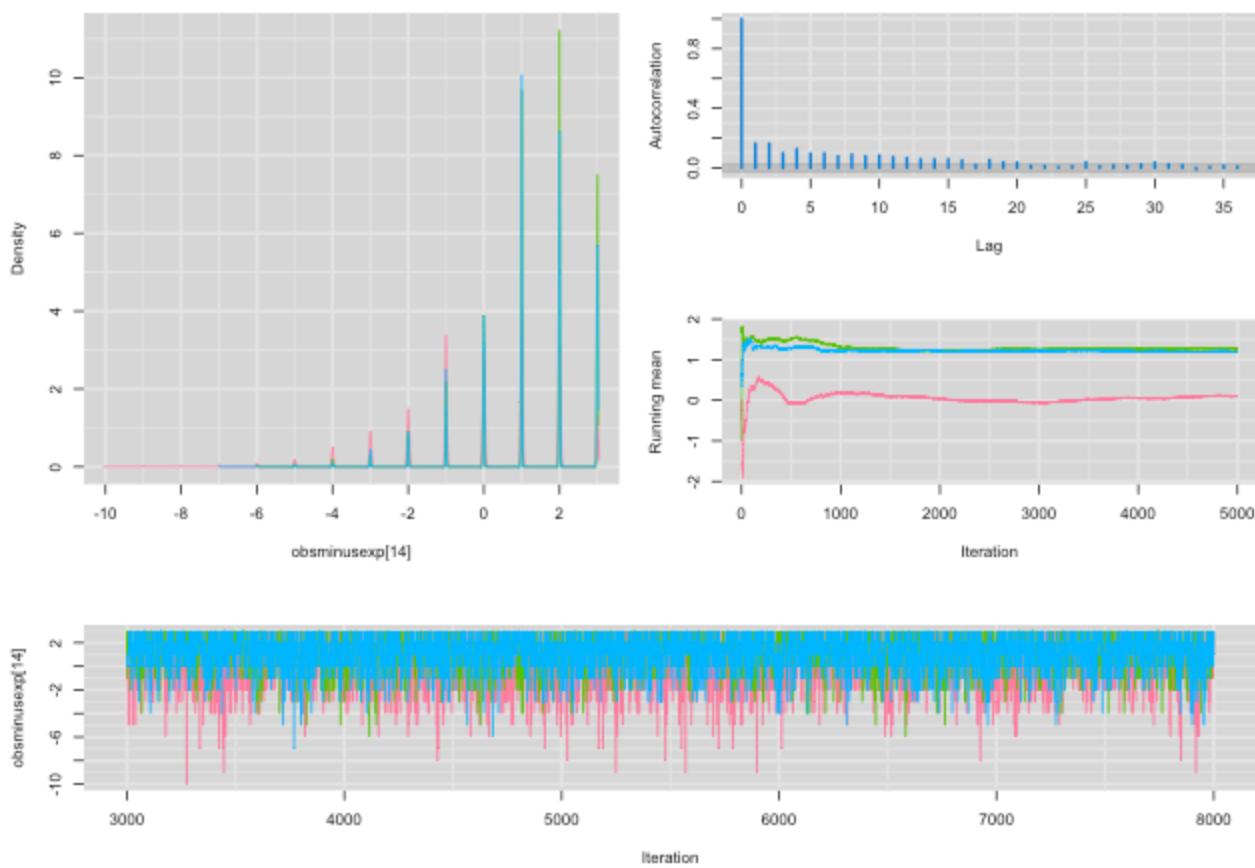
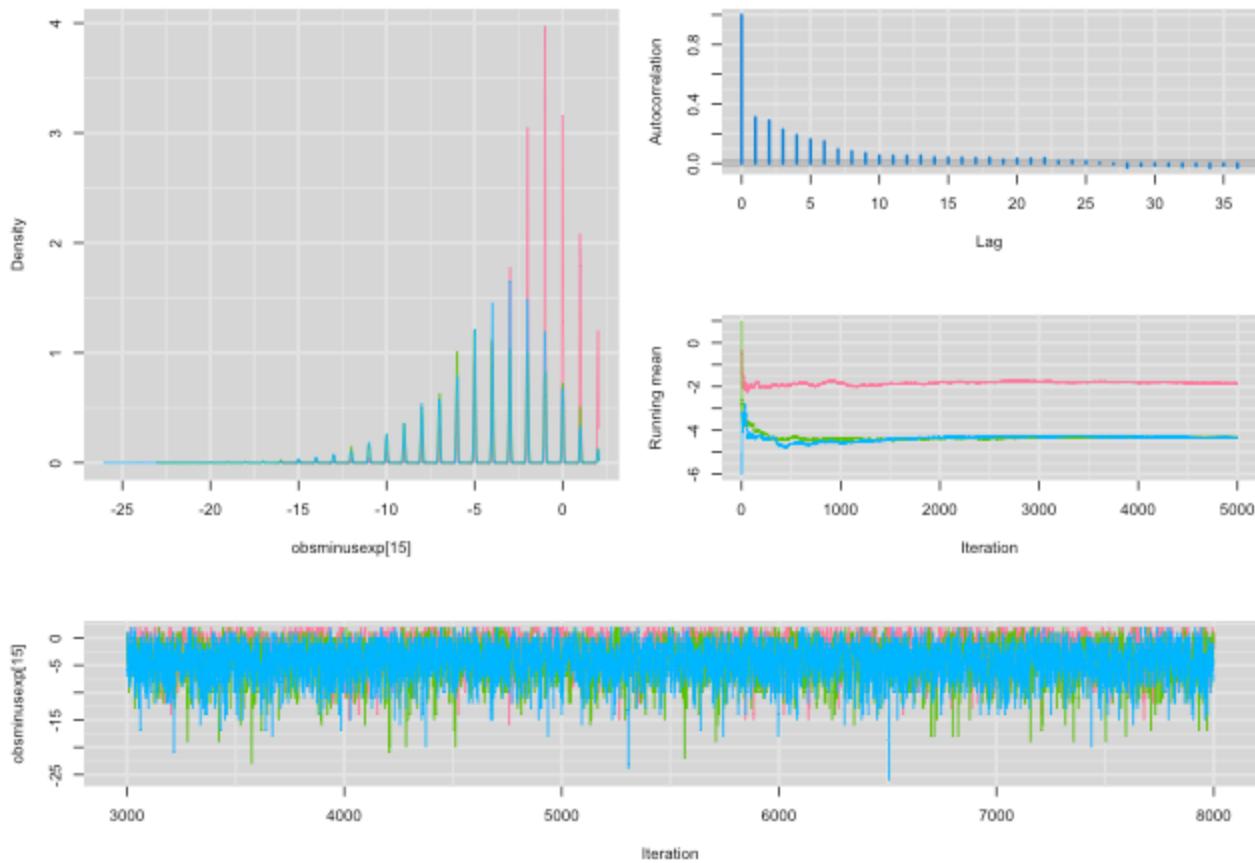
Diagnostics for obsminusexp[7]**Diagnostics for obsminusexp[8]**

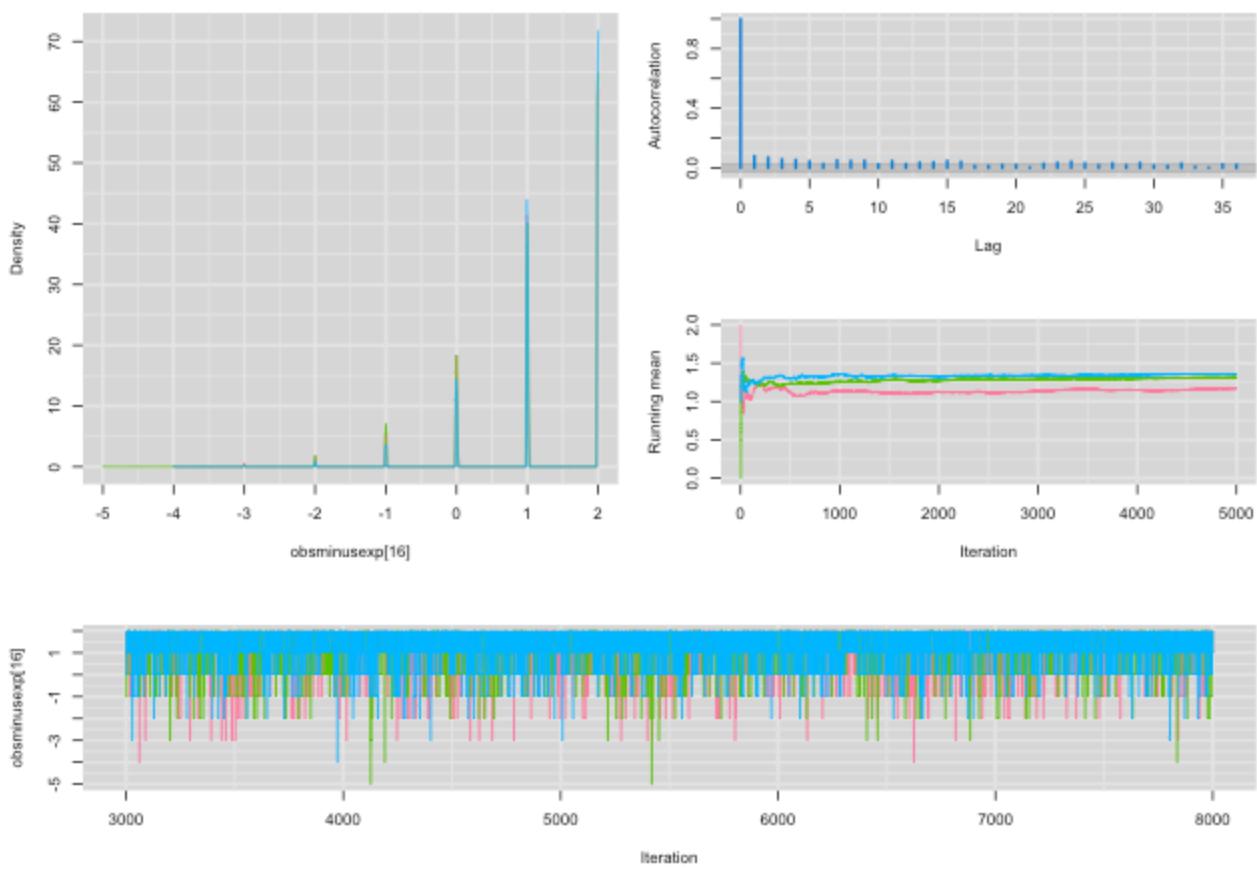
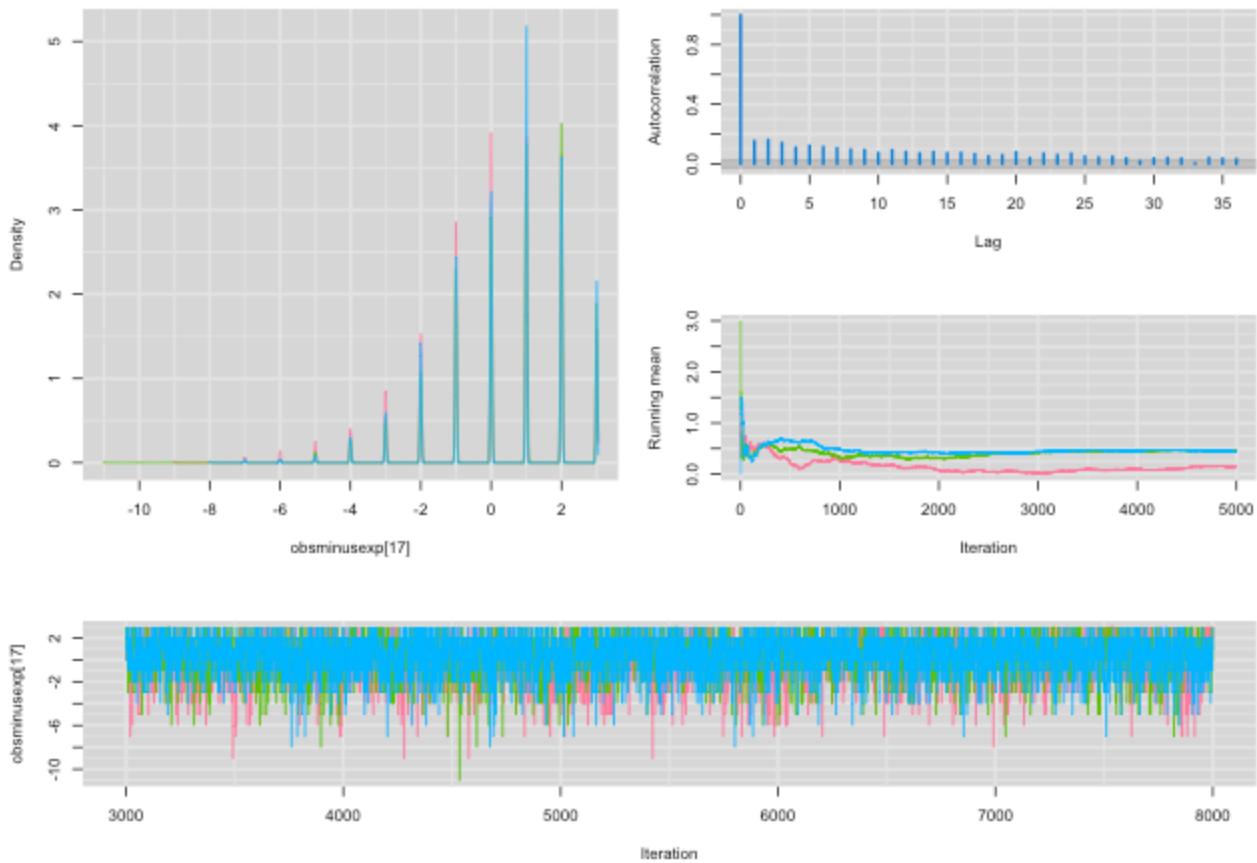
Diagnostics for obsminusexp[9]

obsminusexp[10]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD

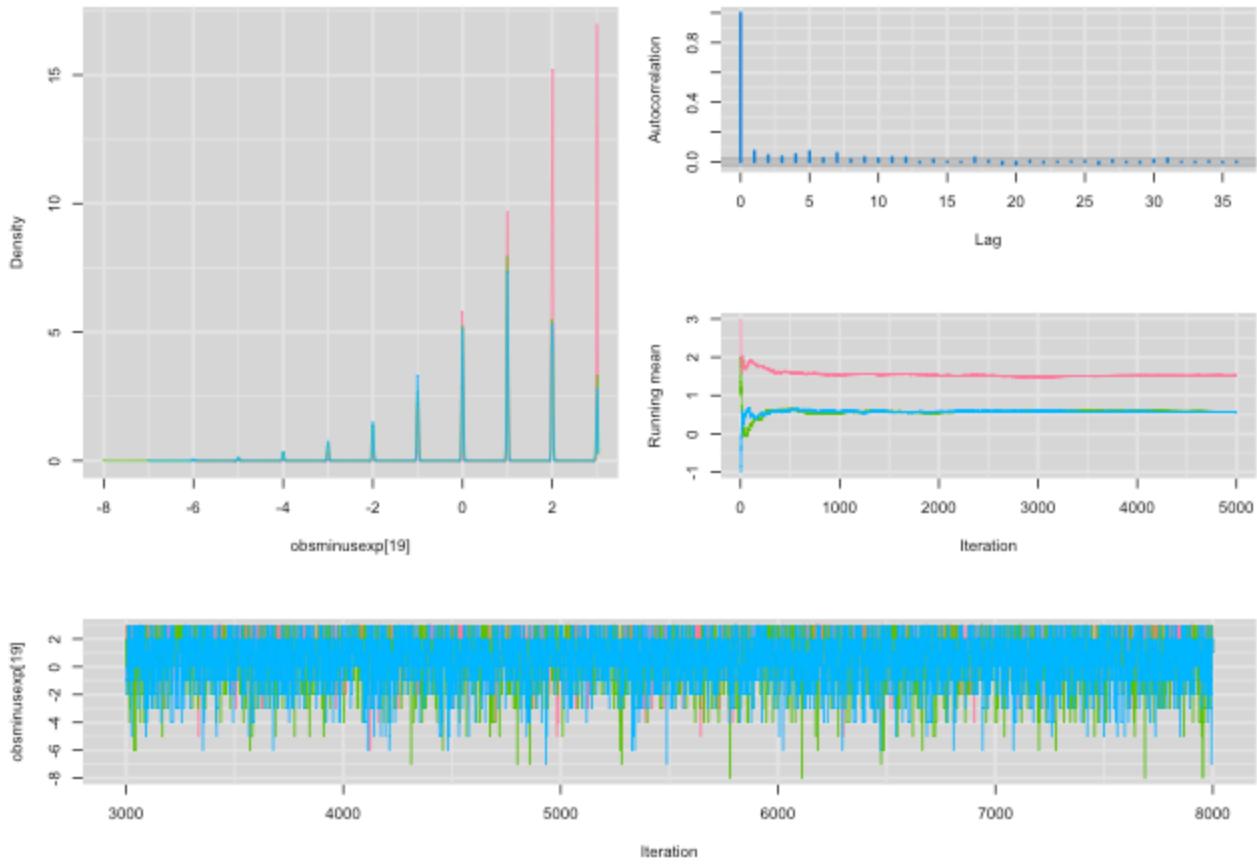
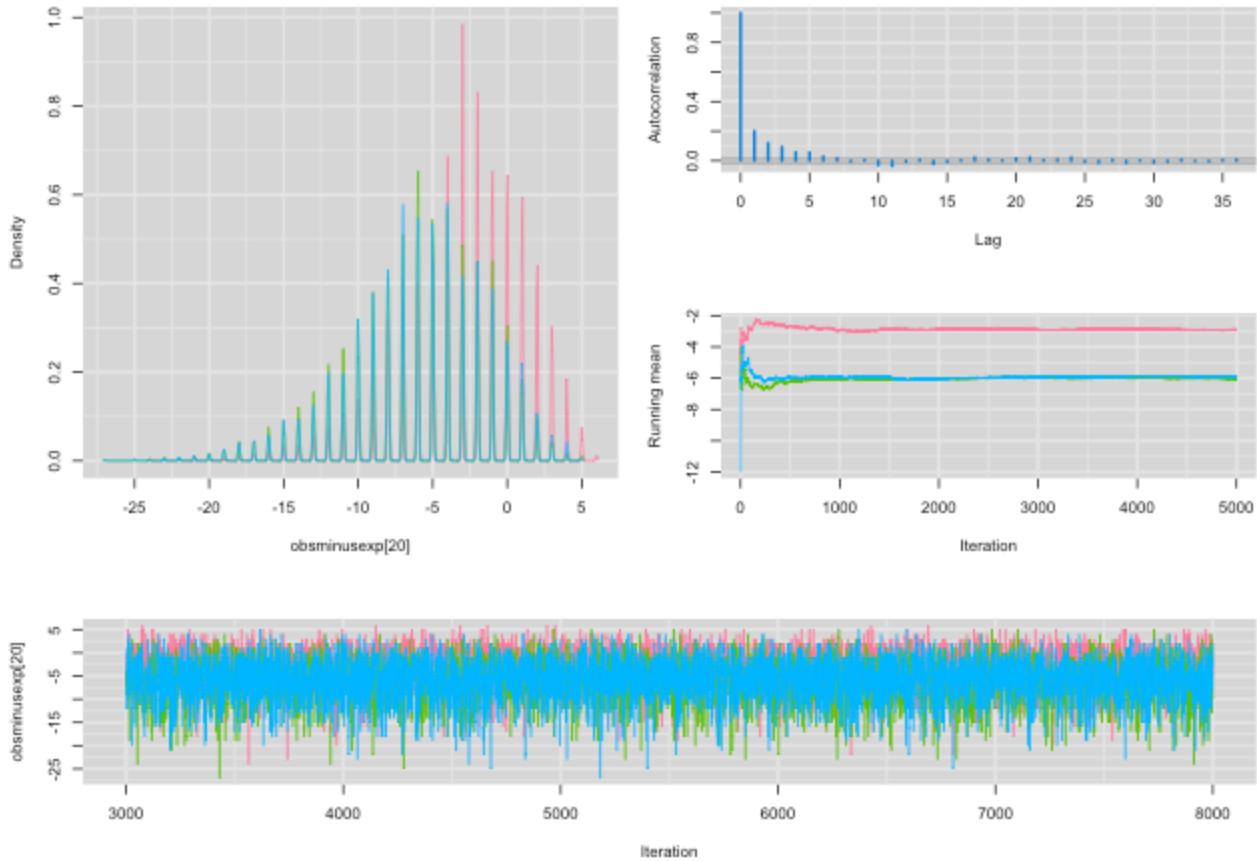
Diagnostics for obsminusexp[11]**Diagnostics for obsminusexp[12]**

obsminusexp[13]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD

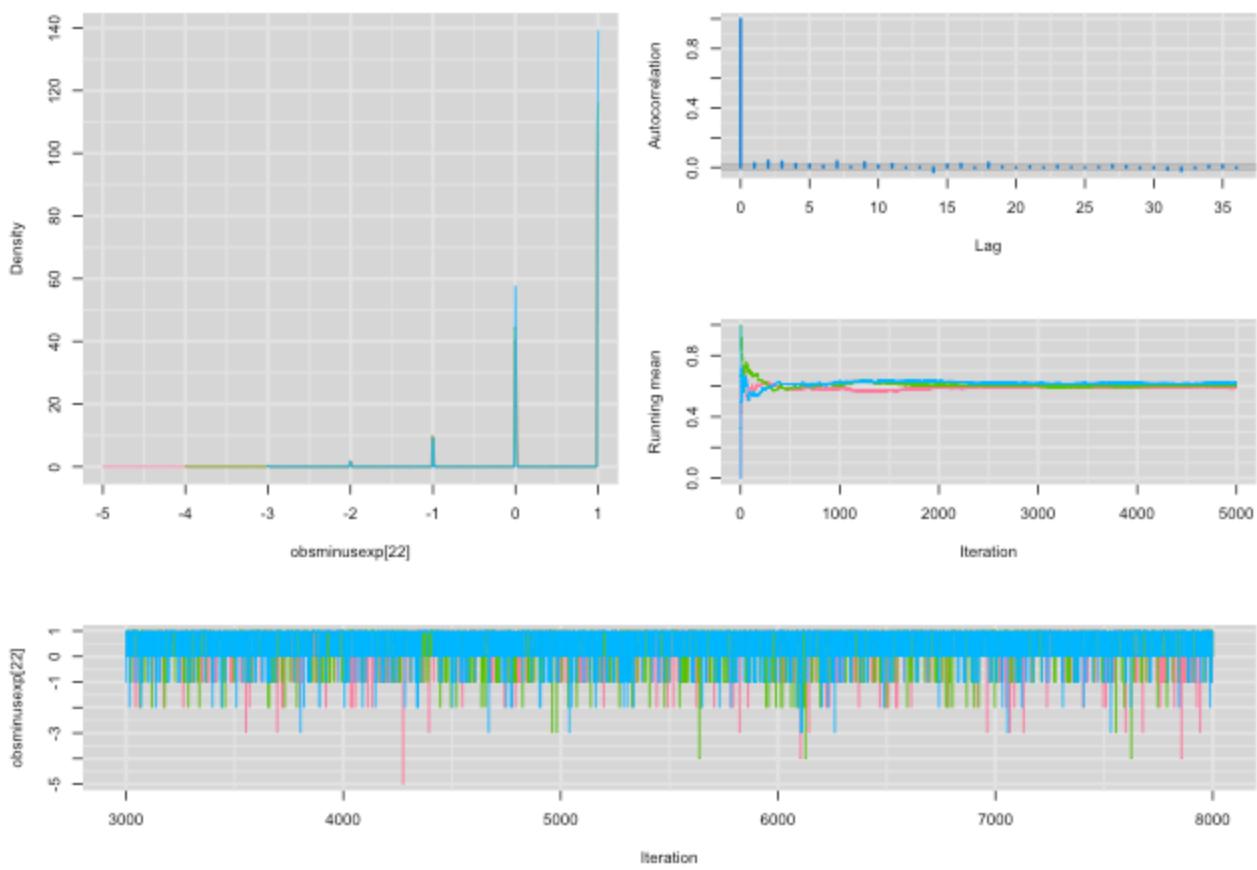
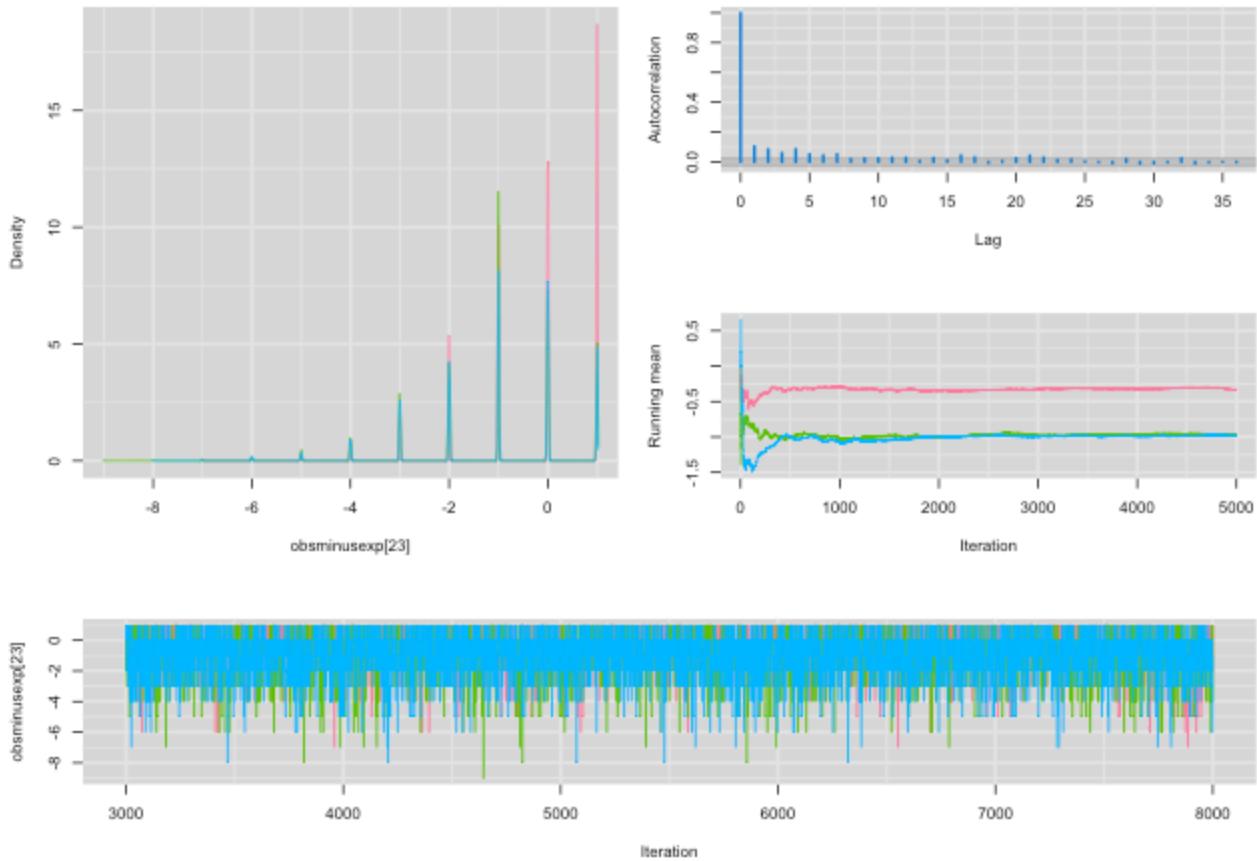
Diagnostics for obsminusexp[14]**Diagnostics for obsminusexp[15]**

Diagnostics for obsminusexp[16]**Diagnostics for obsminusexp[17]**

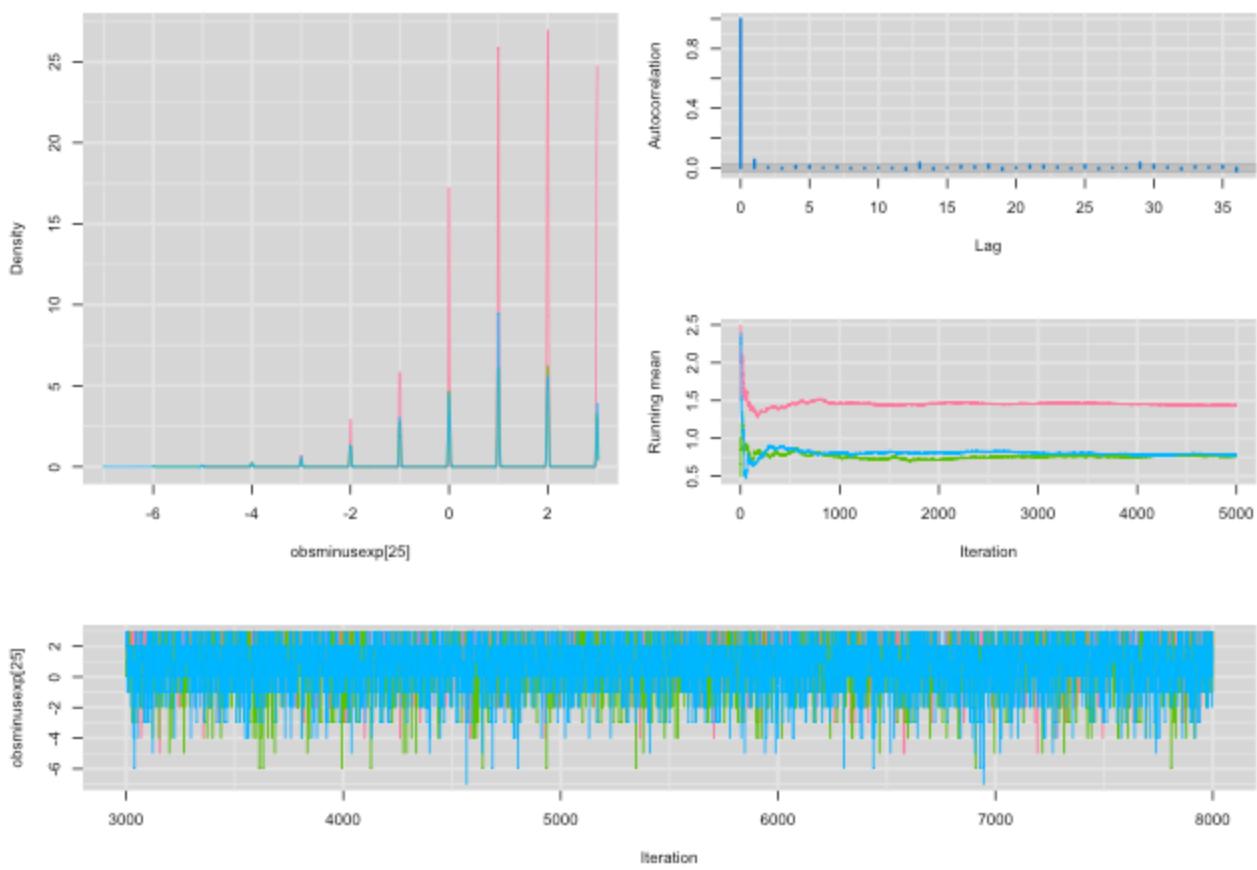
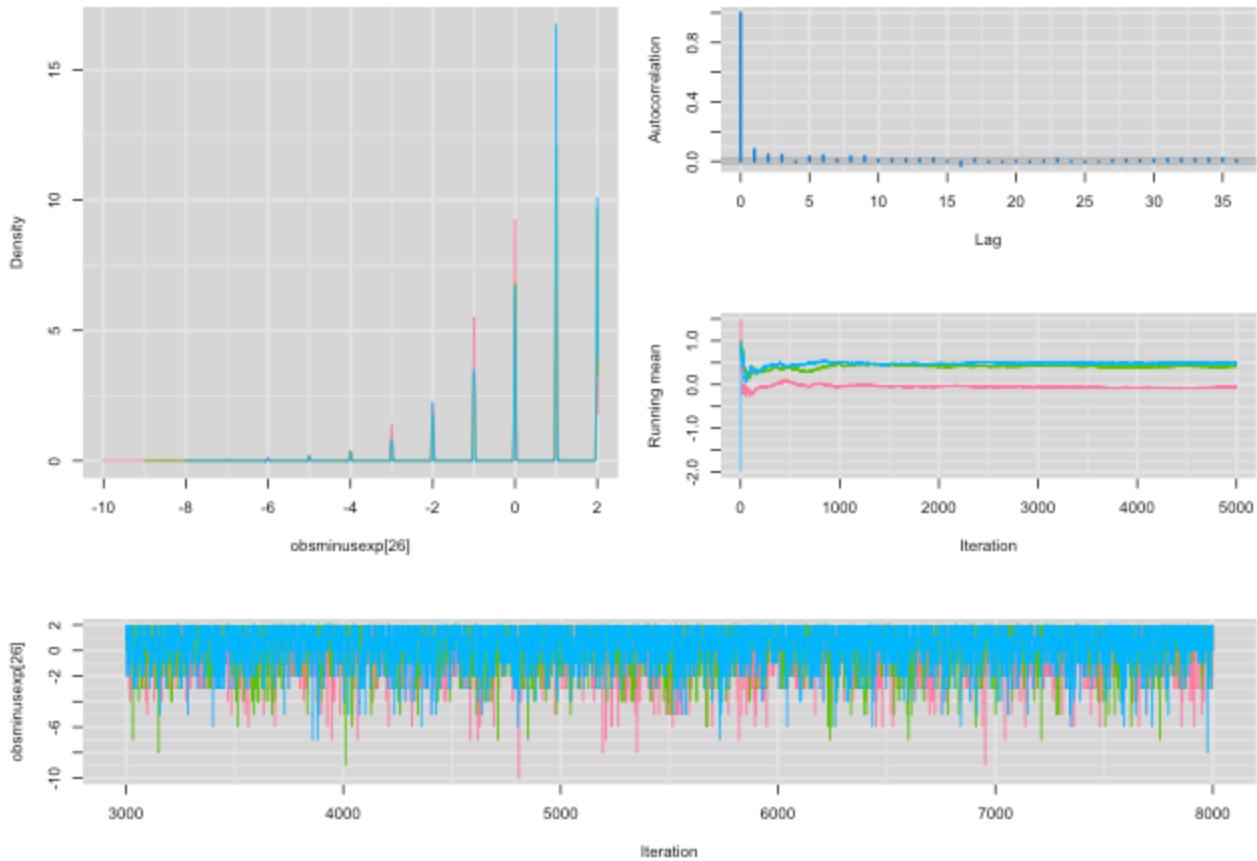
obsminusexp[18]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD

Diagnostics for obsminusexp[19]**Diagnostics for obsminusexp[20]**

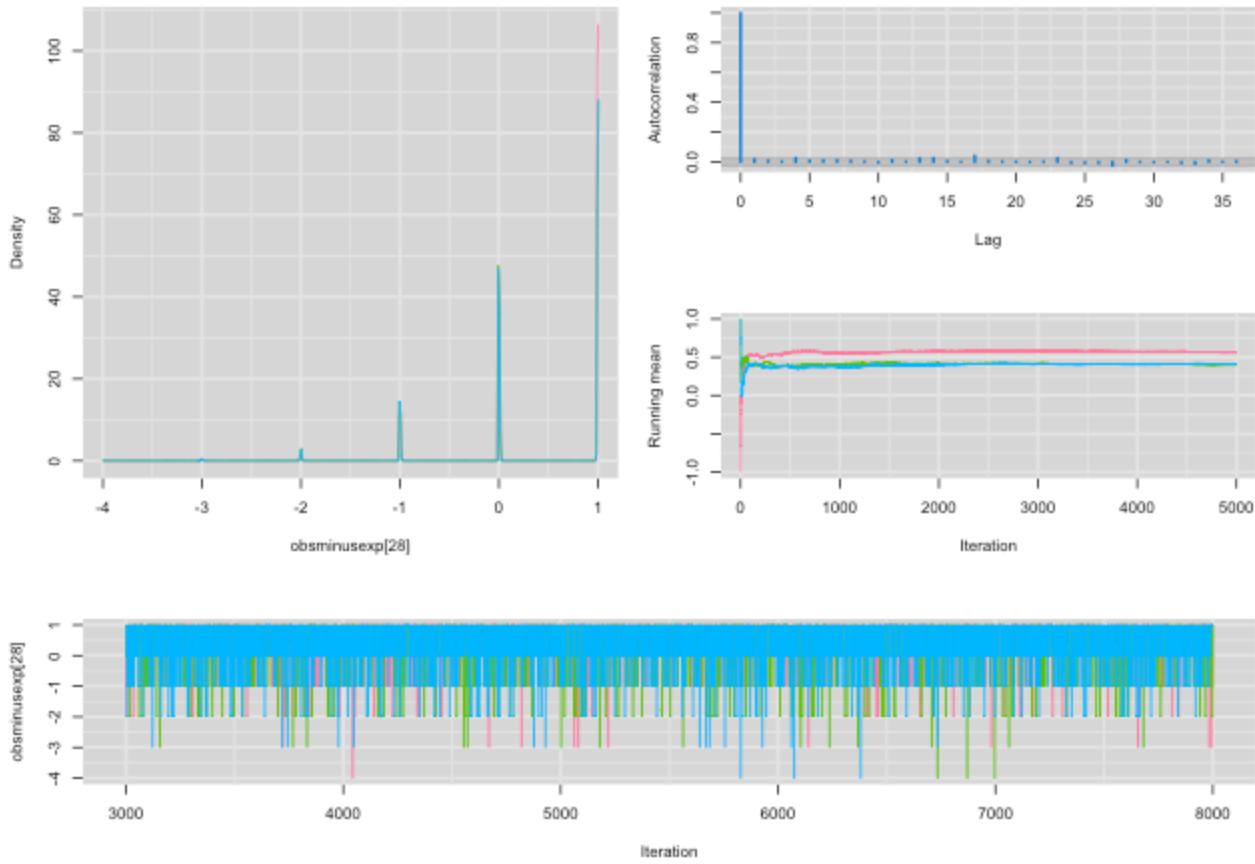
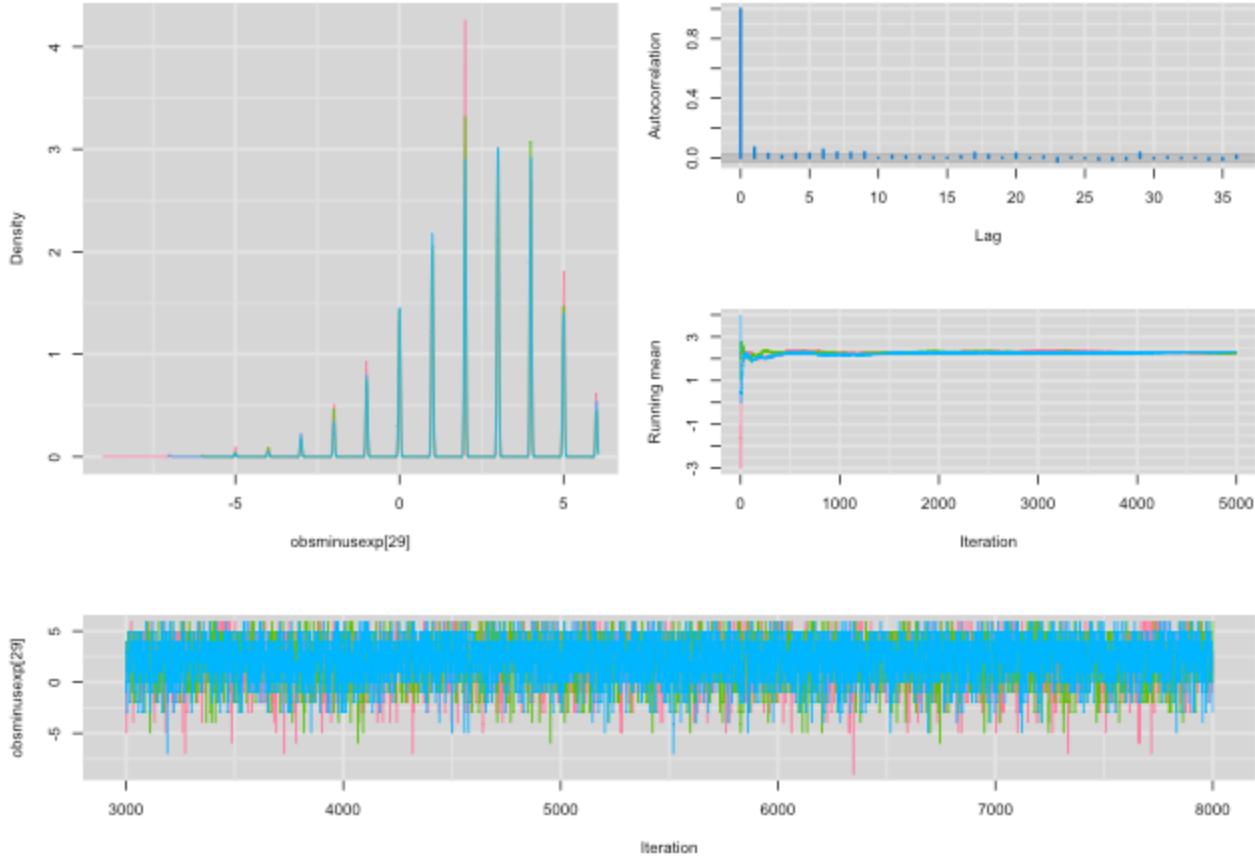
obsminusexp[21]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD

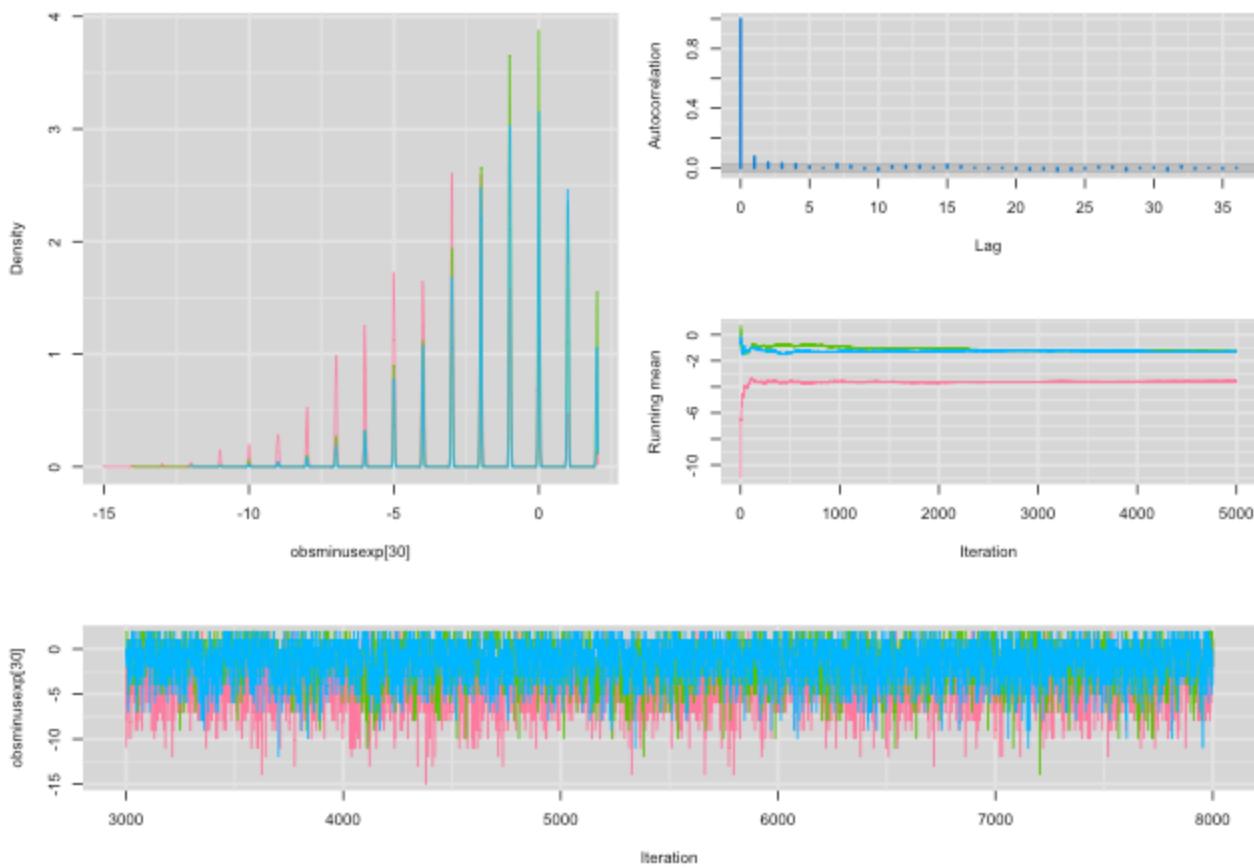
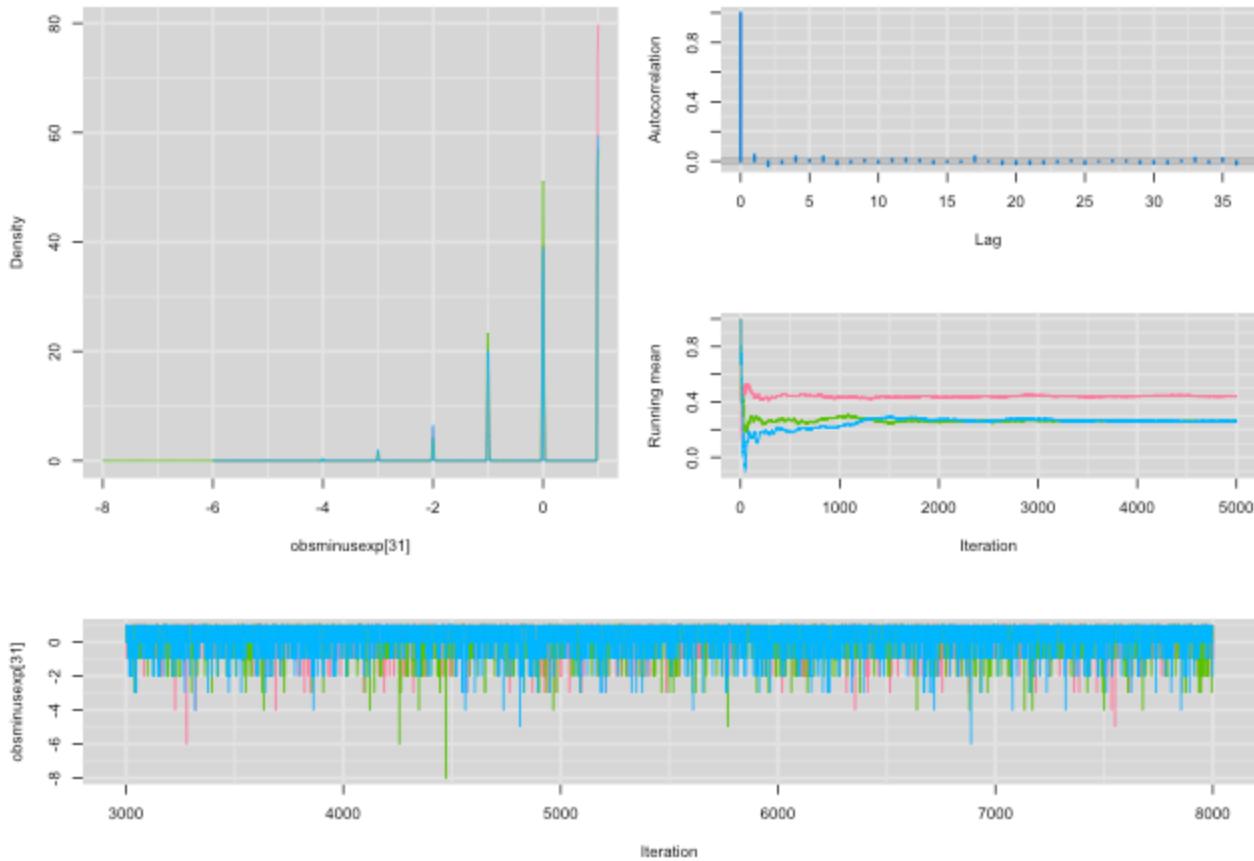
Diagnostics for obsminusexp[22]**Diagnostics for obsminusexp[23]**

obsminusexp[24]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD

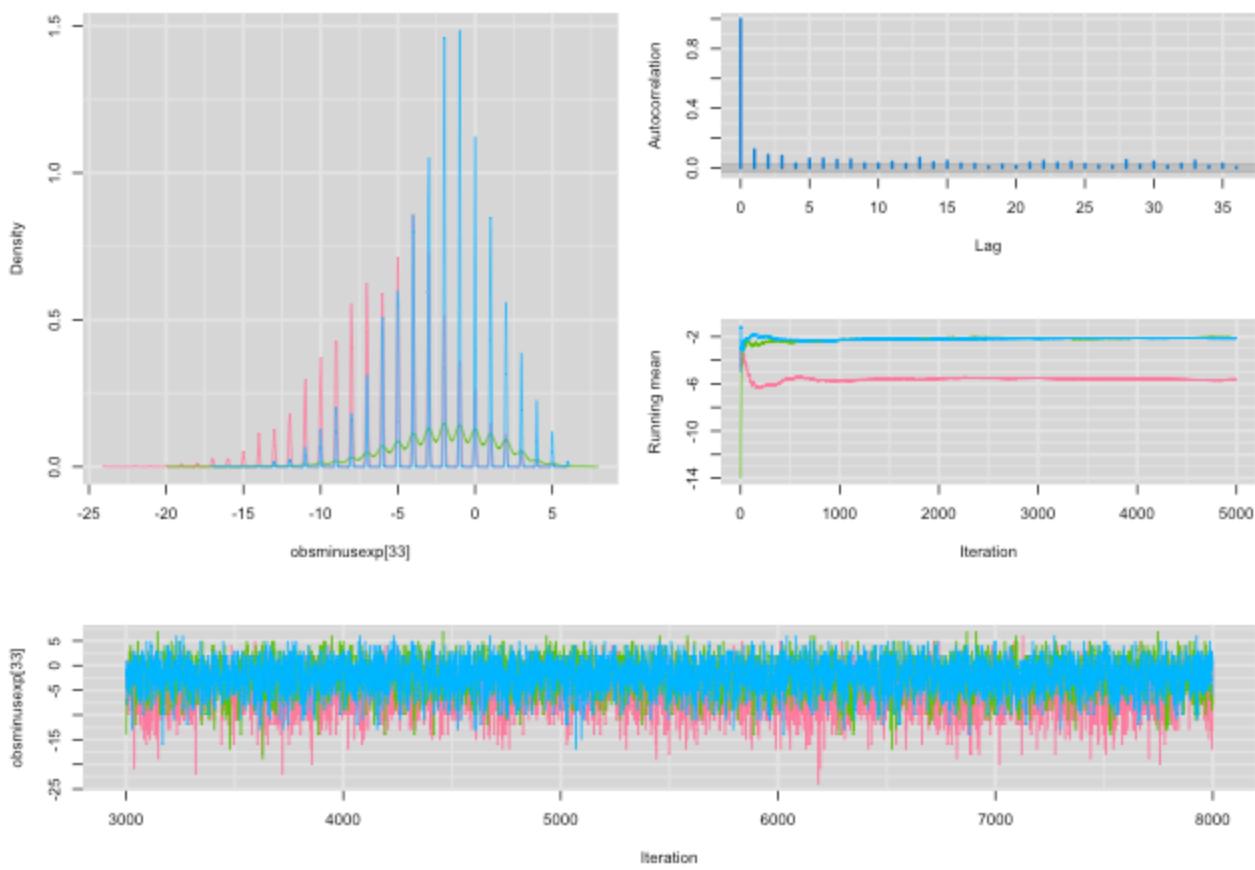
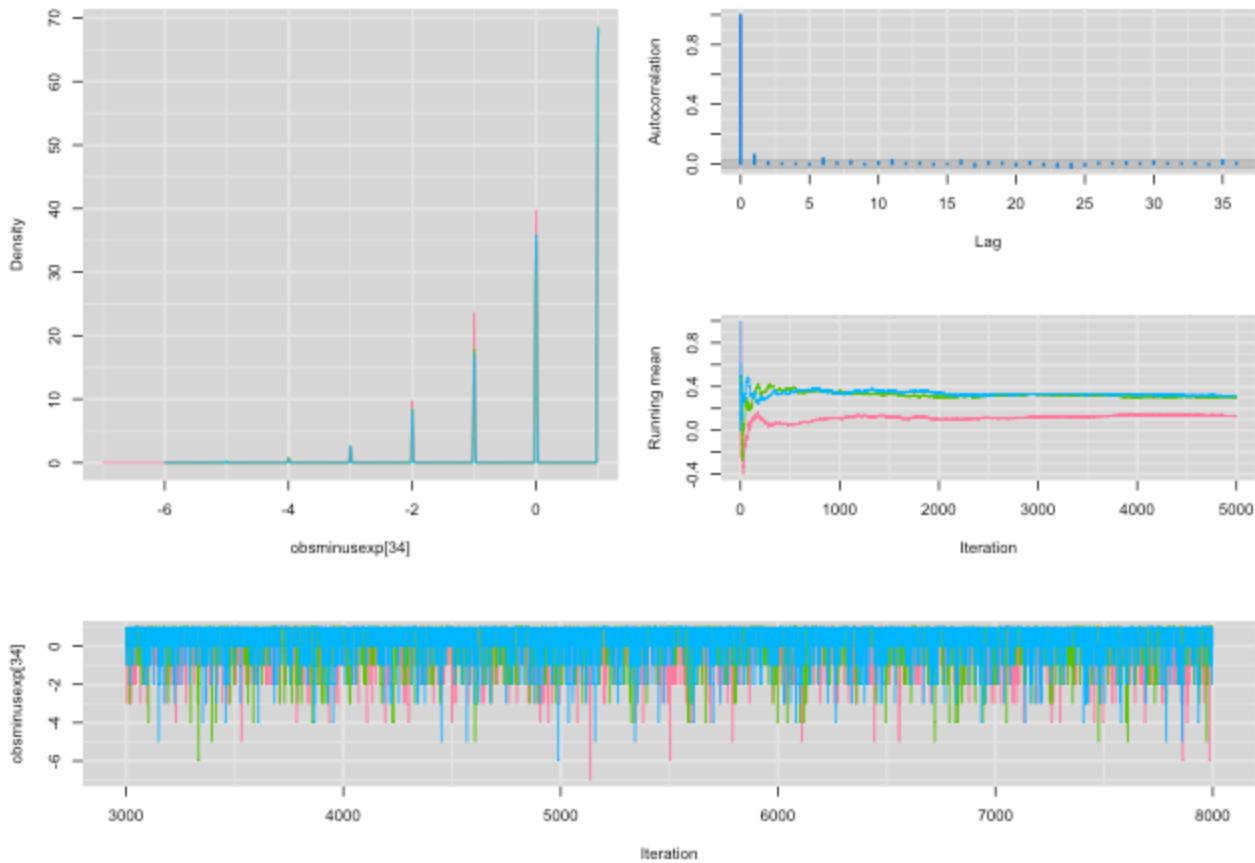
Diagnostics for obsminusexp[25]**Diagnostics for obsminusexp[26]**

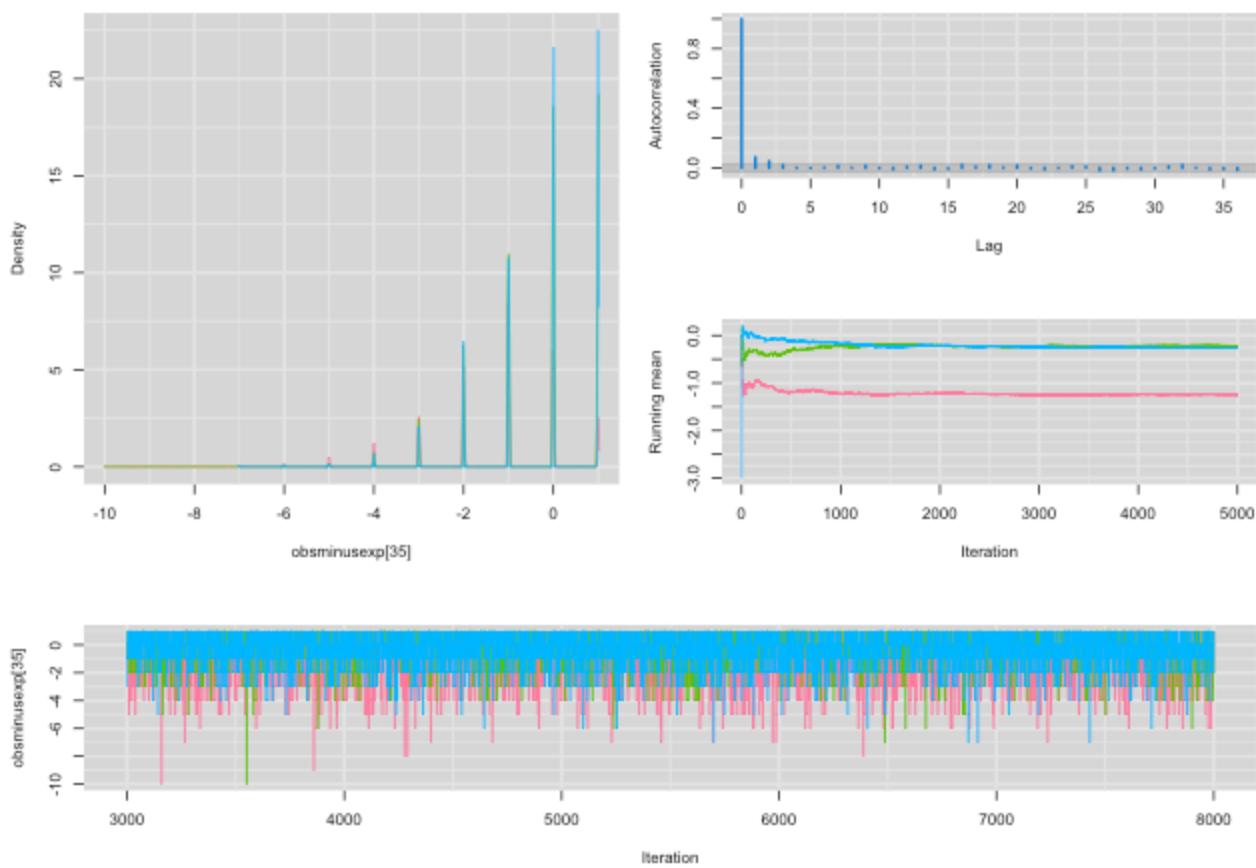
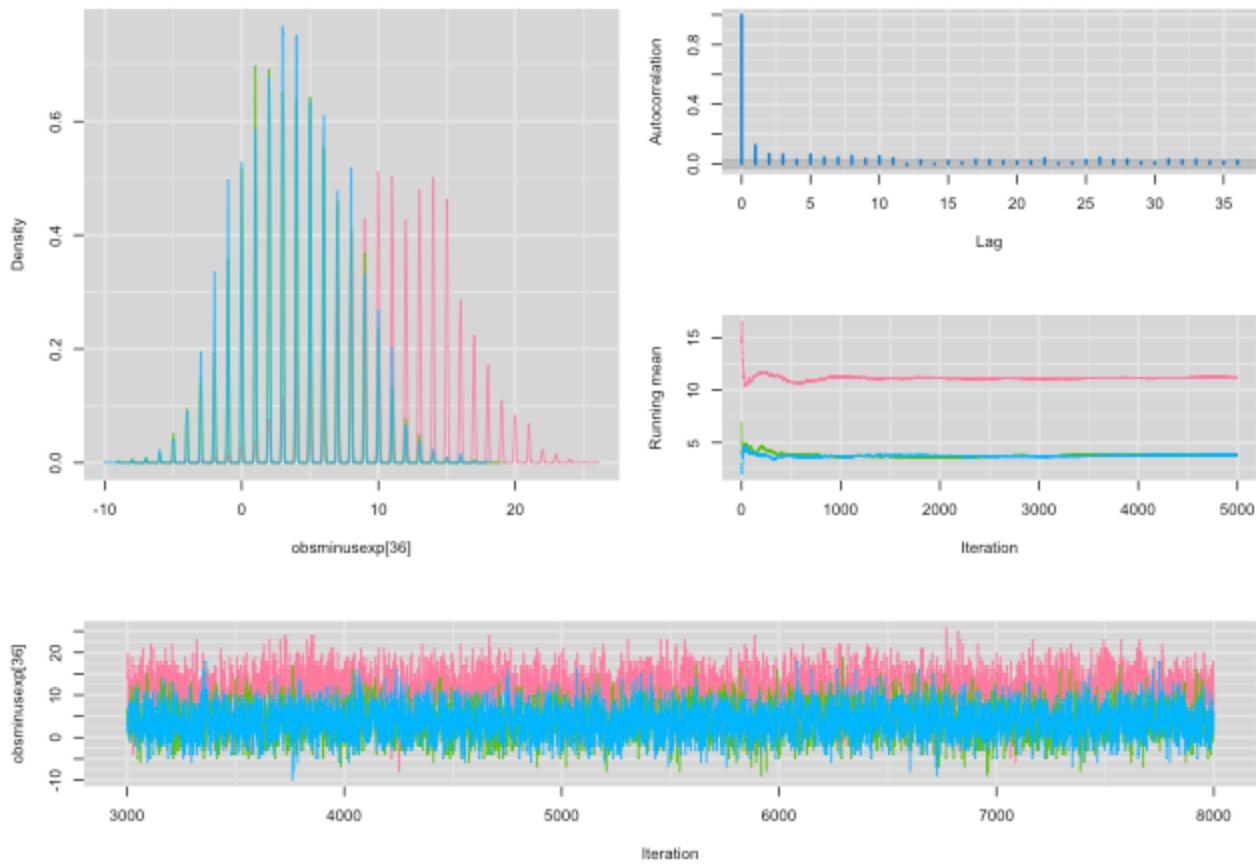
obsminusexp[27]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD

Diagnostics for obsminusexp[28]**Diagnostics for obsminusexp[29]**

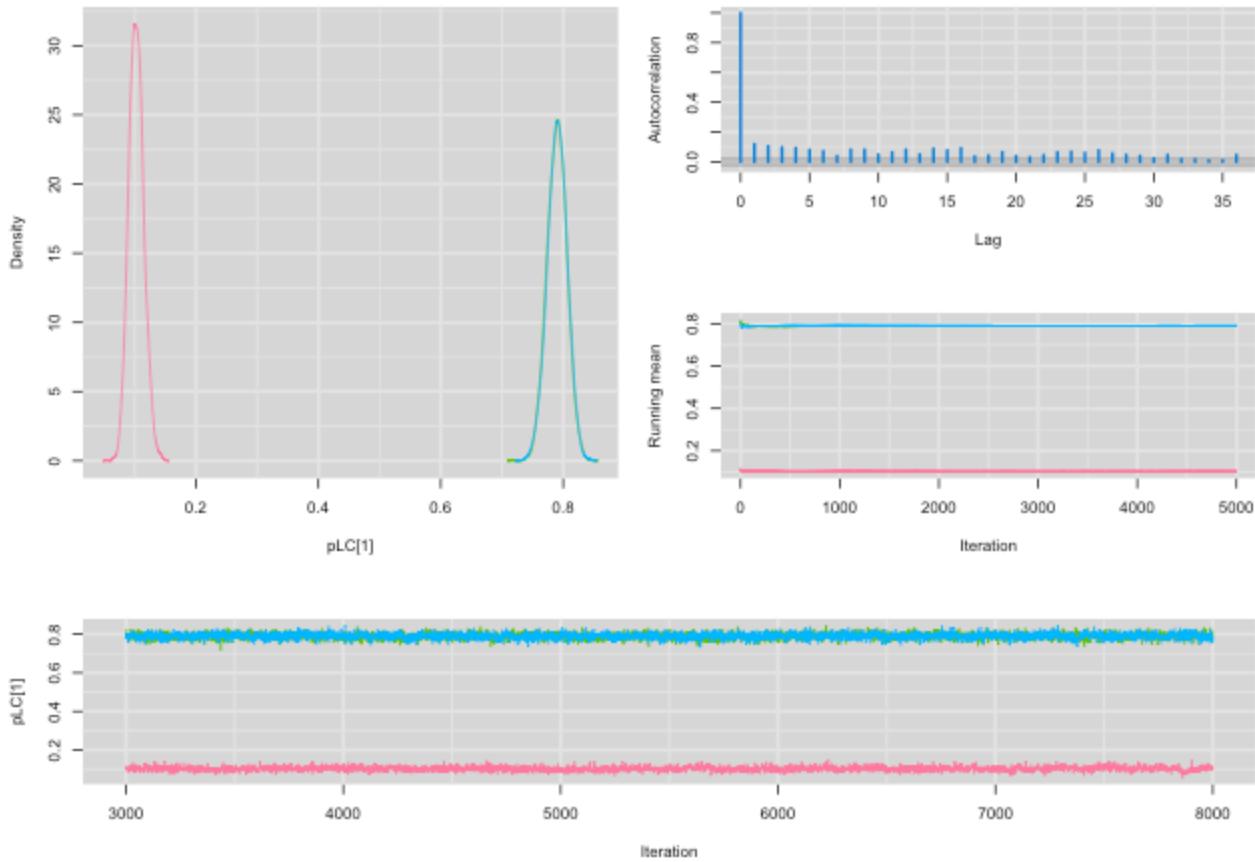
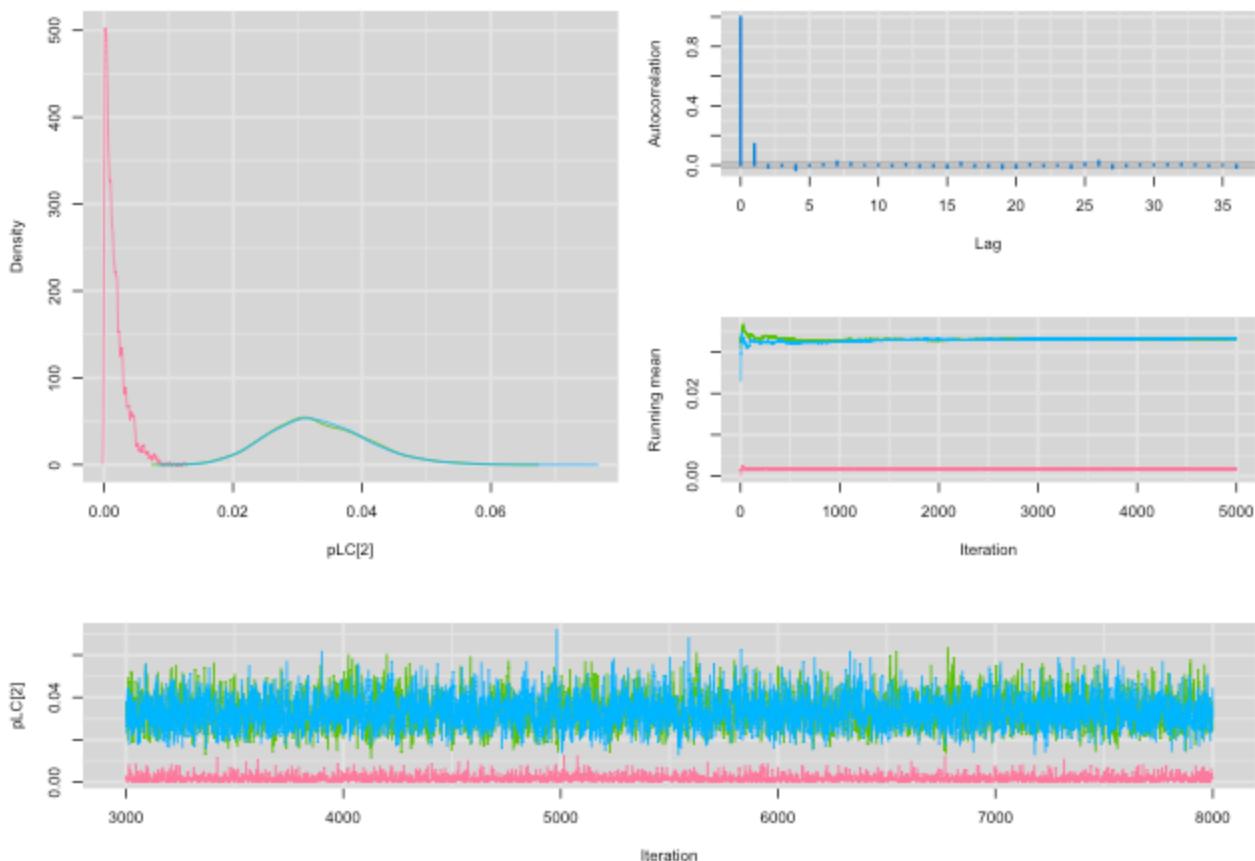
Diagnostics for obsminusexp[30]**Diagnostics for obsminusexp[31]**

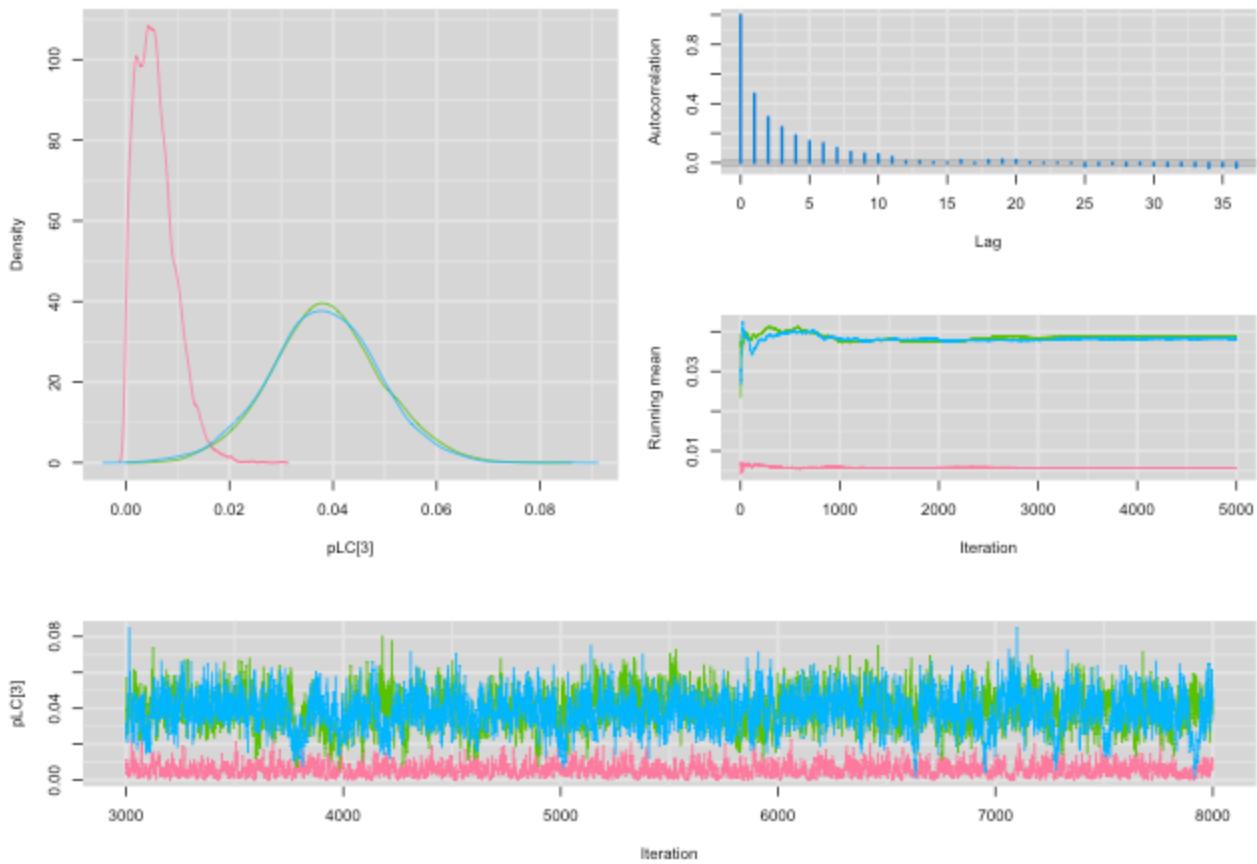
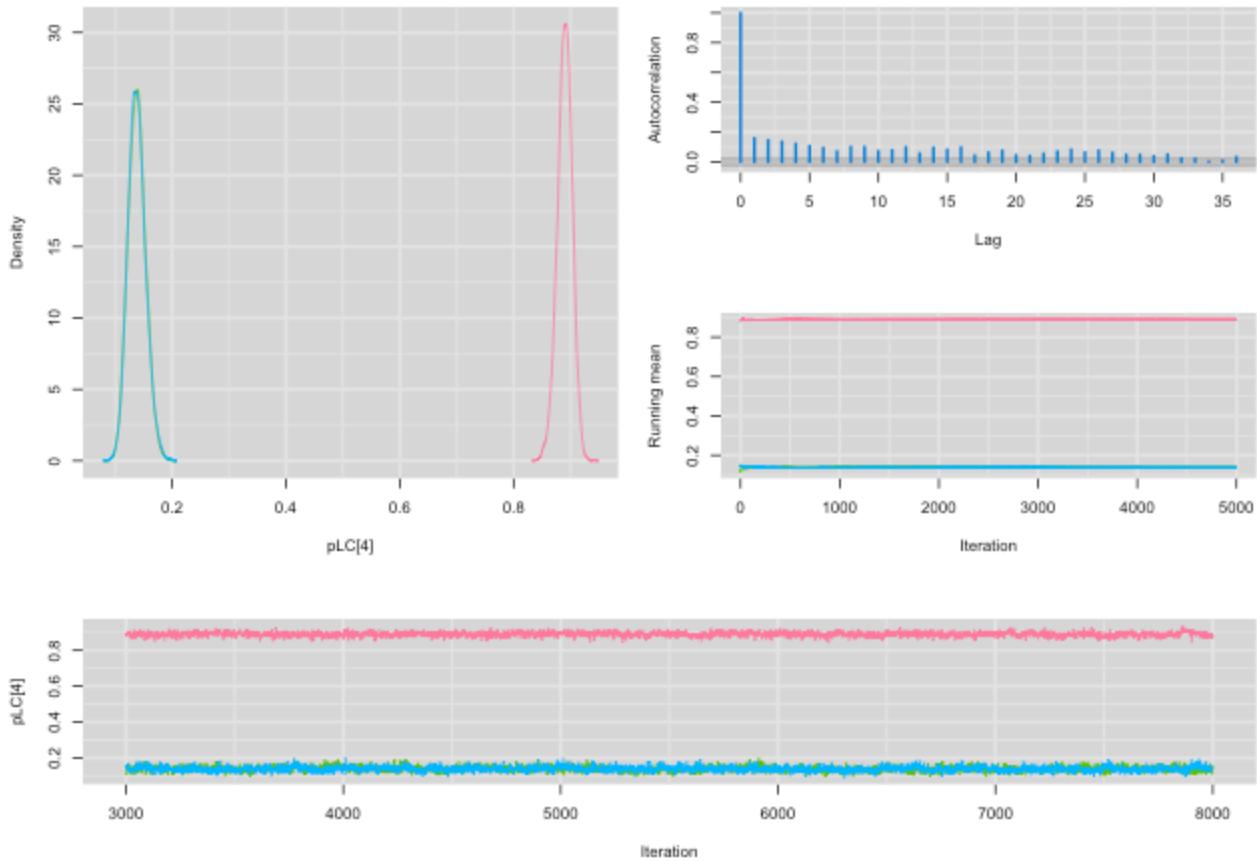
obsminusexp[32]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD

Diagnostics for obsminusexp[33]**Diagnostics for obsminusexp[34]**

Diagnostics for obsminusexp[35]**Diagnostics for obsminusexp[36]**

Plots for pLC

Diagnostics for pLC[1]**Diagnostics for pLC[2]**

Diagnostics for pLC[3]**Diagnostics for pLC[4]**

Plots for ppv

ppv[1,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[2,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[3,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[4,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[5,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[6,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[7,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[8,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[9,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[10,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[11,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[12,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[13,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[14,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[15,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[16,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[17,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[18,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[19,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[20,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[21,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[22,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[23,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[24,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[25,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[26,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[27,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD

ppv[28,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[29,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[30,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[31,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[32,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[33,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[34,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[35,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[36,1]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[1,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[2,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[3,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[4,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[5,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[6,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[7,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[8,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[9,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[10,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[11,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[12,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[13,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[14,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[15,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[16,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[17,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[18,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[19,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[20,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD

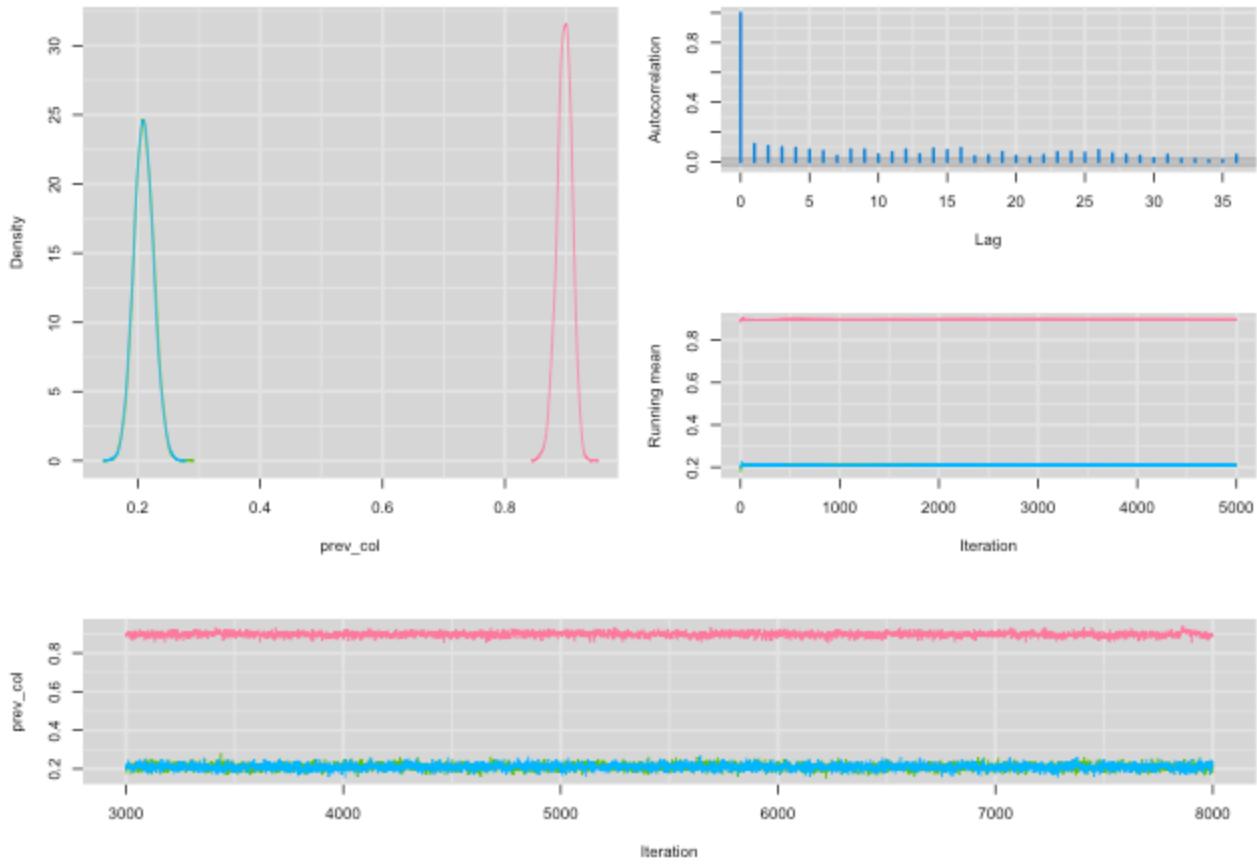
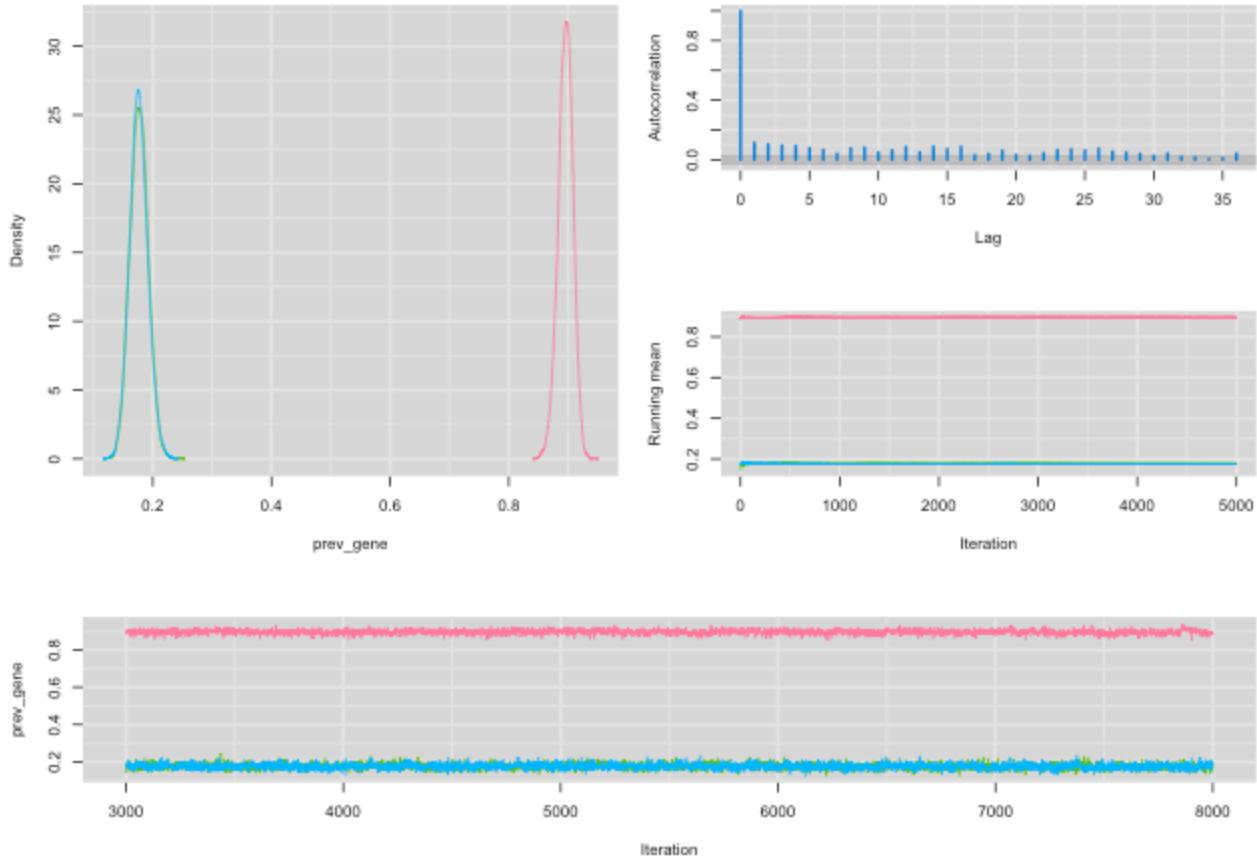
ppv[21,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[22,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[23,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[24,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[25,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[26,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[27,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[28,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[29,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[30,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[31,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[32,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[33,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[34,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[35,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[36,2]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[1,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[2,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[3,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[4,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[5,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[6,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[7,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[8,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[9,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[10,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[11,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[12,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[13,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD

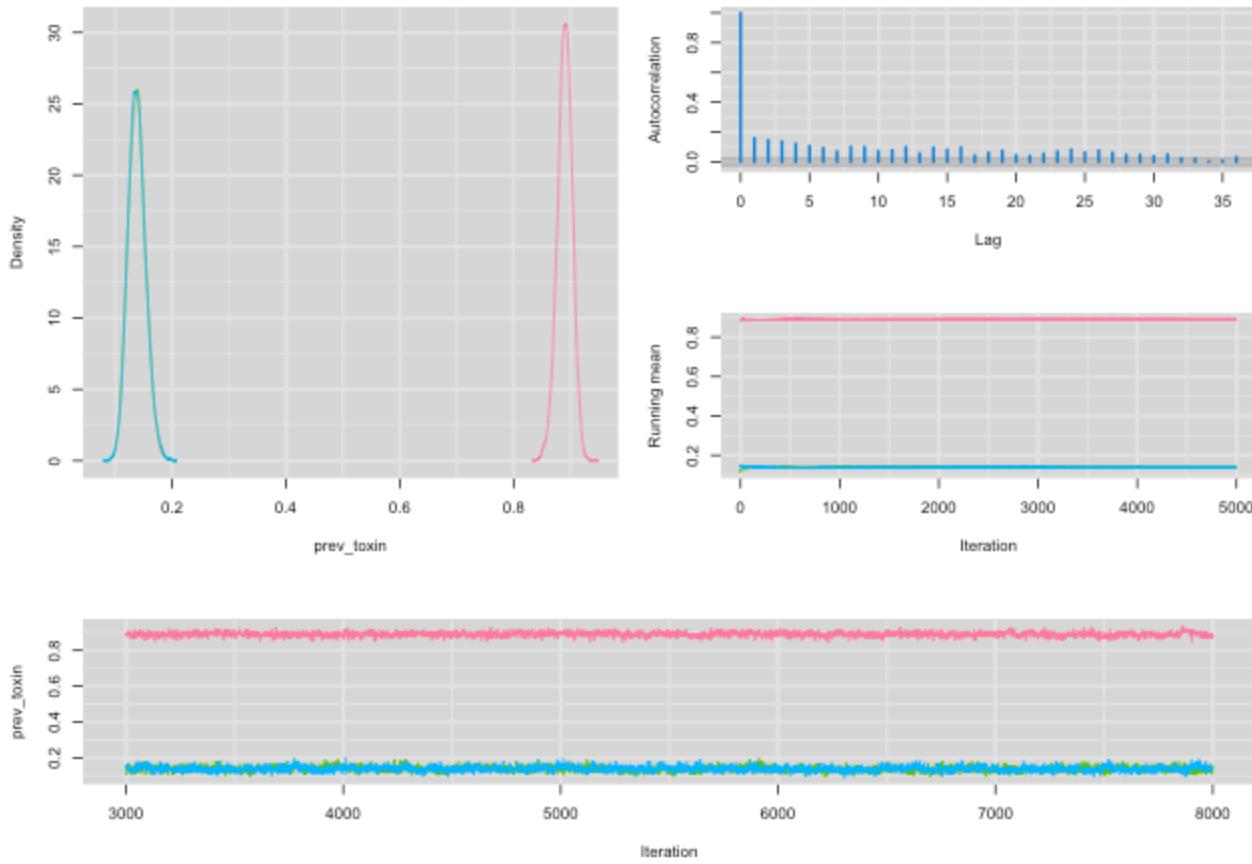
ppv[14,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[15,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[16,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[17,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[18,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[19,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[20,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[21,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[22,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[23,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[24,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[25,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[26,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[27,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[28,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[29,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[30,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[31,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[32,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[33,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[34,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[35,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[36,3]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[1,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[2,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[3,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[4,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[5,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[6,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD

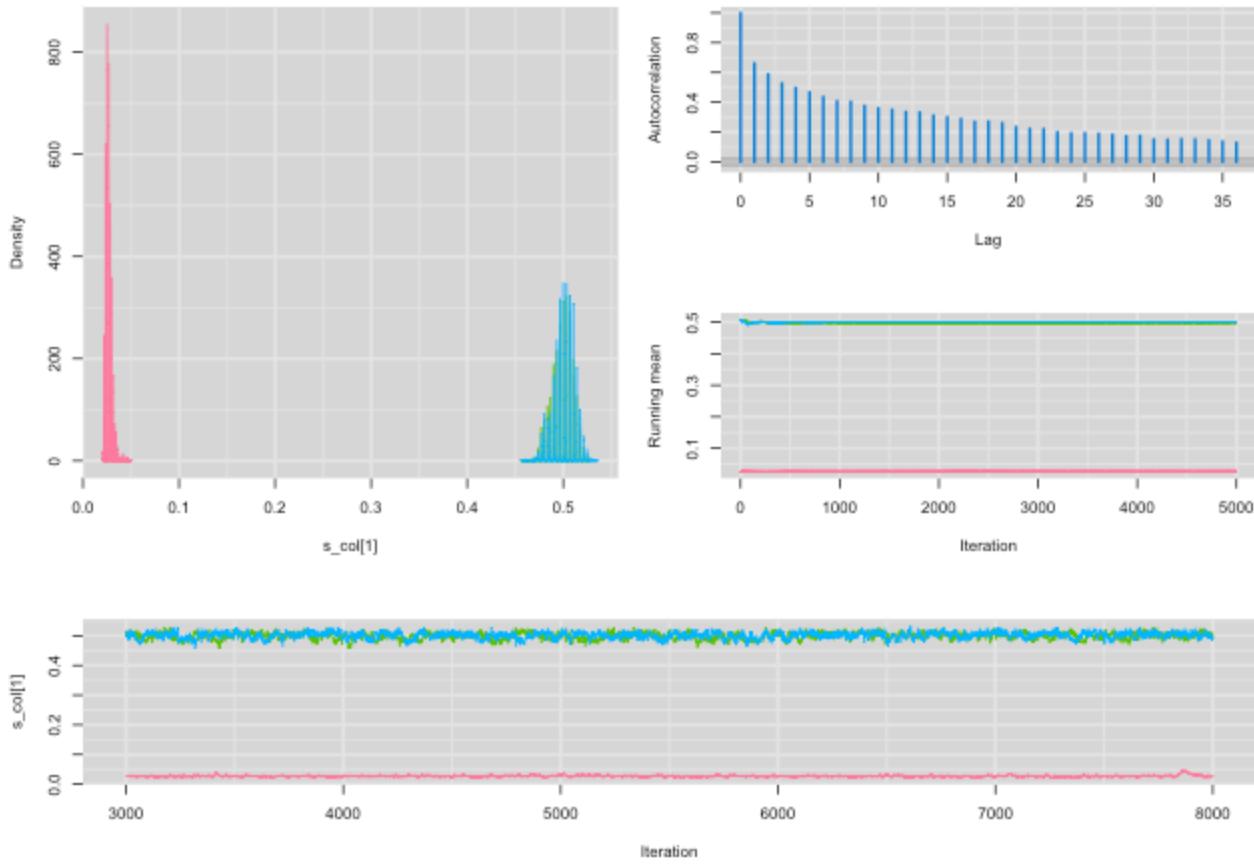
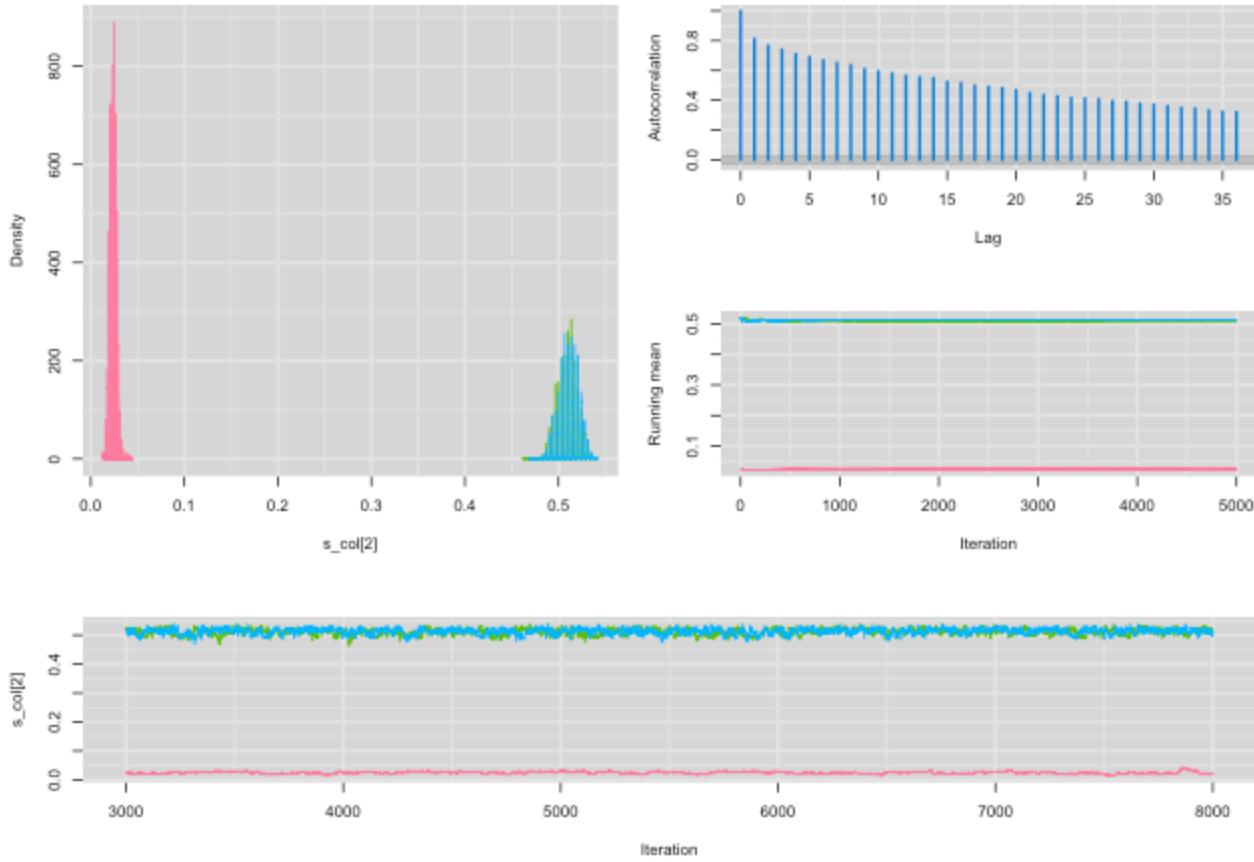
ppv[7,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[8,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[9,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[10,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[11,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[12,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[13,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[14,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[15,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[16,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[17,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[18,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[19,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[20,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[21,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[22,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[23,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[24,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[25,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[26,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[27,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[28,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[29,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[30,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[31,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[32,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[33,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[34,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD
ppv[35,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD

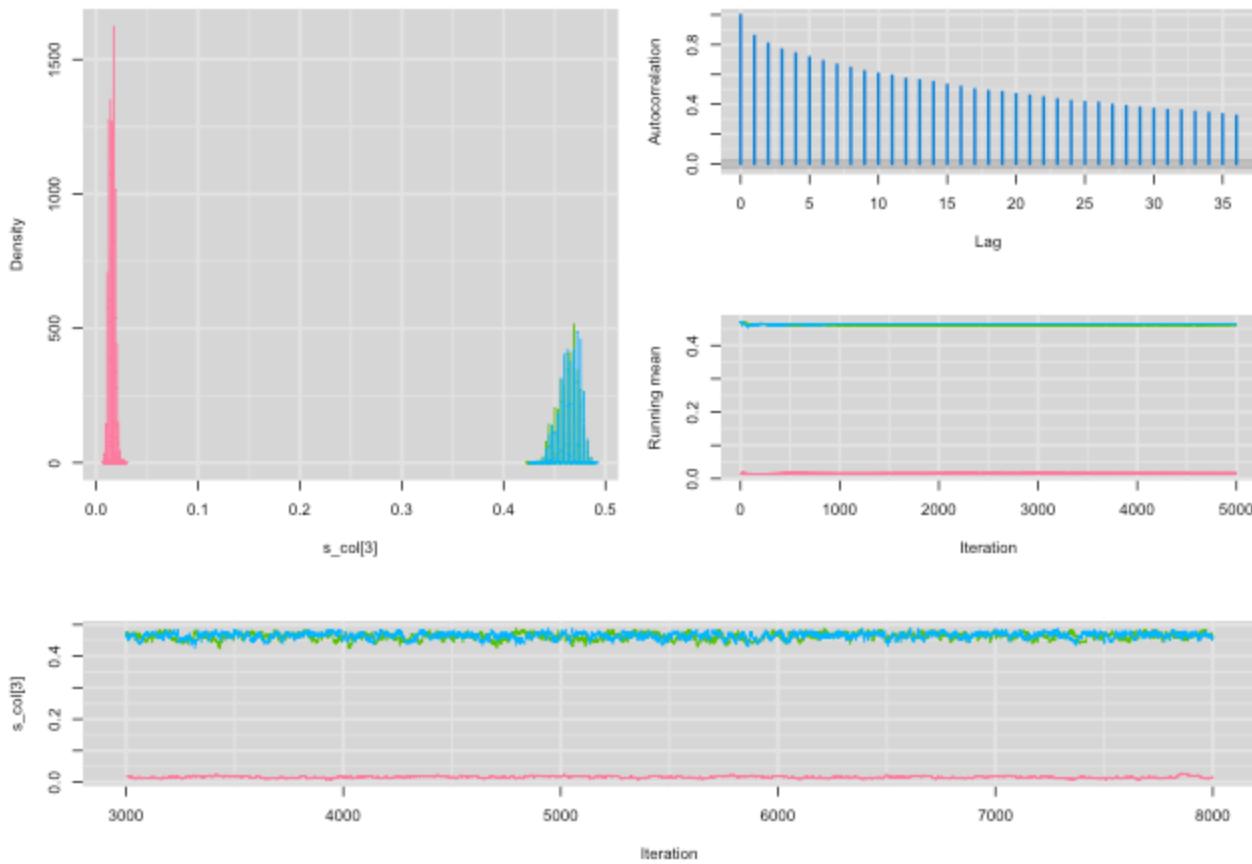
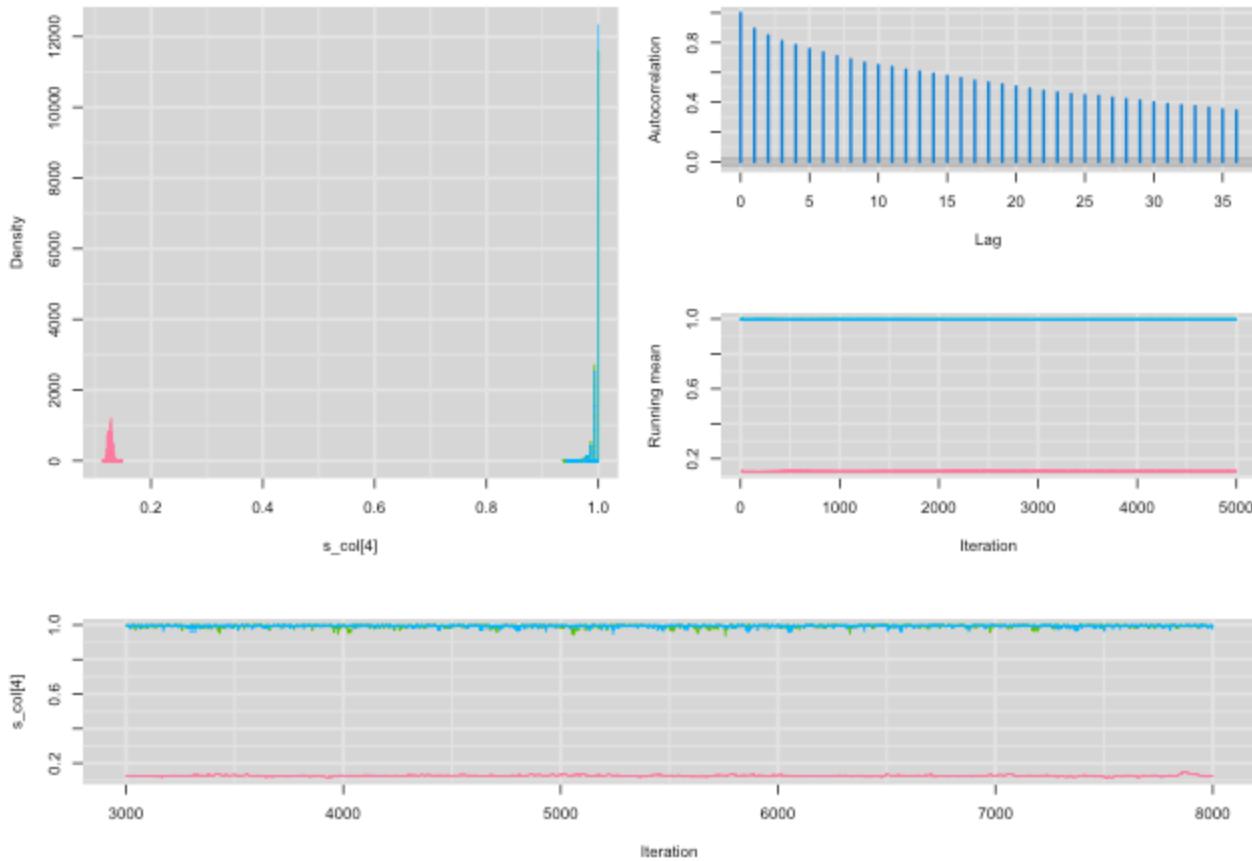
ppv[36,4]. Error in bw.SJ(x, method = "ste"): sample is too sparse to find TD

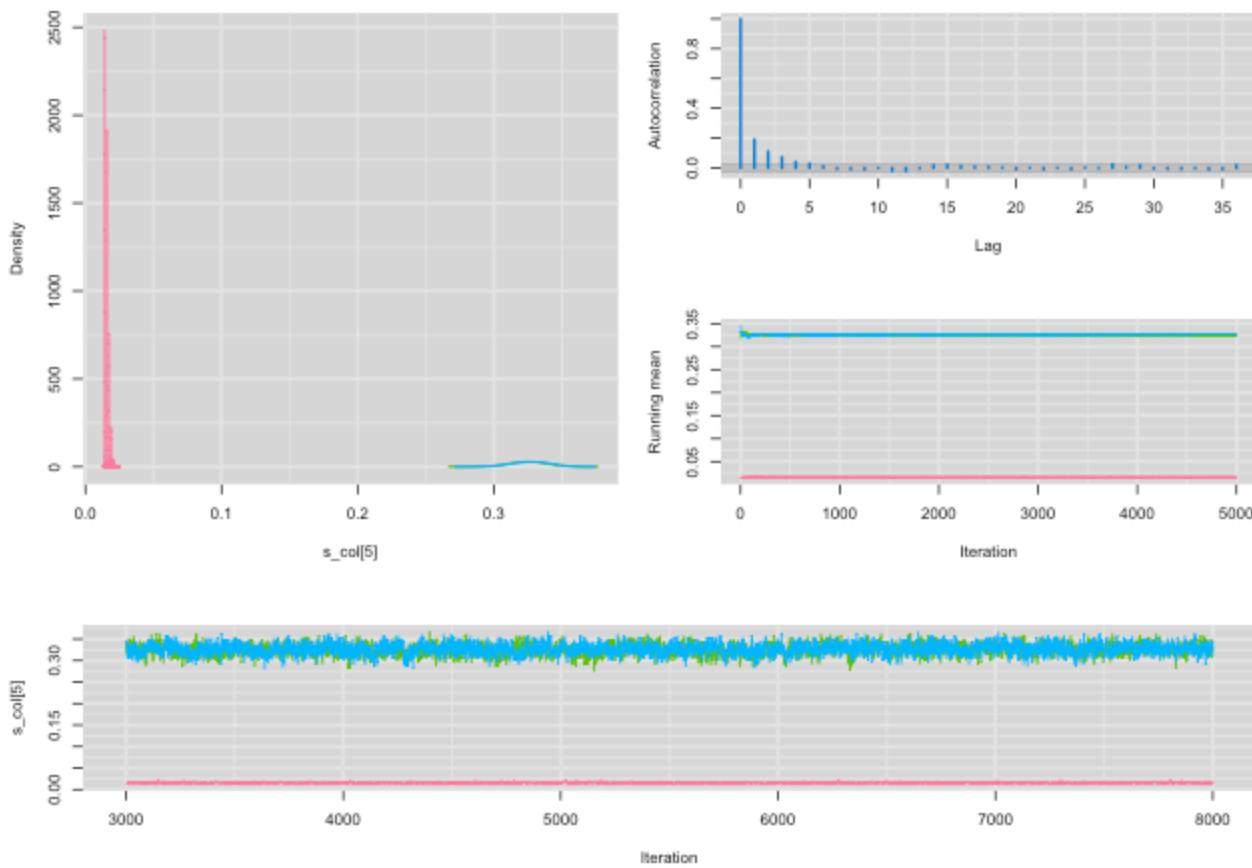
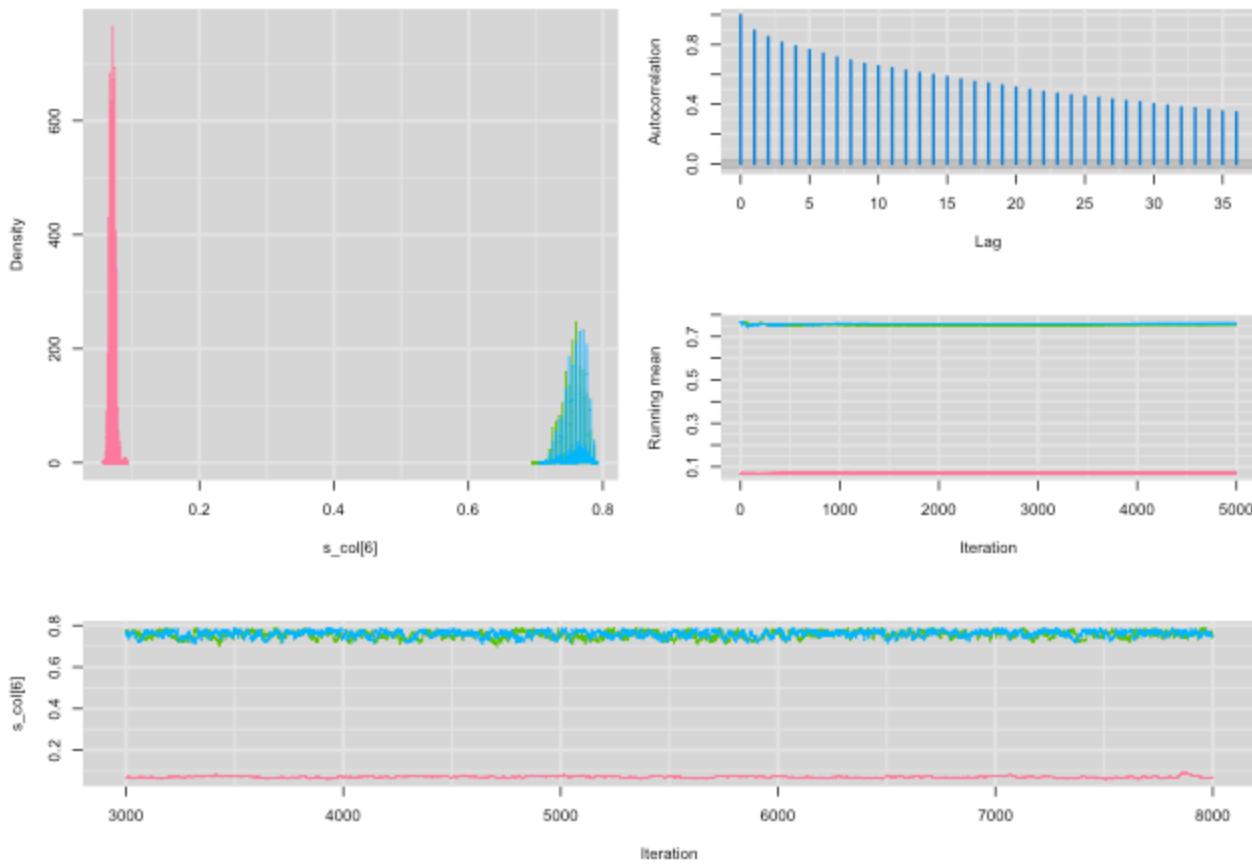
Plots for prev

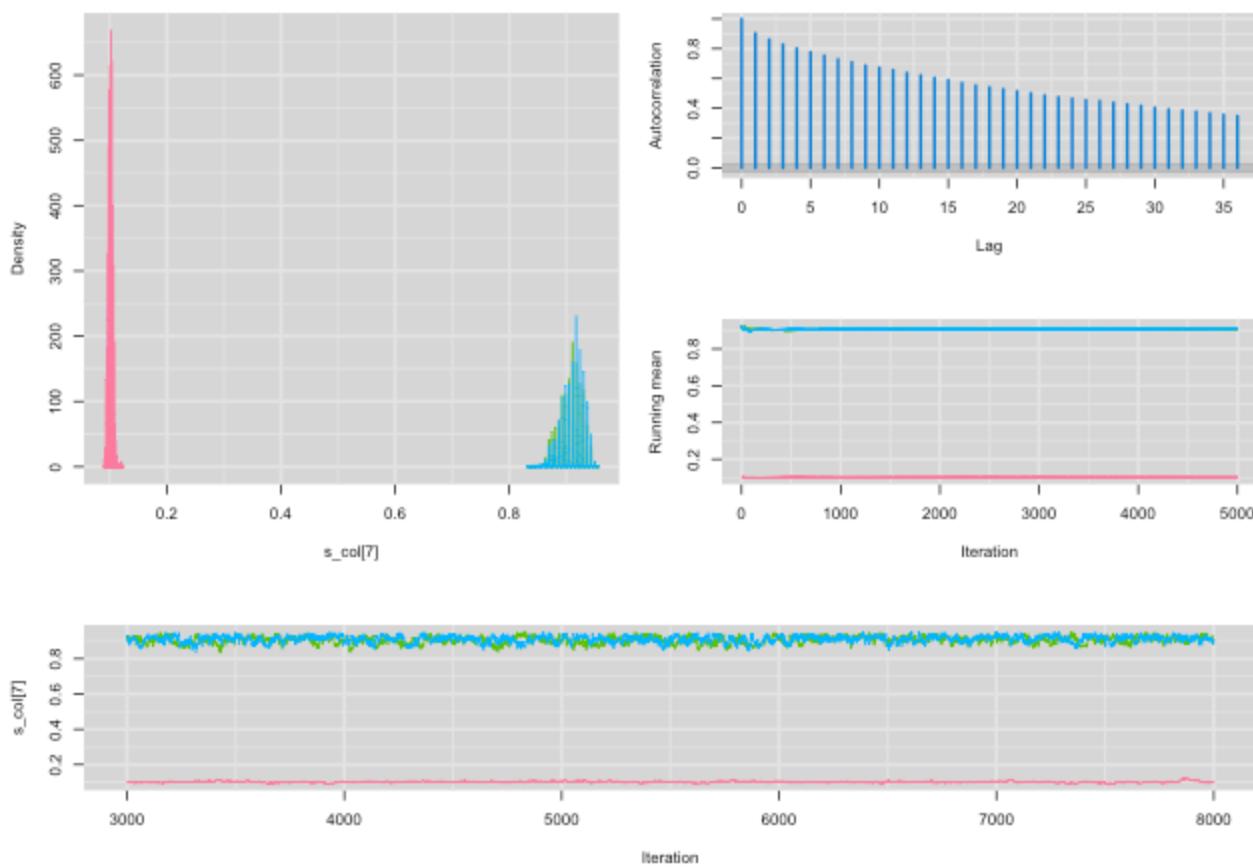
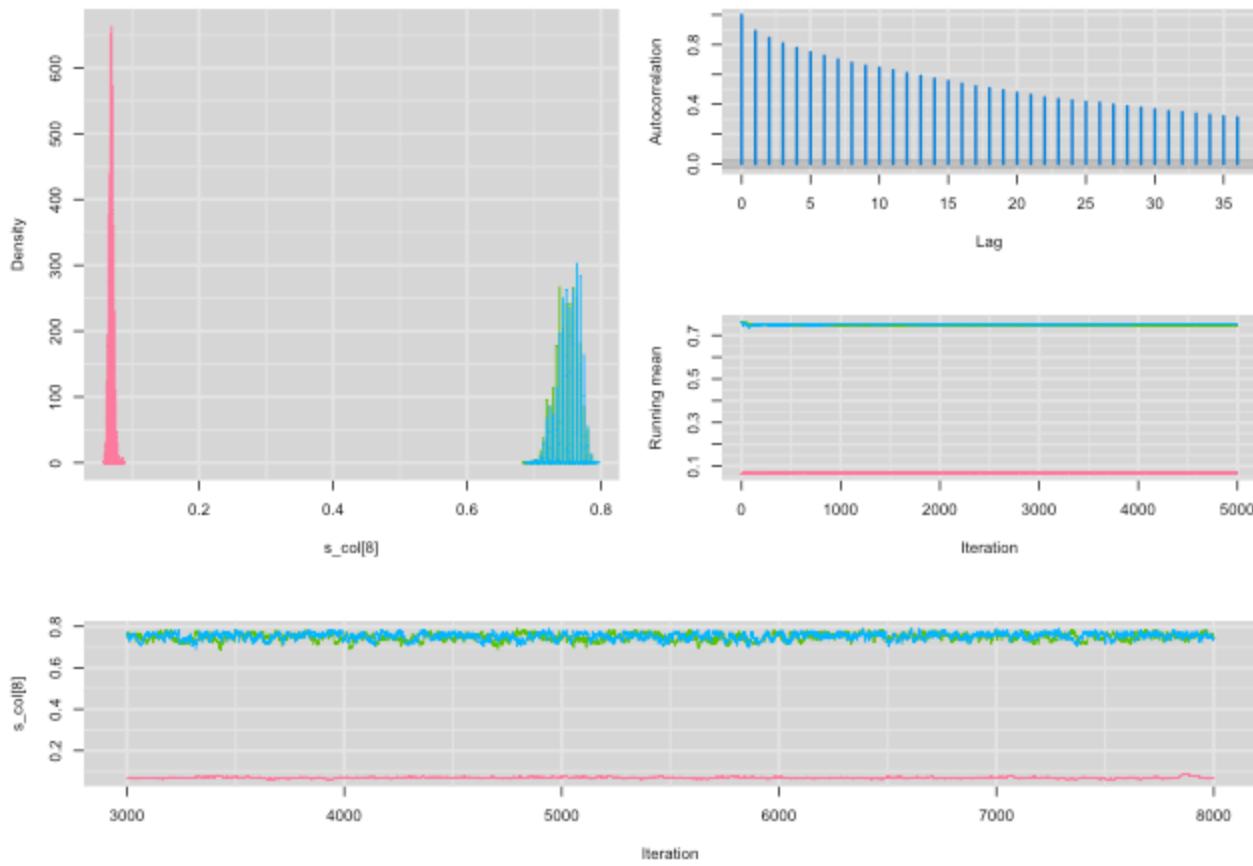
Diagnostics for prev_col**Diagnostics for prev_gene**

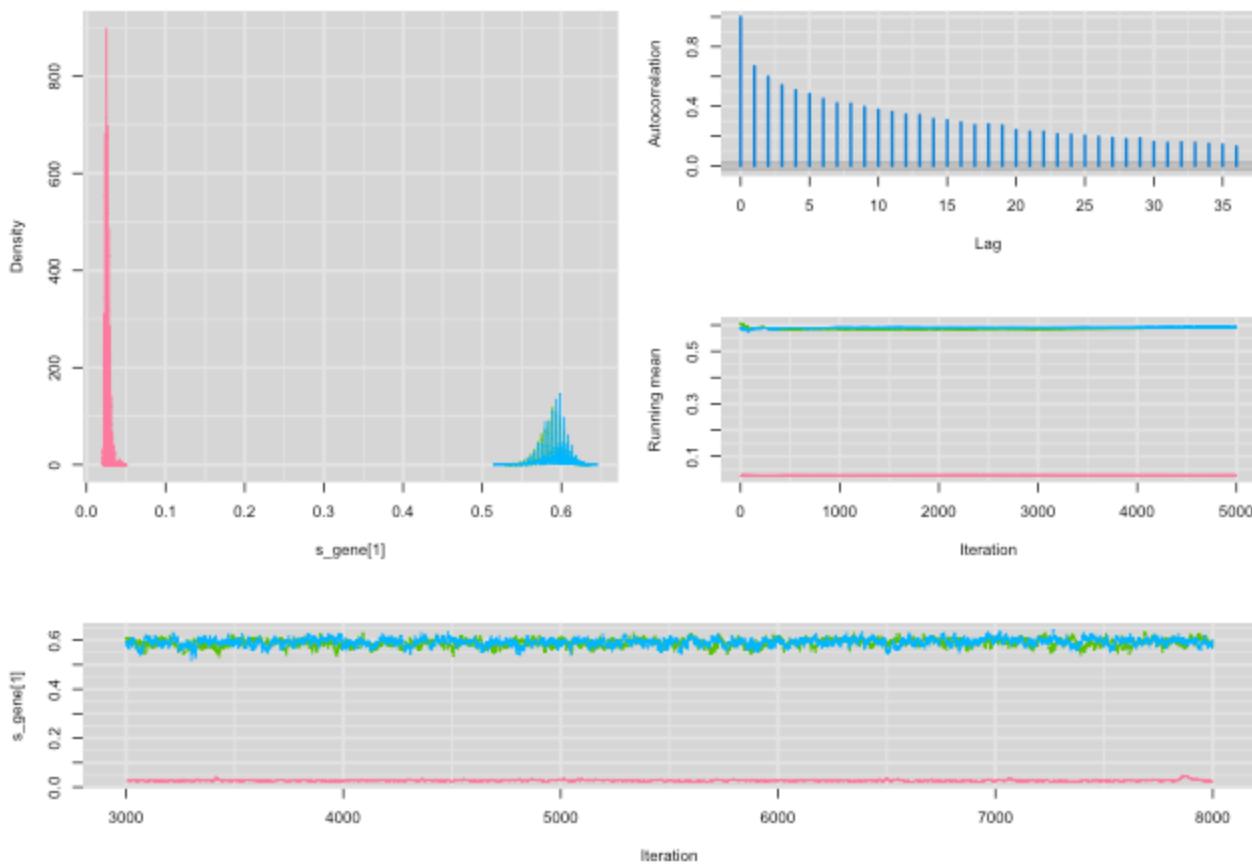
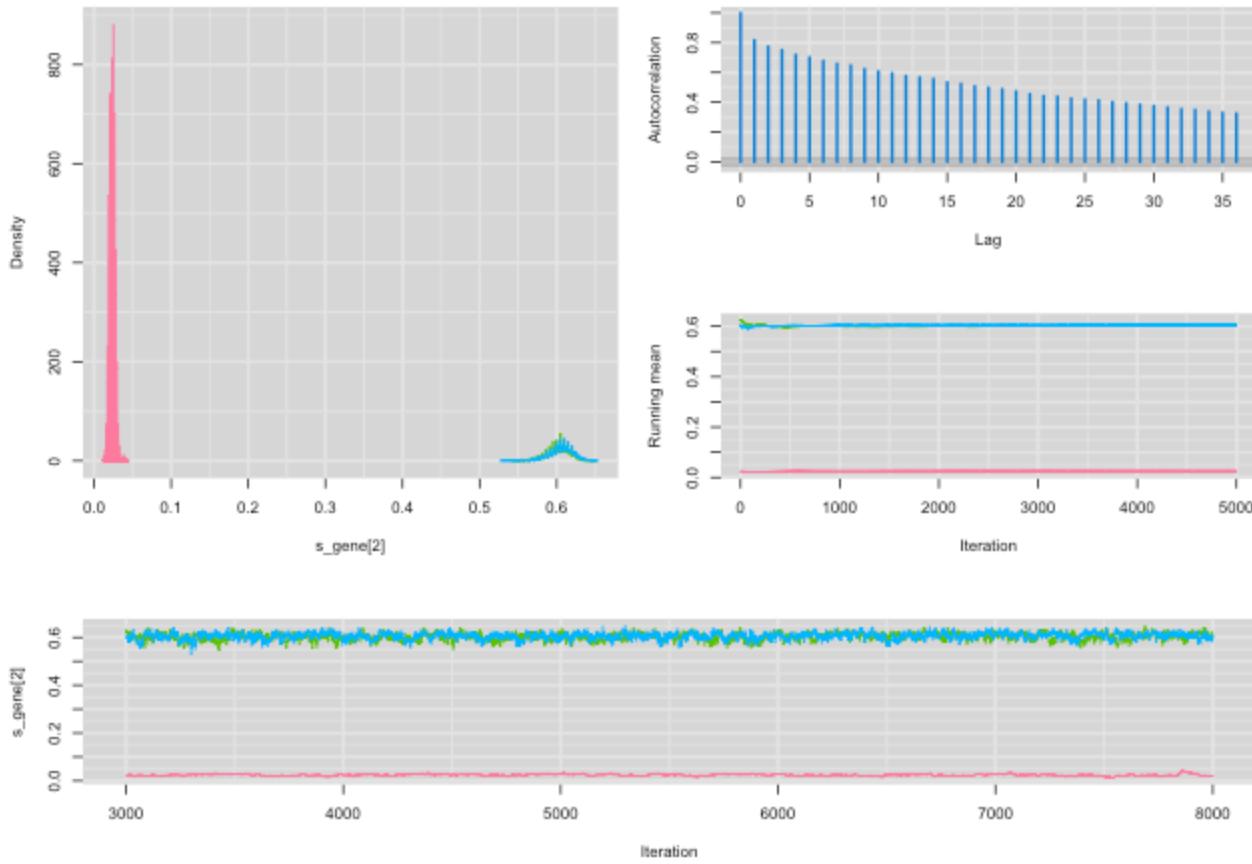
Diagnostics for prev_toxin**Plots for s**

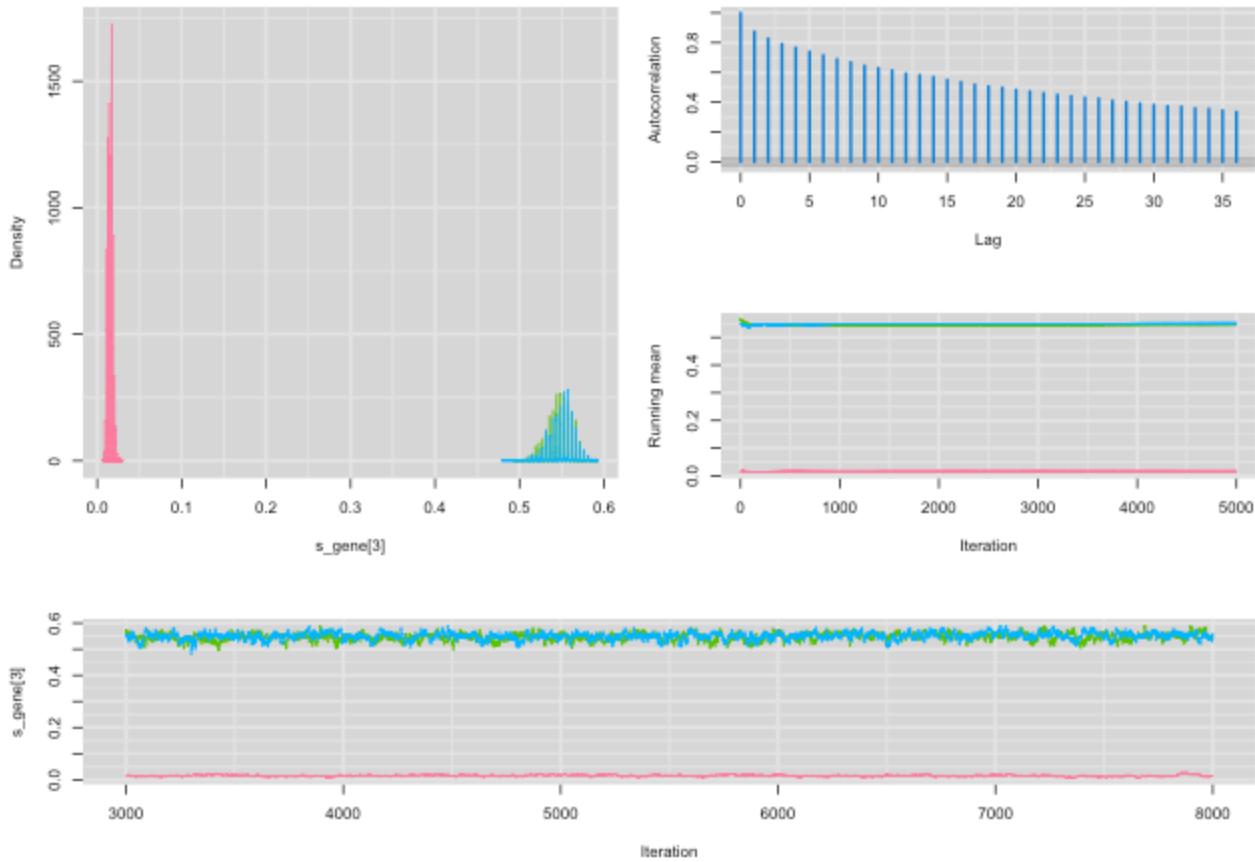
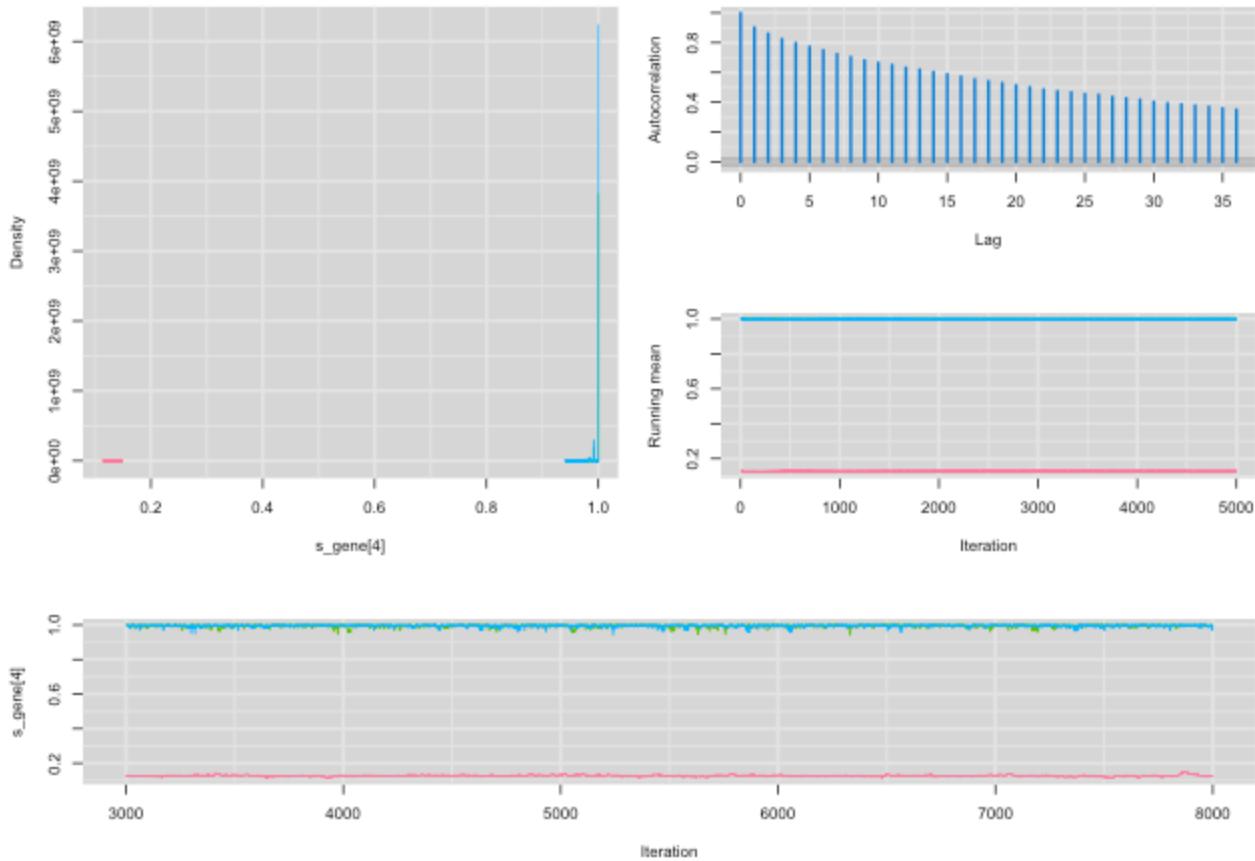
Diagnostics for s_col[1]**Diagnostics for s_col[2]**

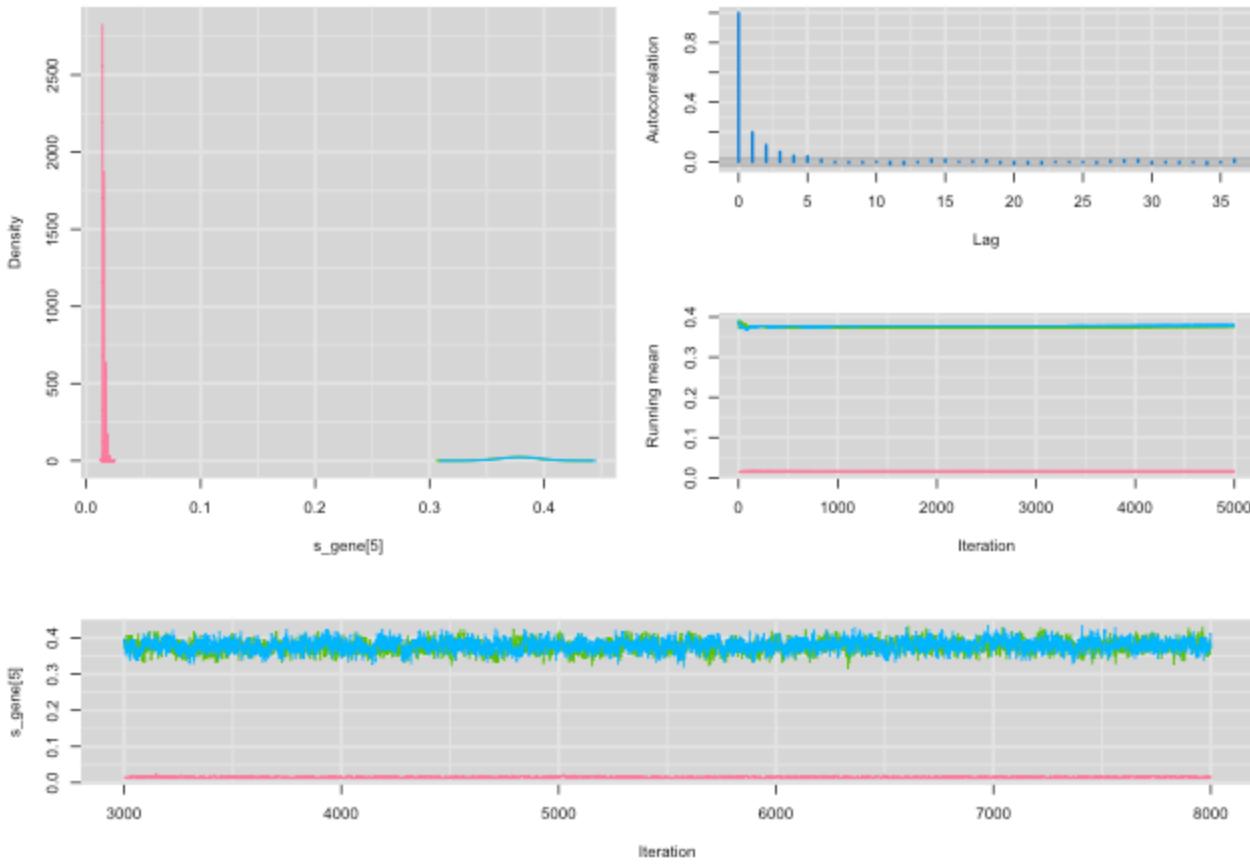
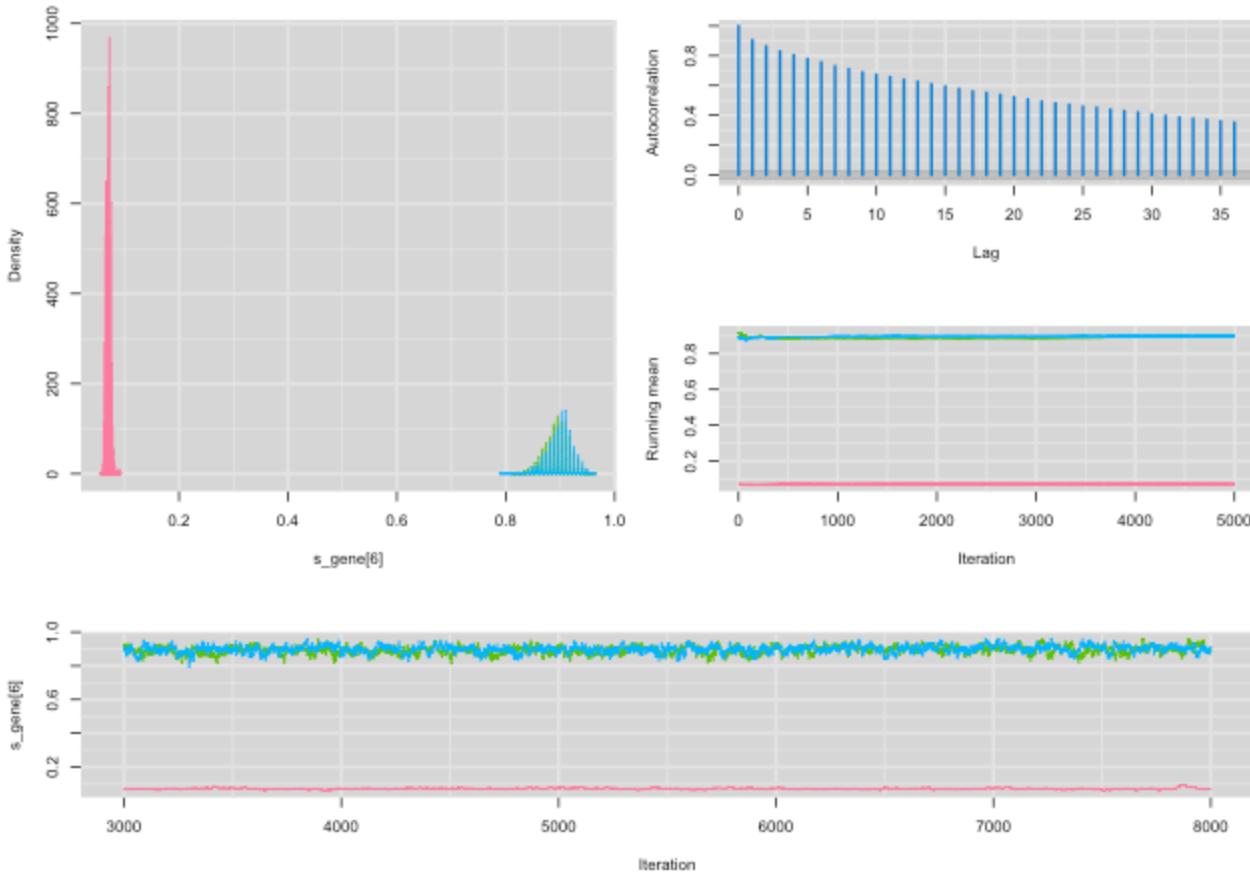
Diagnostics for s_col[3]**Diagnostics for s_col[4]**

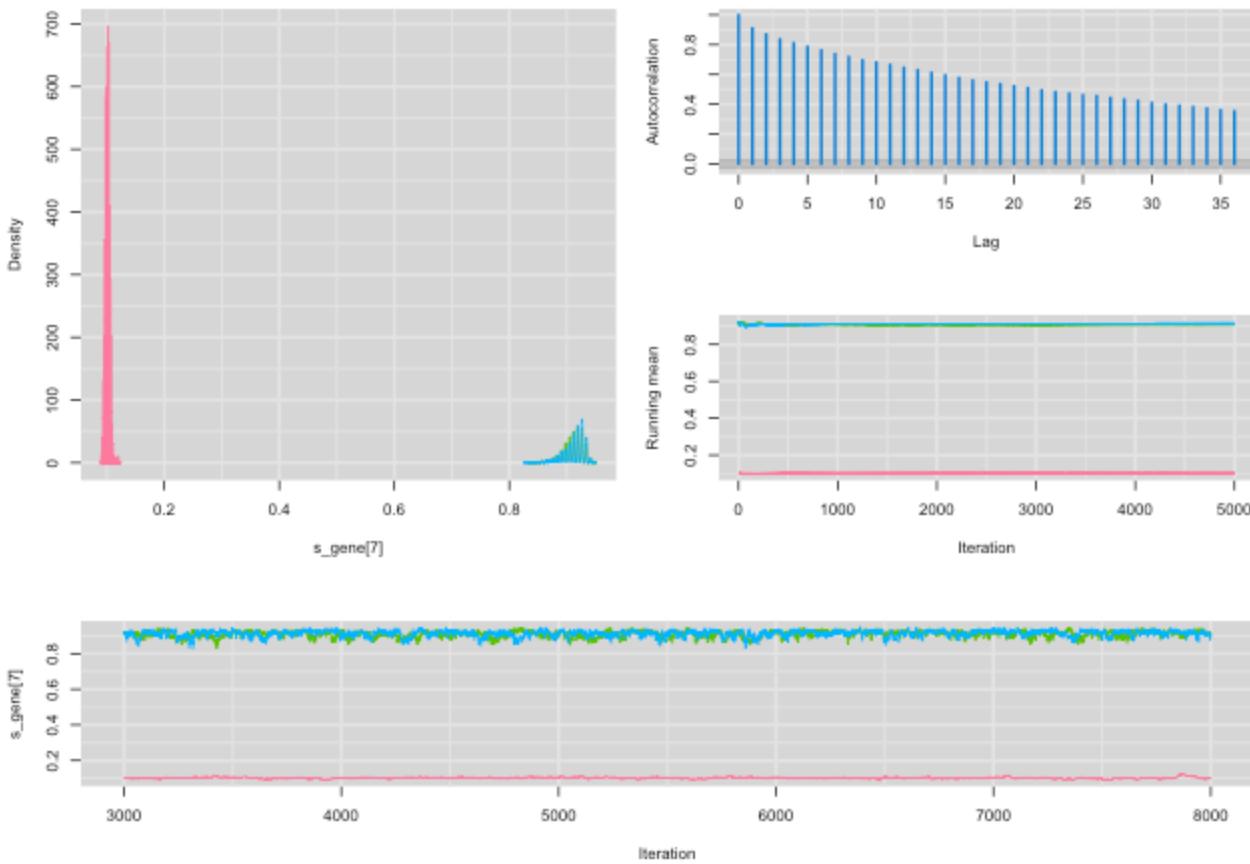
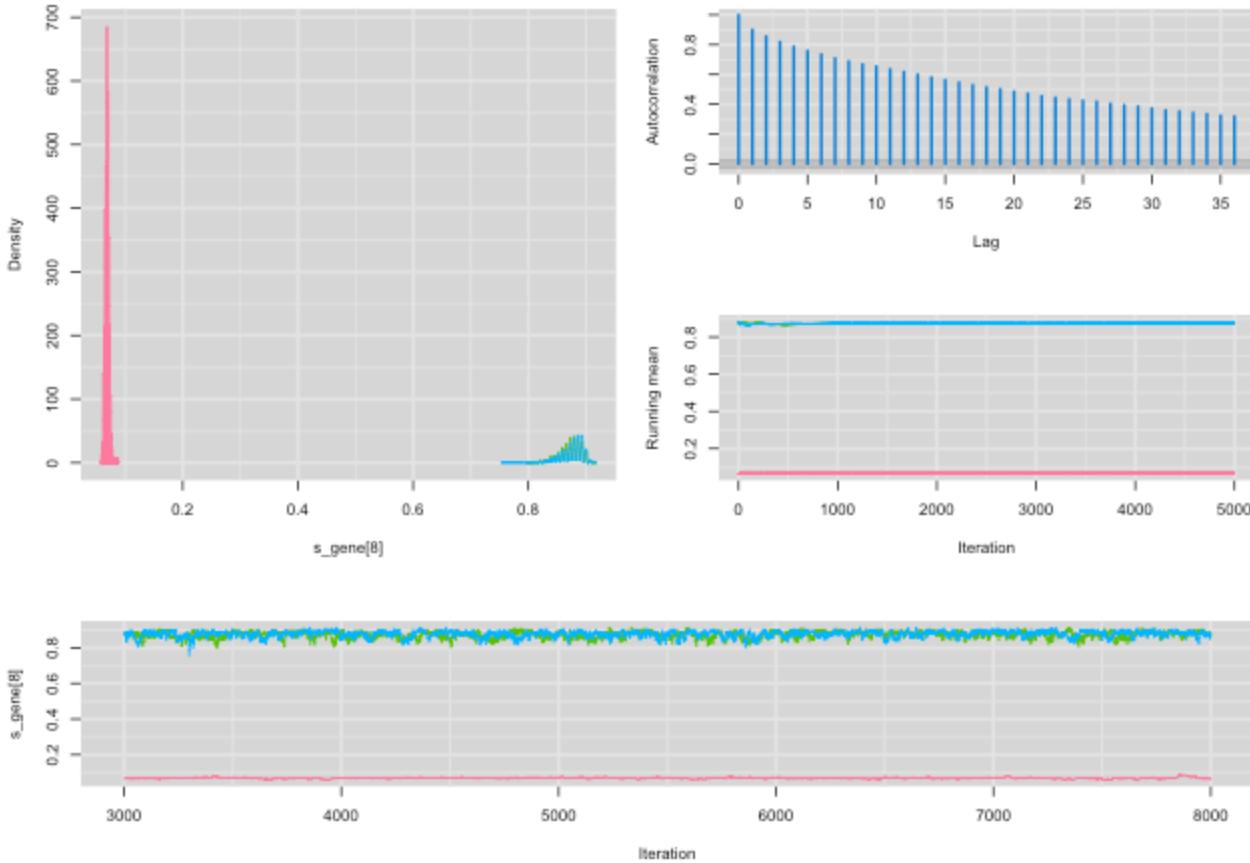
Diagnostics for s_col[5]**Diagnostics for s_col[6]**

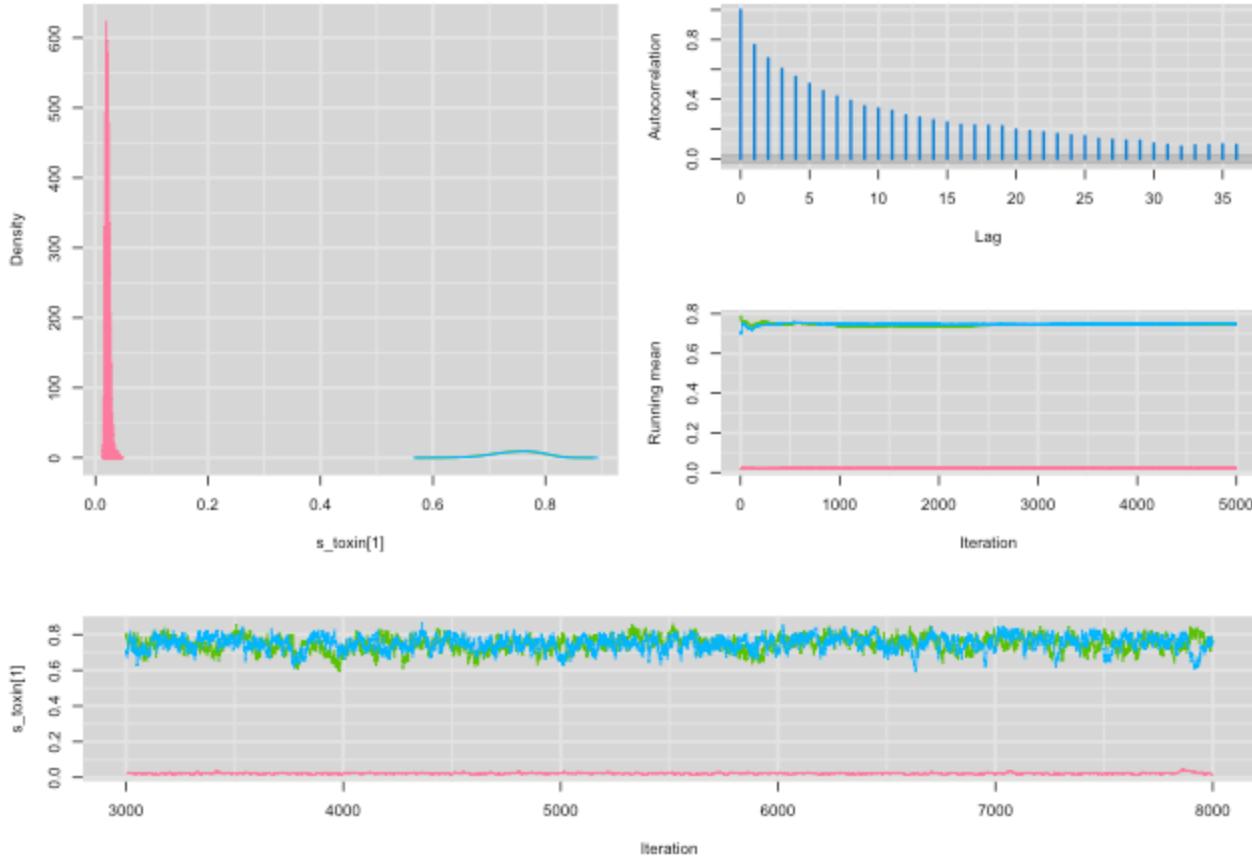
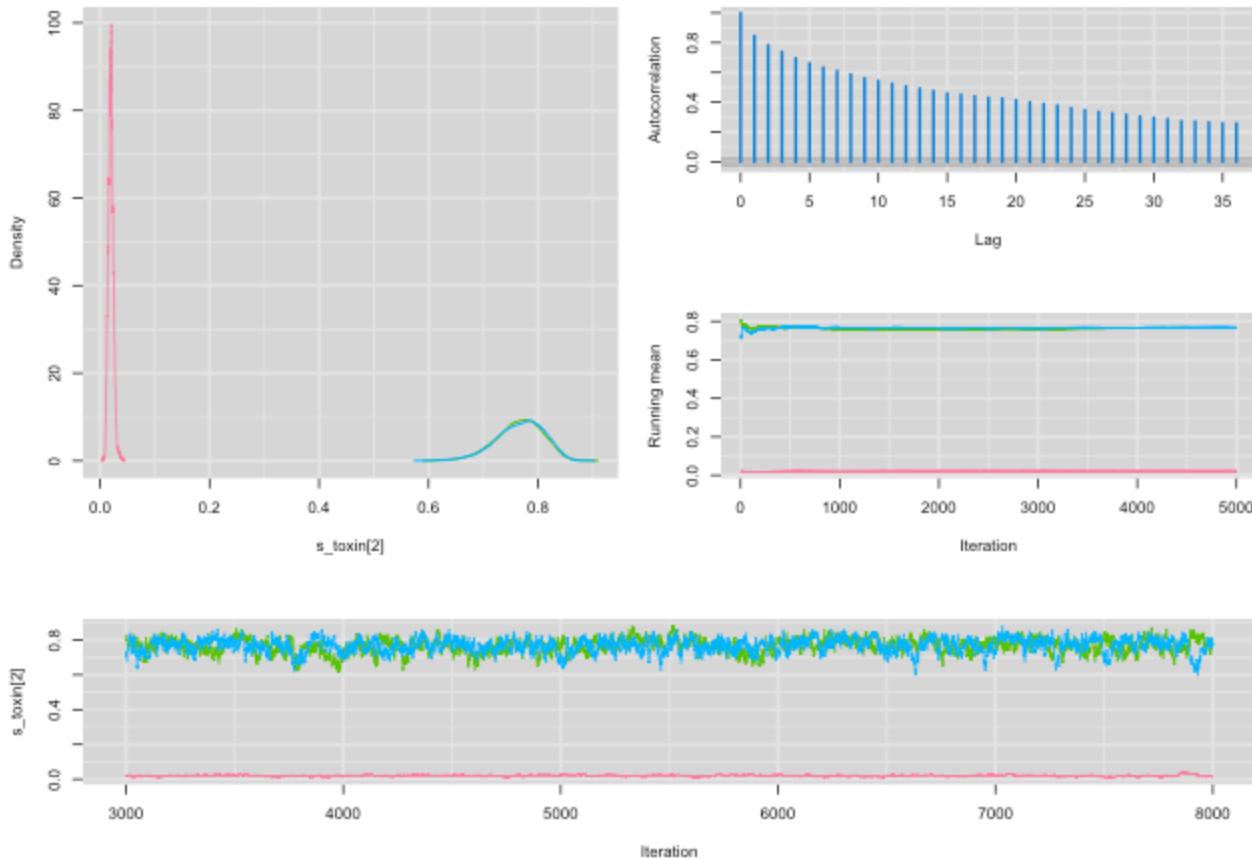
Diagnostics for s_col[7]**Diagnostics for s_col[8]**

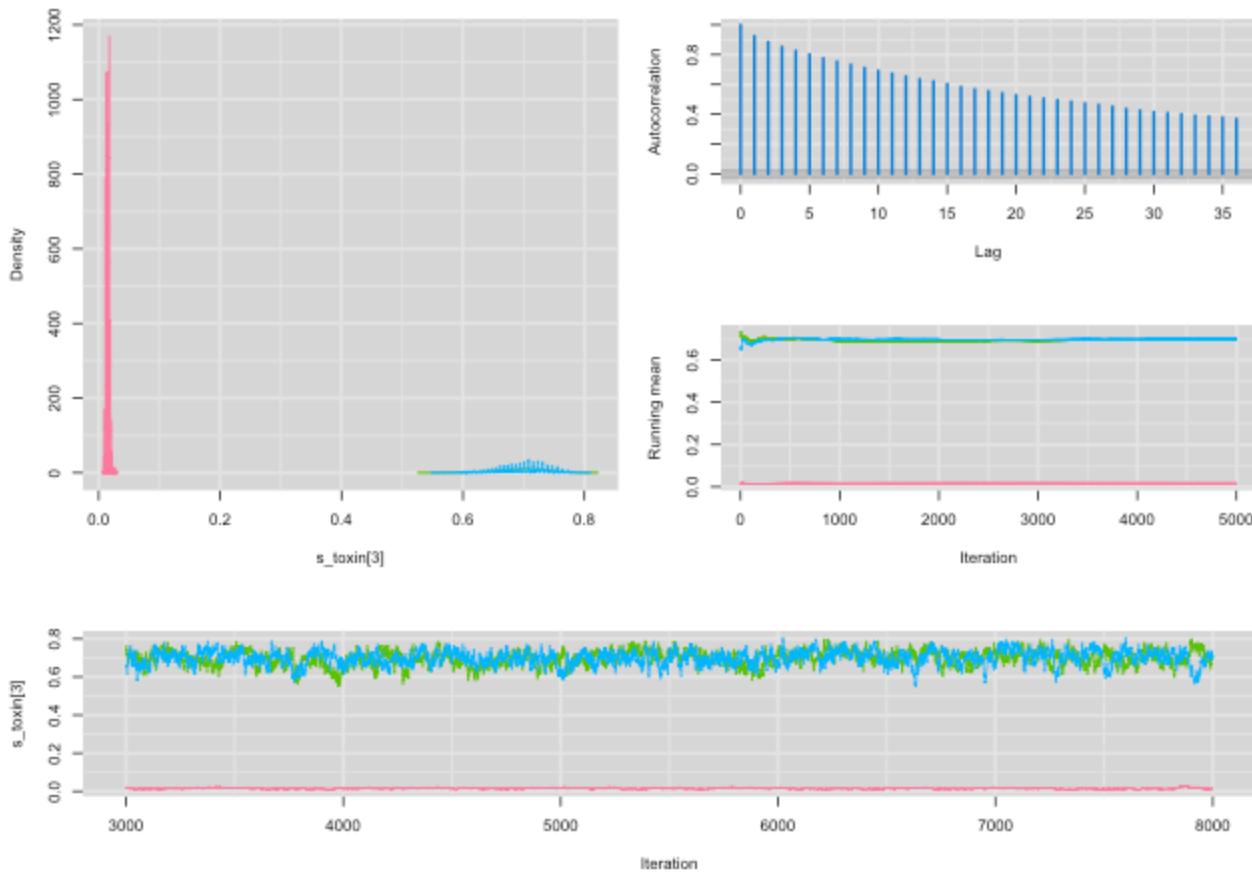
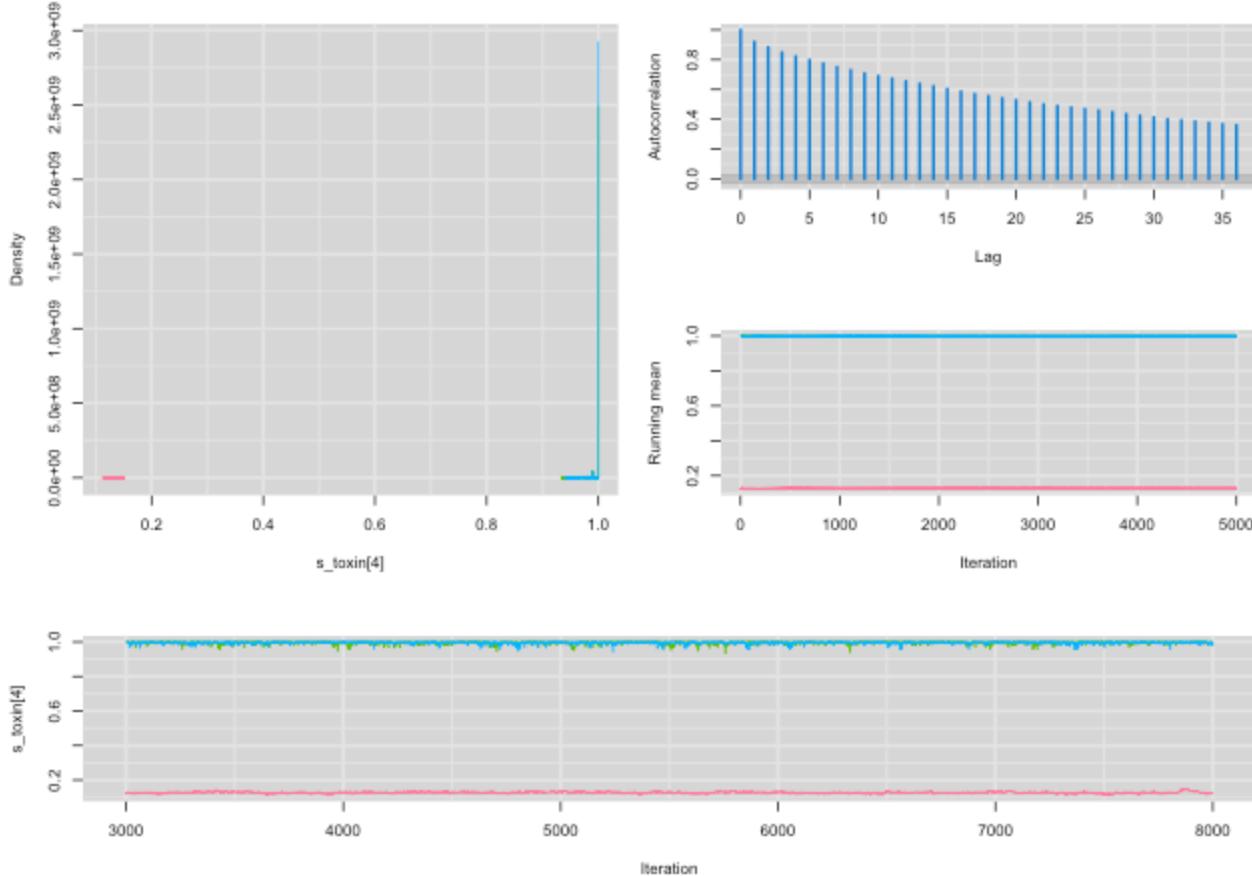
Diagnostics for s_gene[1]**Diagnostics for s_gene[2]**

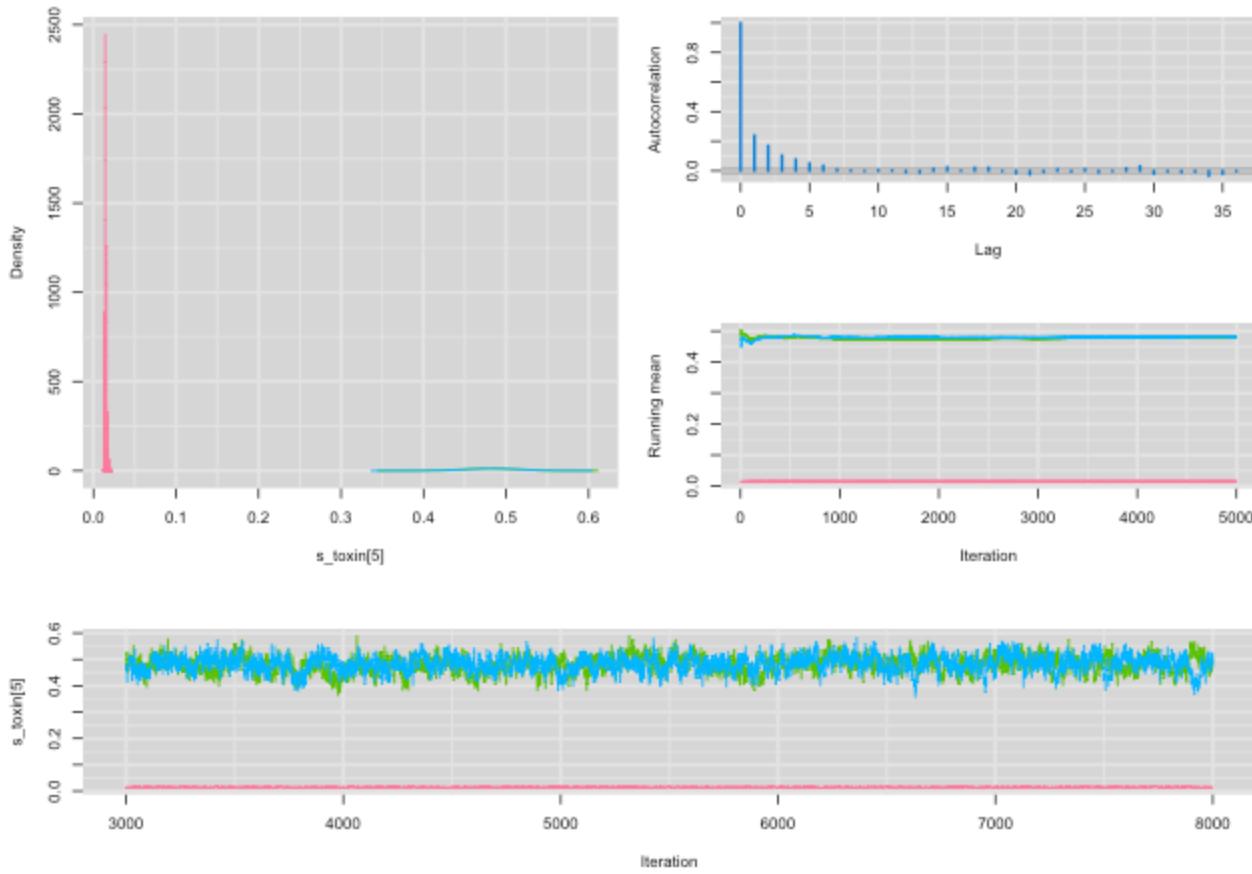
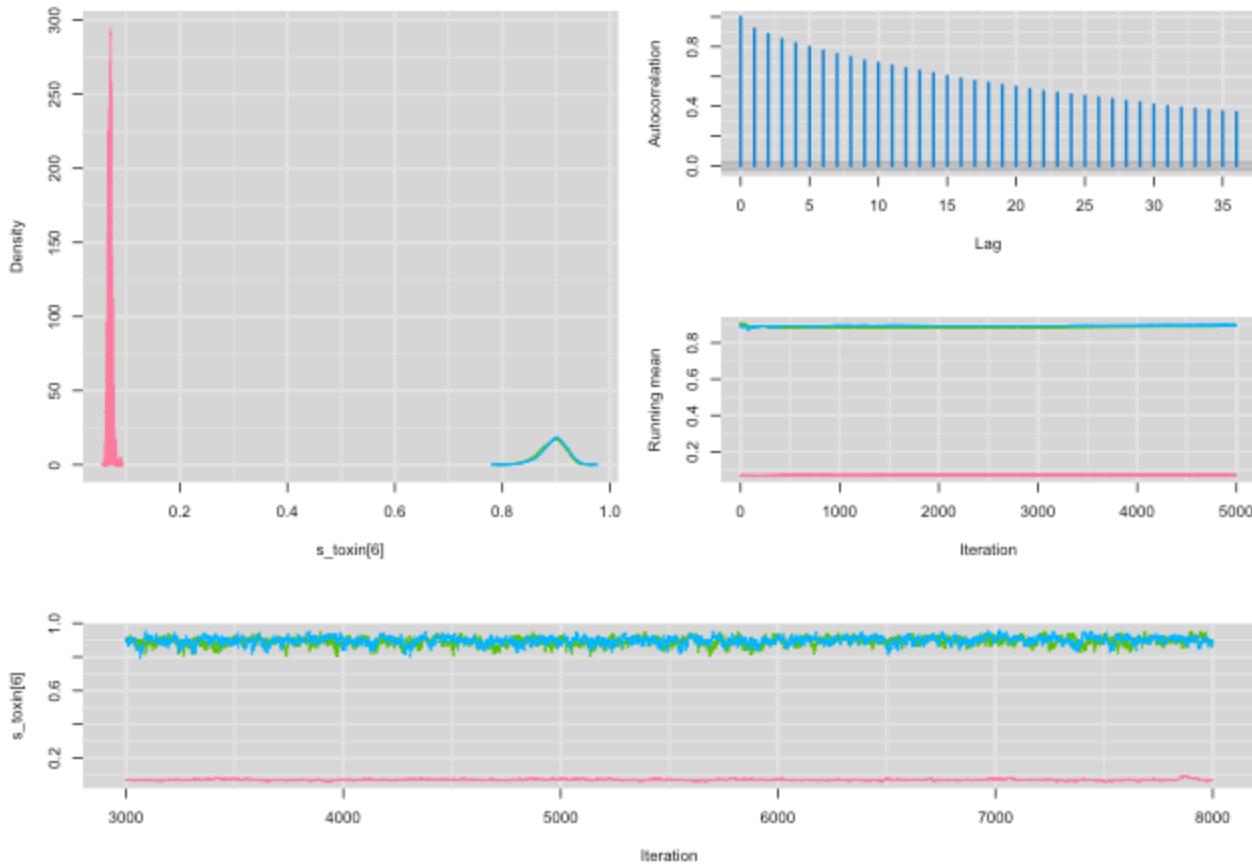
Diagnostics for s_gene[3]**Diagnostics for s_gene[4]**

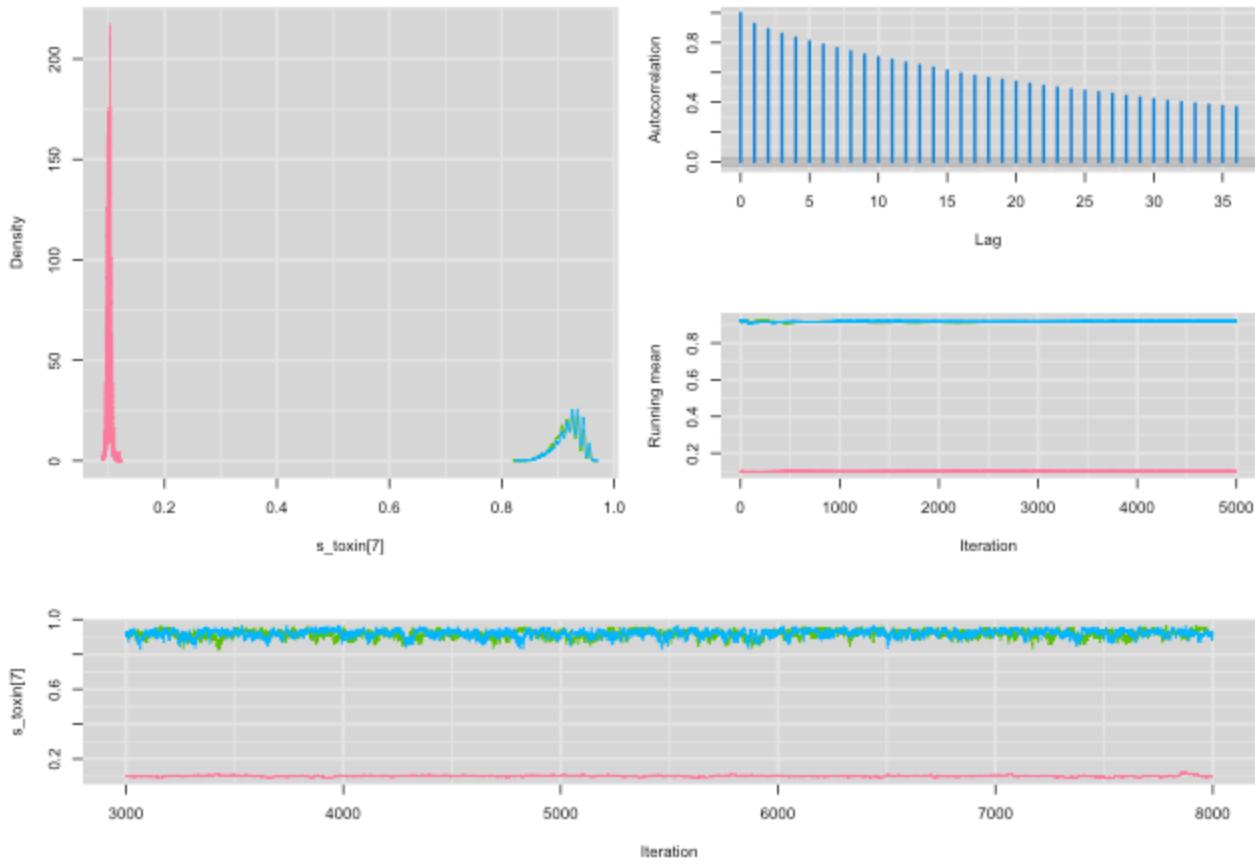
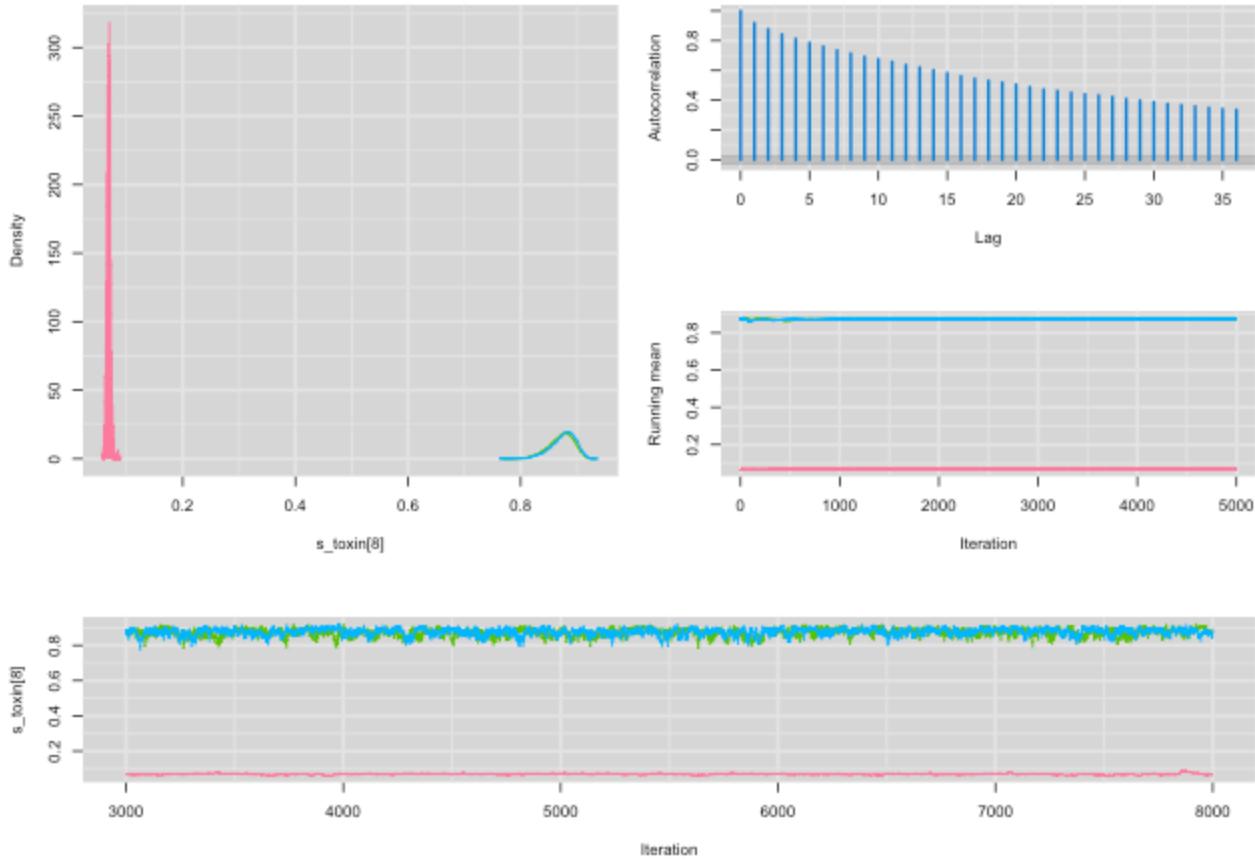
Diagnostics for s_gene[5]**Diagnostics for s_gene[6]**

Diagnostics for s_gene[7]**Diagnostics for s_gene[8]**

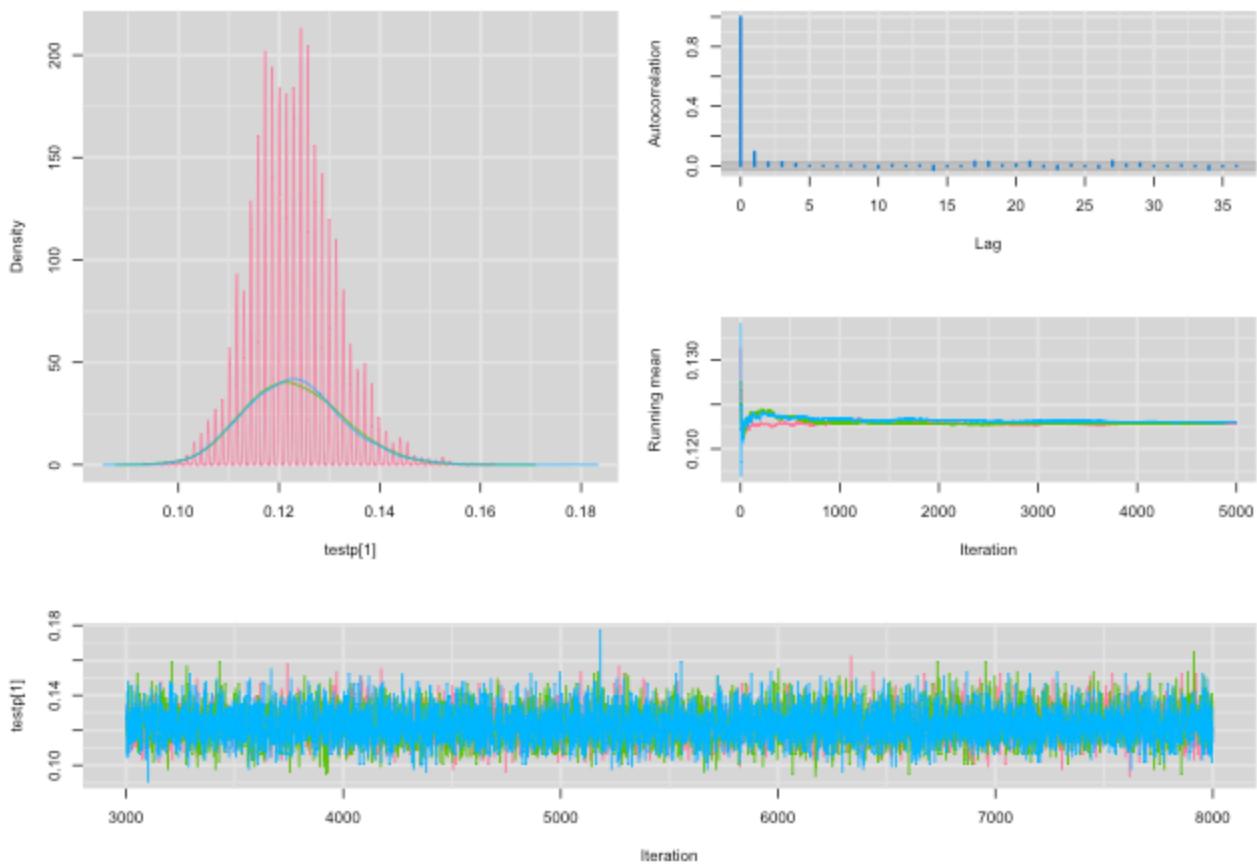
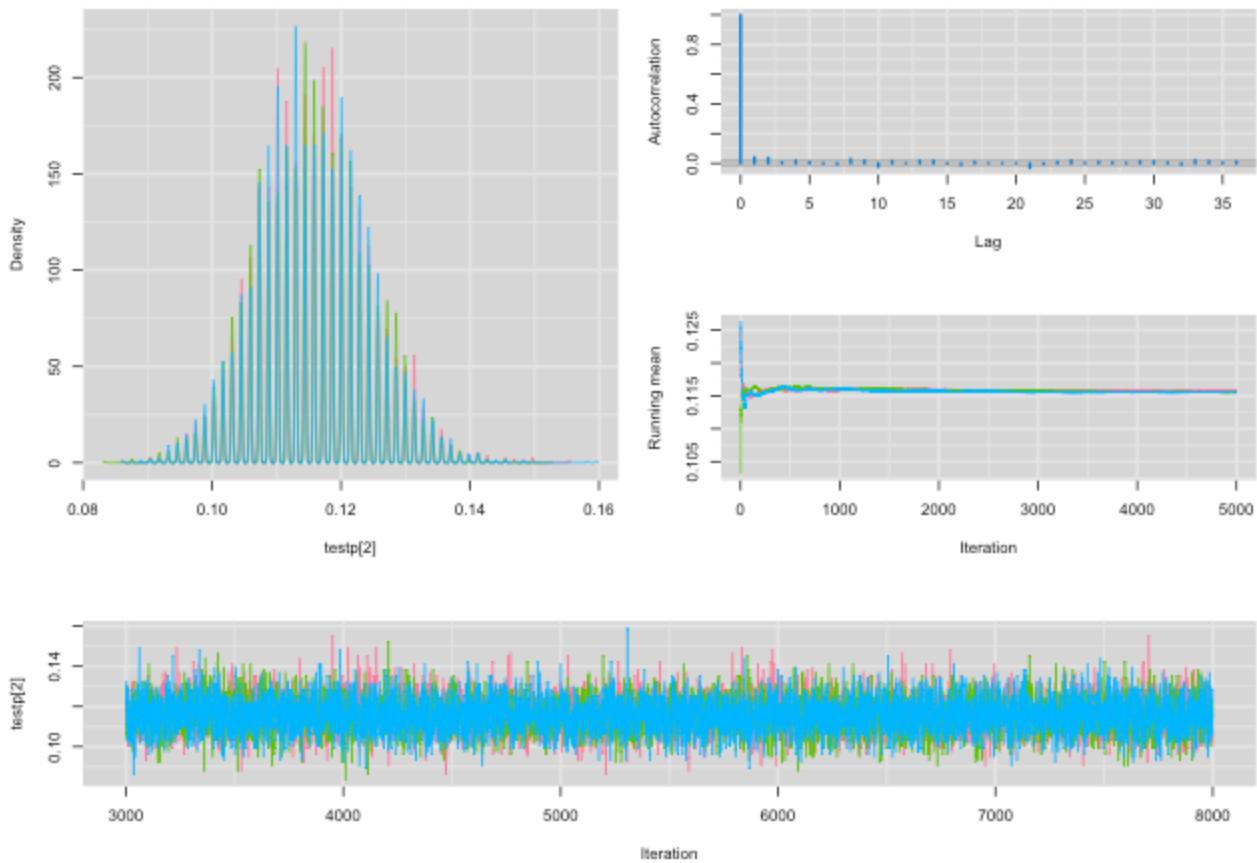
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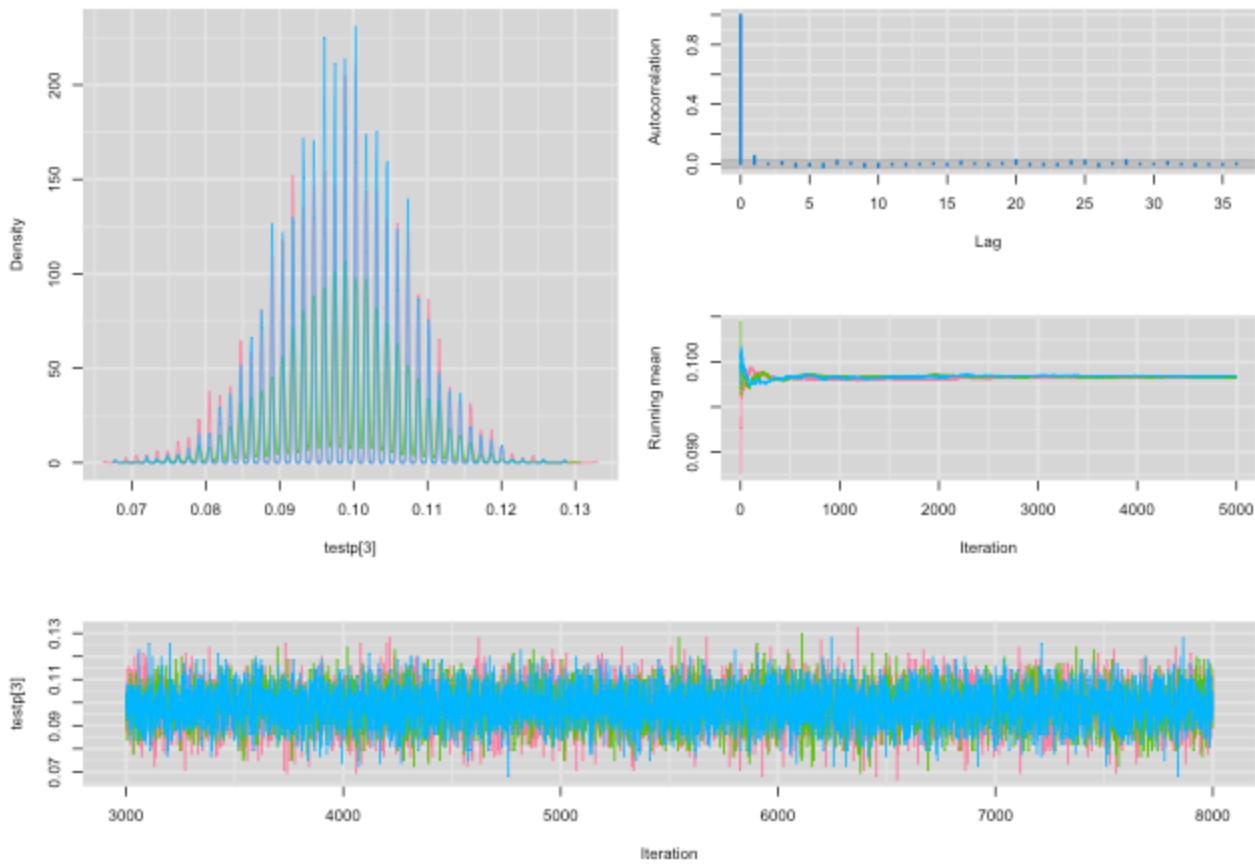
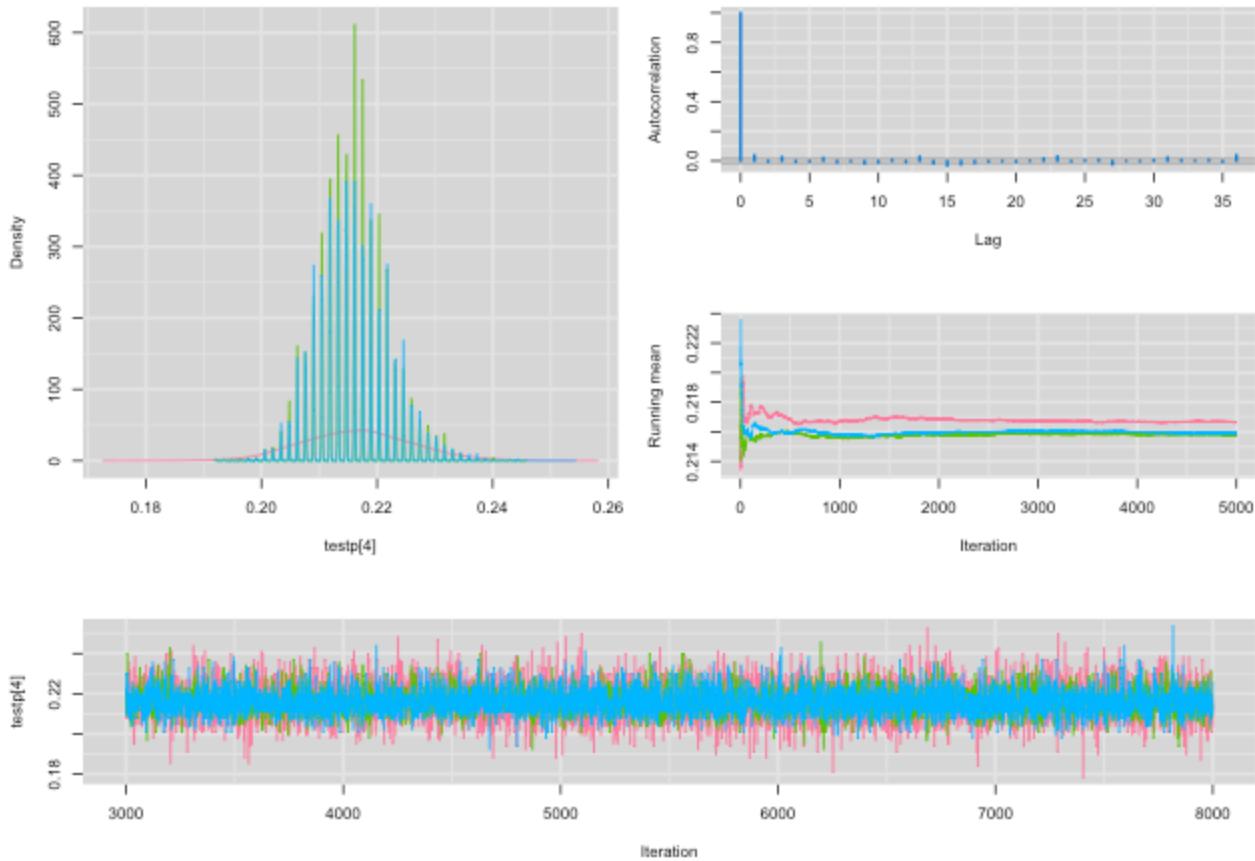
Diagnostics for s_toxin[3]**Diagnostics for s_toxin[4]**

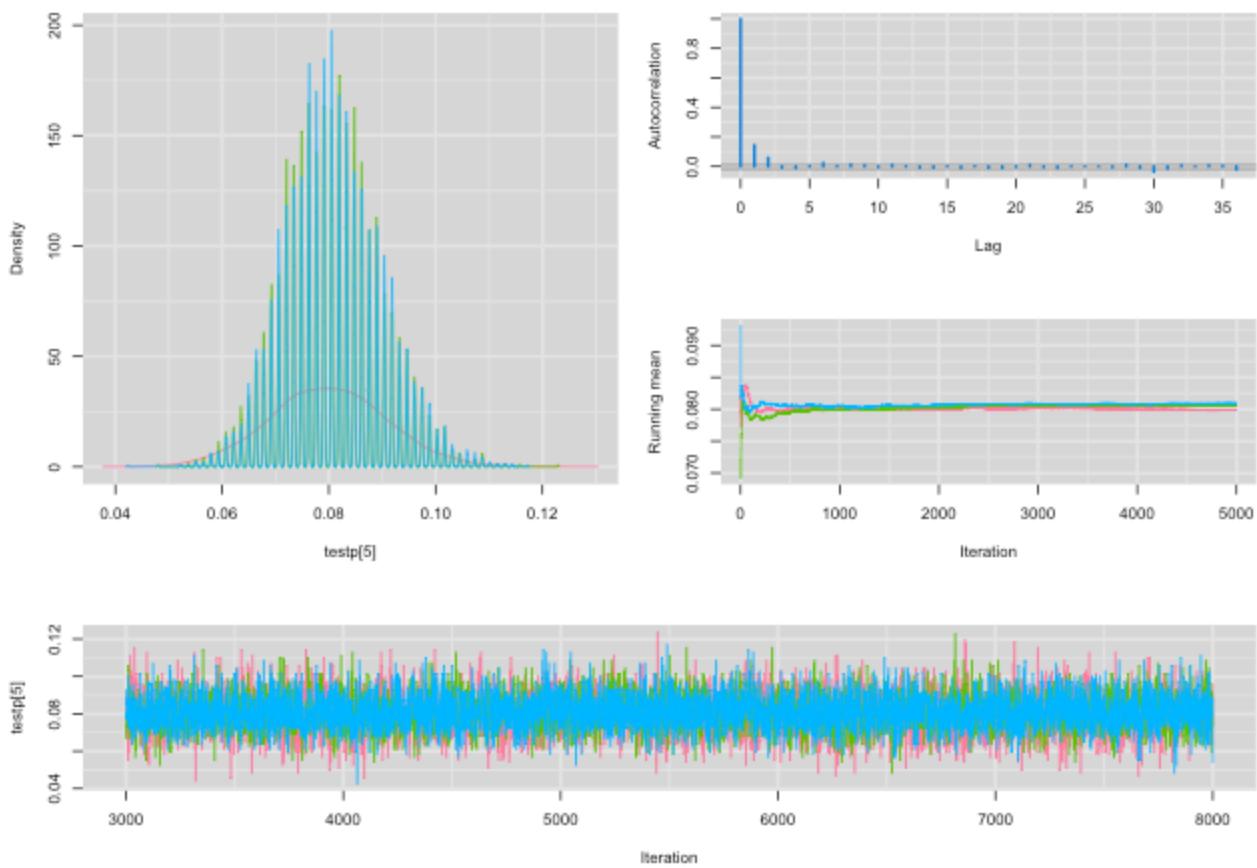
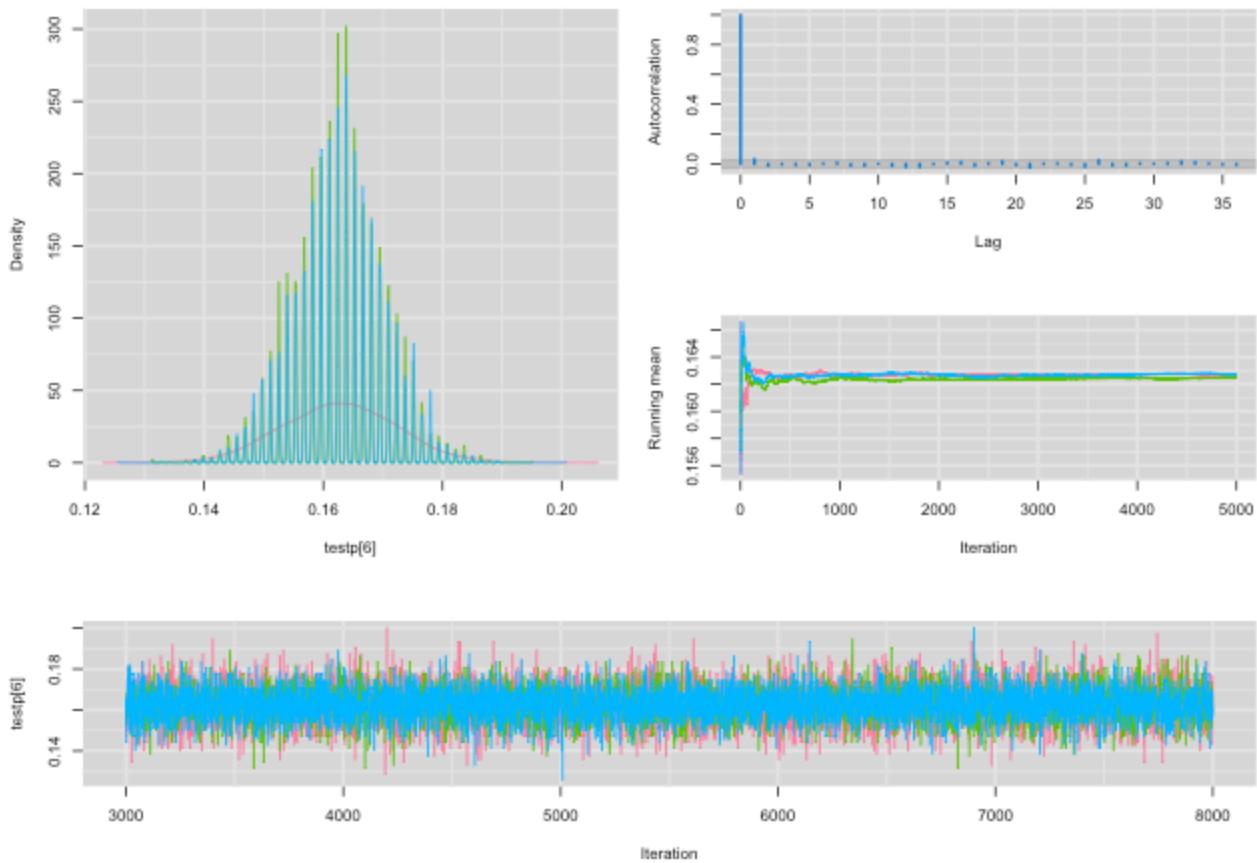
Diagnostics for s_toxin[5]**Diagnostics for s_toxin[6]**

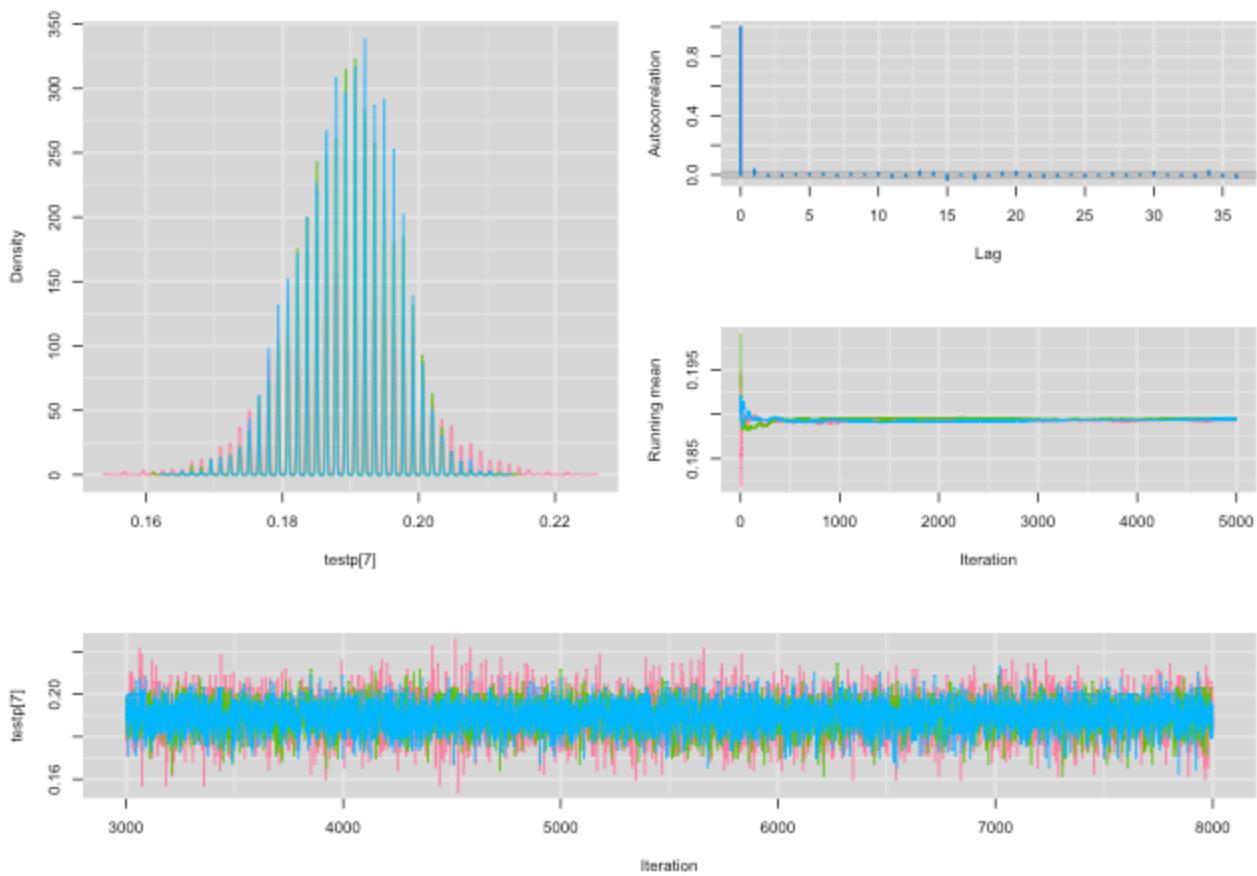
Diagnostics for s_toxin[7]**Diagnostics for s_toxin[8]**

Plots for testp

Diagnostics for testp[1]**Diagnostics for testp[2]**

Diagnostics for testp[3]**Diagnostics for testp[4]**

Diagnostics for testp[5]**Diagnostics for testp[6]**

Diagnostics for testp[7]**Diagnostics for testp[8]**