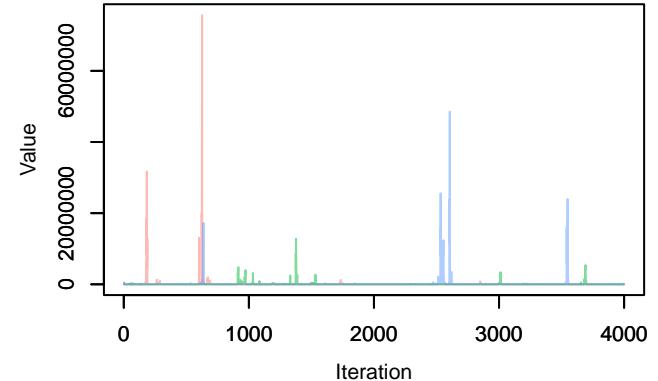
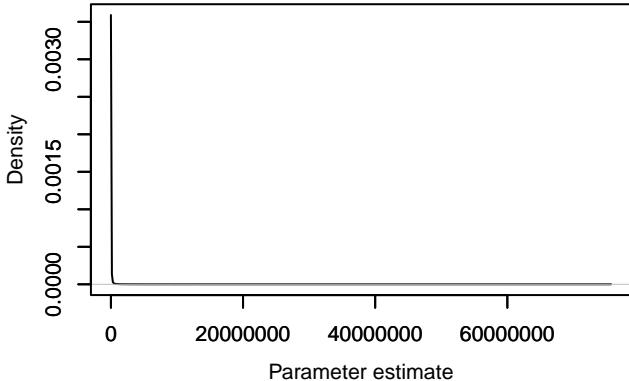
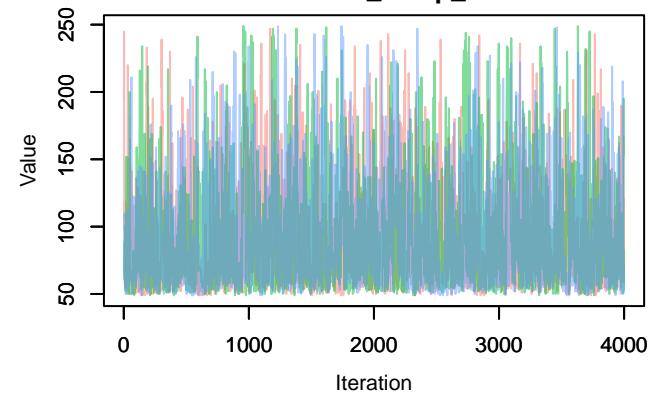
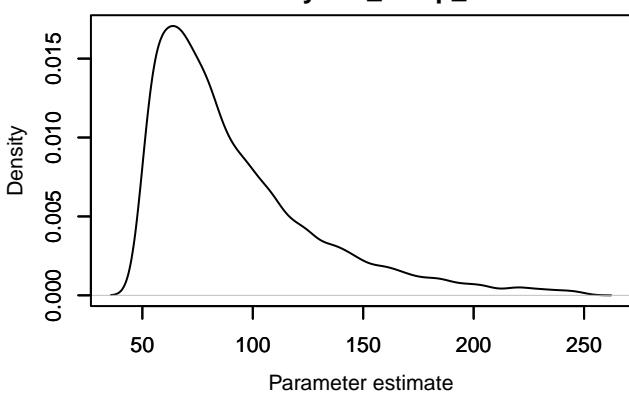
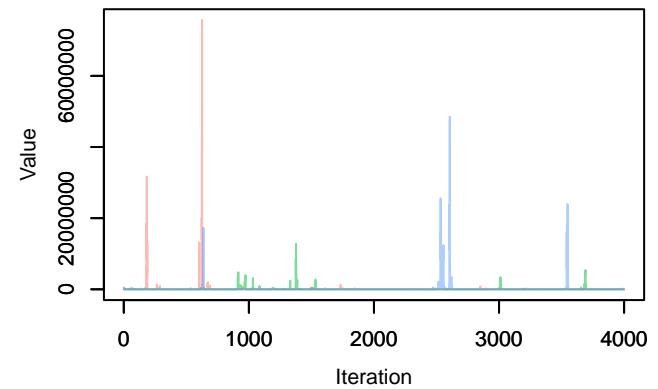
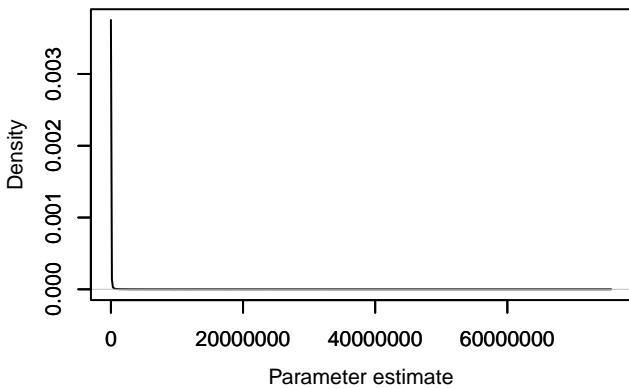
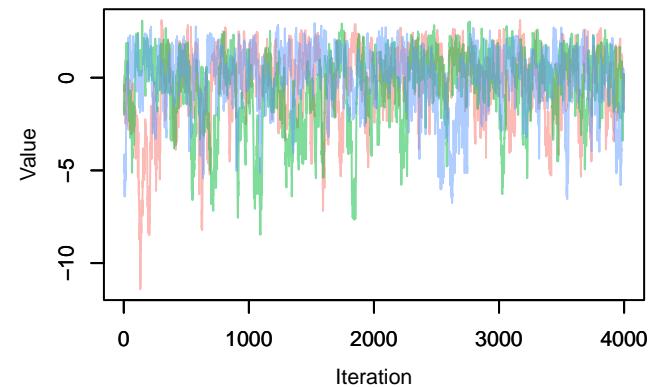
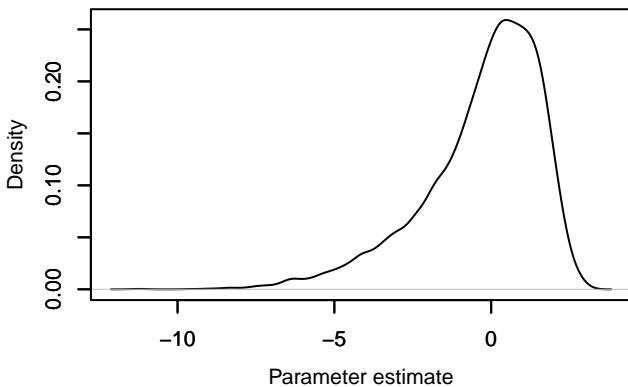
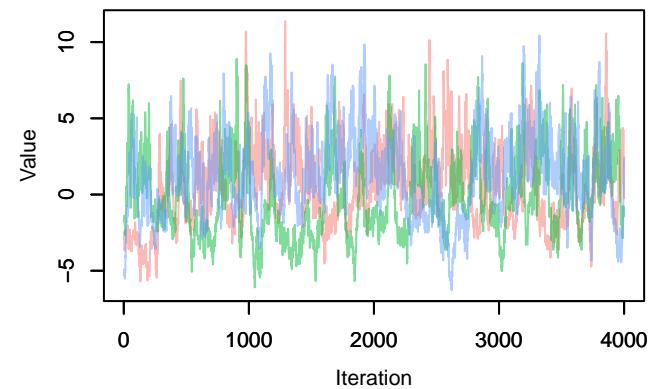
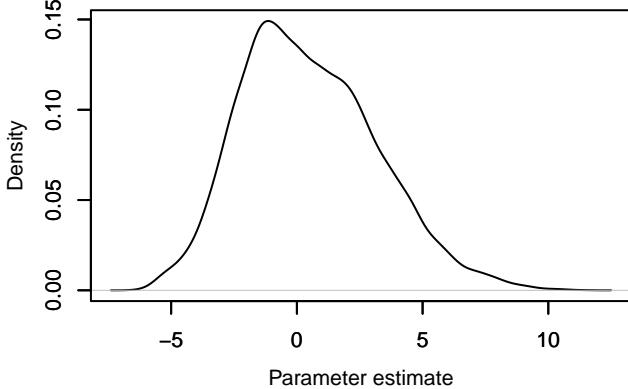
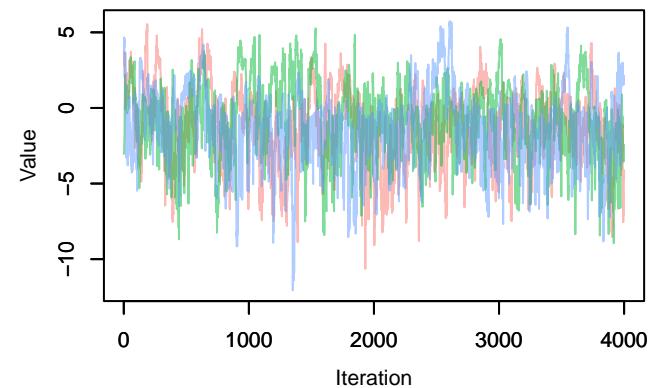
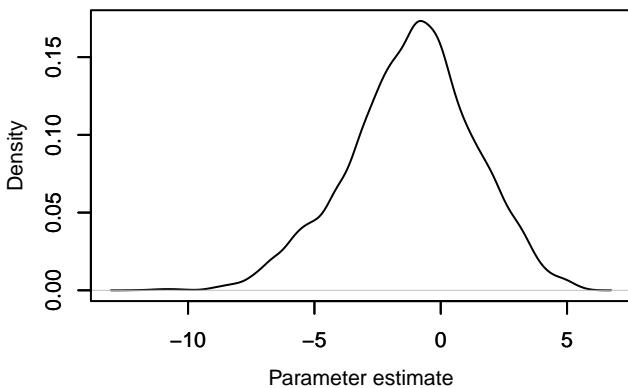
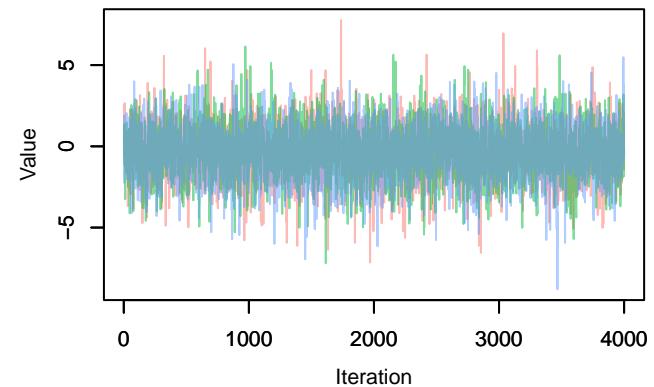
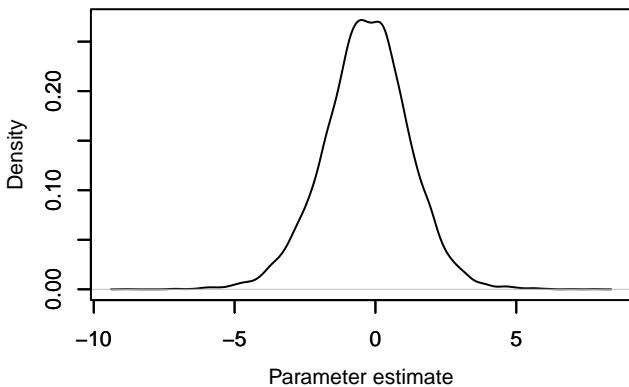
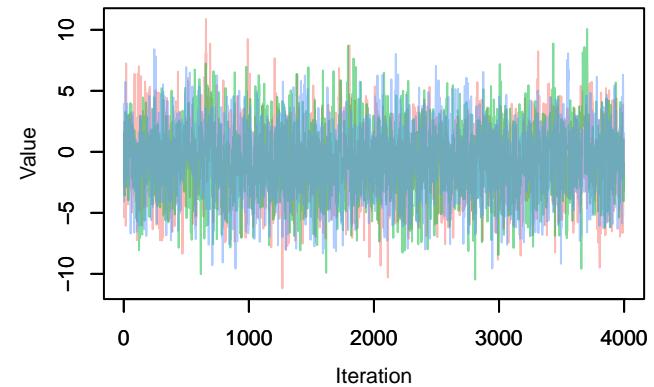
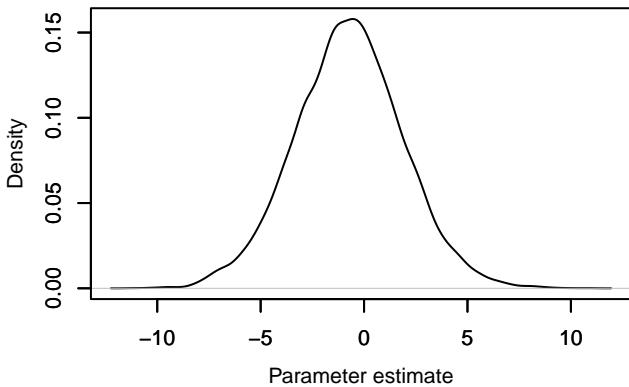
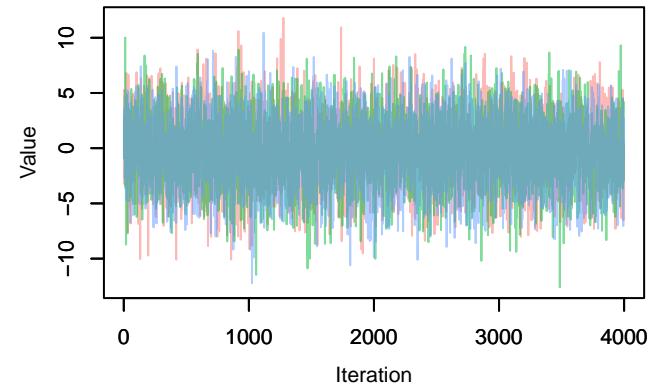
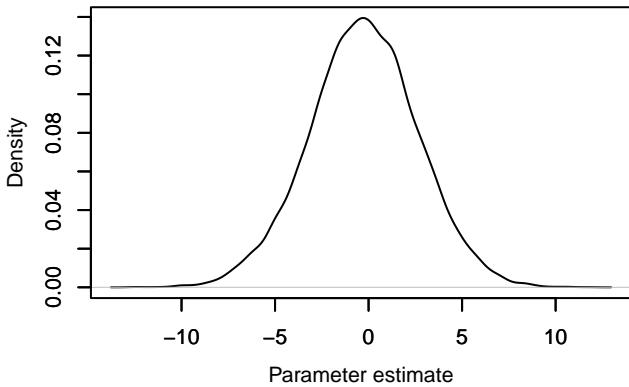
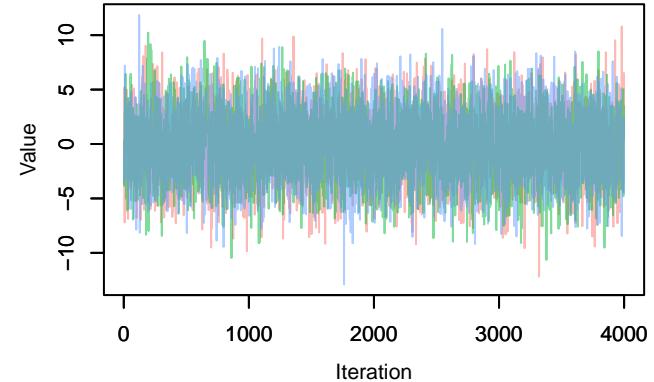
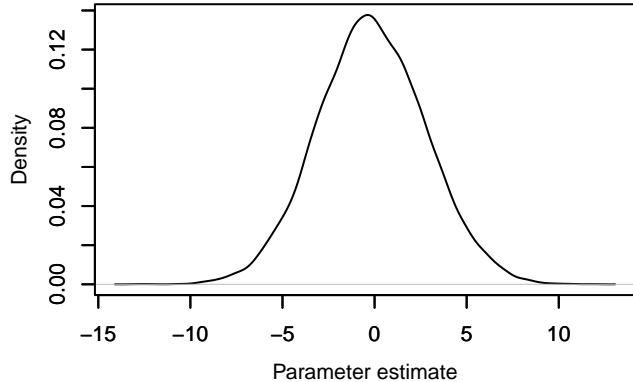
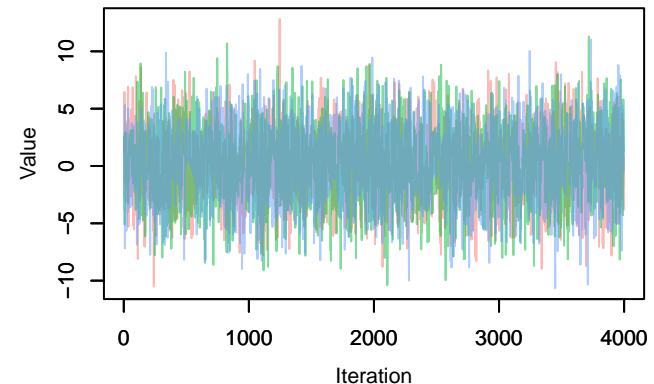
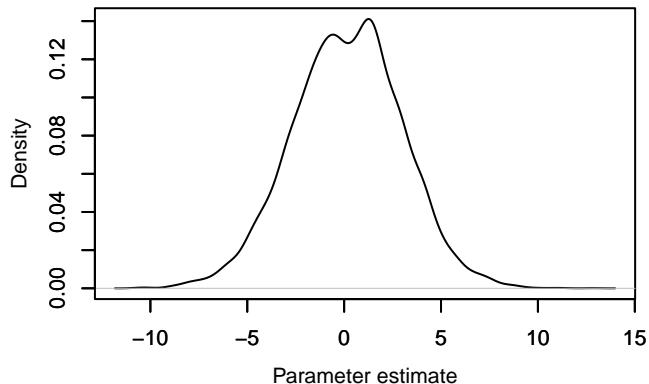
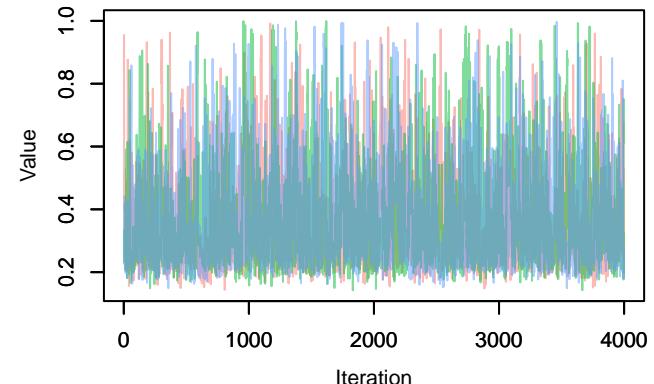
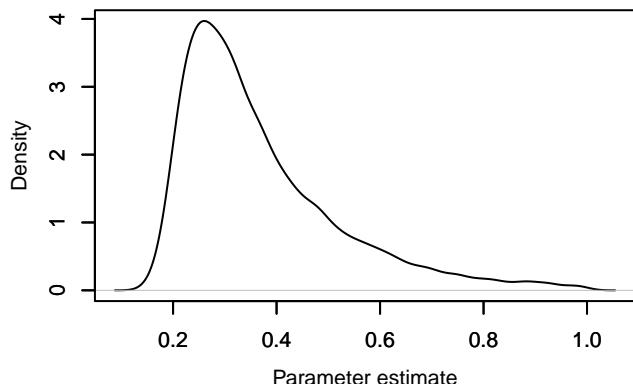
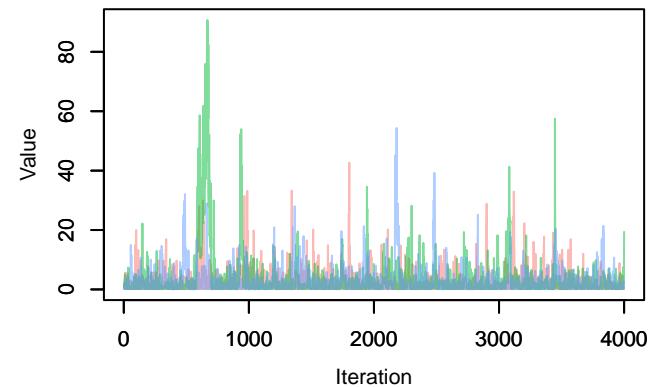
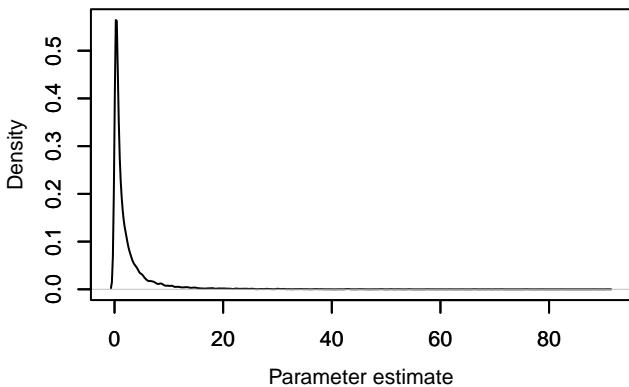
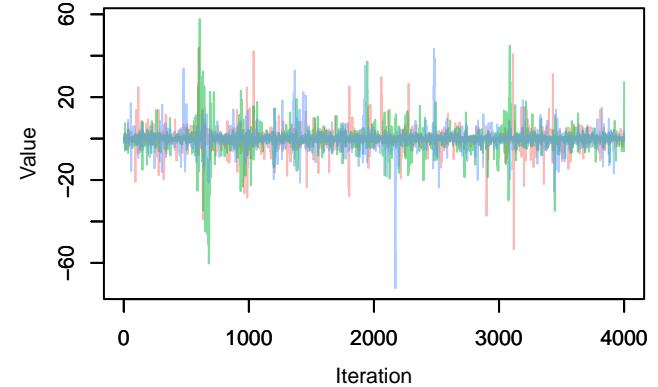
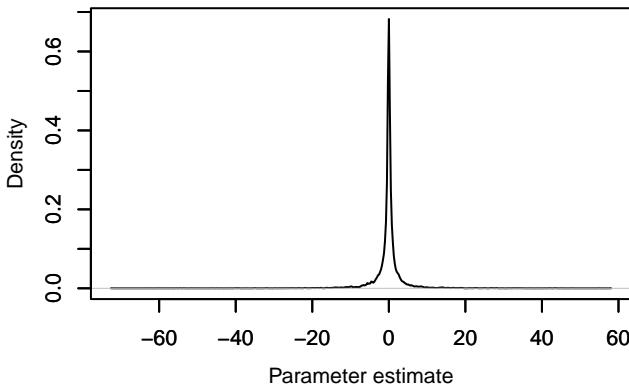
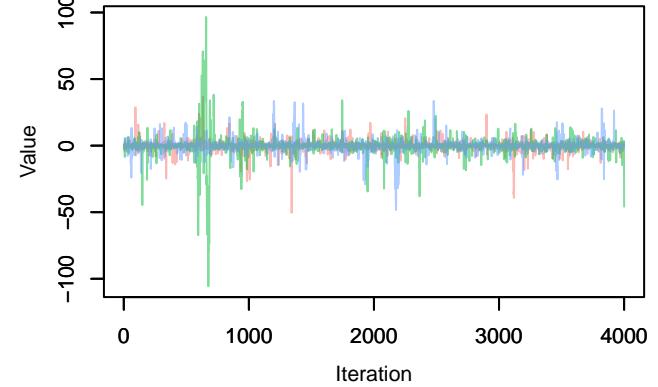
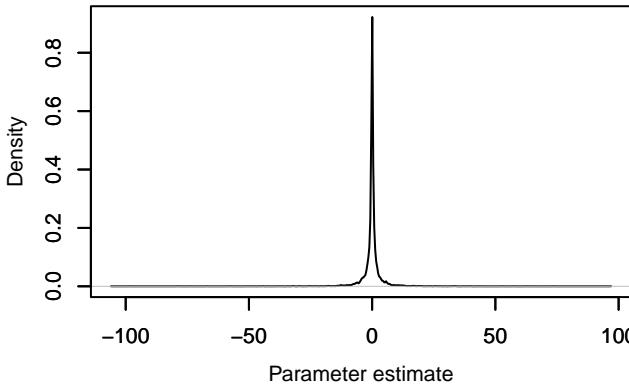


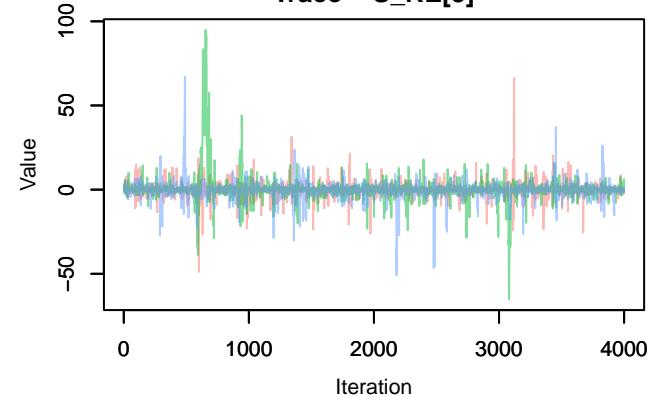
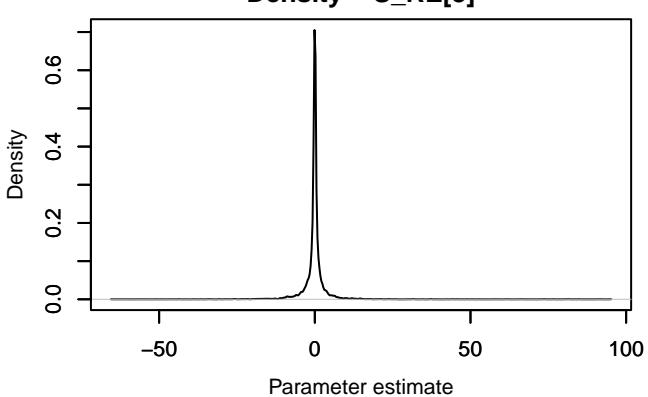
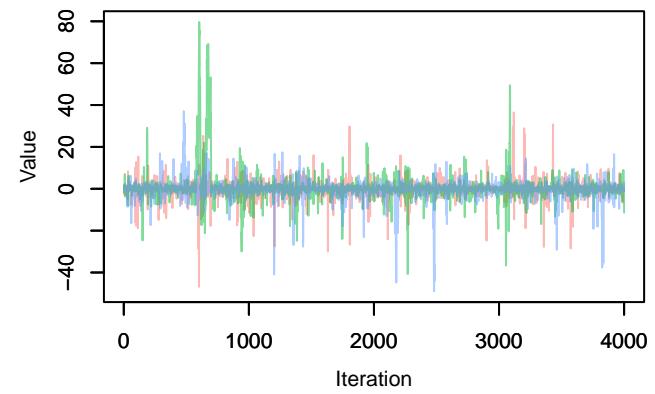
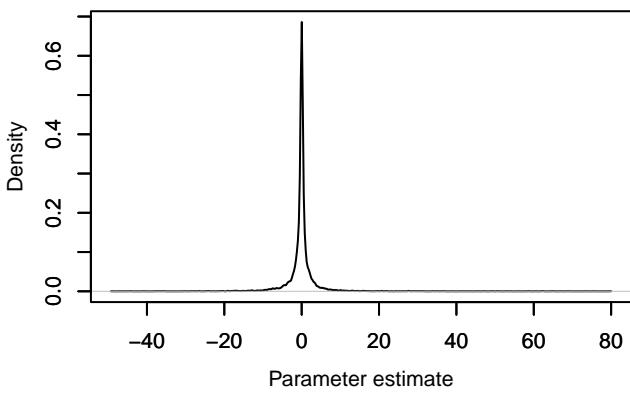
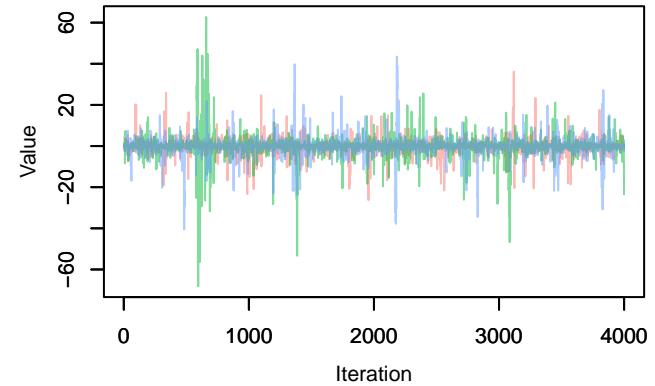
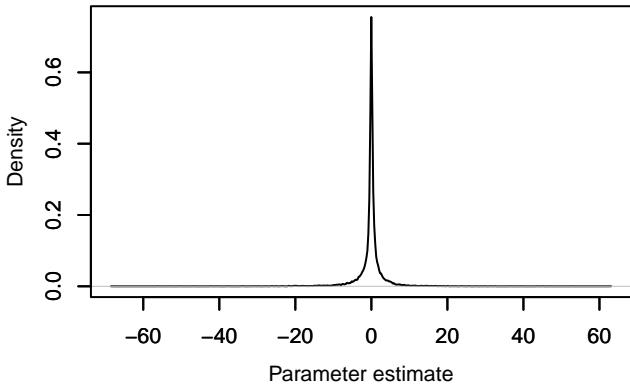
**Trace – N\_tot****Density – N\_tot****Trace – N\_samp\_tot****Density – N\_samp\_tot****Trace – N\_pred\_tot****Density – N\_pred\_tot**

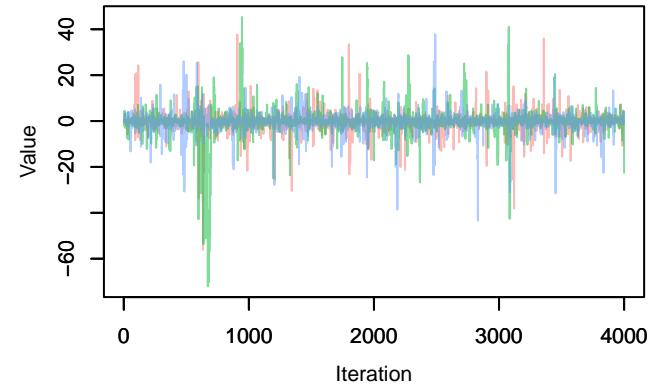
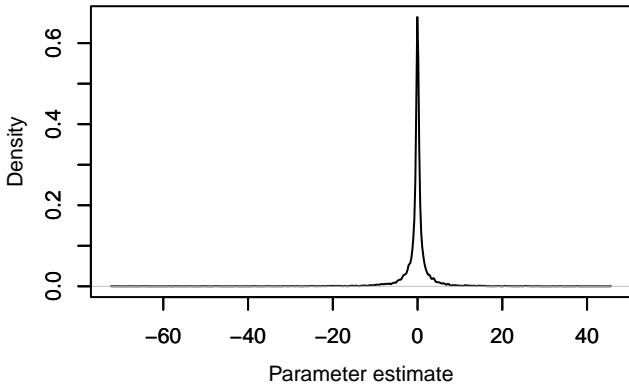
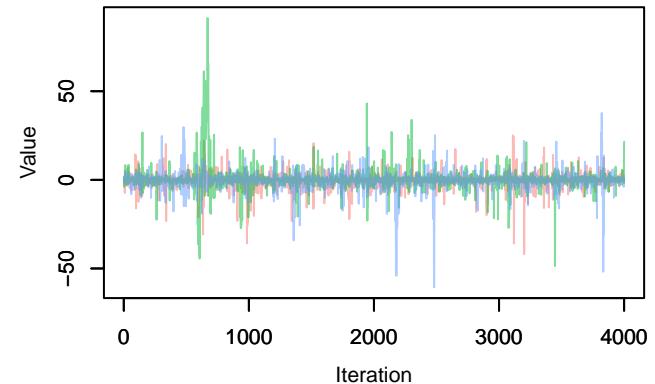
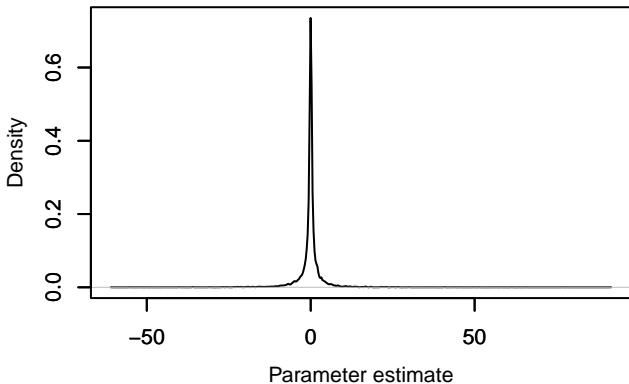
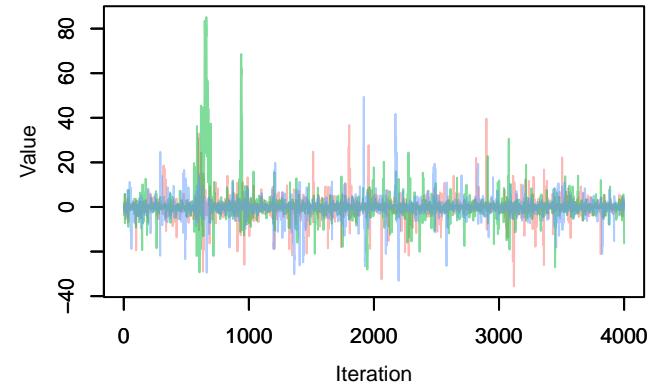
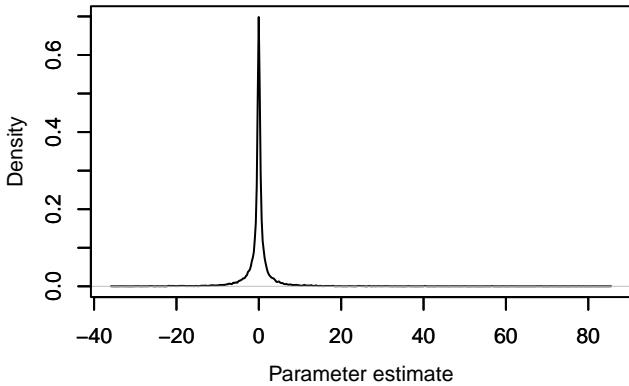
**Trace – beta0****Density – beta0****Trace – beta1****Density – beta1****Trace – beta2****Density – beta2**

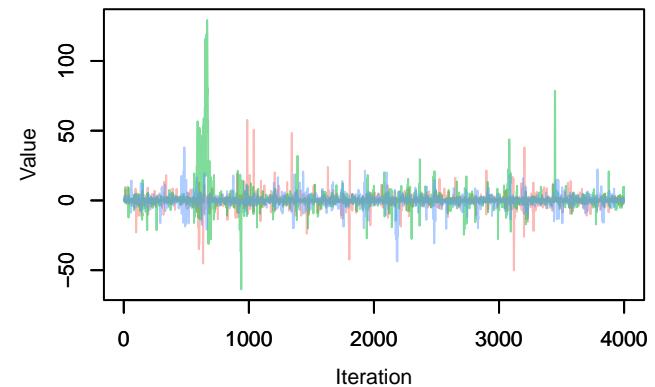
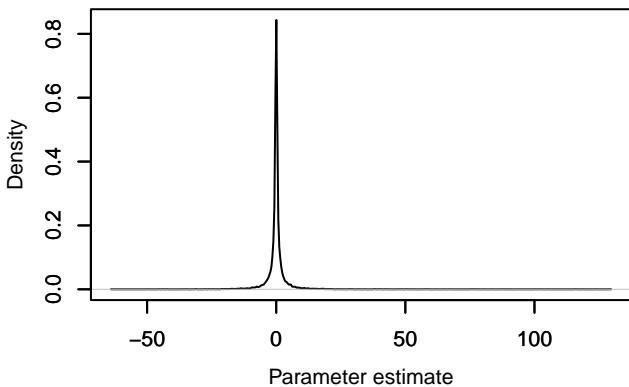
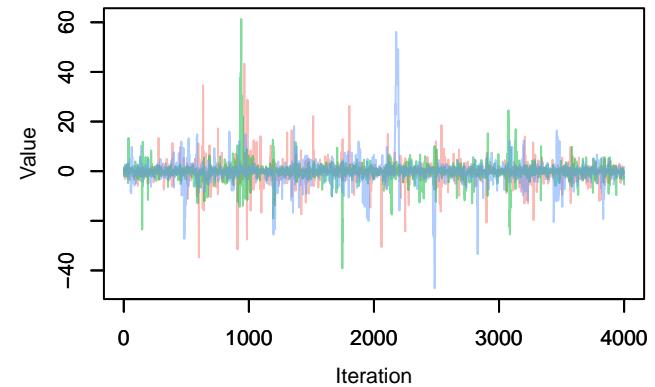
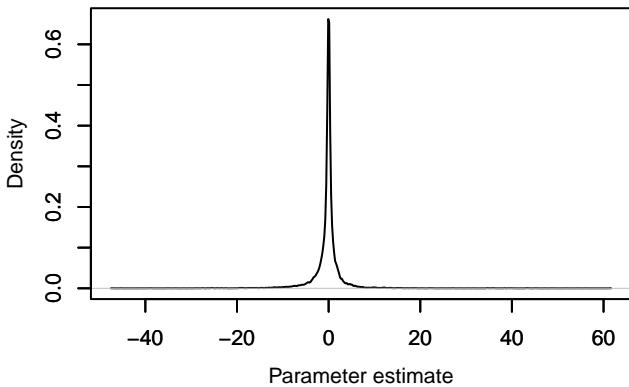
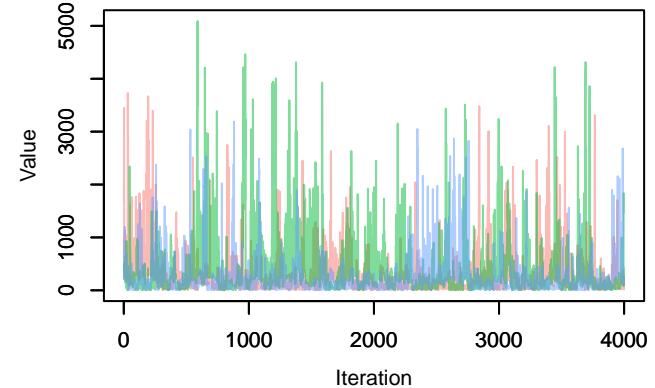
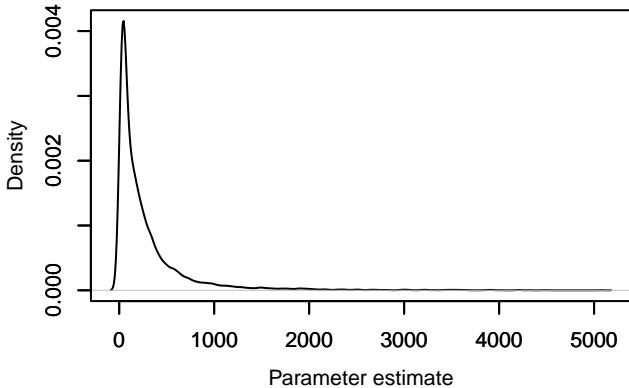
**Trace – alpha0****Density – alpha0****Trace – alpha1[1]****Density – alpha1[1]****Trace – alpha1[2]****Density – alpha1[2]**

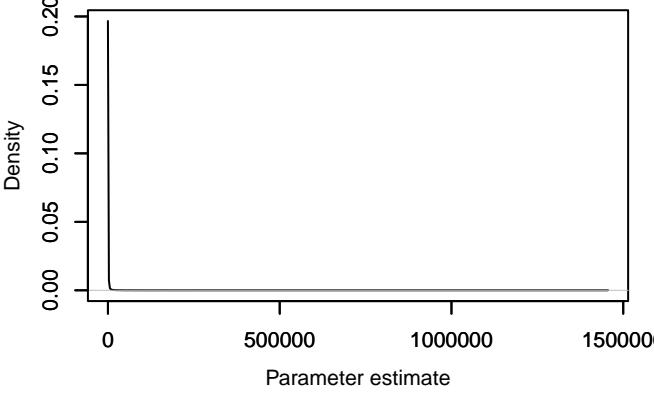
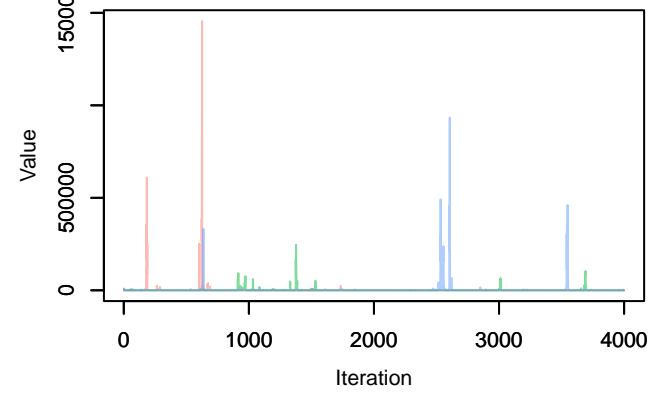
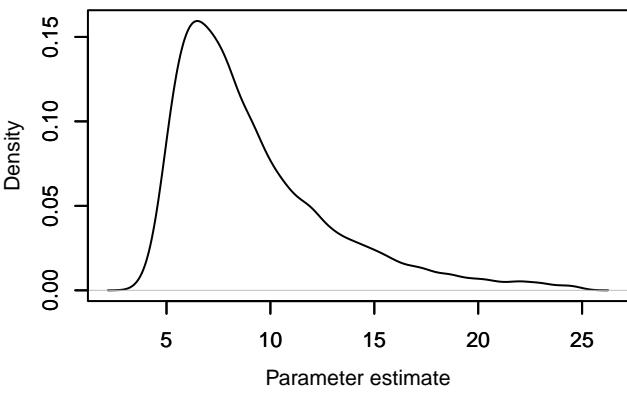
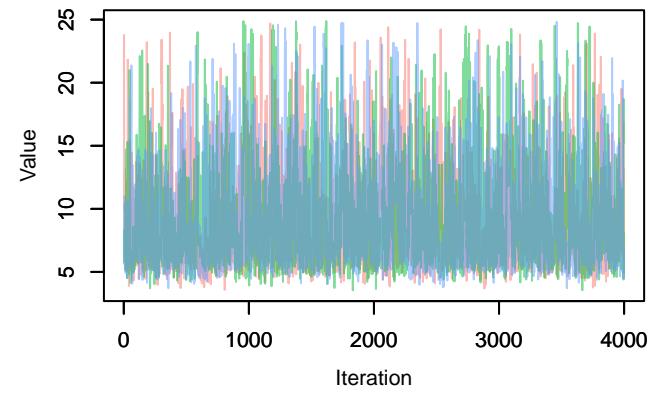
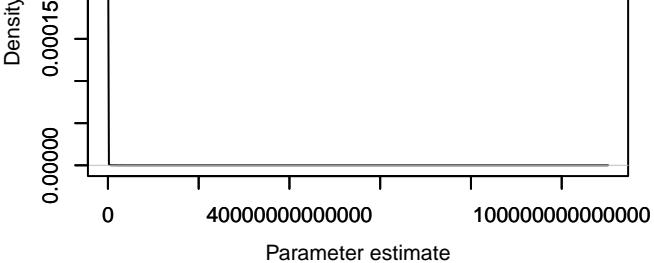
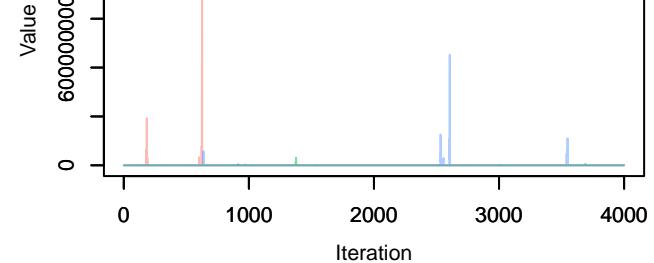
**Trace – alpha1[3]****Density – alpha1[3]****Trace – alpha2****Density – alpha2****Trace – psi****Density – psi**

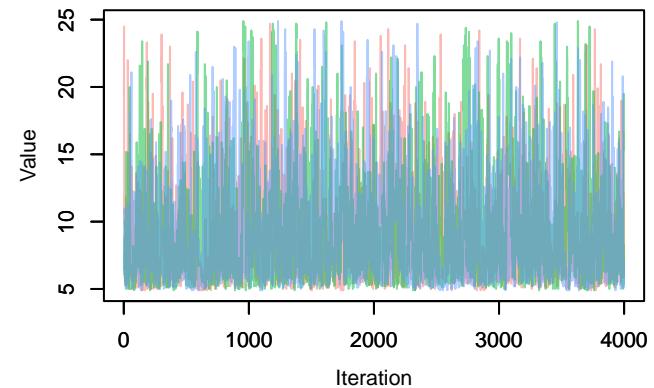
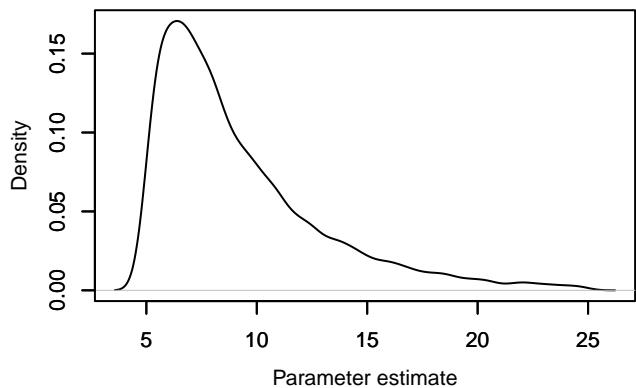
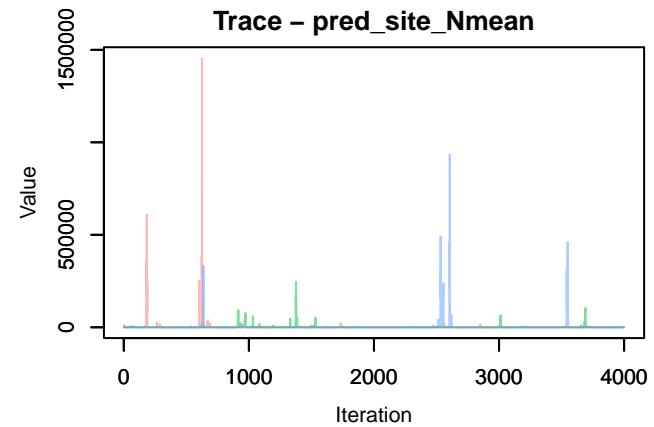
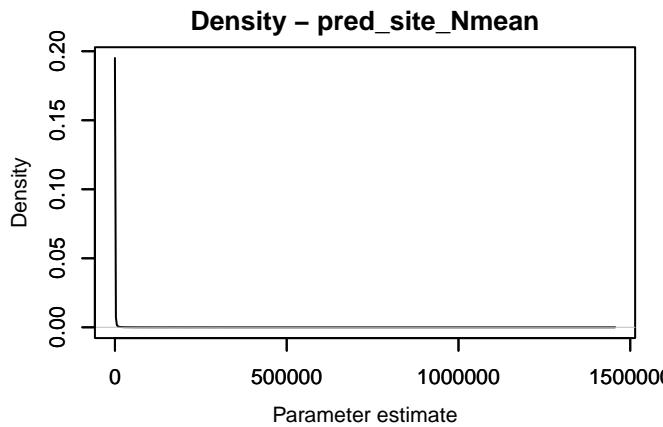
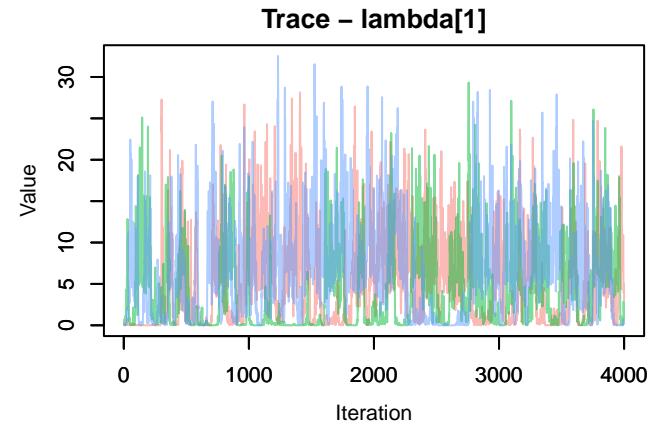
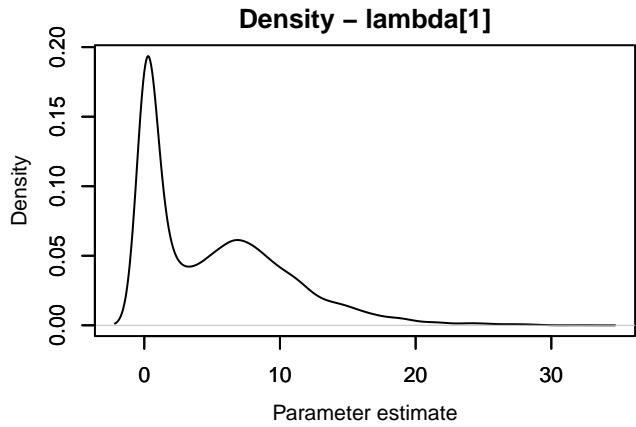
**Trace – sigma\_sre****Density – sigma\_sre****Trace – S\_RE[1]****Density – S\_RE[1]****Trace – S\_RE[2]****Density – S\_RE[2]**

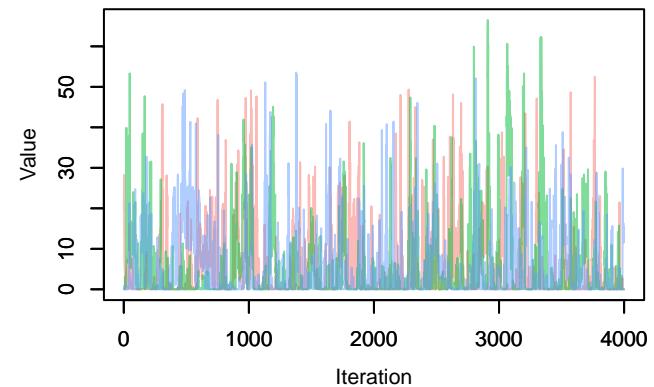
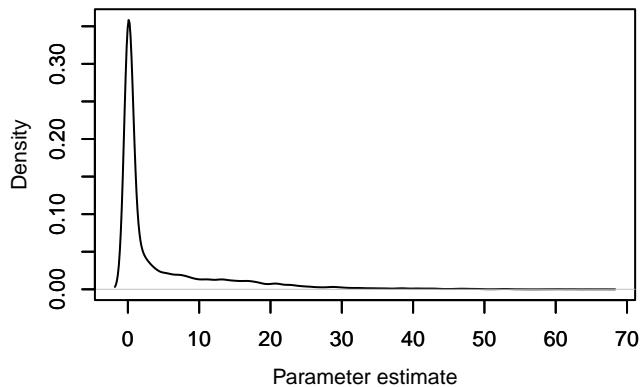
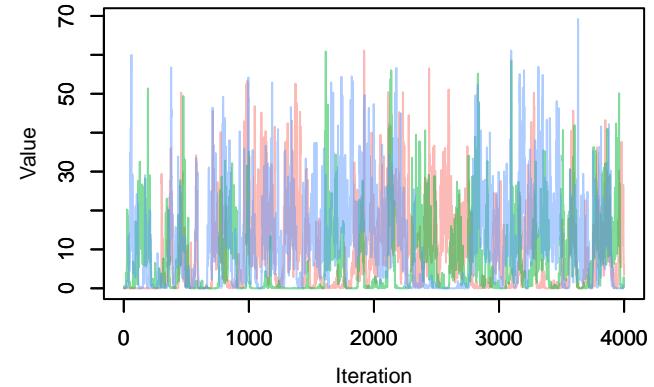
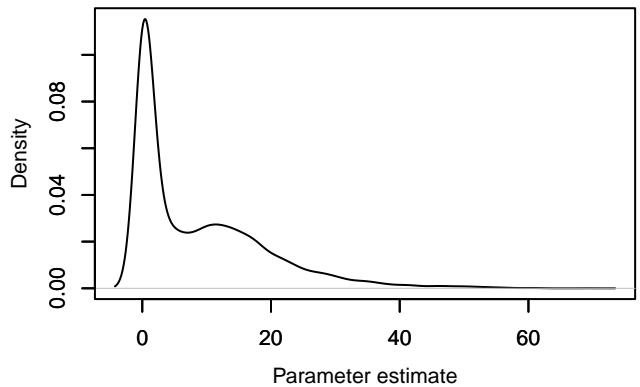
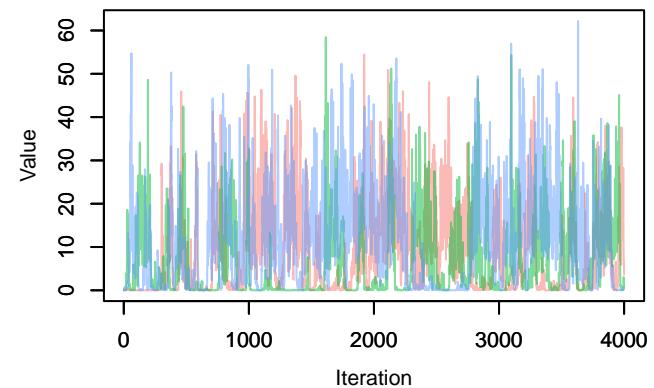
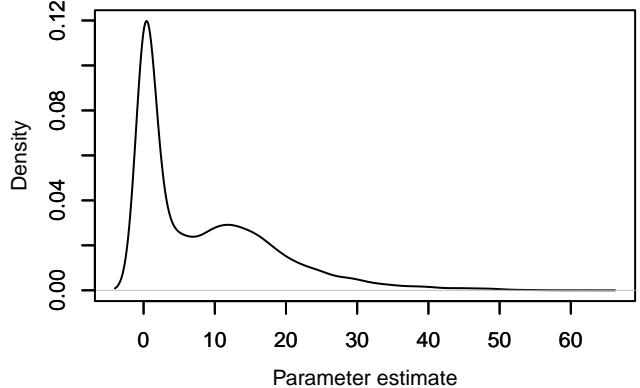
**Trace – S\_RE[3]****Density – S\_RE[3]****Trace – S\_RE[4]****Density – S\_RE[4]****Trace – S\_RE[5]****Density – S\_RE[5]**

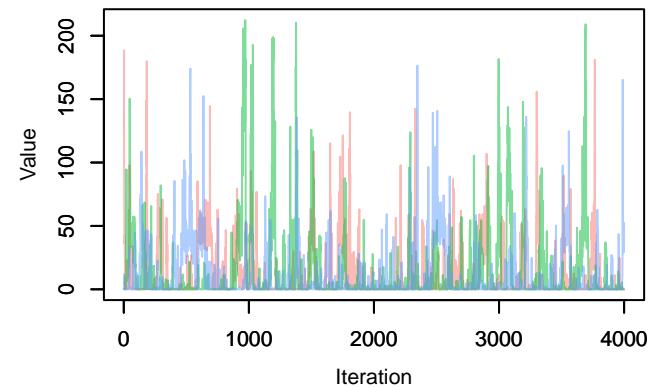
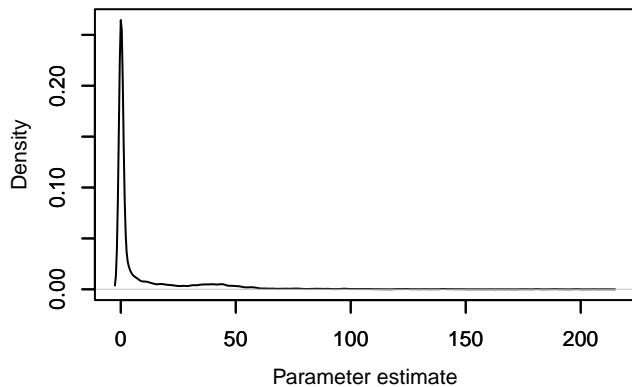
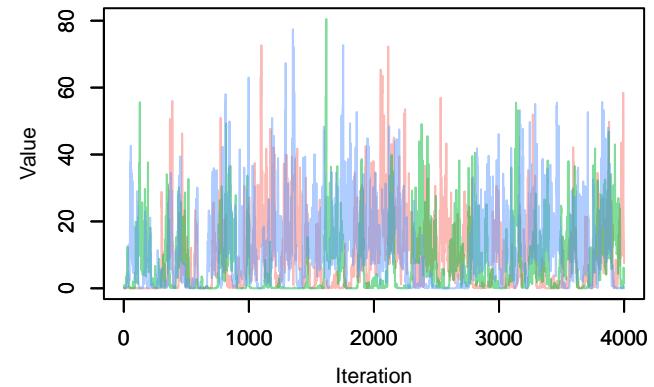
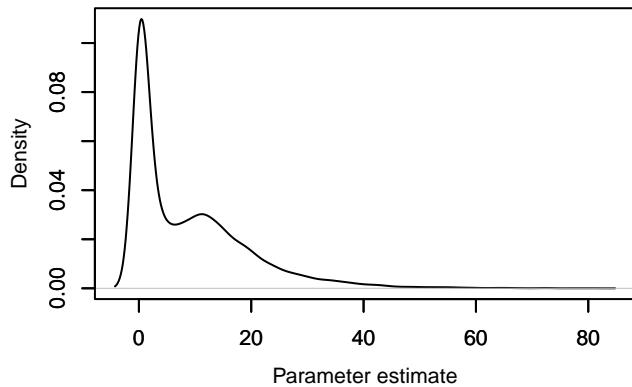
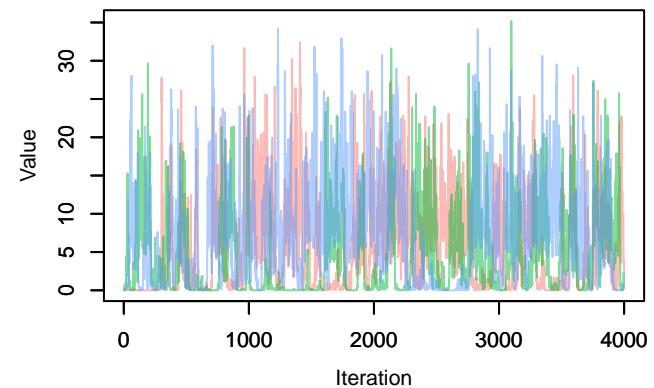
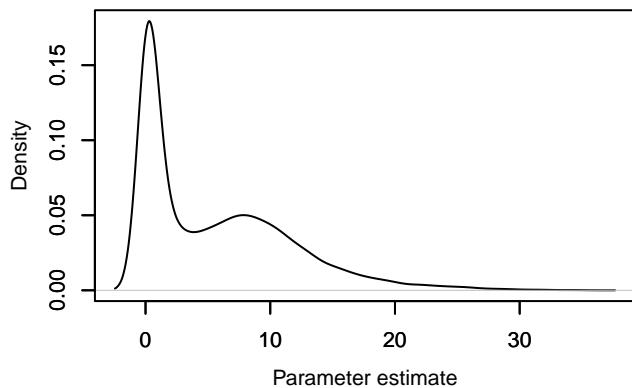
**Trace – S\_RE[6]****Density – S\_RE[6]****Trace – S\_RE[7]****Density – S\_RE[7]****Trace – S\_RE[8]****Density – S\_RE[8]**

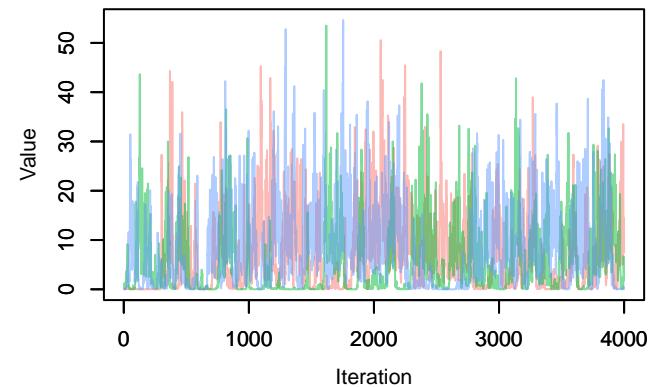
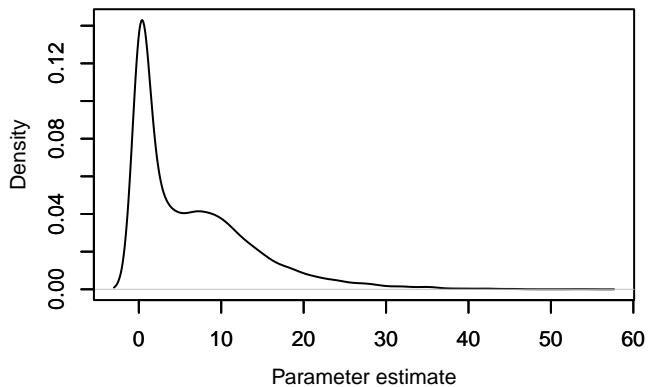
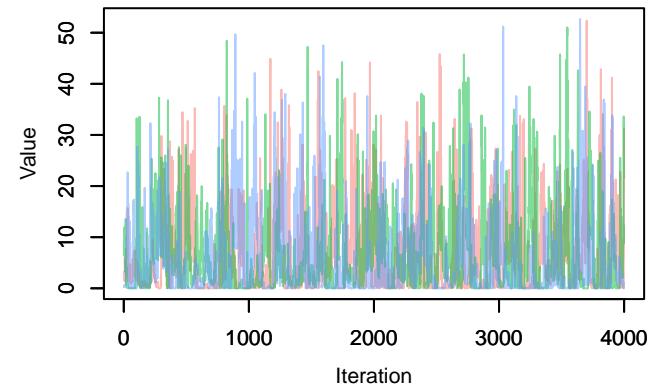
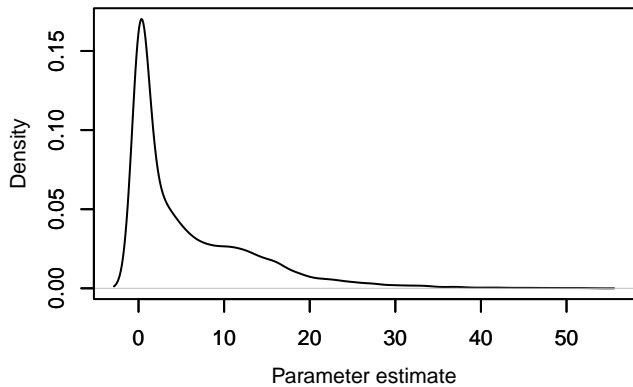
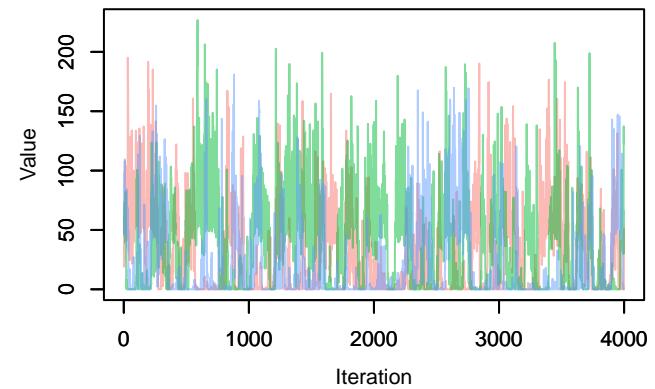
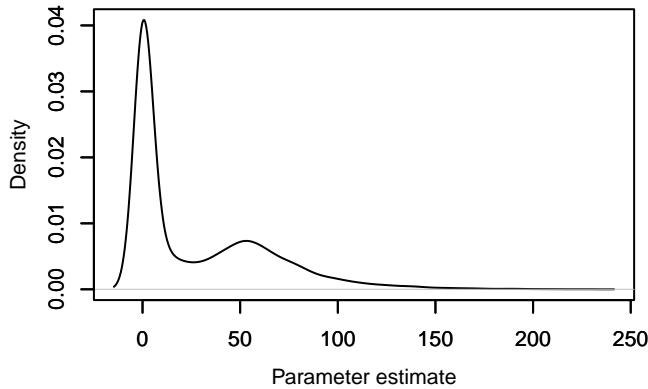
**Trace – S\_RE[9]****Density – S\_RE[9]****Trace – S\_RE[10]****Density – S\_RE[10]****Trace – samp\_site\_lambda\_var****Density – samp\_site\_lambda\_var**

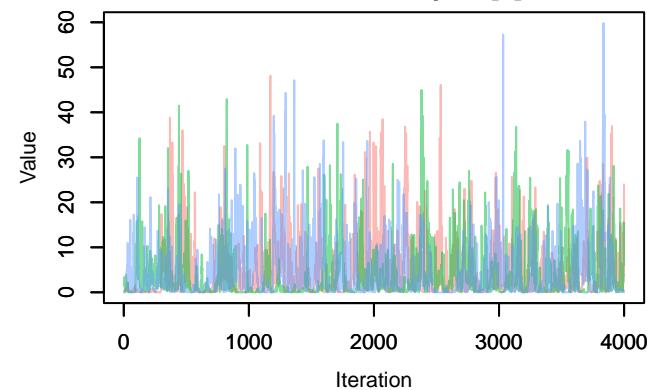
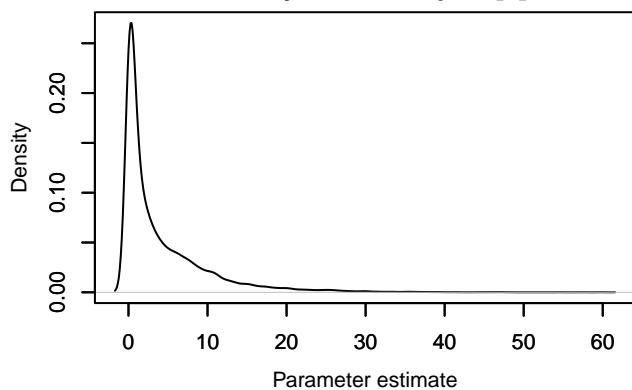
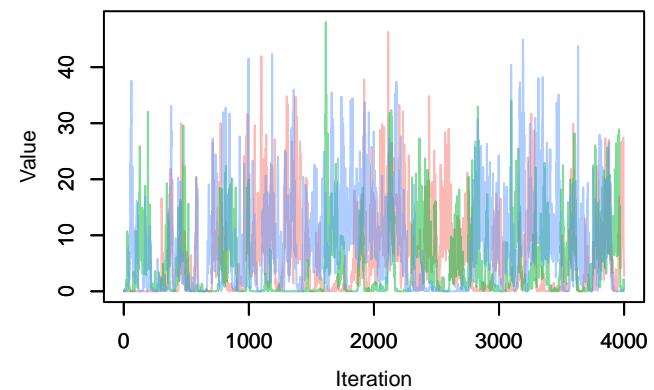
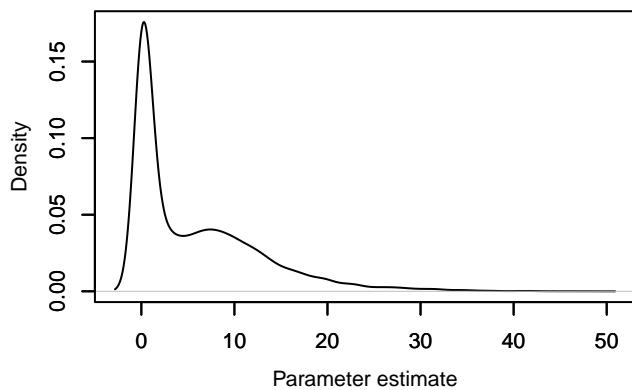
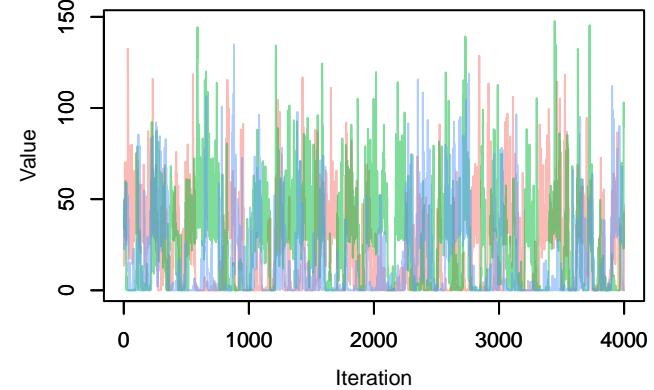
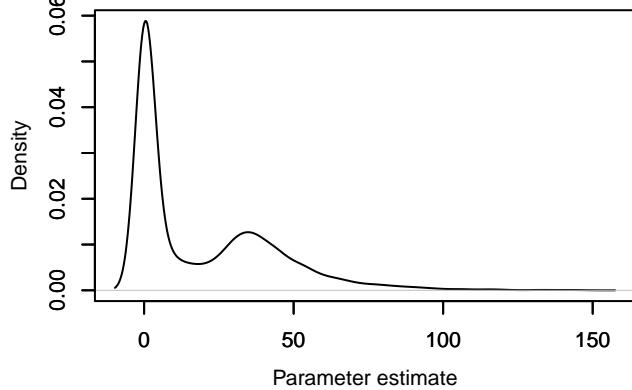


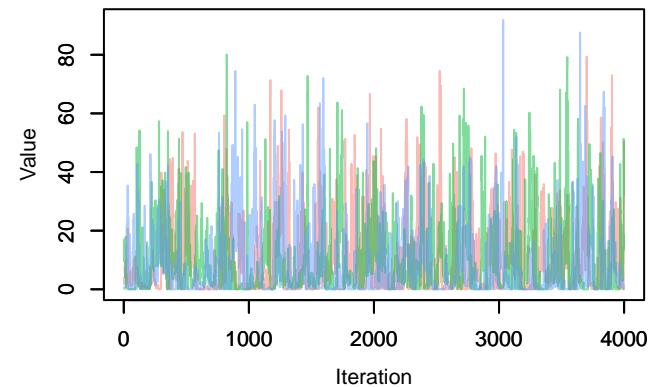
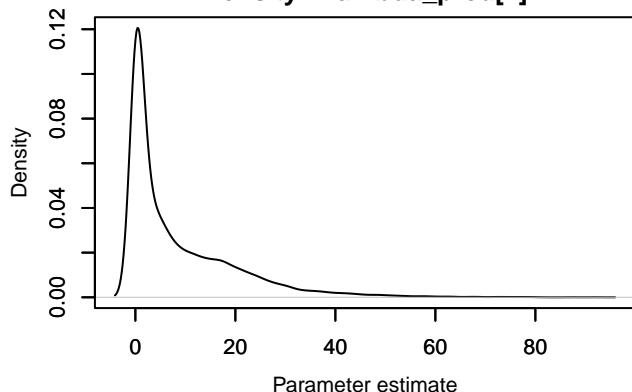
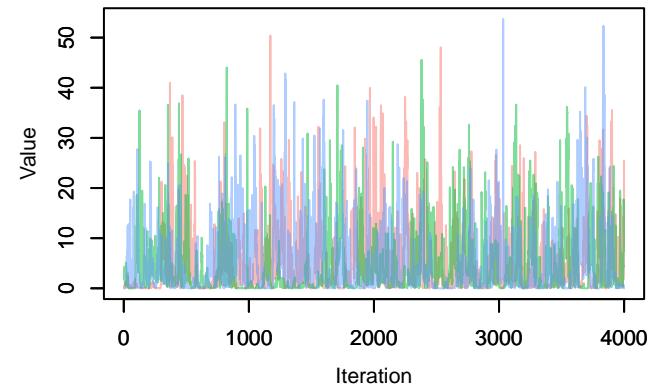
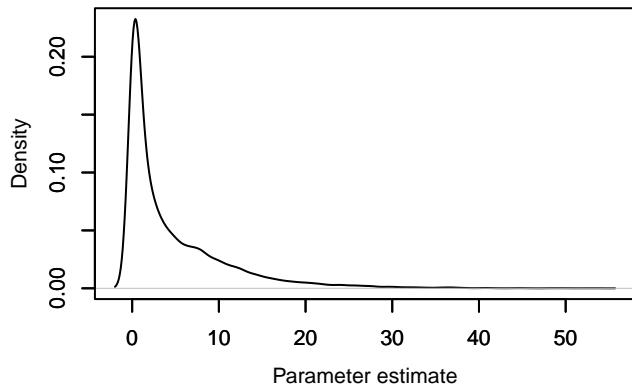
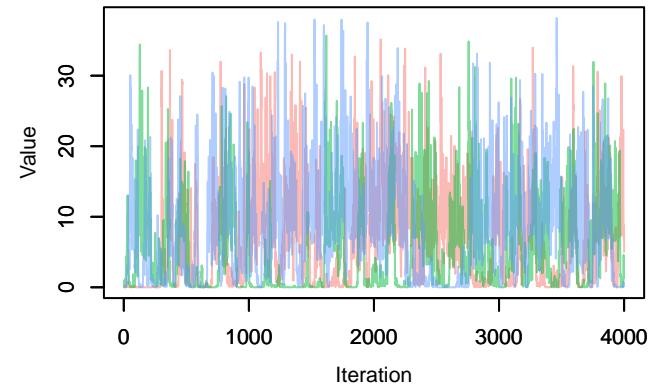
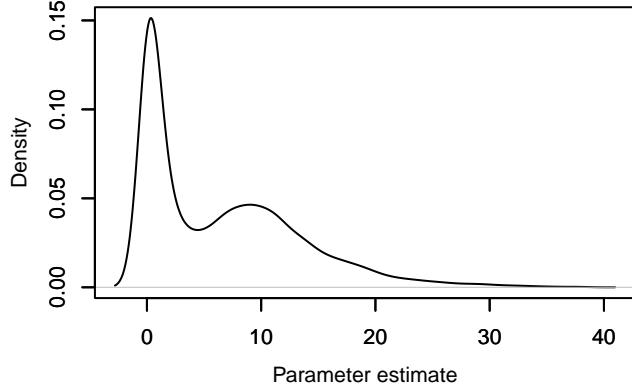
**Trace – samp\_site\_Nmean****Density – samp\_site\_Nmean****Trace – pred\_site\_Nmean****Density – pred\_site\_Nmean****Trace – lambda[1]****Density – lambda[1]**

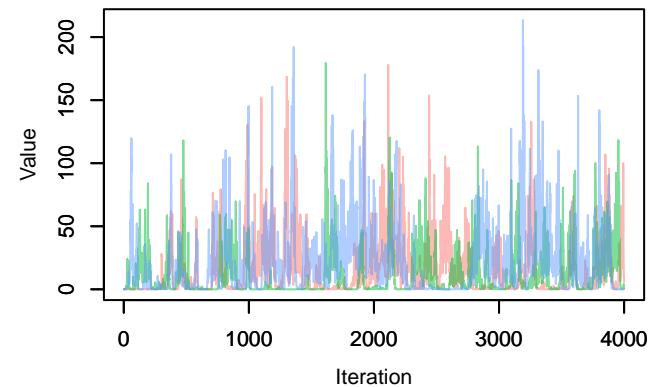
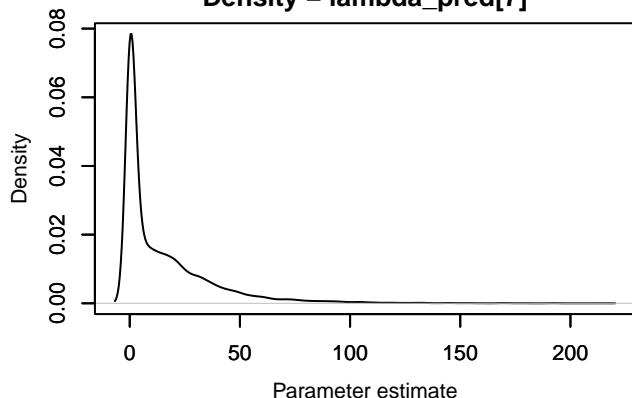
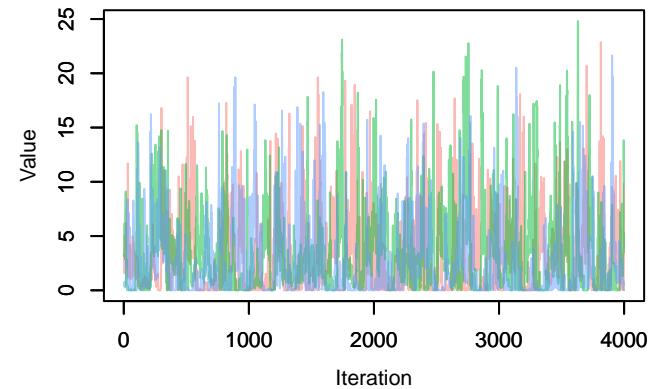
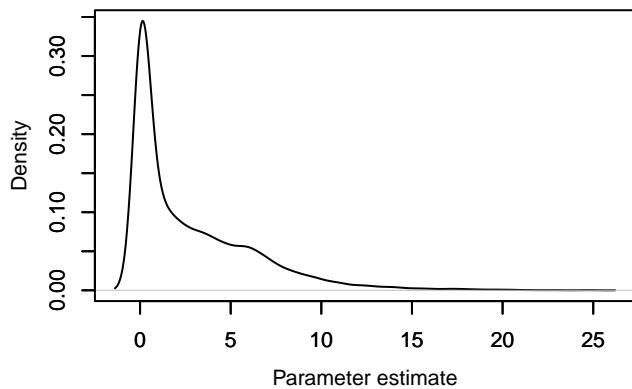
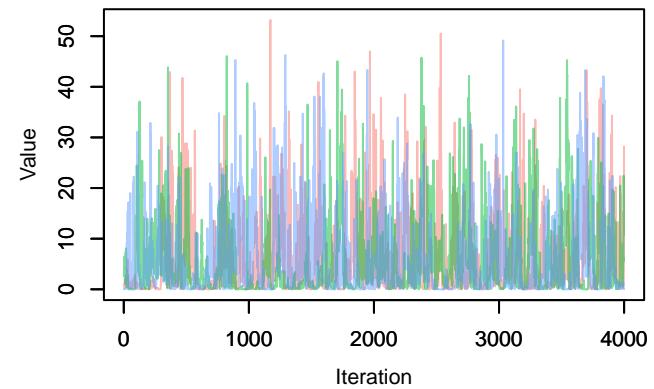
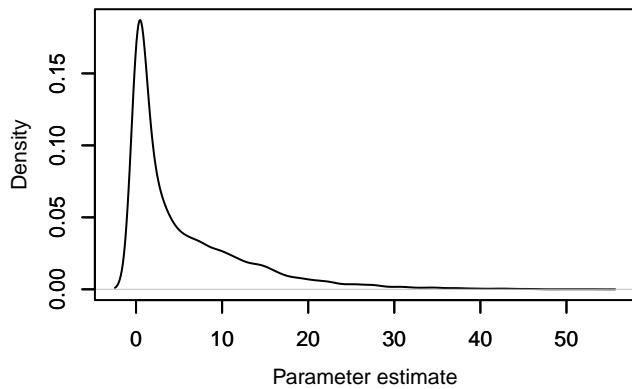
**Trace – lambda[2]****Density – lambda[2]****Trace – lambda[3]****Density – lambda[3]****Trace – lambda[4]****Density – lambda[4]**

**Trace – lambda[5]****Density – lambda[5]****Trace – lambda[6]****Density – lambda[6]****Trace – lambda[7]****Density – lambda[7]**

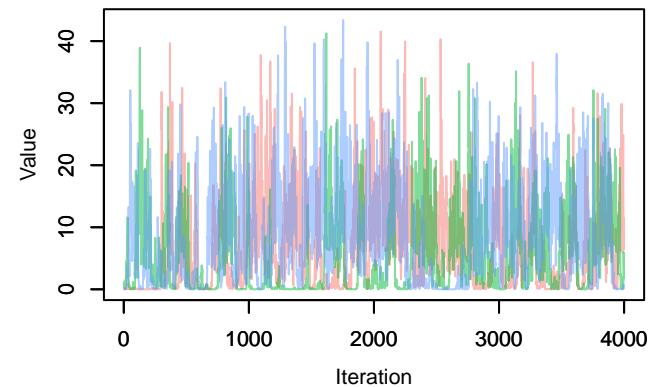
**Trace – lambda[8]****Density – lambda[8]****Trace – lambda[9]****Density – lambda[9]****Trace – lambda[10]****Density – lambda[10]**

**Trace – lambda\_pred[1]****Density – lambda\_pred[1]****Trace – lambda\_pred[2]****Density – lambda\_pred[2]****Trace – lambda\_pred[3]****Density – lambda\_pred[3]**

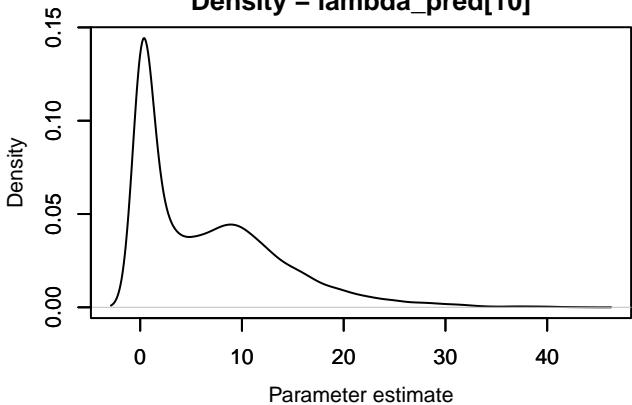
**Trace – lambda\_pred[4]****Density – lambda\_pred[4]****Trace – lambda\_pred[5]****Density – lambda\_pred[5]****Trace – lambda\_pred[6]****Density – lambda\_pred[6]**

**Trace – lambda\_pred[7]****Density – lambda\_pred[7]****Trace – lambda\_pred[8]****Density – lambda\_pred[8]****Trace – lambda\_pred[9]****Density – lambda\_pred[9]**

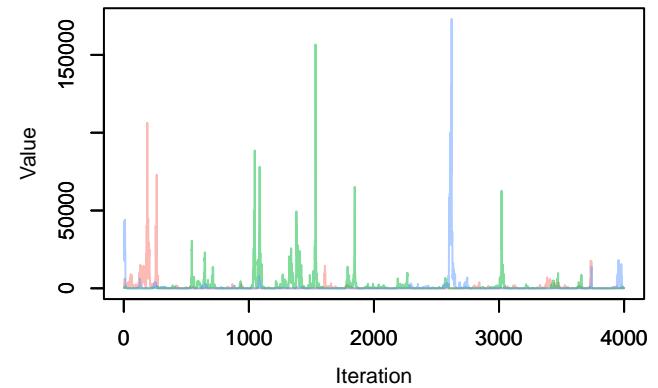
Trace – lambda\_pred[10]



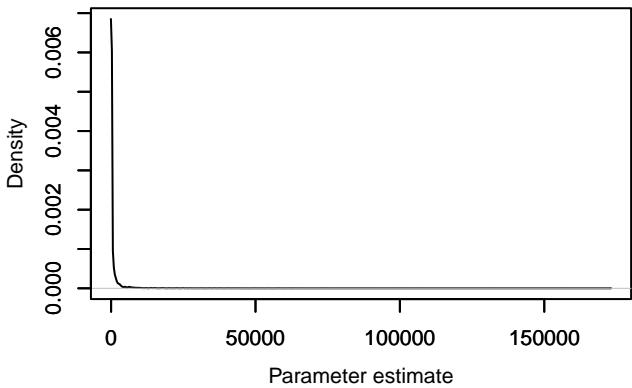
Density – lambda\_pred[10]



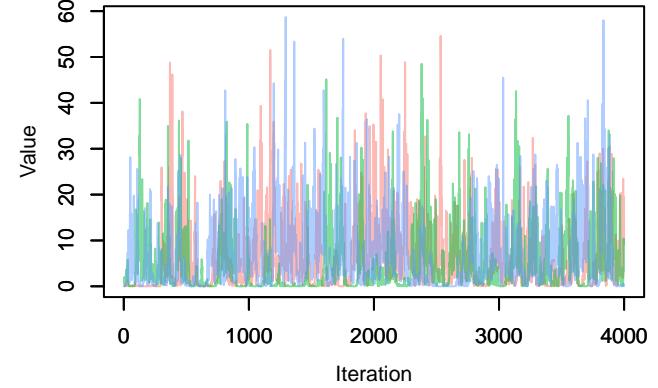
Trace – lambda\_pred[11]



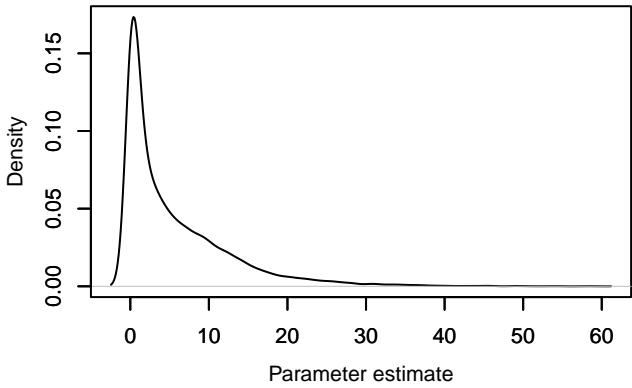
Density – lambda\_pred[11]

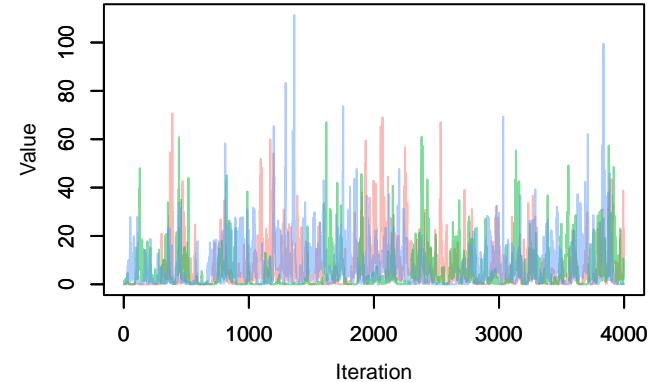
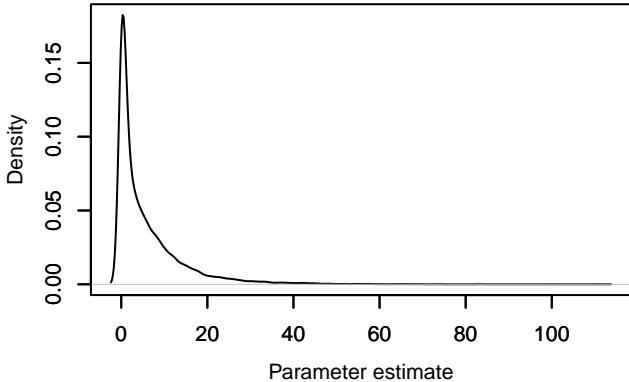
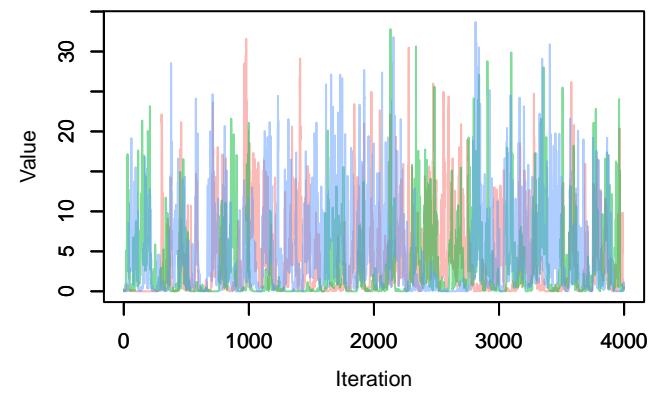
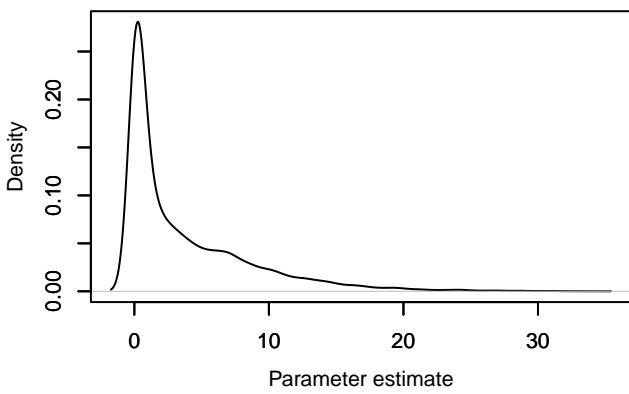
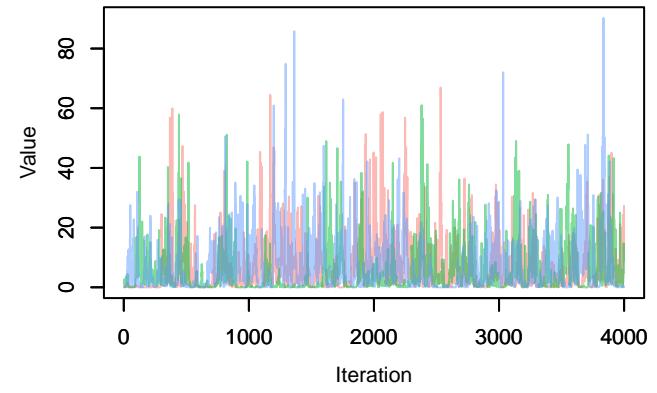
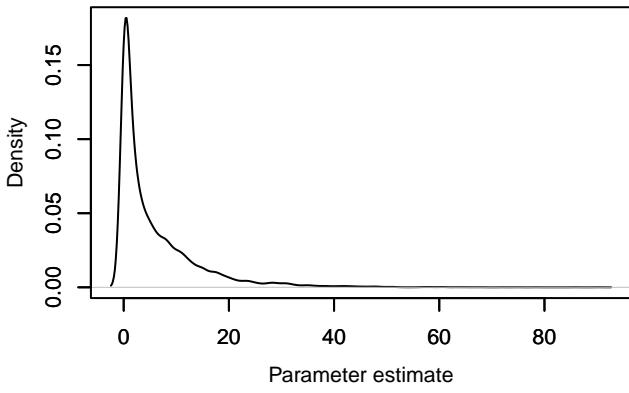


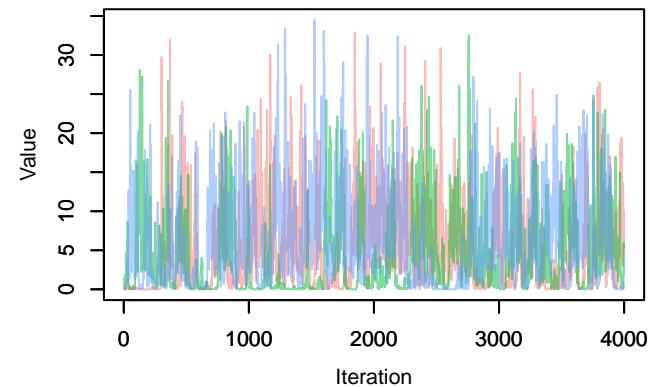
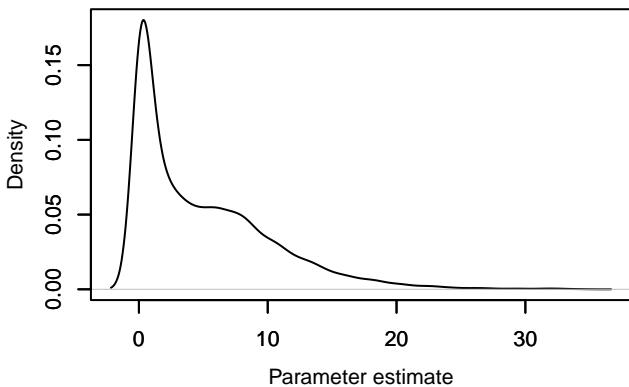
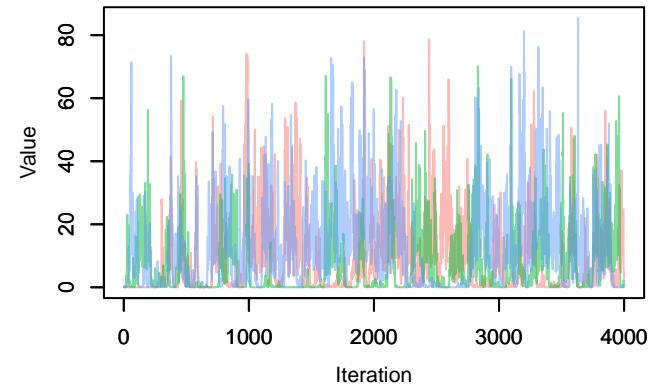
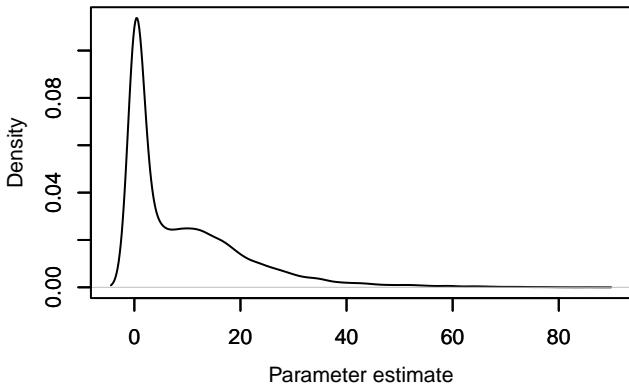
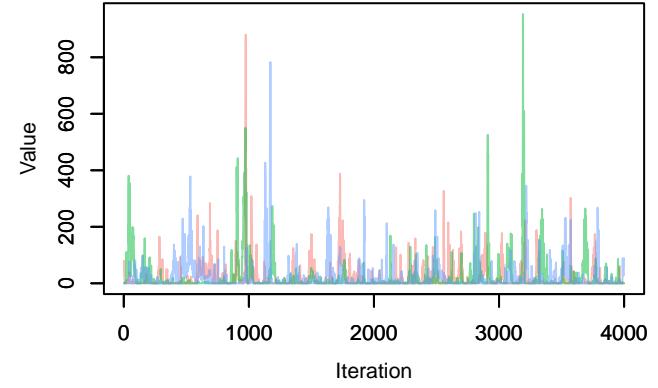
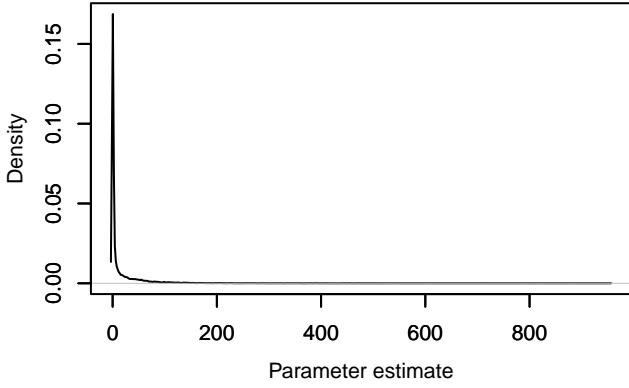
Trace – lambda\_pred[12]

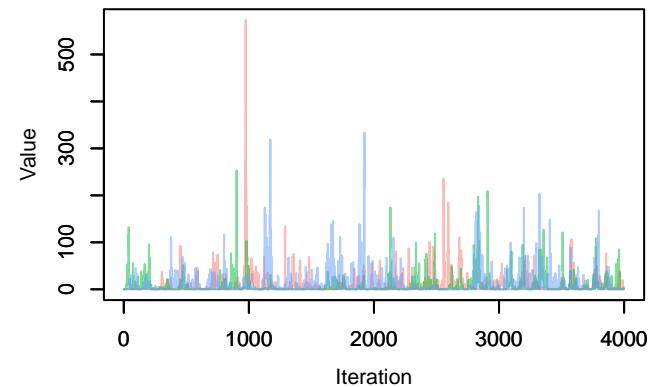
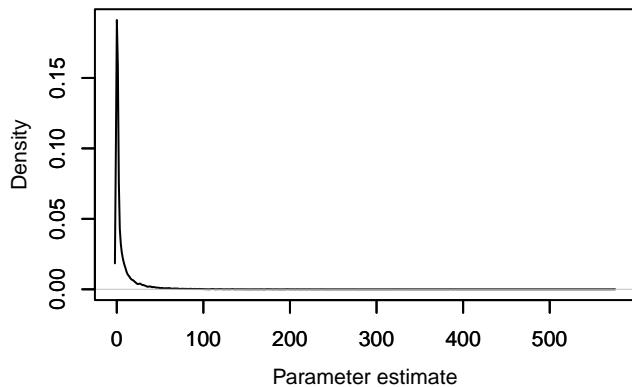
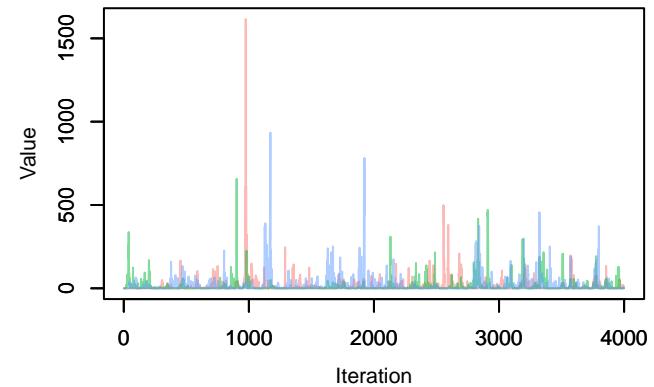
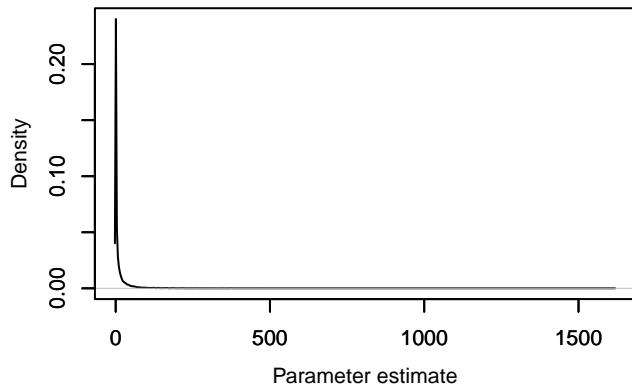
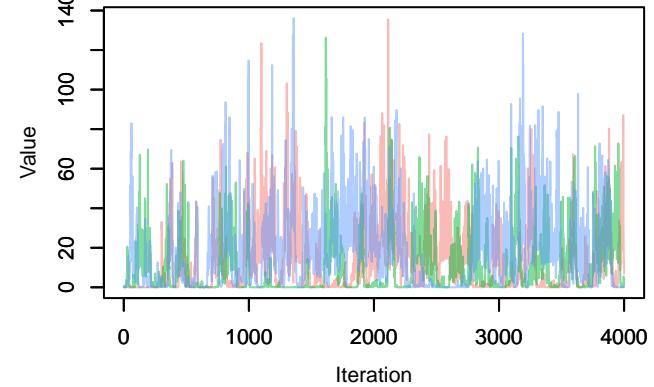
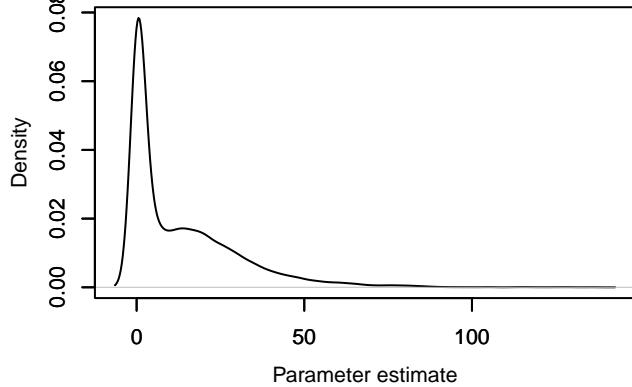


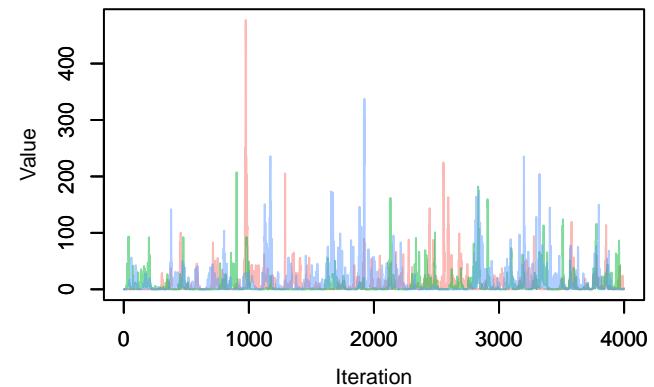
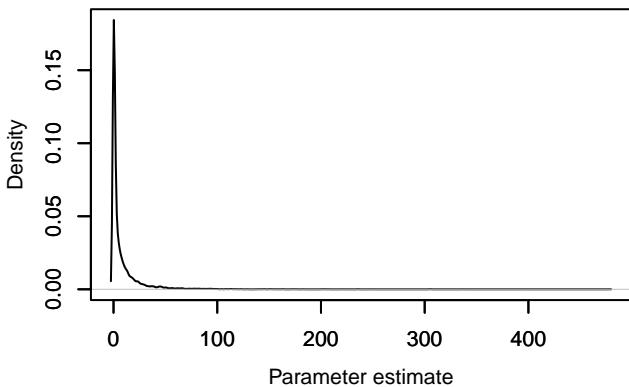
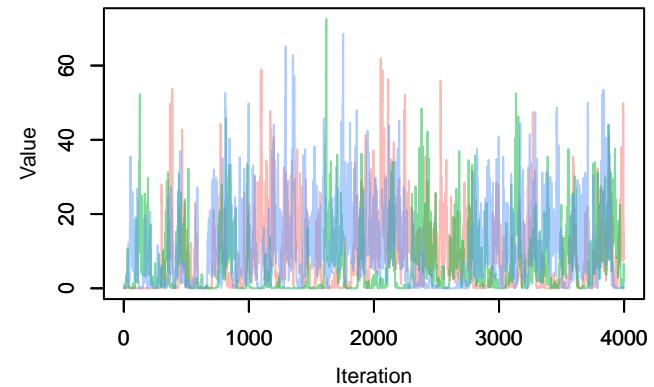
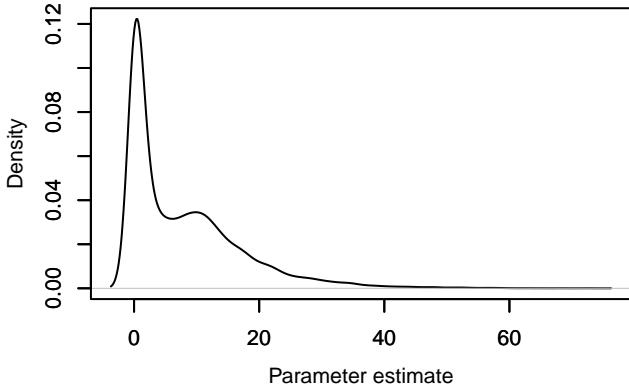
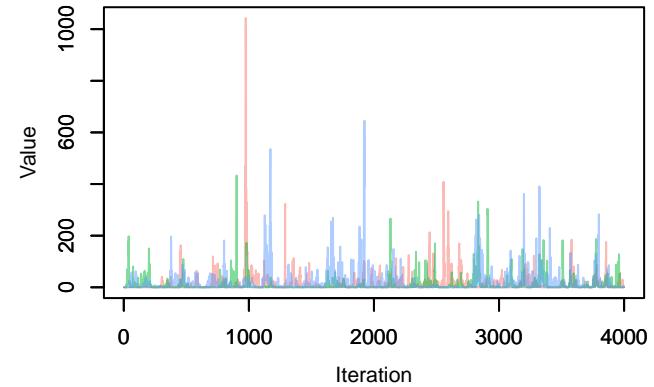
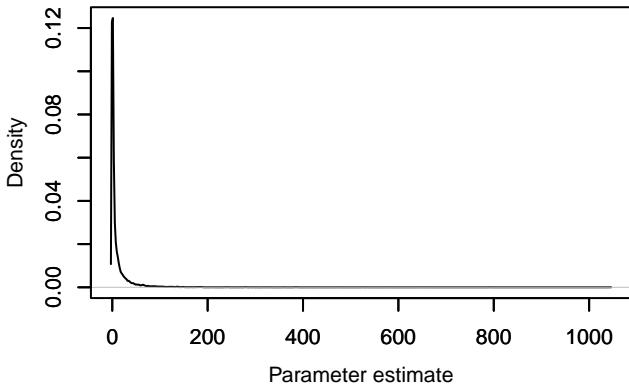
Density – lambda\_pred[12]

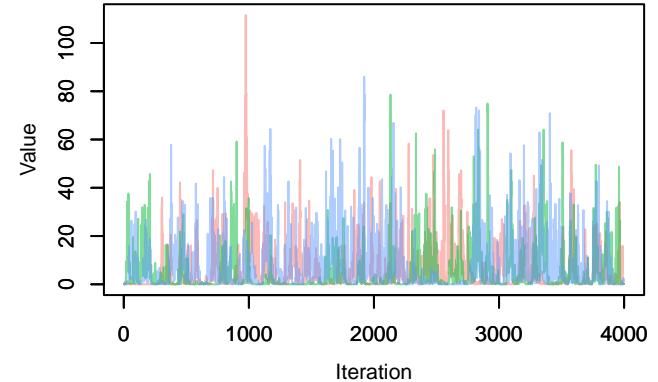
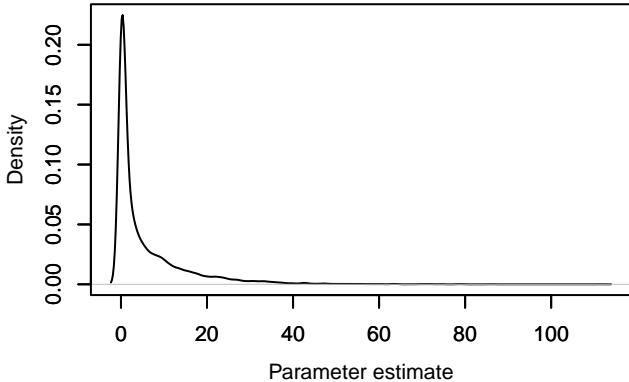
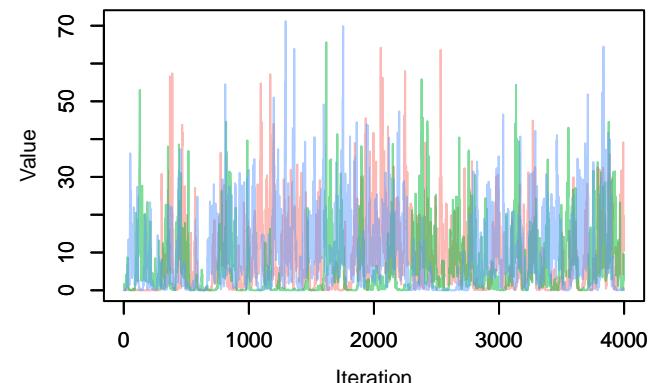
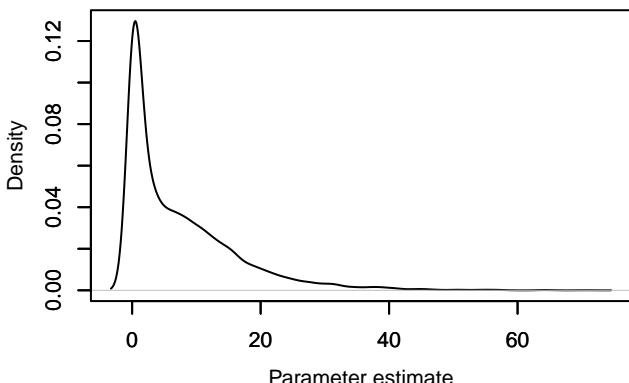
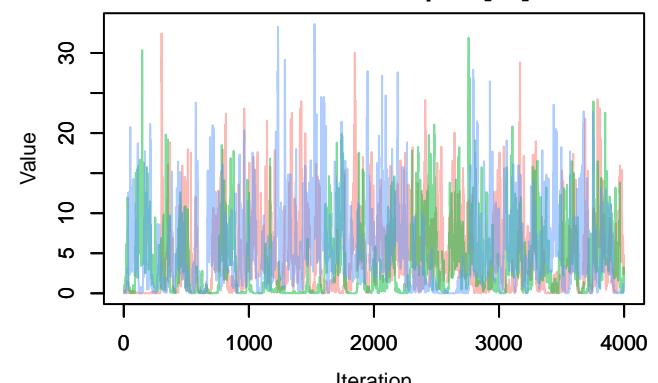
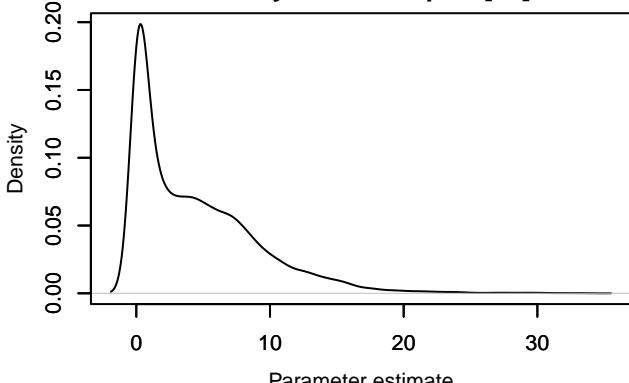


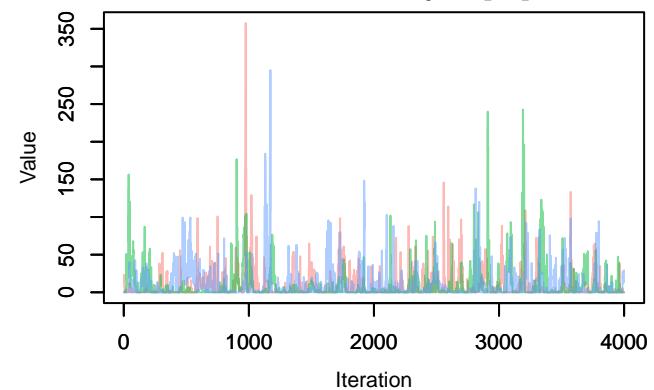
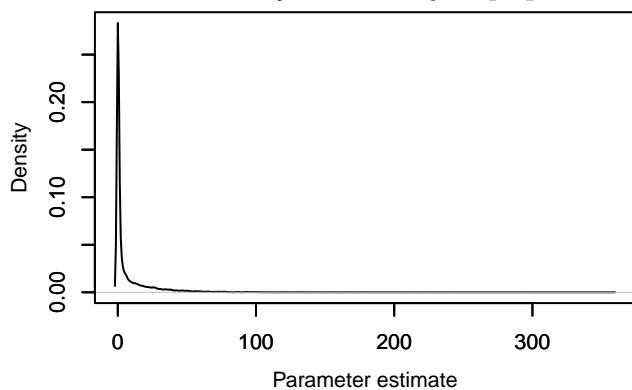
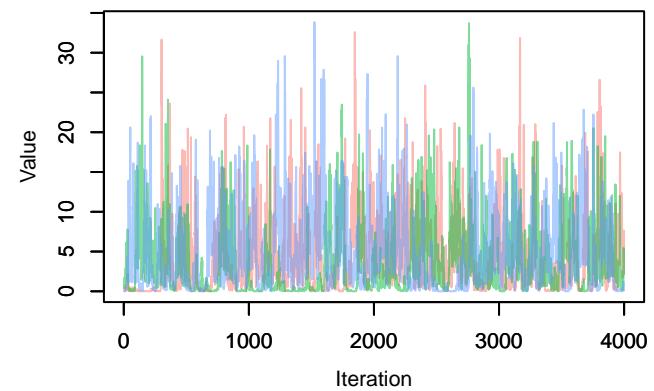
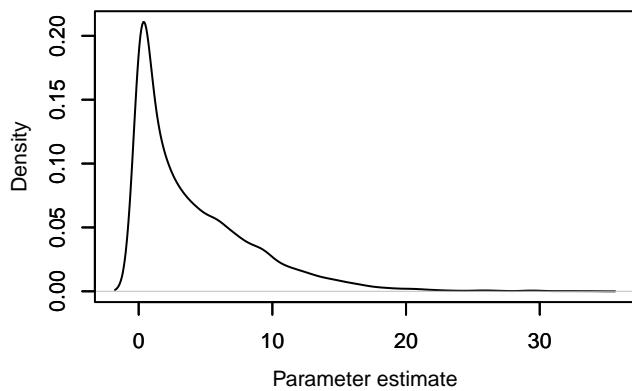
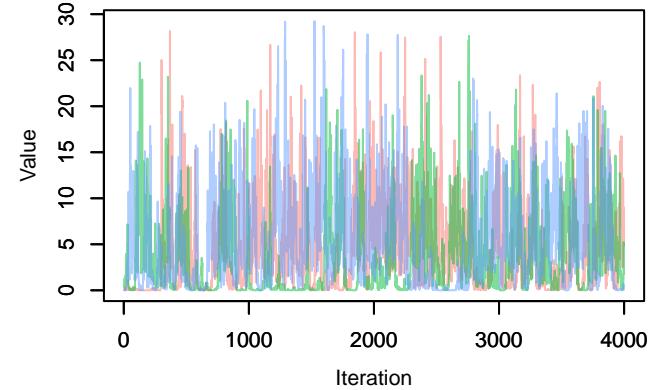
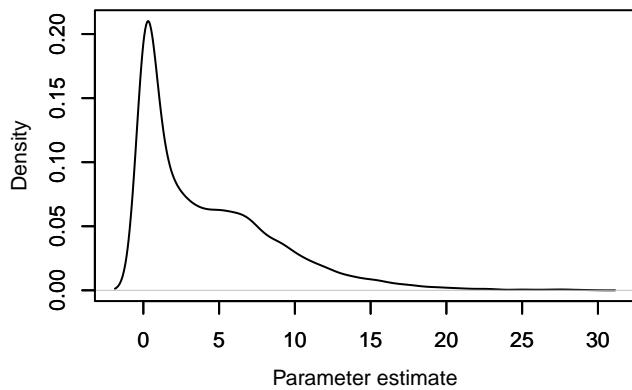
**Trace – lambda\_pred[13]****Density – lambda\_pred[13]****Trace – lambda\_pred[14]****Density – lambda\_pred[14]****Trace – lambda\_pred[15]****Density – lambda\_pred[15]**

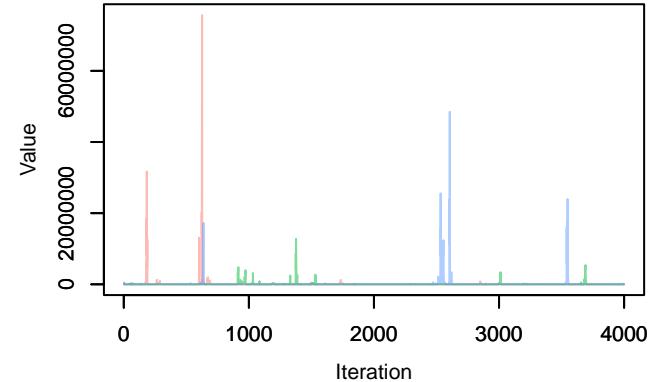
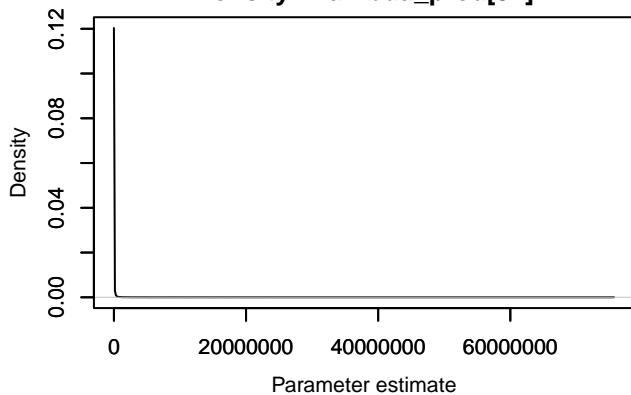
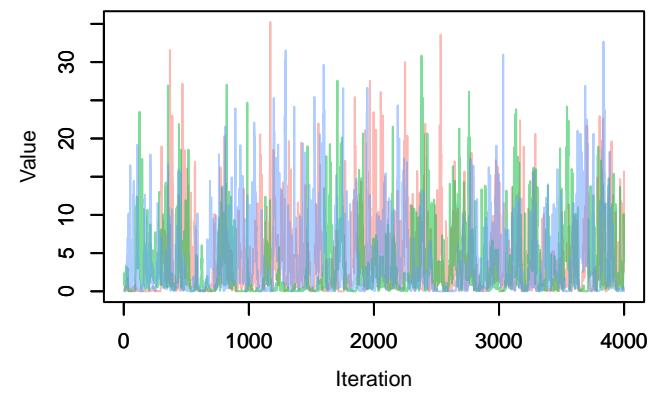
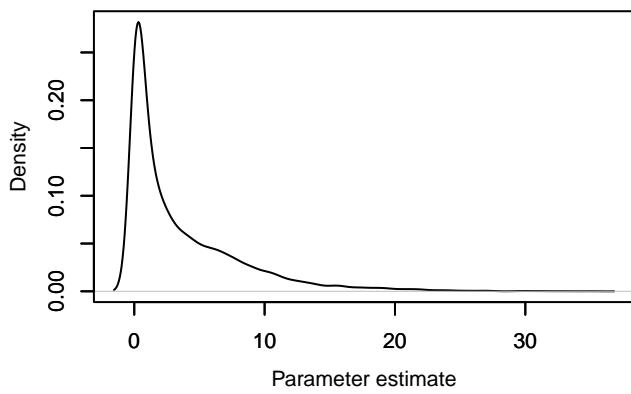
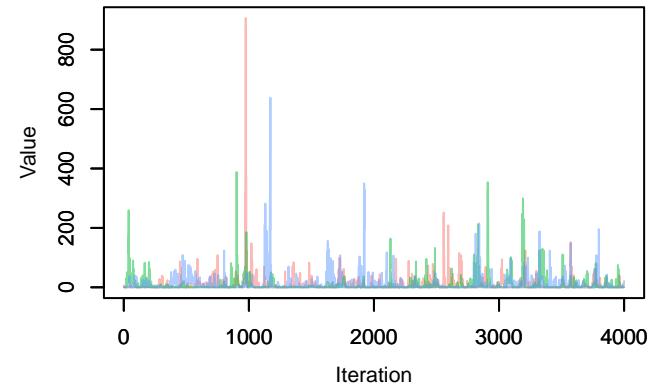
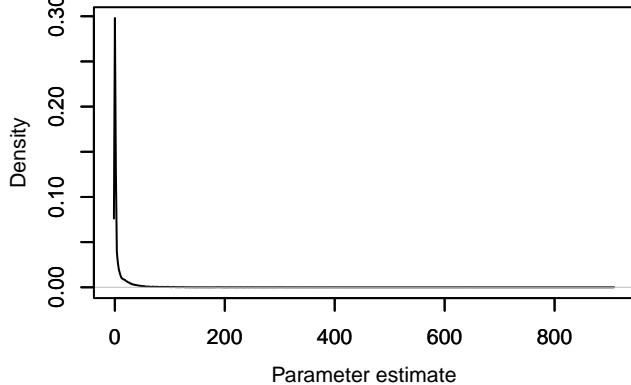
**Trace – lambda\_pred[16]****Density – lambda\_pred[16]****Trace – lambda\_pred[17]****Density – lambda\_pred[17]****Trace – lambda\_pred[18]****Density – lambda\_pred[18]**

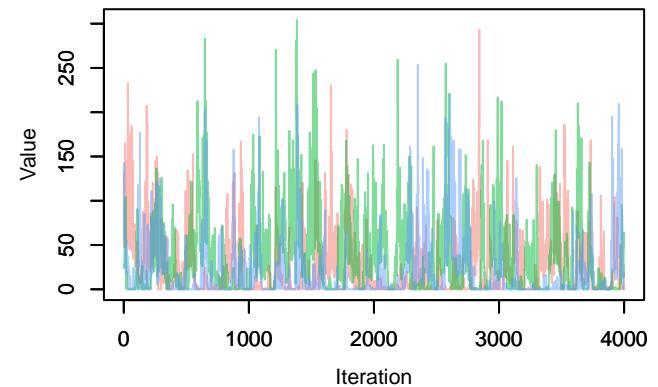
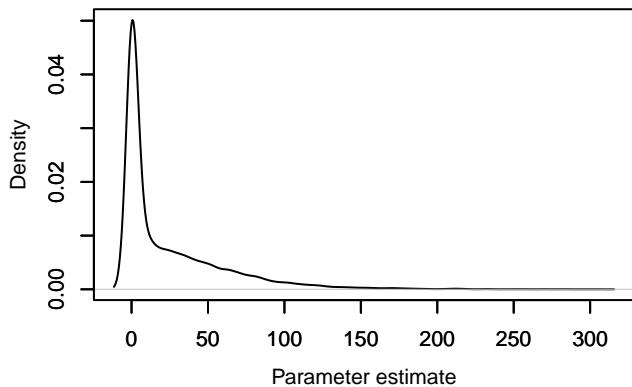
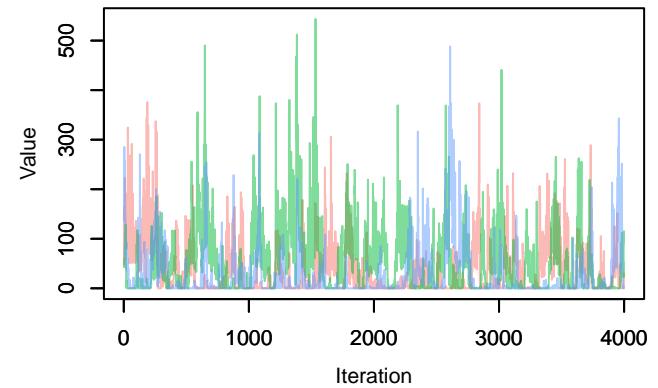
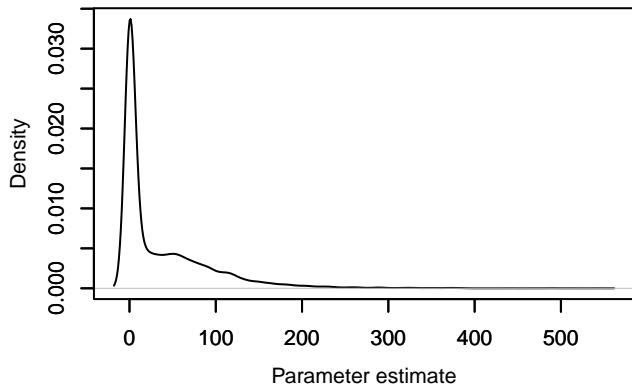
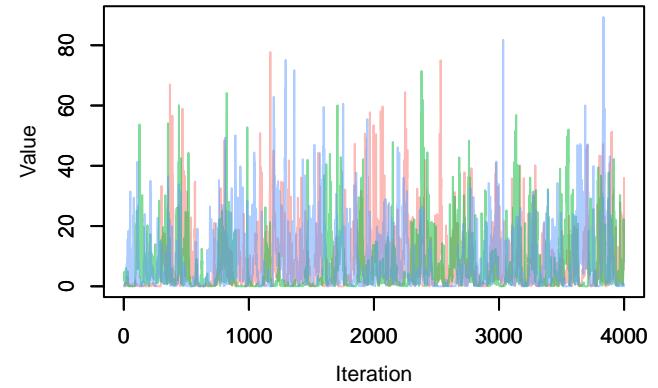
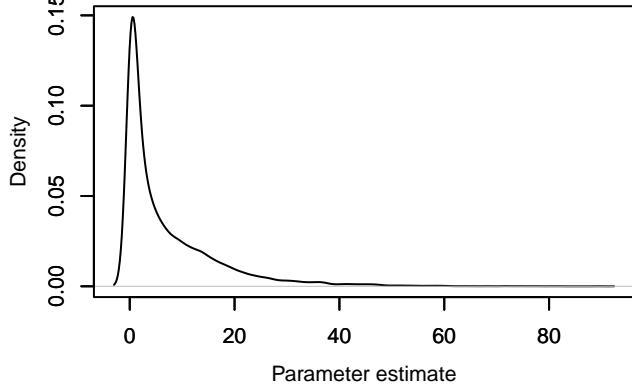
**Trace – lambda\_pred[19]****Density – lambda\_pred[19]****Trace – lambda\_pred[20]****Density – lambda\_pred[20]****Trace – lambda\_pred[21]****Density – lambda\_pred[21]**

**Trace – lambda\_pred[22]****Density – lambda\_pred[22]****Trace – lambda\_pred[23]****Density – lambda\_pred[23]****Trace – lambda\_pred[24]****Density – lambda\_pred[24]**

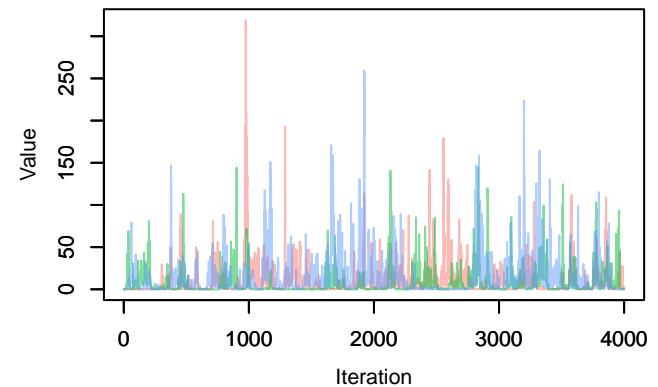
**Trace – lambda\_pred[25]****Density – lambda\_pred[25]****Trace – lambda\_pred[26]****Density – lambda\_pred[26]****Trace – lambda\_pred[27]****Density – lambda\_pred[27]**

**Trace – lambda\_pred[28]****Density – lambda\_pred[28]****Trace – lambda\_pred[29]****Density – lambda\_pred[29]****Trace – lambda\_pred[30]****Density – lambda\_pred[30]**

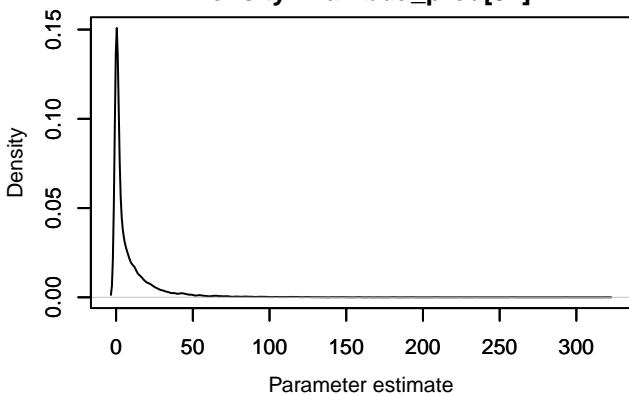
**Trace – lambda\_pred[31]****Density – lambda\_pred[31]****Trace – lambda\_pred[32]****Density – lambda\_pred[32]****Trace – lambda\_pred[33]****Density – lambda\_pred[33]**

**Trace – lambda\_pred[34]****Density – lambda\_pred[34]****Trace – lambda\_pred[35]****Density – lambda\_pred[35]****Trace – lambda\_pred[36]****Density – lambda\_pred[36]**

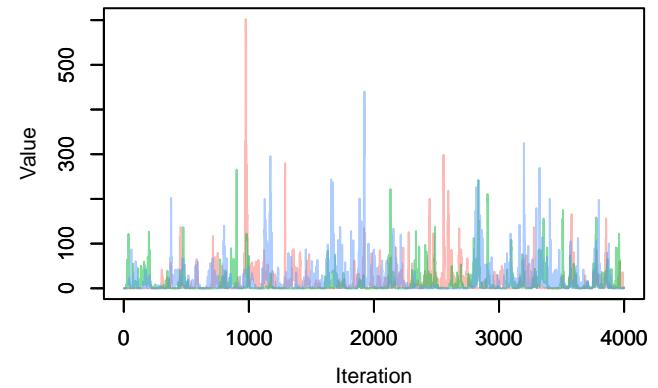
**Trace – lambda\_pred[37]**



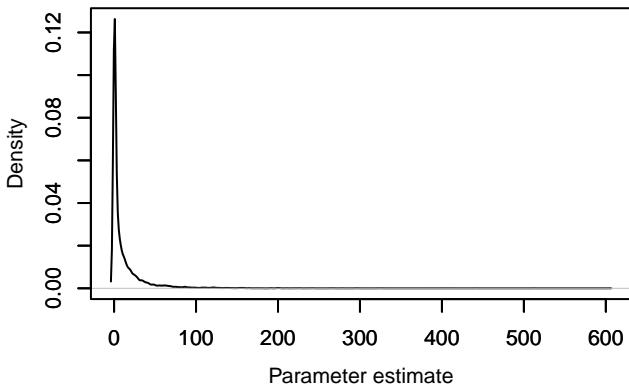
**Density – lambda\_pred[37]**



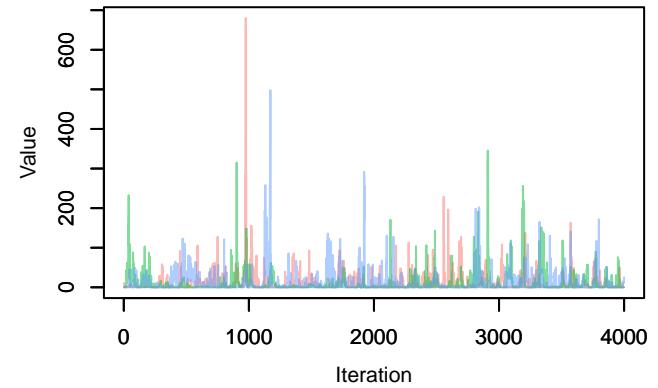
**Trace – lambda\_pred[38]**



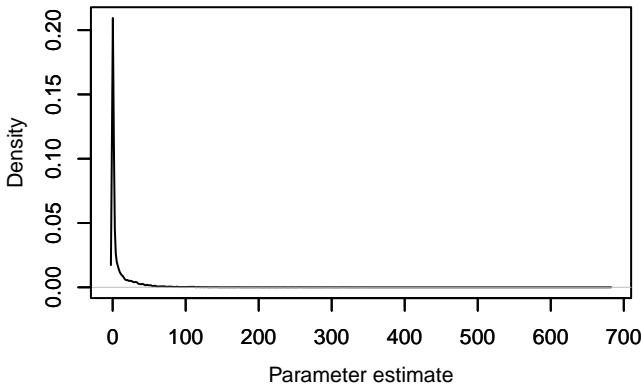
**Density – lambda\_pred[38]**

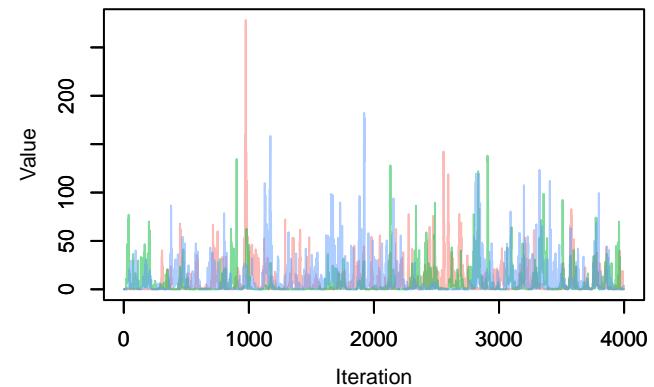
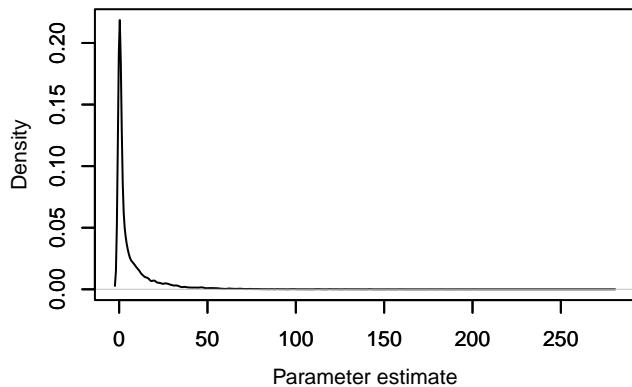
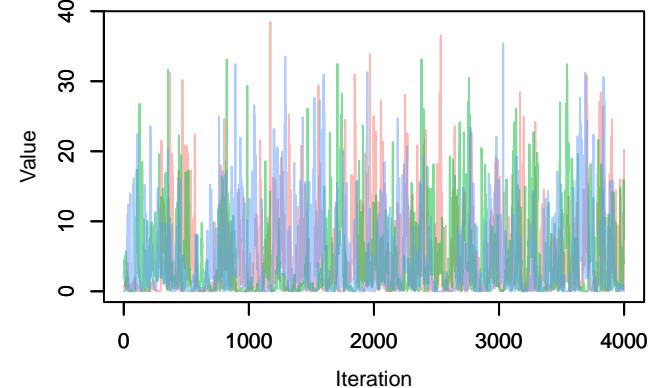
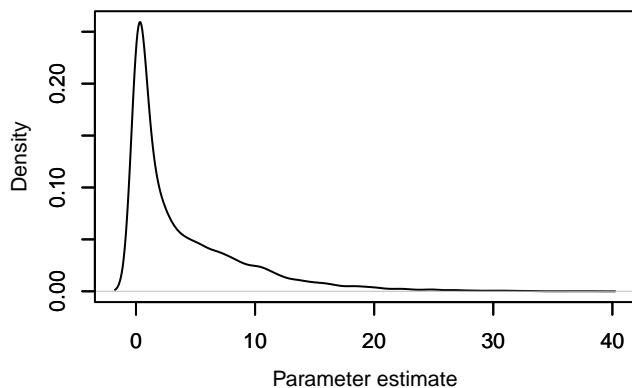
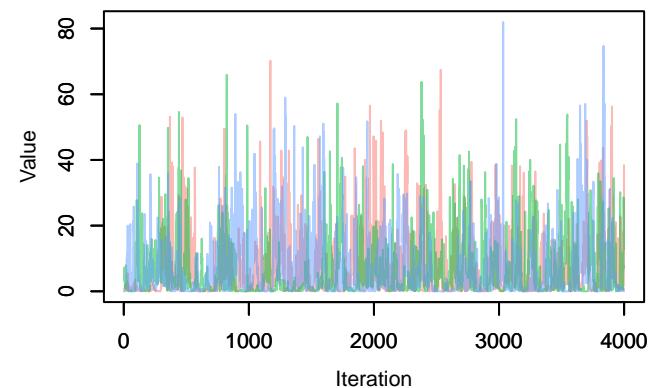
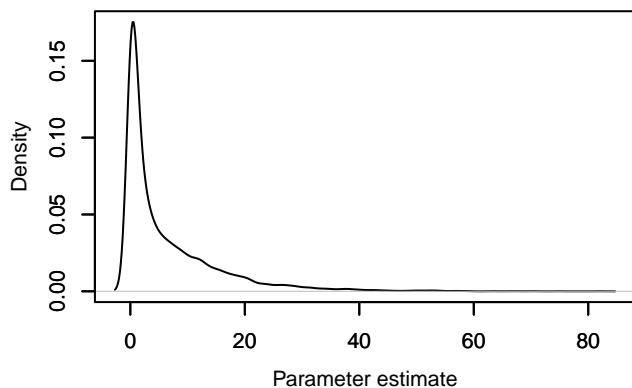


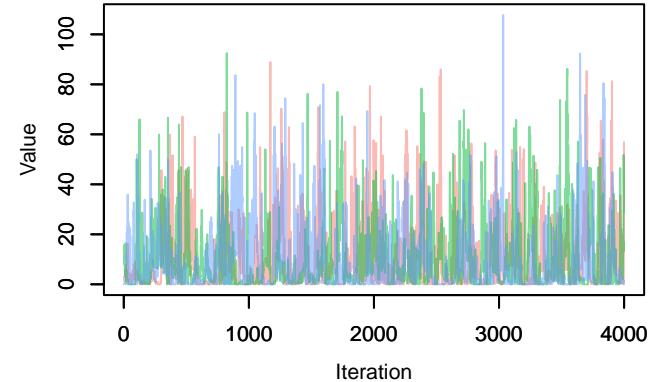
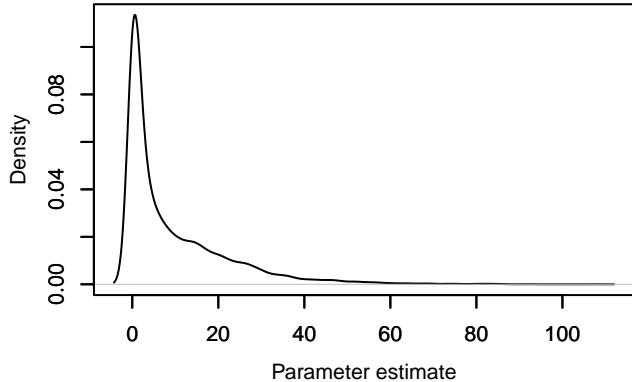
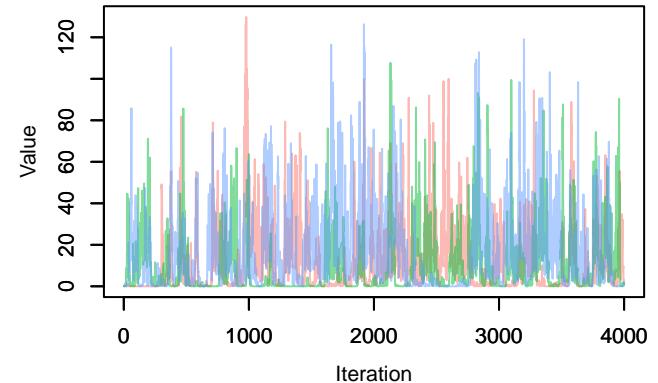
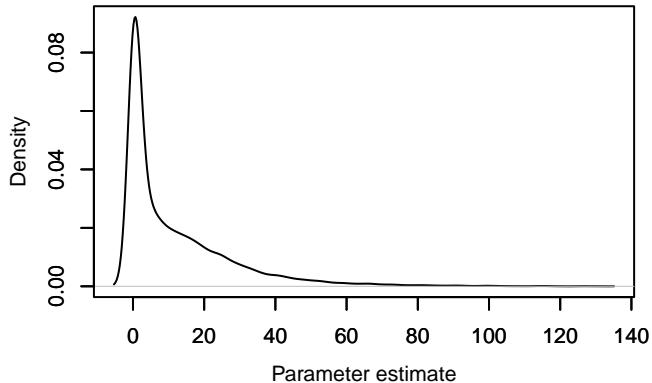
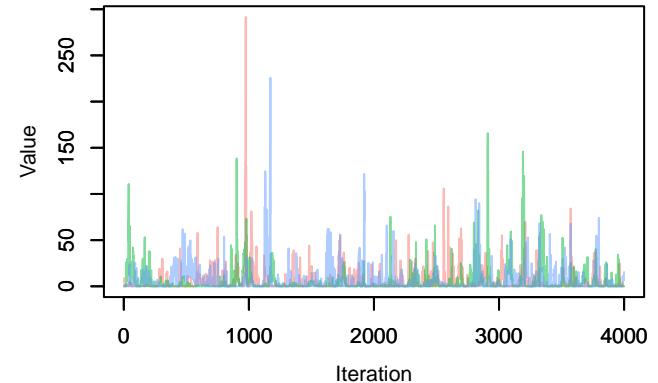
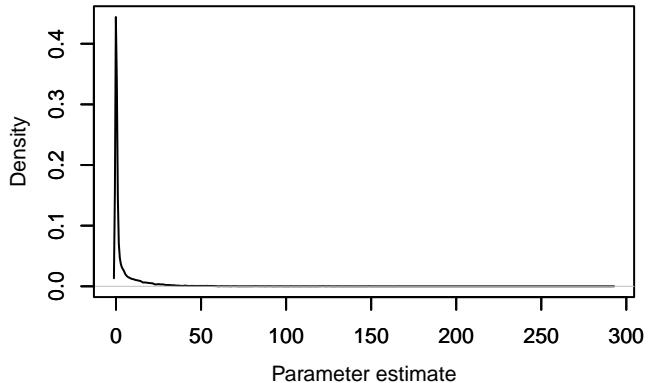
**Trace – lambda\_pred[39]**

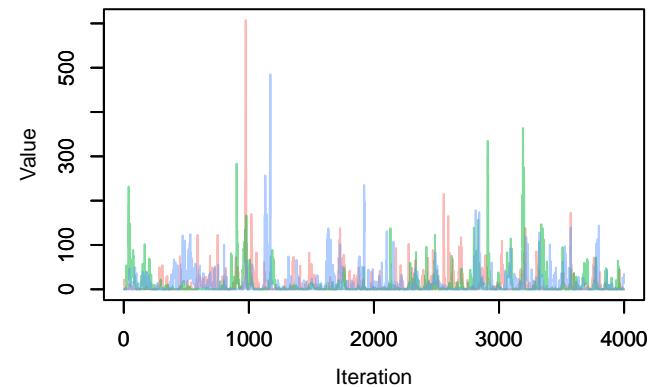
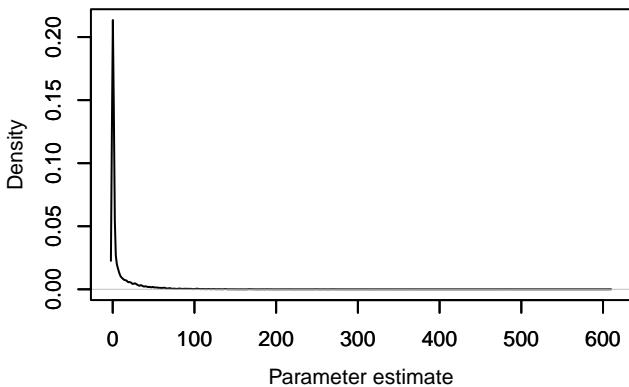
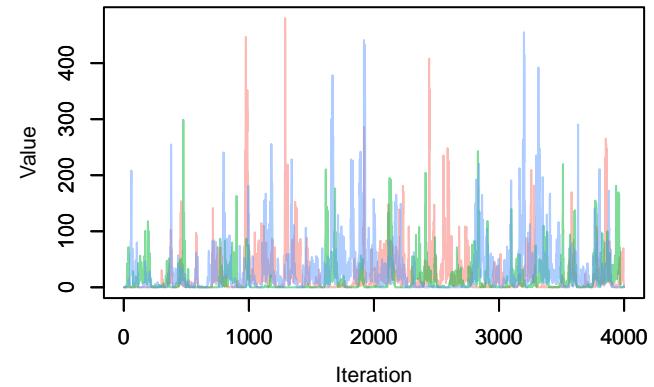
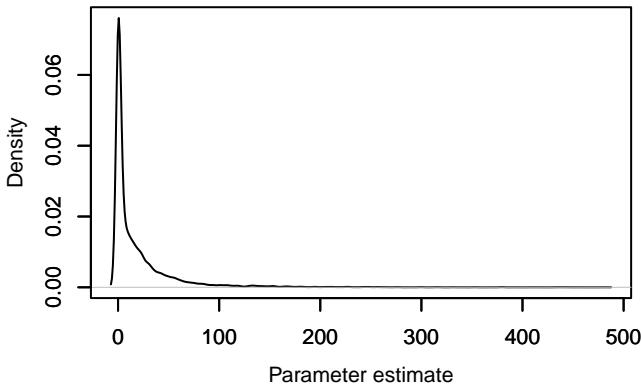
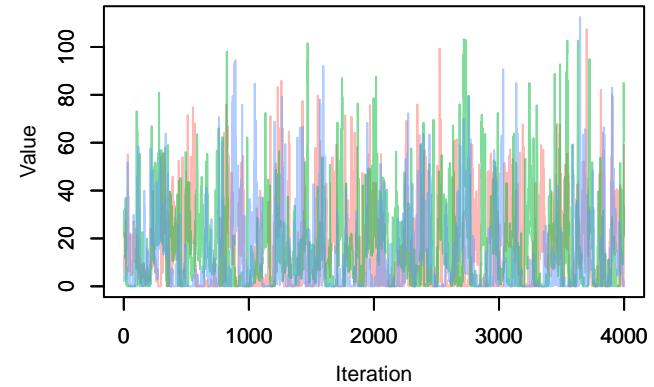
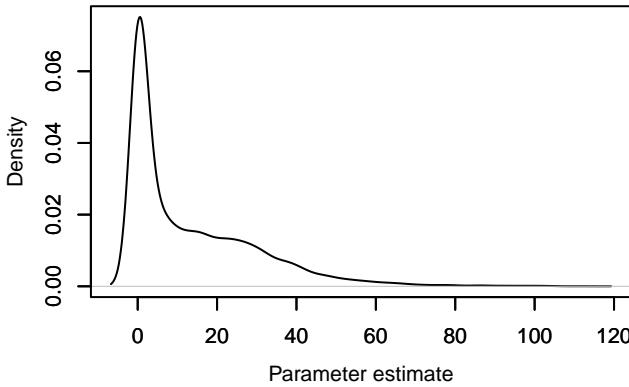


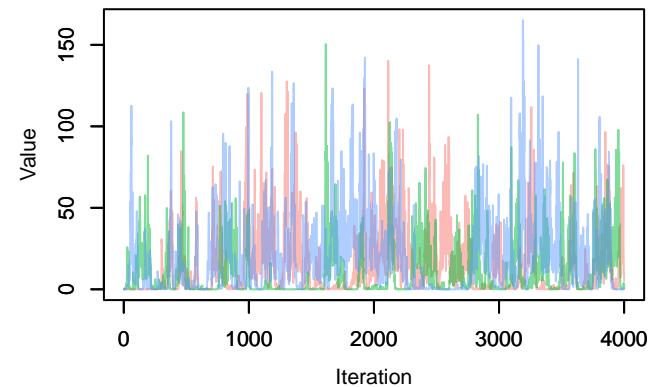
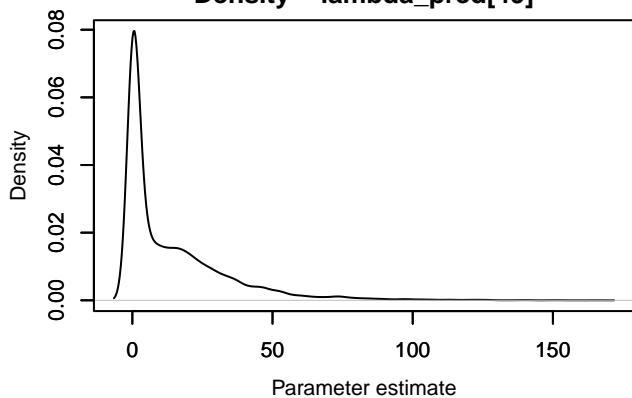
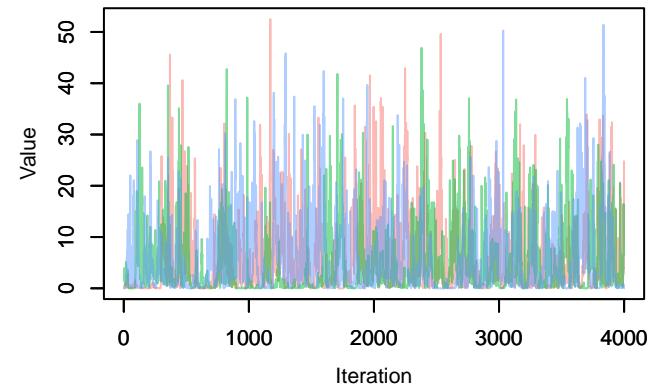
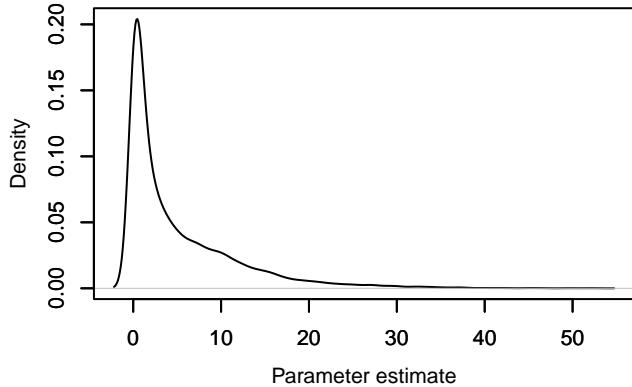
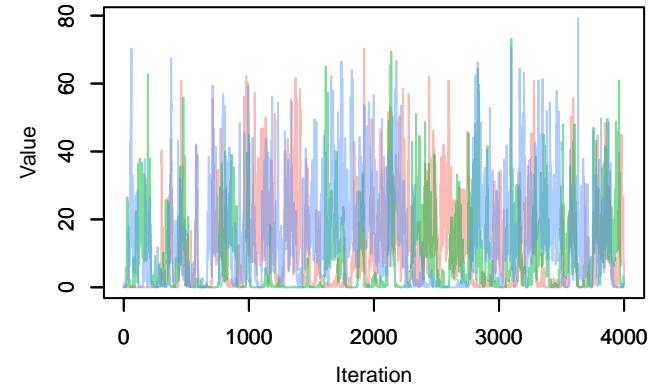
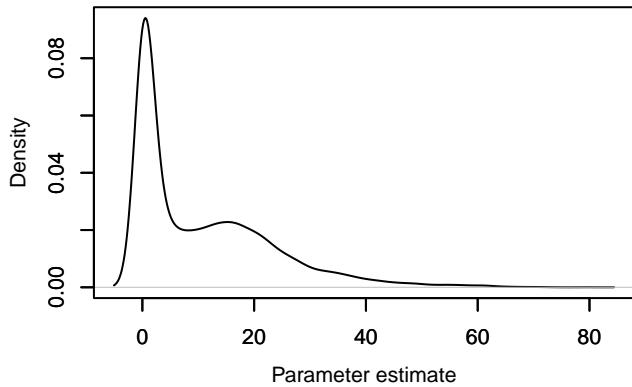
**Density – lambda\_pred[39]**

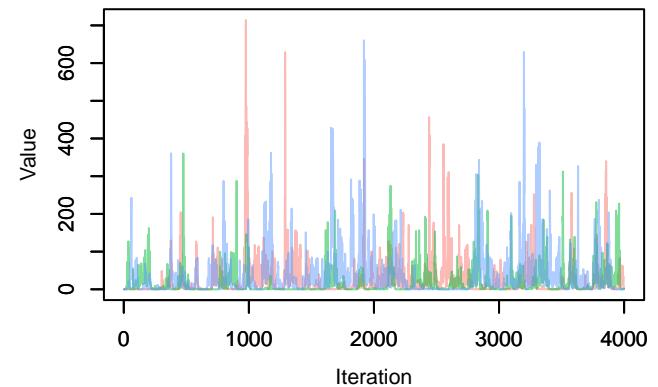
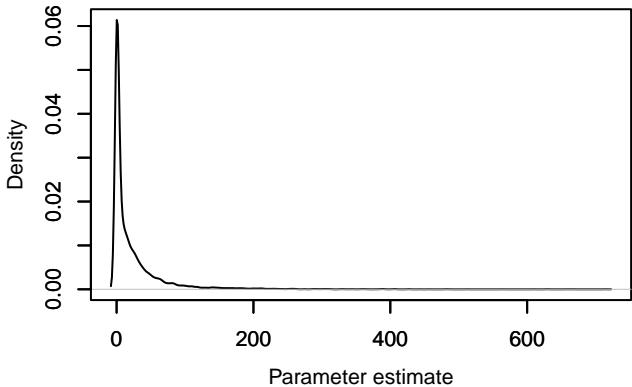
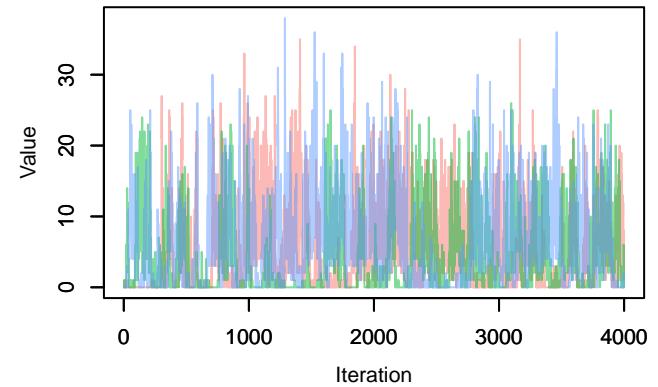
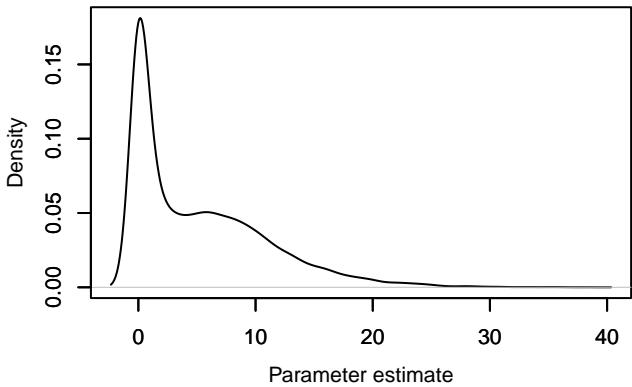
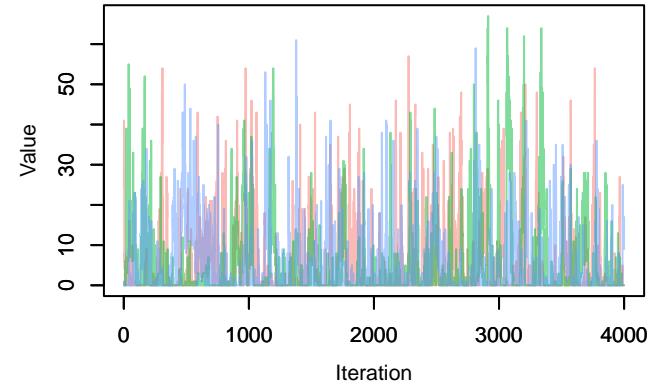
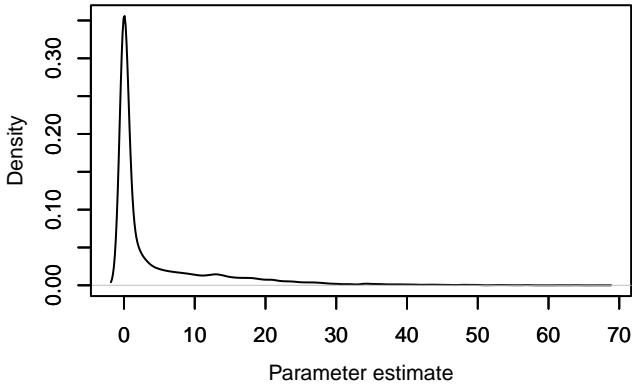


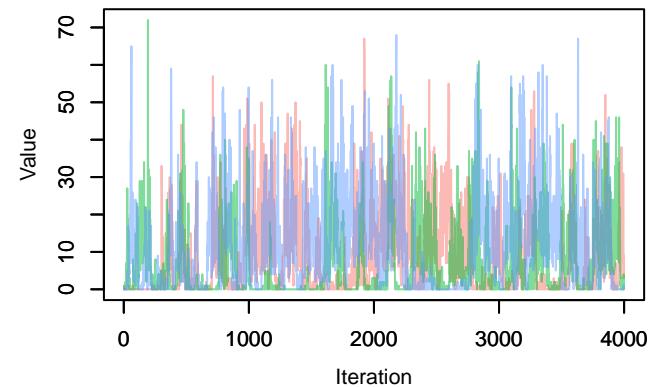
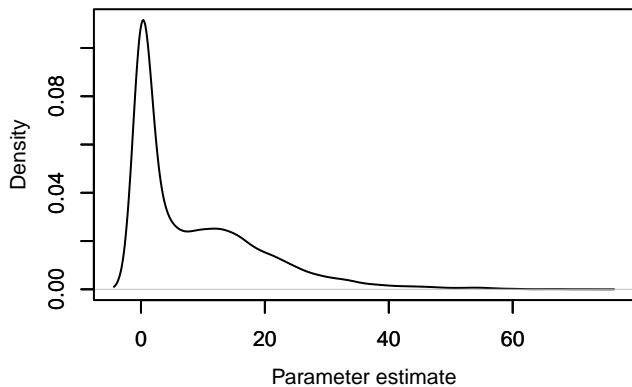
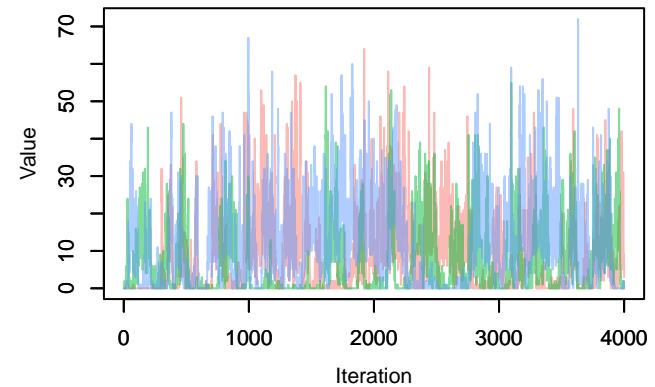
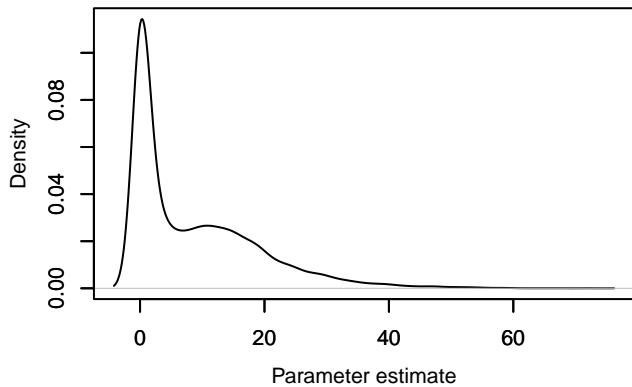
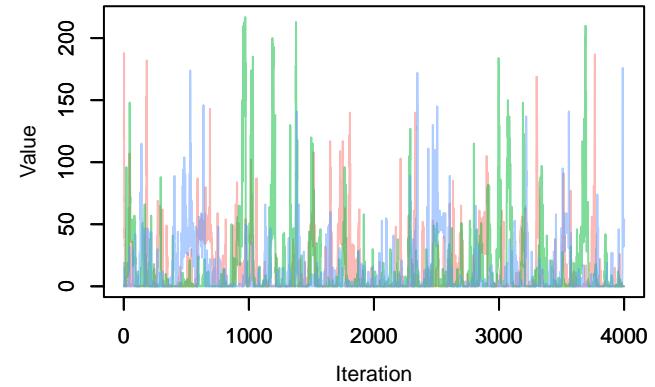
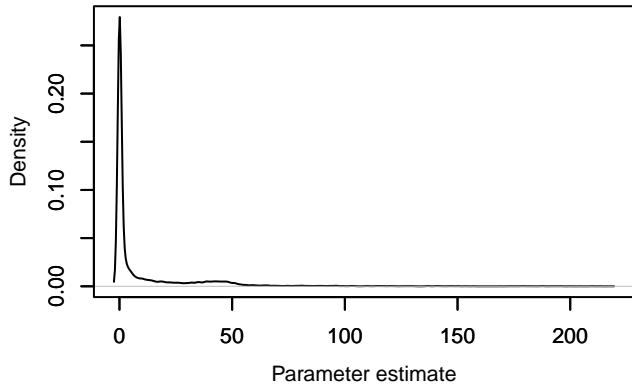
**Trace – lambda\_pred[40]****Density – lambda\_pred[40]****Trace – lambda\_pred[41]****Density – lambda\_pred[41]****Trace – lambda\_pred[42]****Density – lambda\_pred[42]**

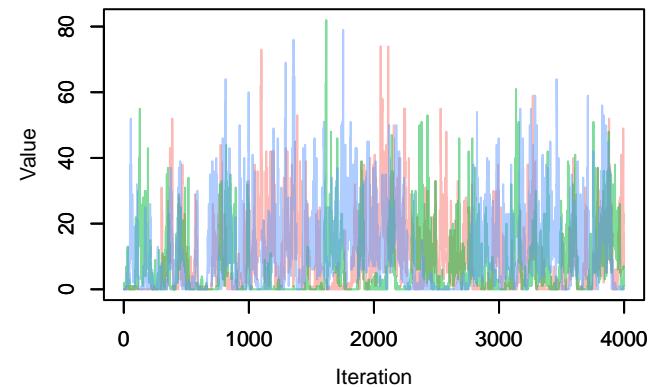
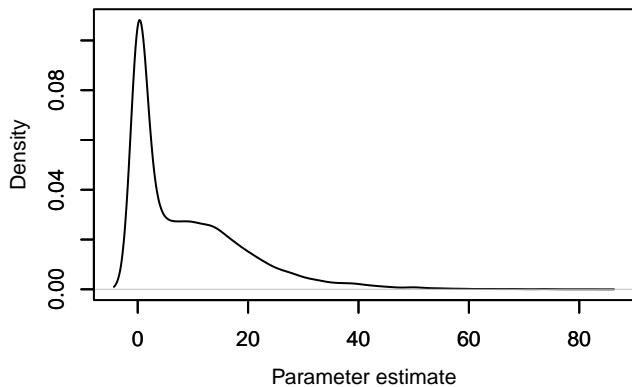
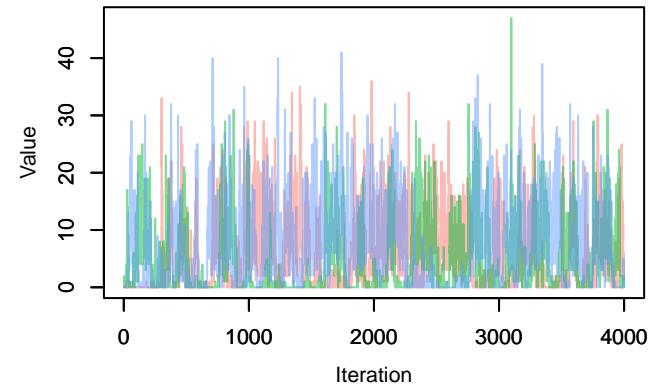
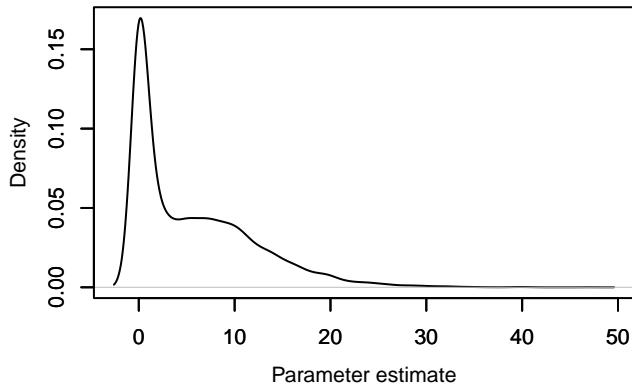
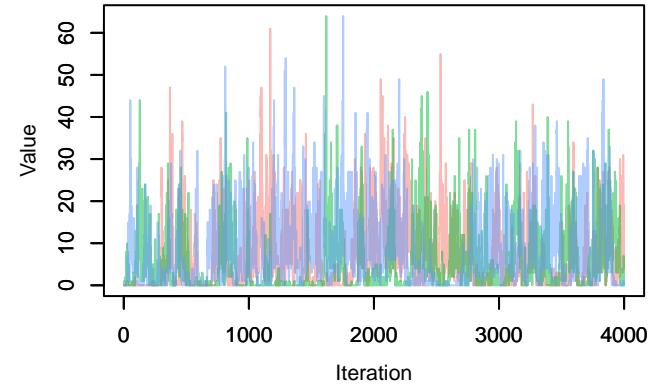
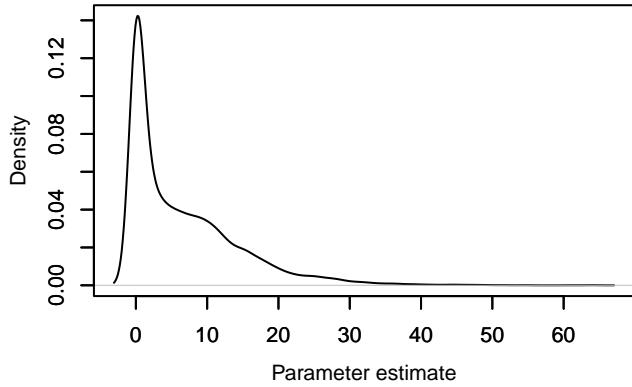
**Trace – lambda\_pred[43]****Density – lambda\_pred[43]****Trace – lambda\_pred[44]****Density – lambda\_pred[44]****Trace – lambda\_pred[45]****Density – lambda\_pred[45]**

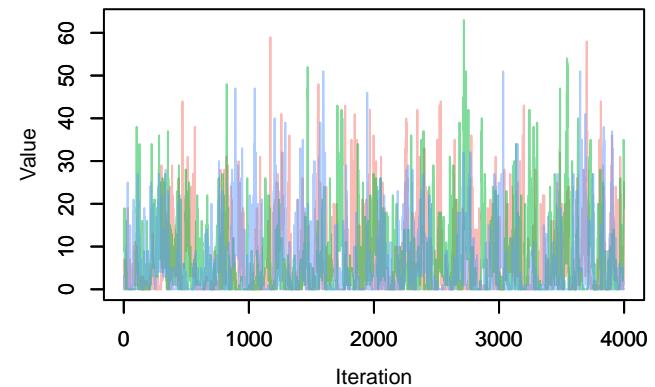
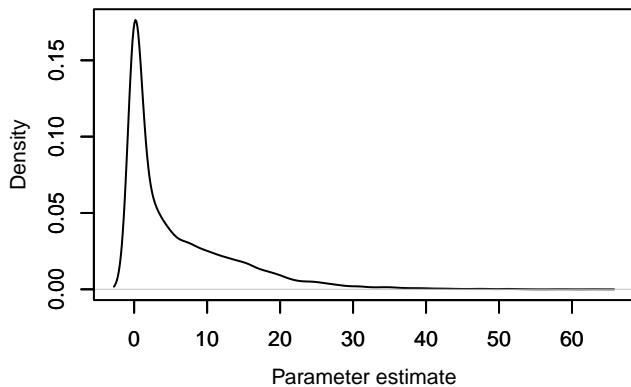
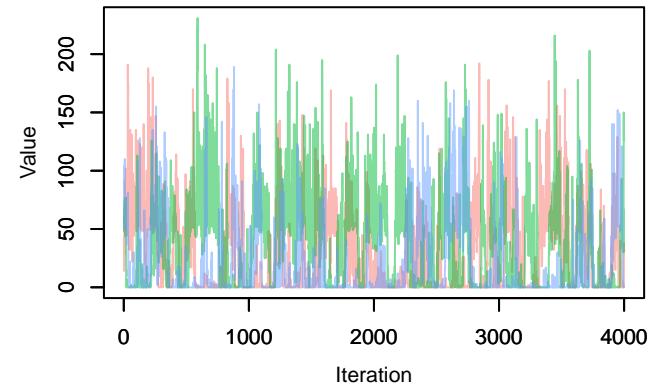
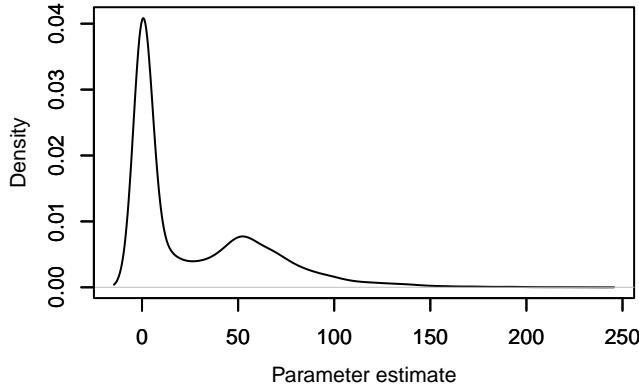
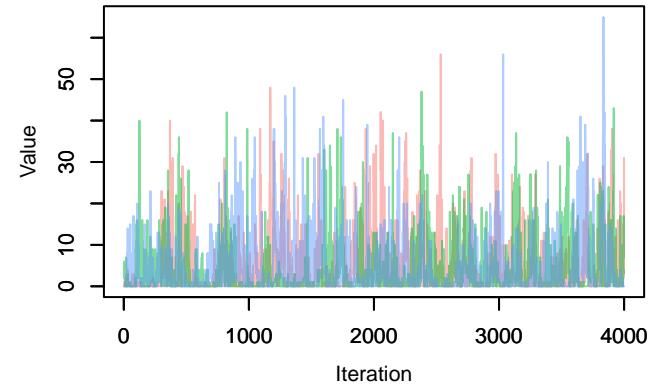
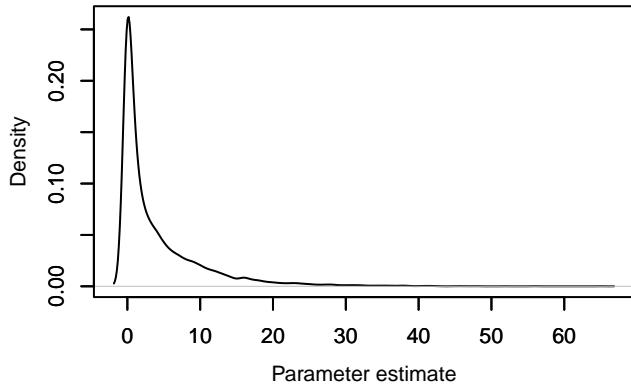
**Trace – lambda\_pred[46]****Density – lambda\_pred[46]****Trace – lambda\_pred[47]****Density – lambda\_pred[47]****Trace – lambda\_pred[48]****Density – lambda\_pred[48]**

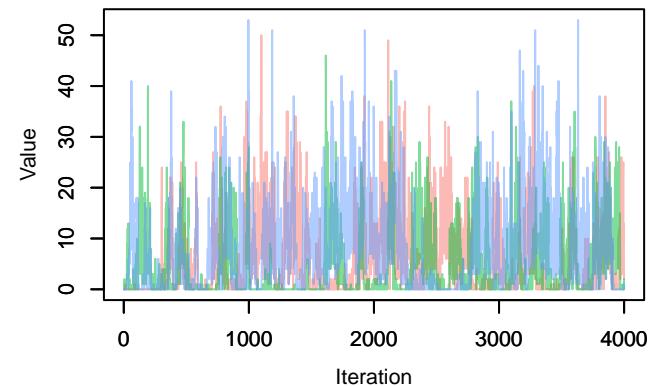
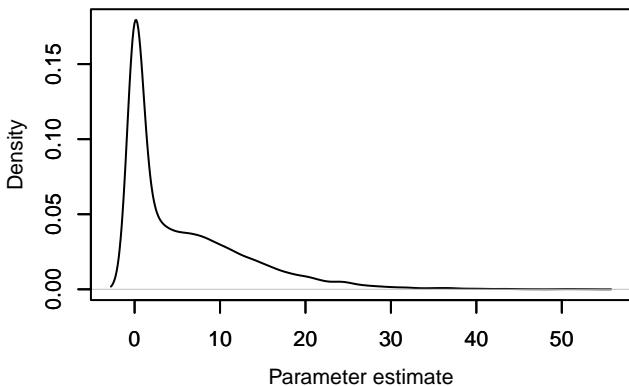
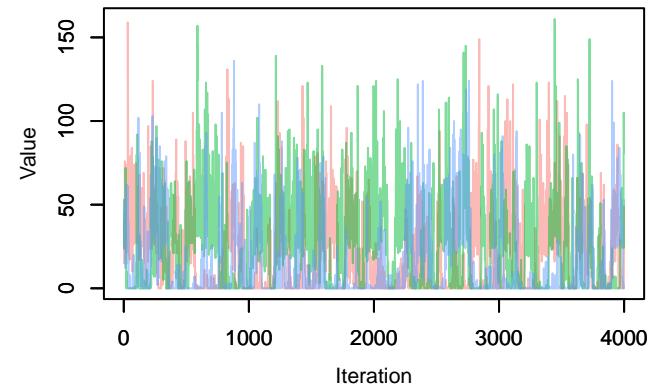
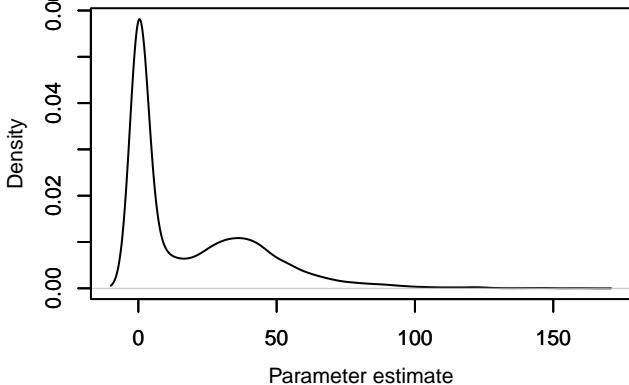
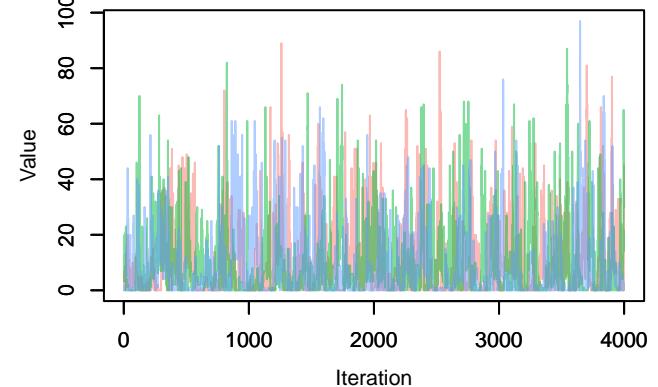
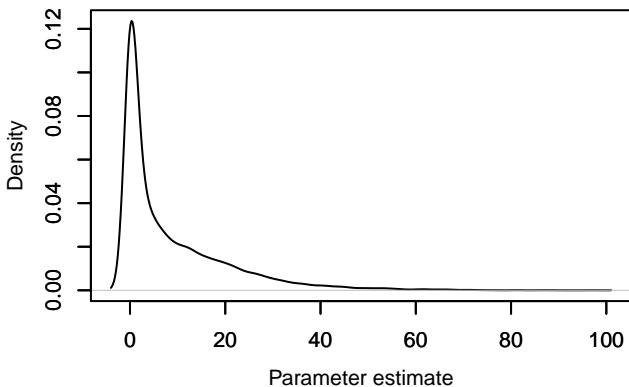
**Trace – lambda\_pred[49]****Density – lambda\_pred[49]****Trace – lambda\_pred[50]****Density – lambda\_pred[50]****Trace – lambda\_pred[51]****Density – lambda\_pred[51]**

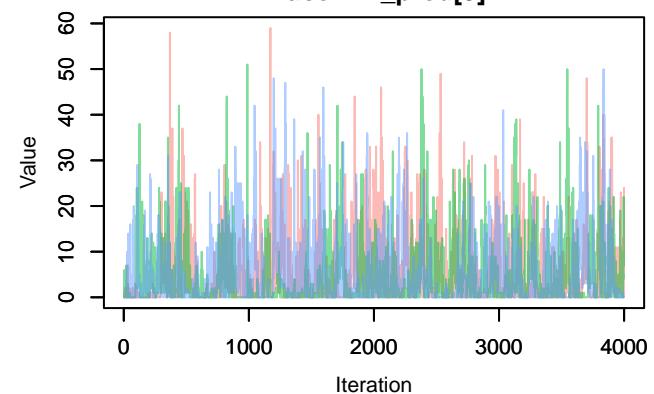
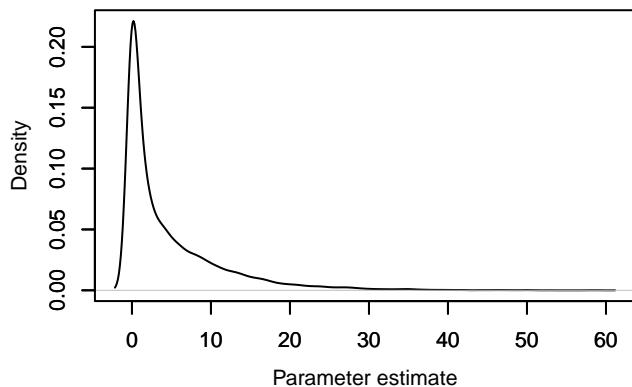
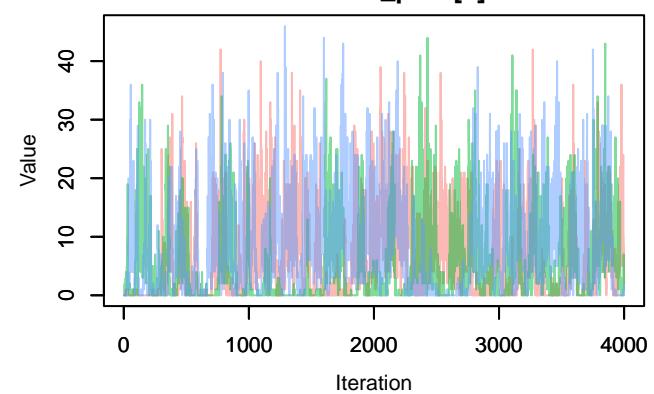
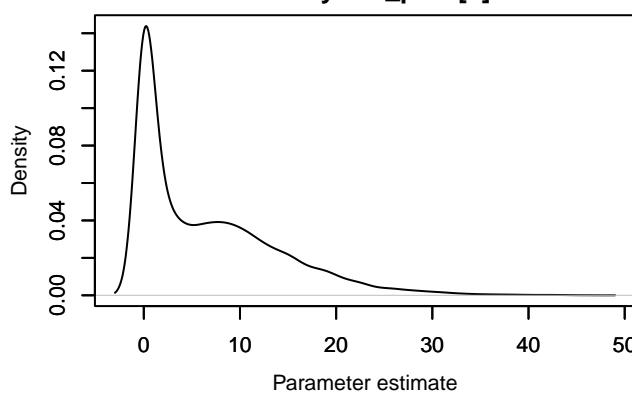
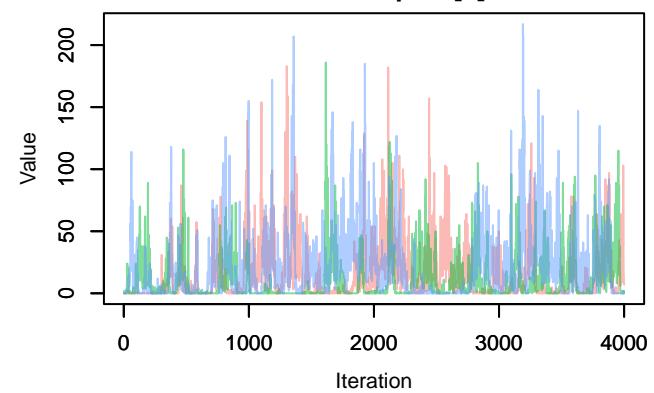
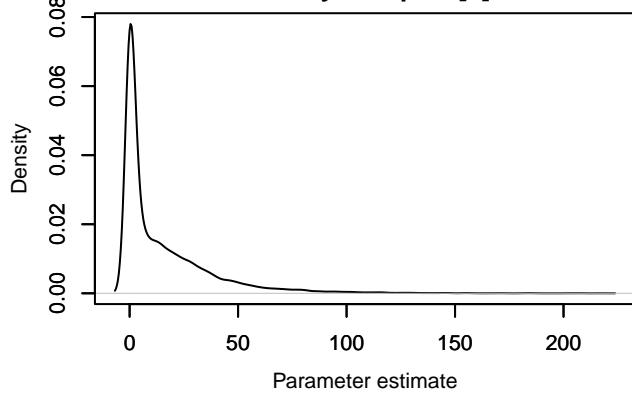
**Trace – lambda\_pred[52]****Density – lambda\_pred[52]****Trace – N[1]****Density – N[1]****Trace – N[2]****Density – N[2]**

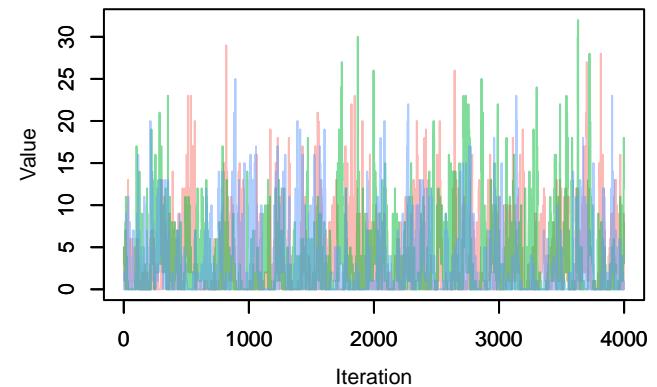
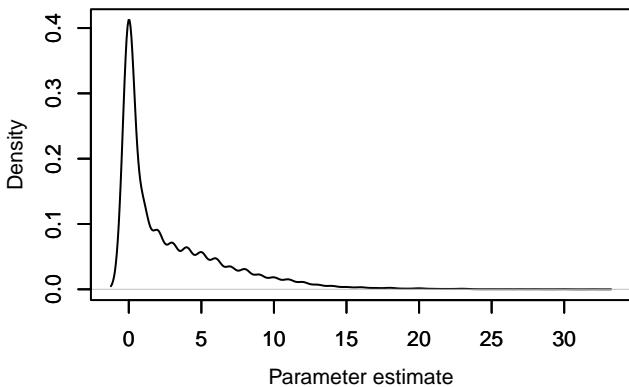
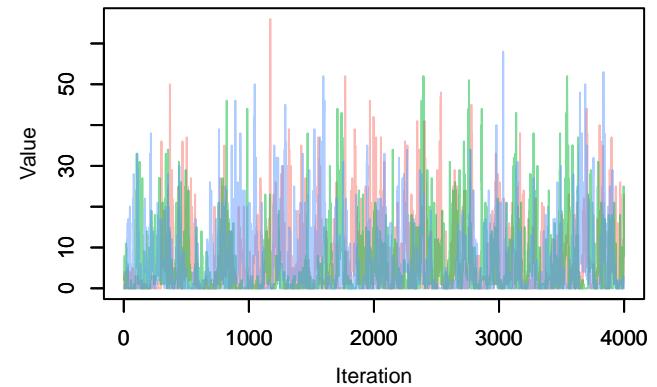
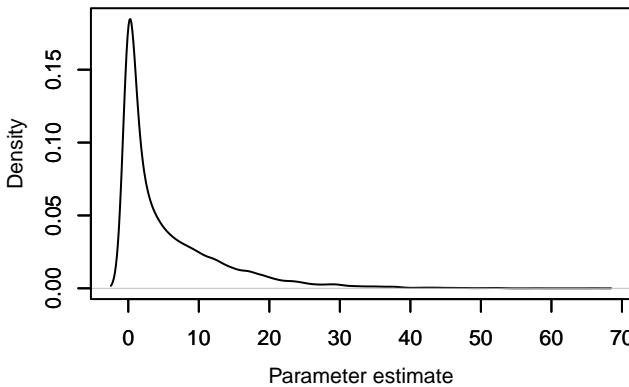
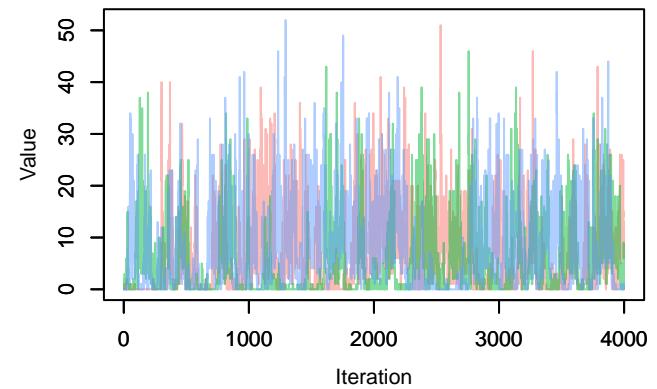
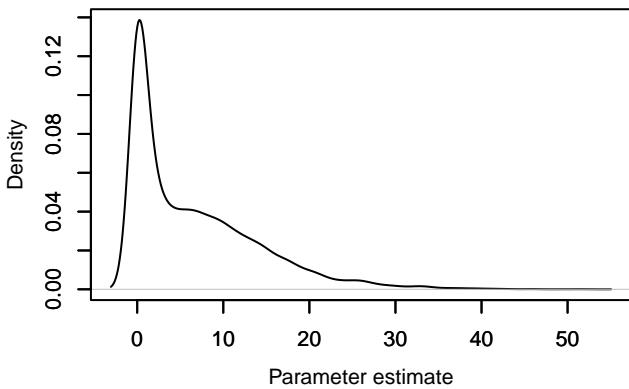
**Trace – N[3]****Density – N[3]****Trace – N[4]****Density – N[4]****Trace – N[5]****Density – N[5]**

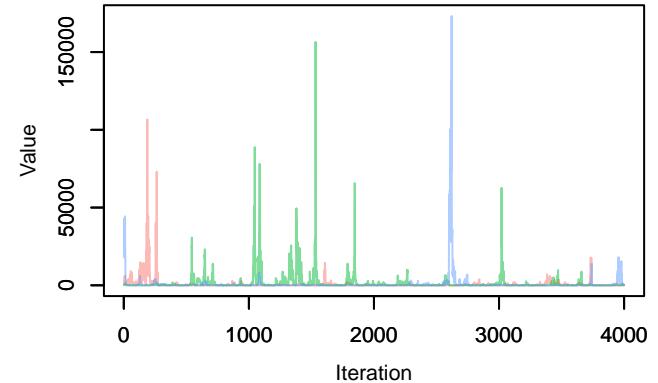
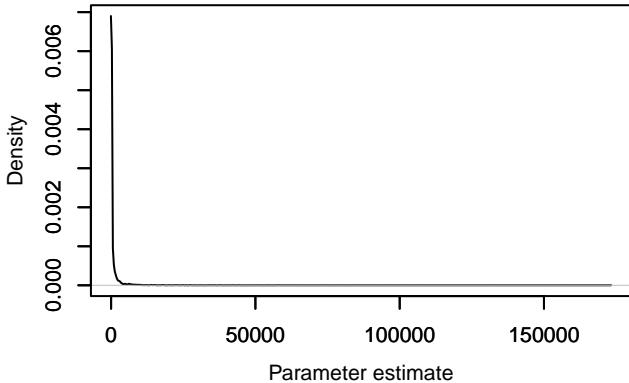
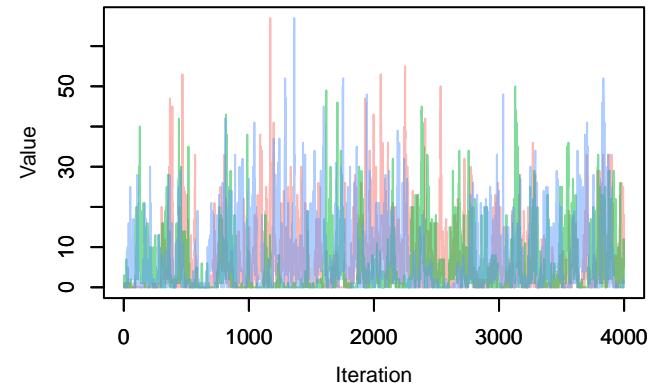
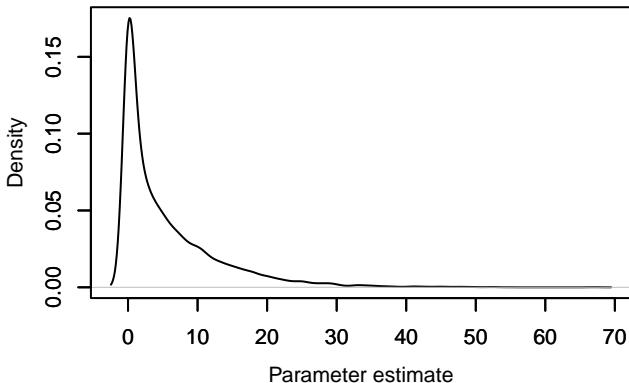
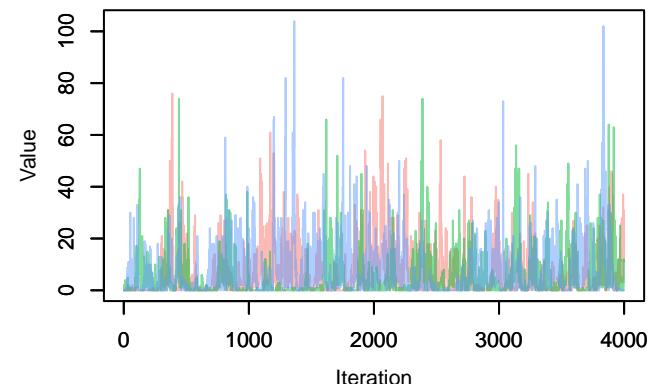
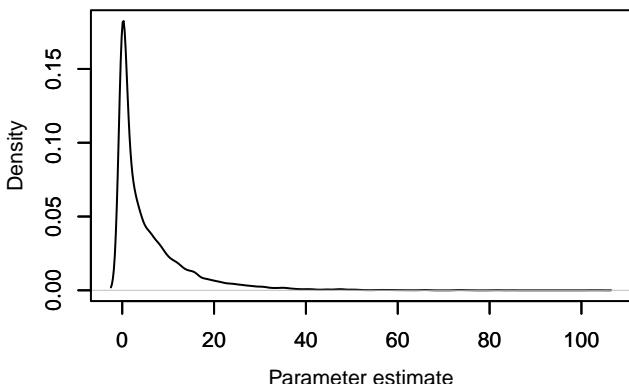
**Trace – N[6]****Density – N[6]****Trace – N[7]****Density – N[7]****Trace – N[8]****Density – N[8]**

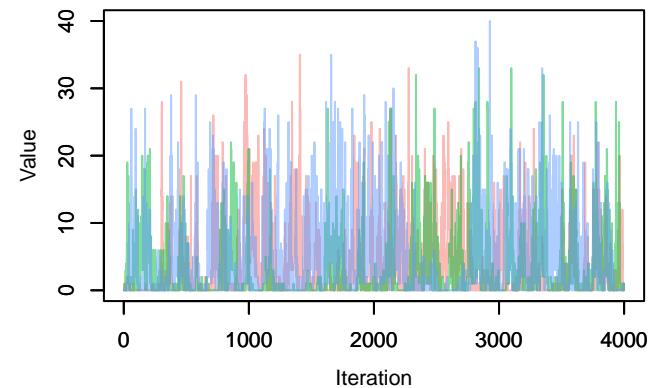
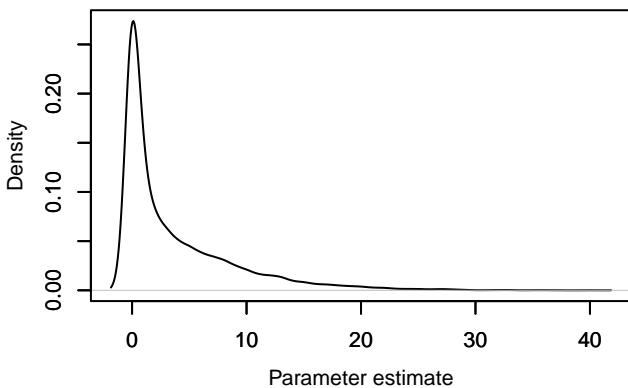
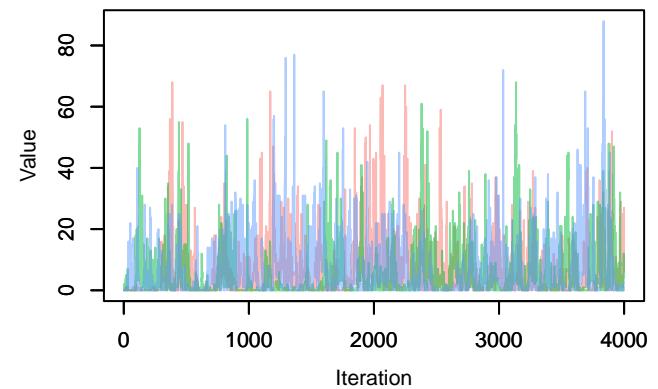
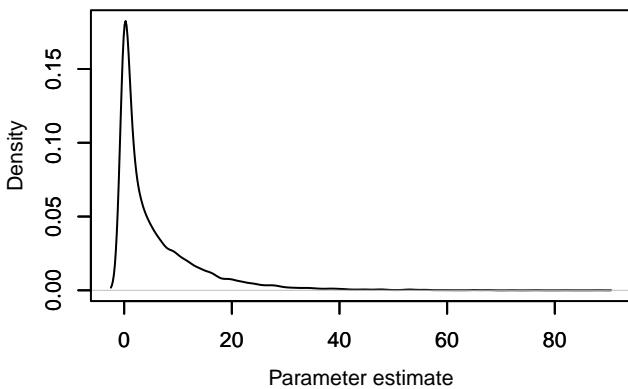
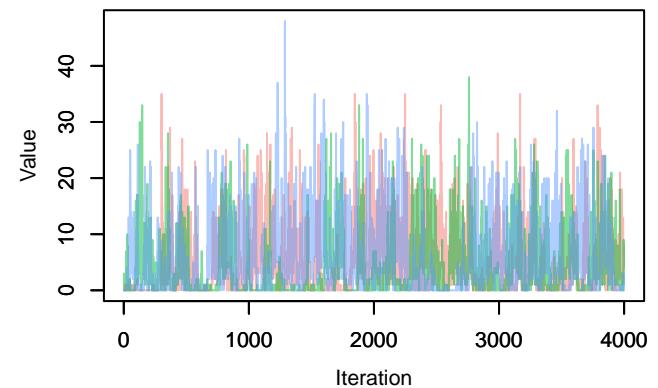
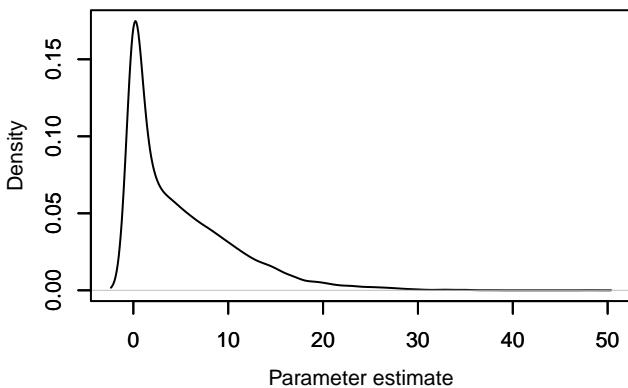
**Trace – N[9]****Density – N[9]****Trace – N[10]****Density – N[10]****Trace – N\_pred[1]****Density – N\_pred[1]**

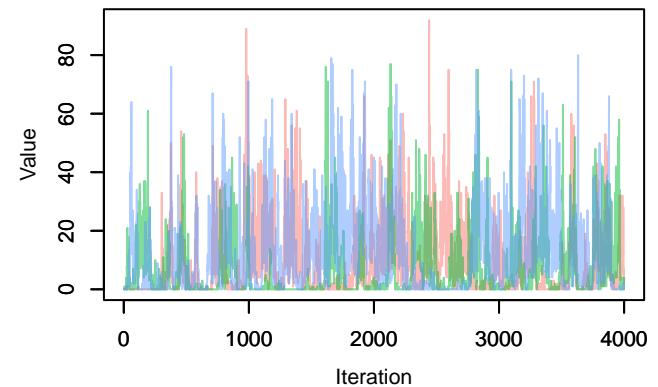
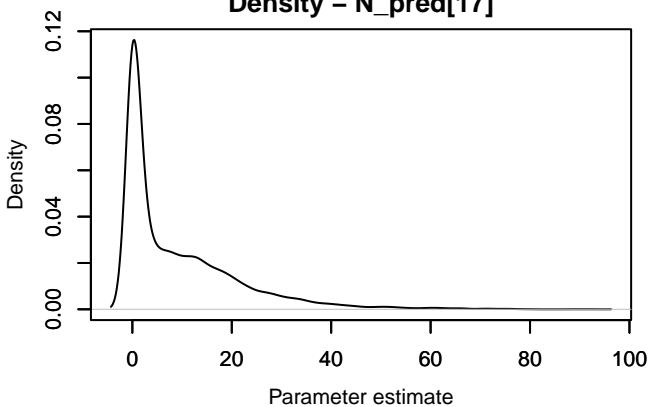
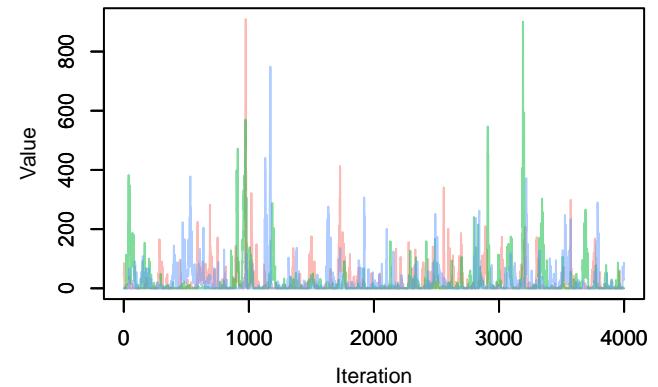
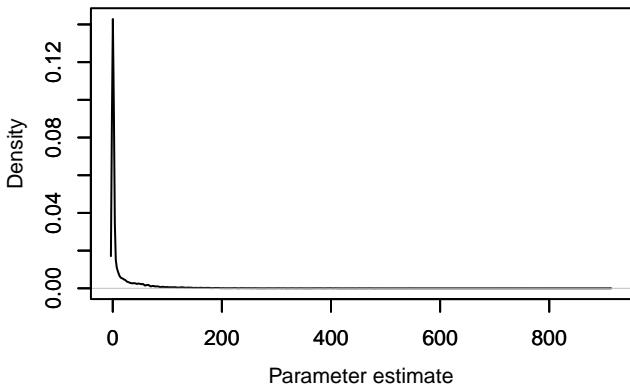
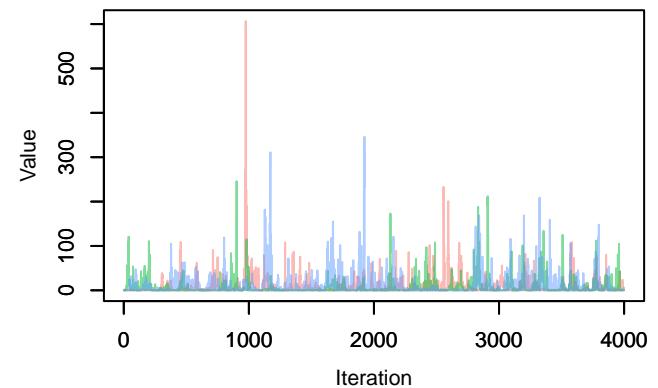
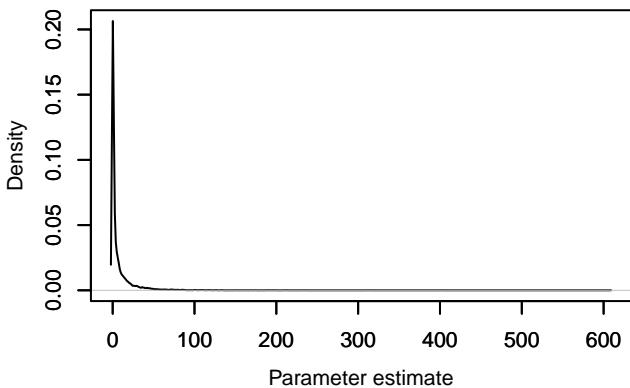
**Trace – N\_pred[2]****Density – N\_pred[2]****Trace – N\_pred[3]****Density – N\_pred[3]****Trace – N\_pred[4]****Density – N\_pred[4]**

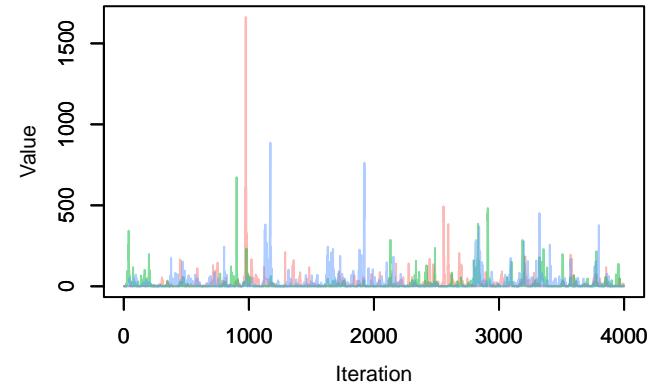
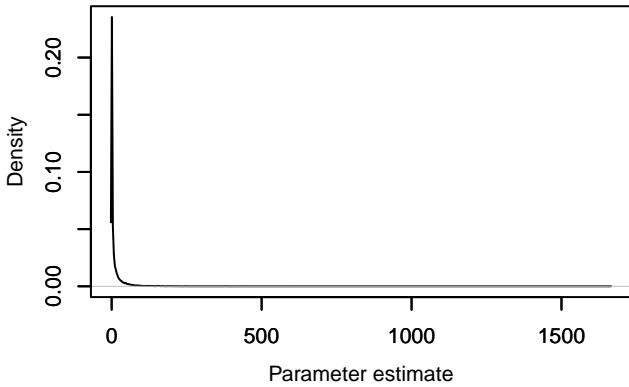
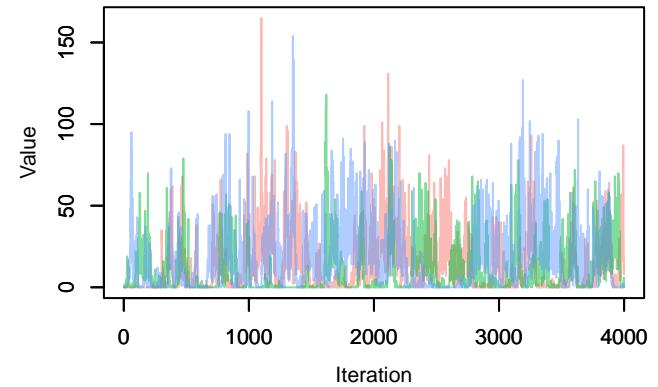
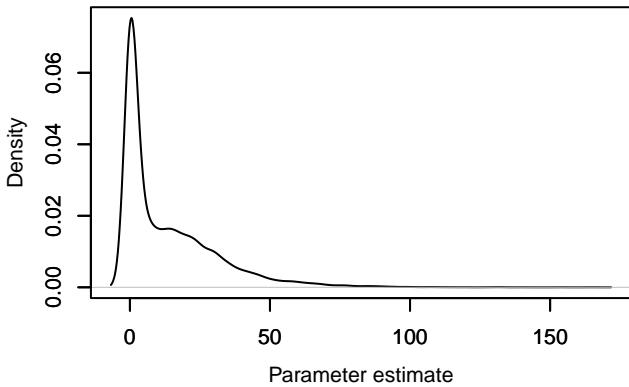
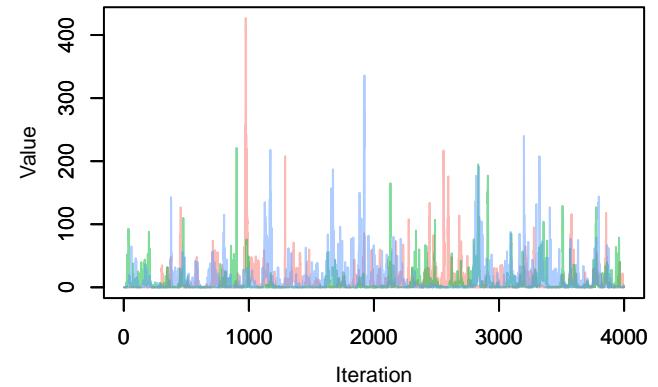
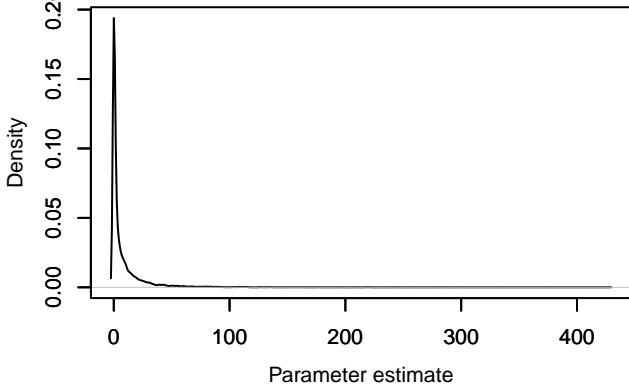
**Trace – N\_pred[5]****Density – N\_pred[5]****Trace – N\_pred[6]****Density – N\_pred[6]****Trace – N\_pred[7]****Density – N\_pred[7]**

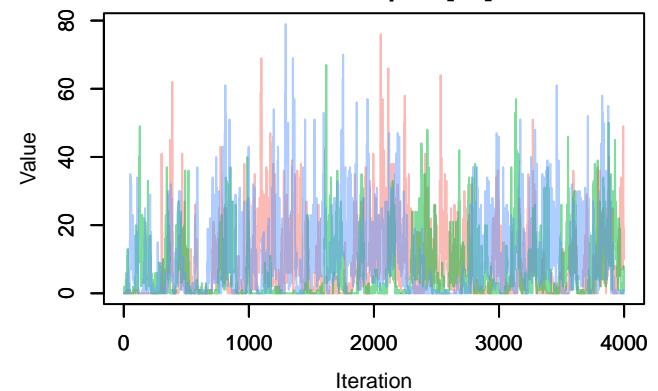
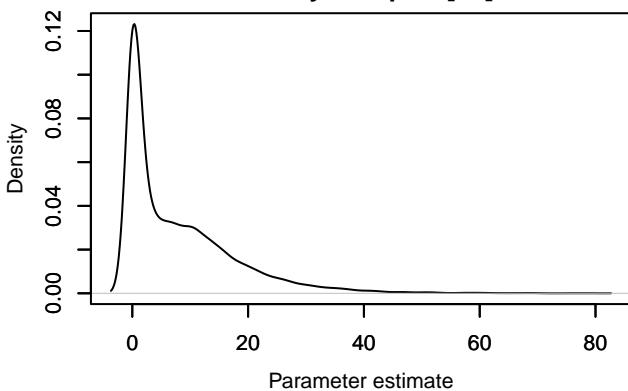
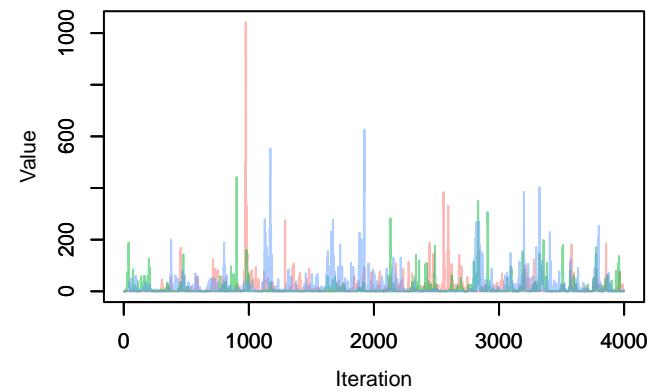
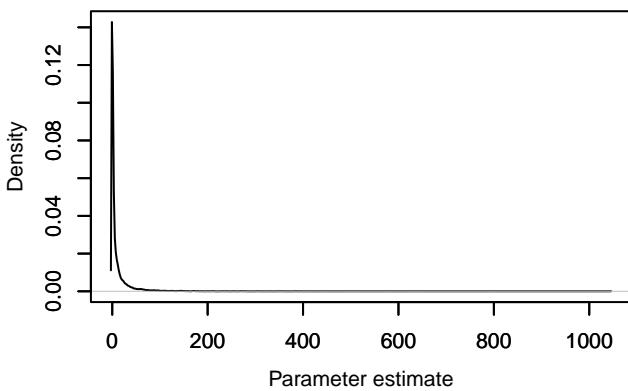
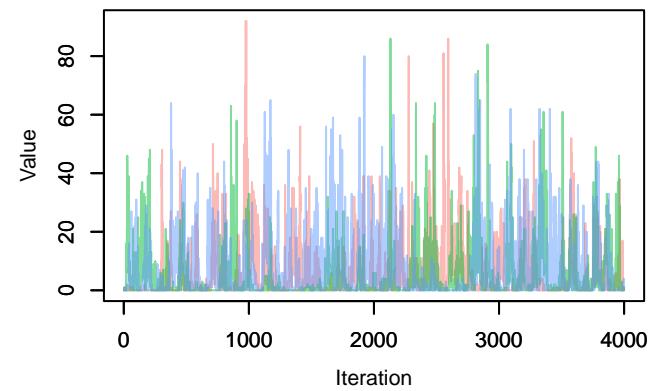
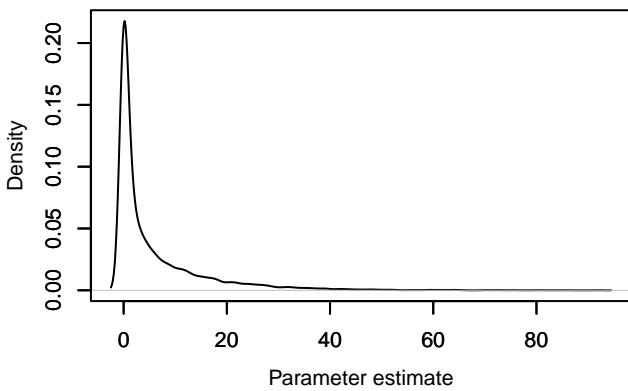
**Trace – N\_pred[8]****Density – N\_pred[8]****Trace – N\_pred[9]****Density – N\_pred[9]****Trace – N\_pred[10]****Density – N\_pred[10]**

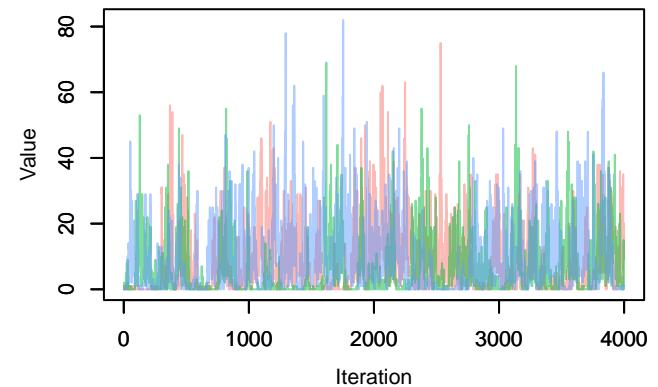
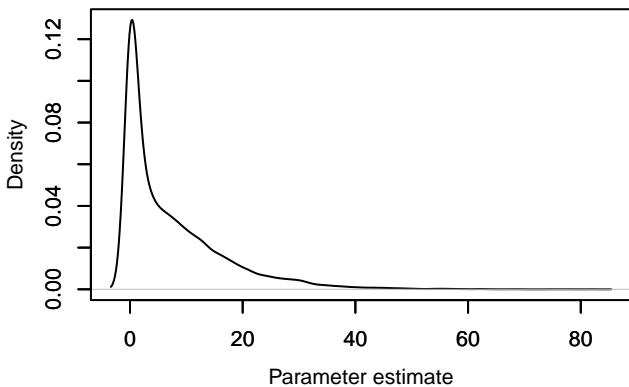
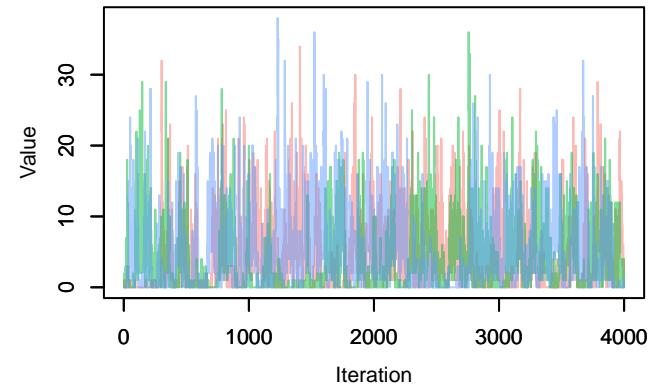
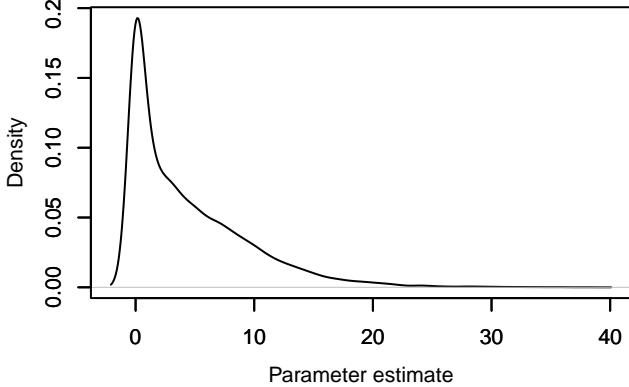
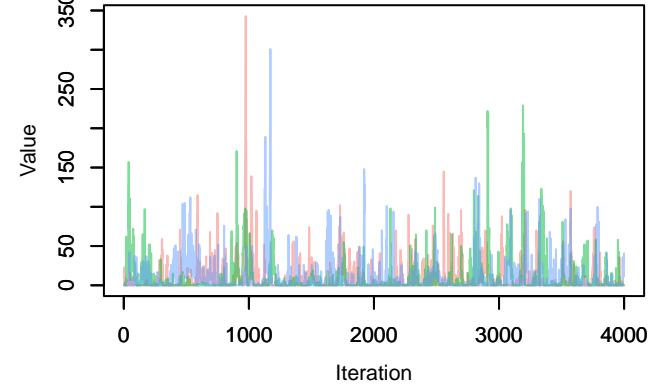
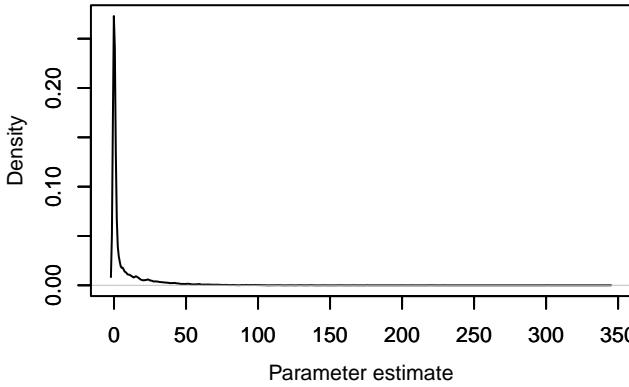
**Trace – N\_pred[11]****Density – N\_pred[11]****Trace – N\_pred[12]****Density – N\_pred[12]****Trace – N\_pred[13]****Density – N\_pred[13]**

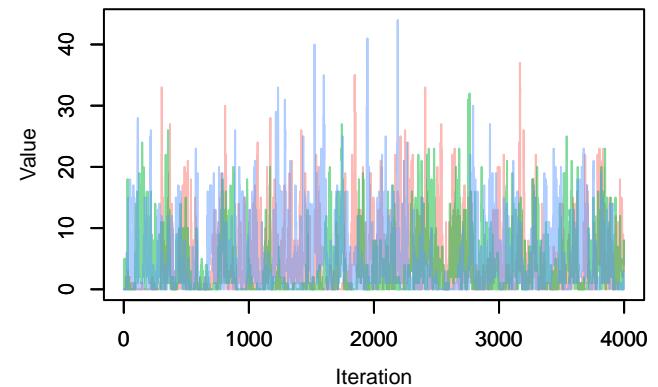
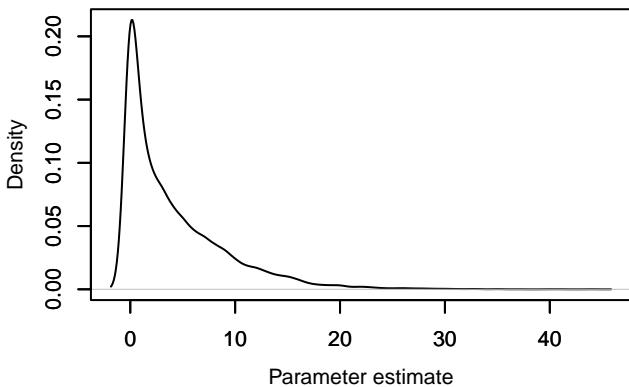
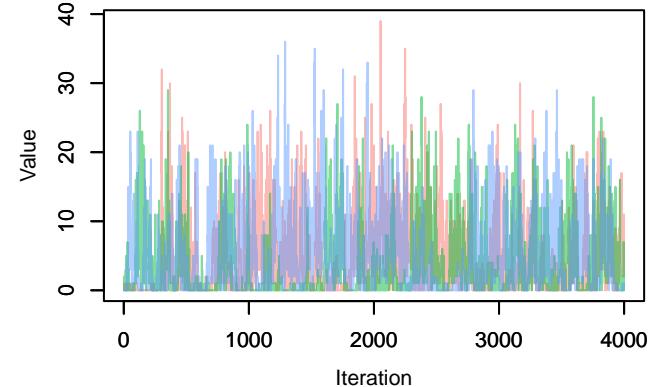
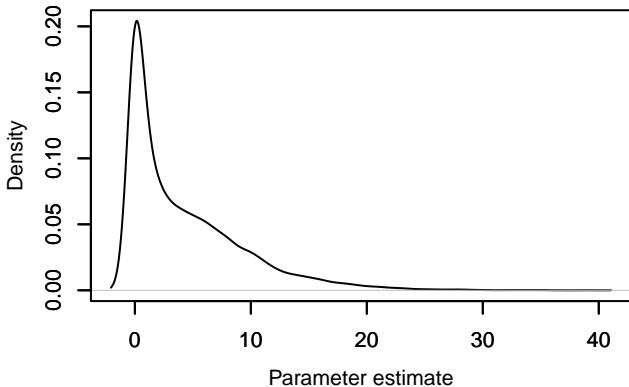
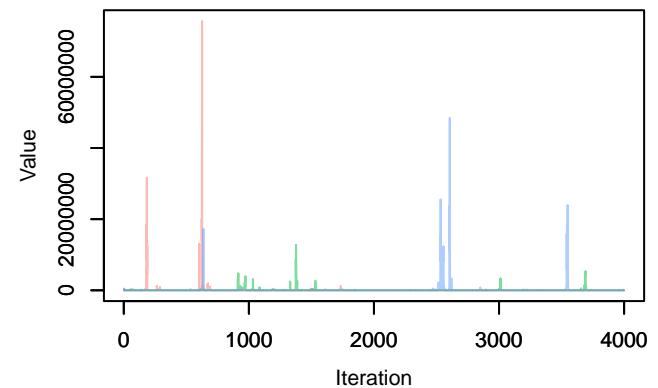
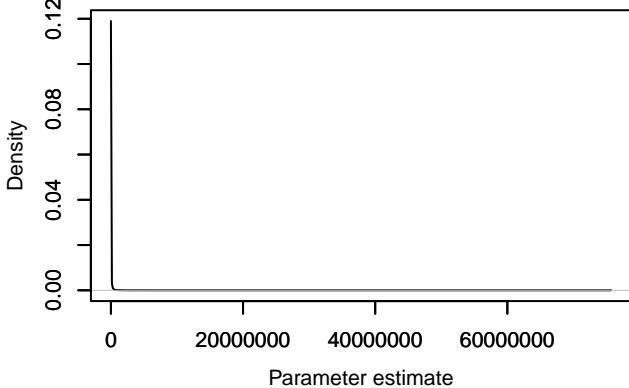
**Trace – N\_pred[14]****Density – N\_pred[14]****Trace – N\_pred[15]****Density – N\_pred[15]****Trace – N\_pred[16]****Density – N\_pred[16]**

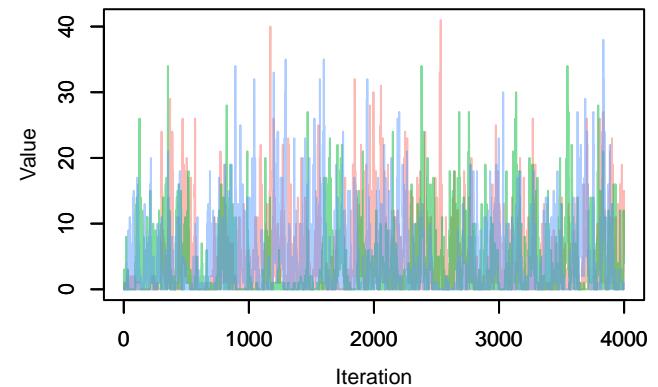
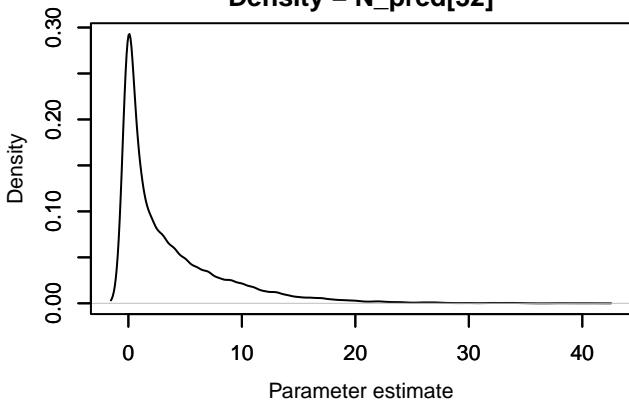
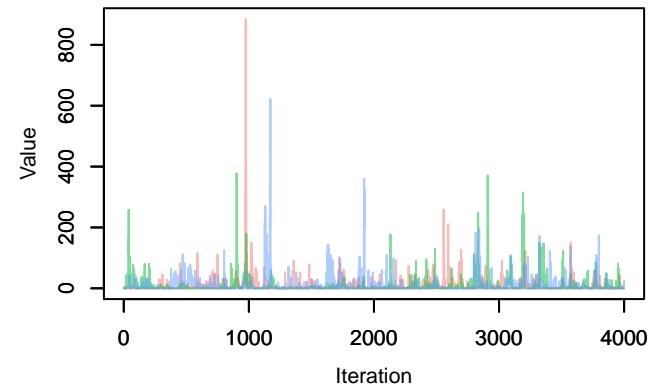
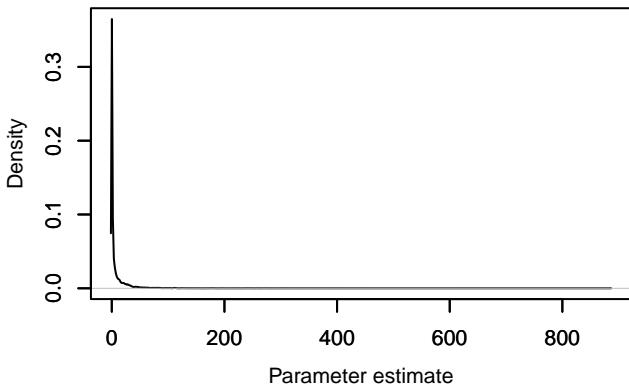
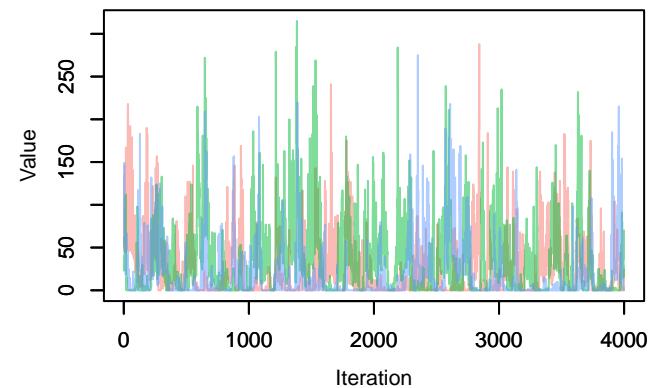
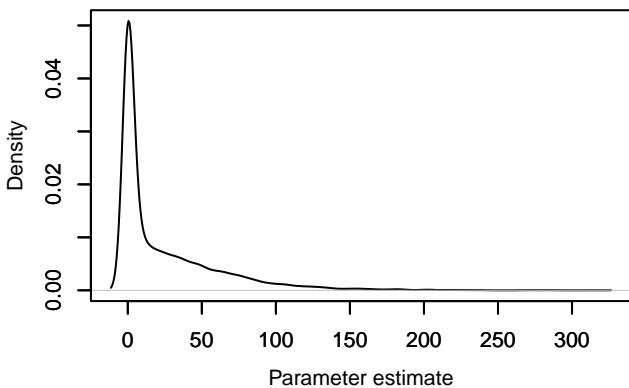
**Trace – N\_pred[17]****Density – N\_pred[17]****Trace – N\_pred[18]****Density – N\_pred[18]****Trace – N\_pred[19]****Density – N\_pred[19]**

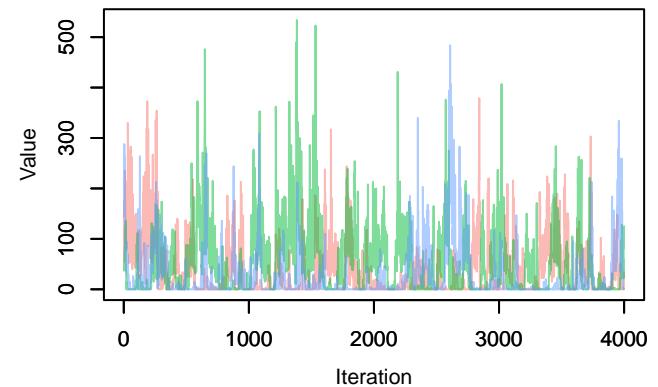
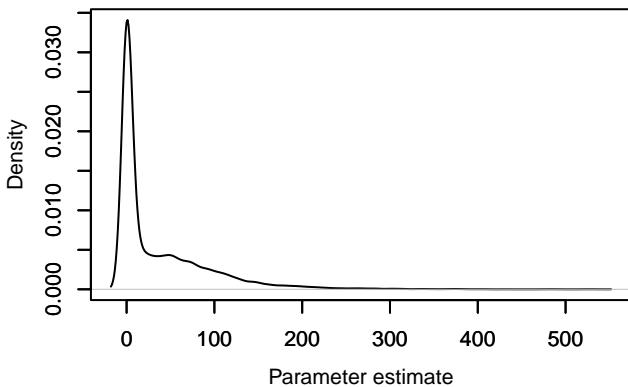
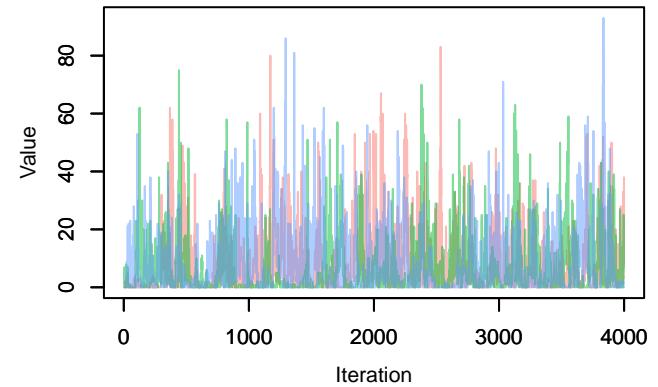
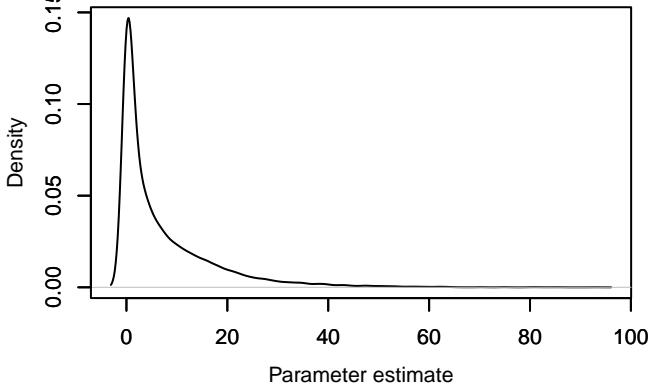
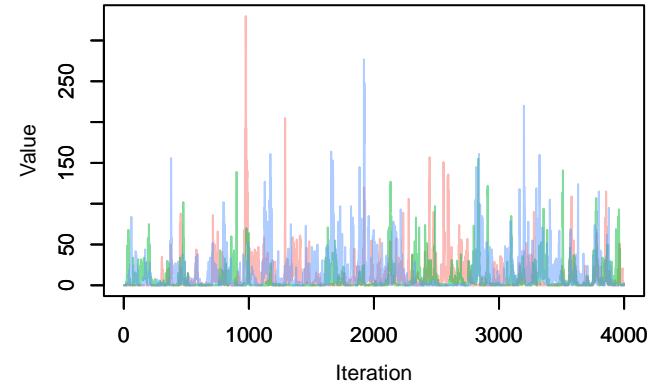
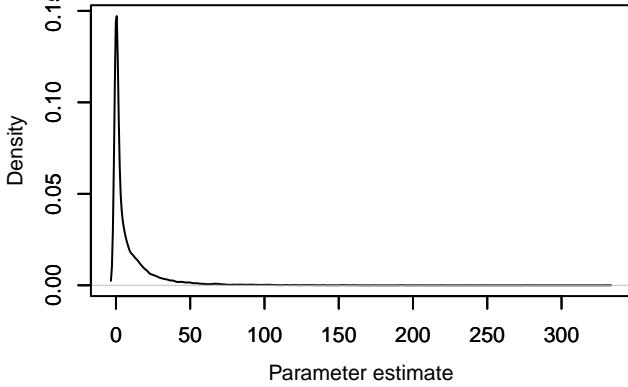
**Trace – N\_pred[20]****Density – N\_pred[20]****Trace – N\_pred[21]****Density – N\_pred[21]****Trace – N\_pred[22]****Density – N\_pred[22]**

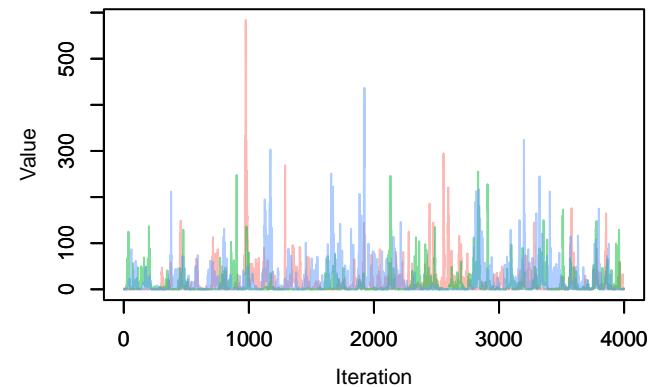
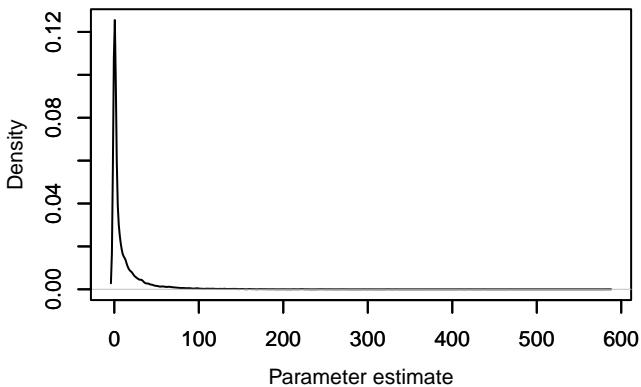
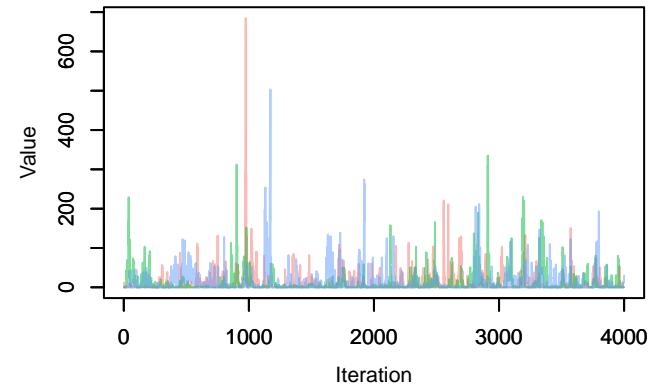
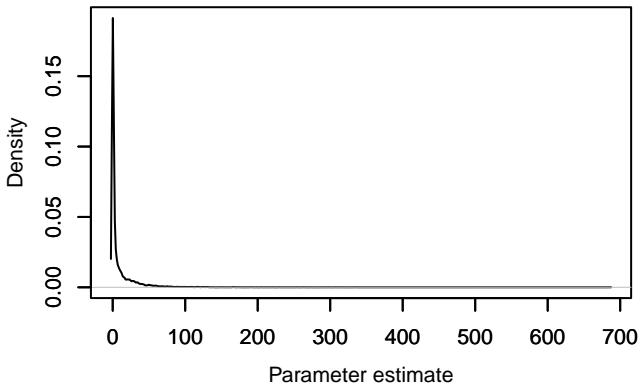
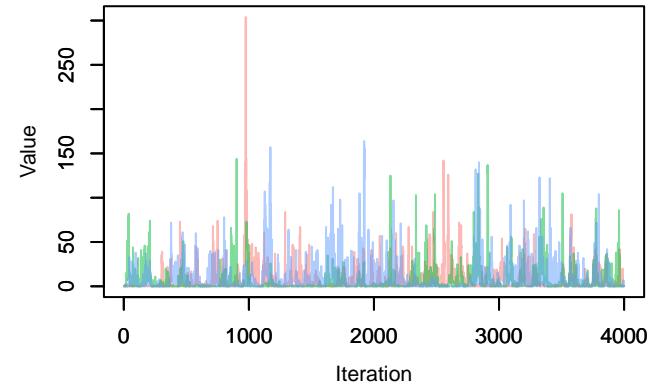
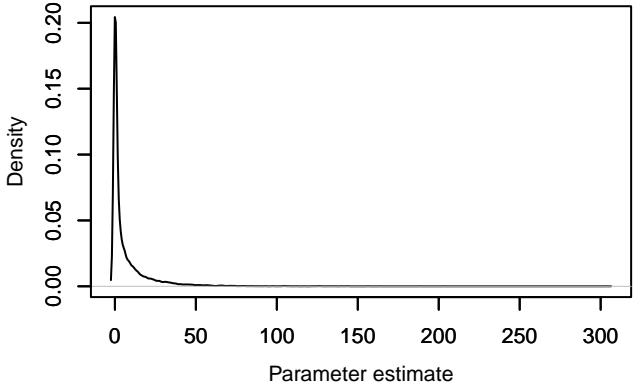
**Trace – N\_pred[23]****Density – N\_pred[23]****Trace – N\_pred[24]****Density – N\_pred[24]****Trace – N\_pred[25]****Density – N\_pred[25]**

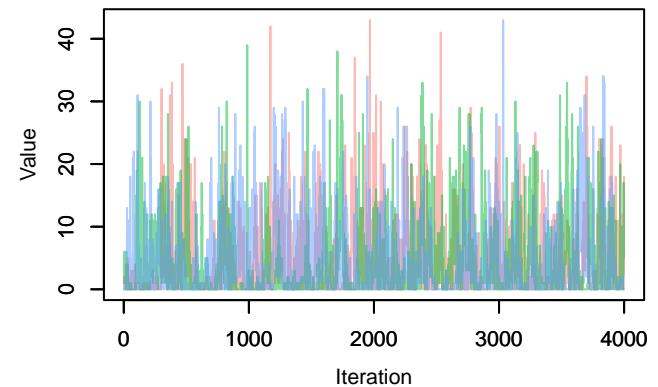
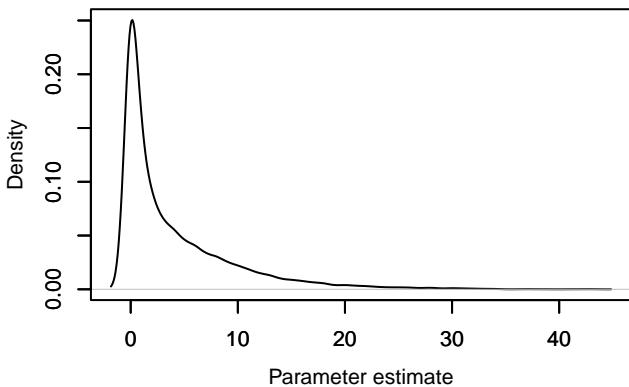
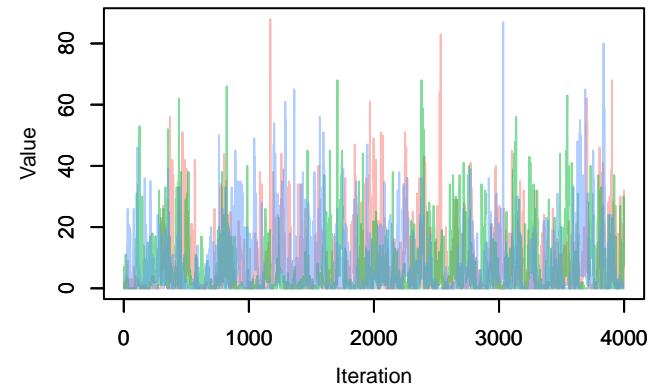
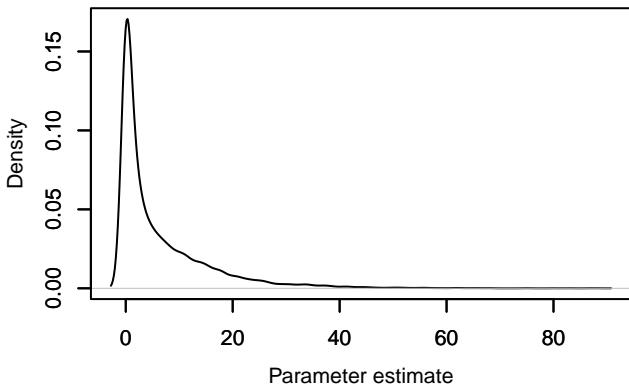
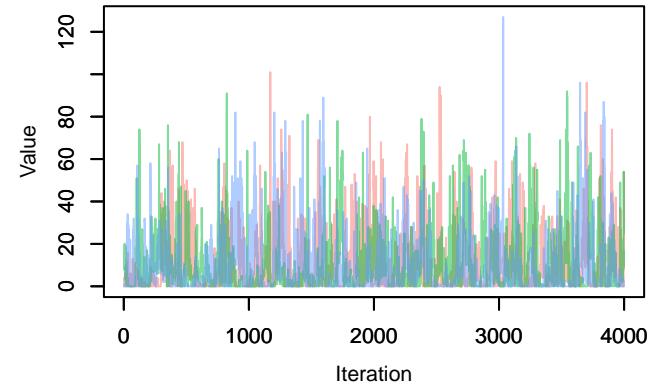
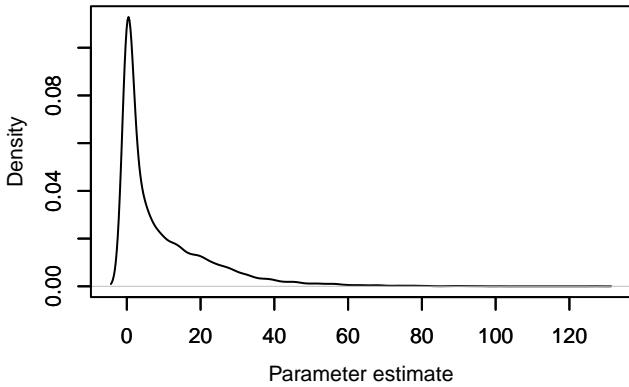
**Trace – N\_pred[26]****Density – N\_pred[26]****Trace – N\_pred[27]****Density – N\_pred[27]****Trace – N\_pred[28]****Density – N\_pred[28]**

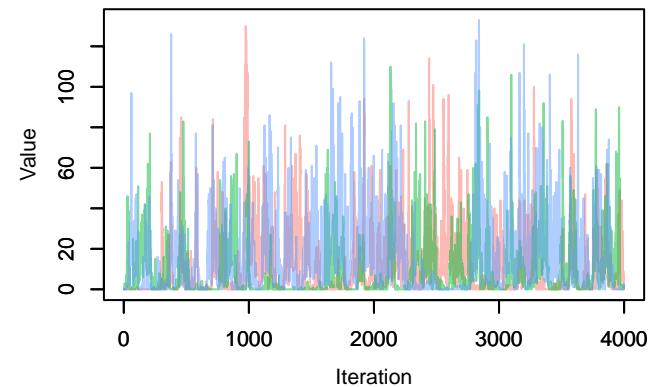
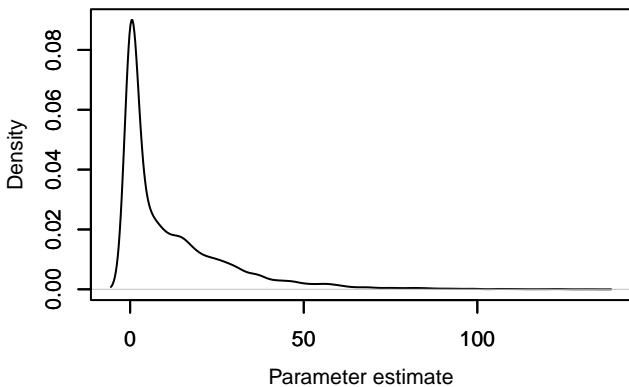
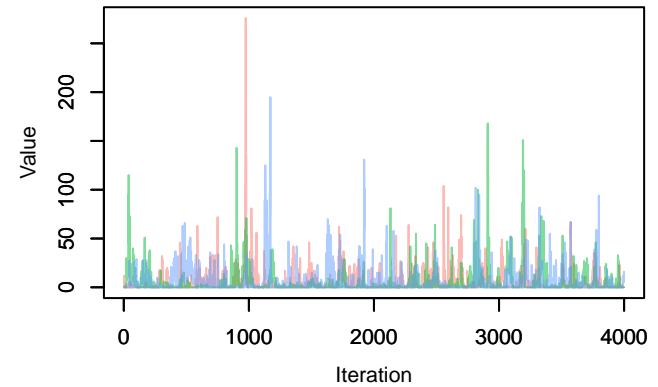
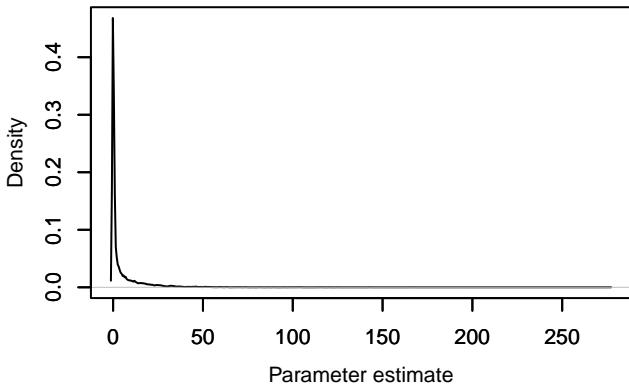
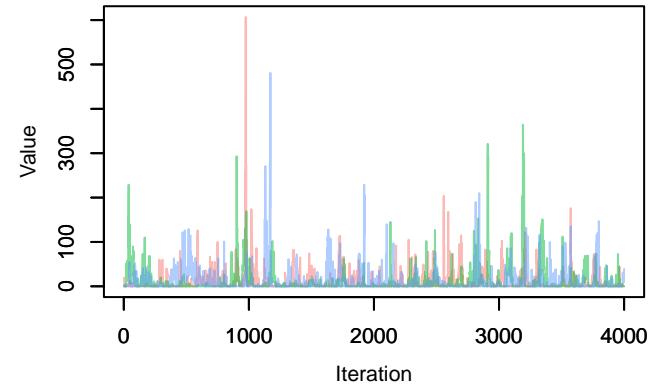
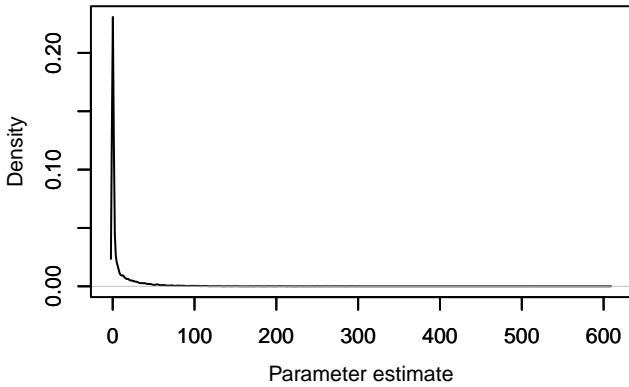
**Trace – N\_pred[29]****Density – N\_pred[29]****Trace – N\_pred[30]****Density – N\_pred[30]****Trace – N\_pred[31]****Density – N\_pred[31]**

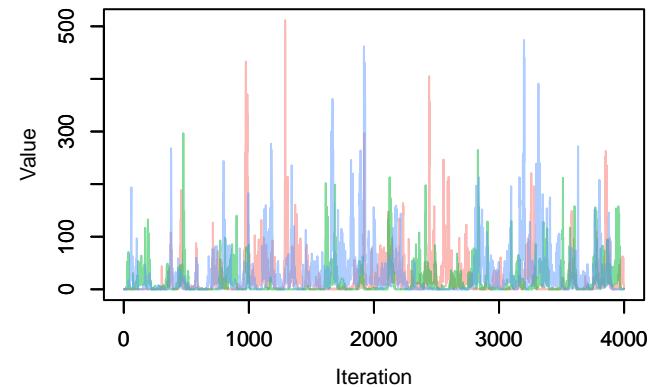
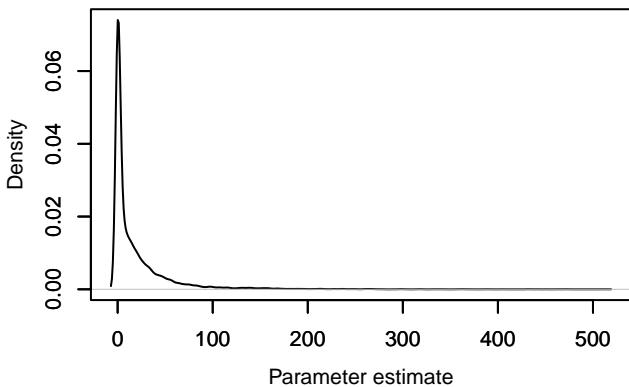
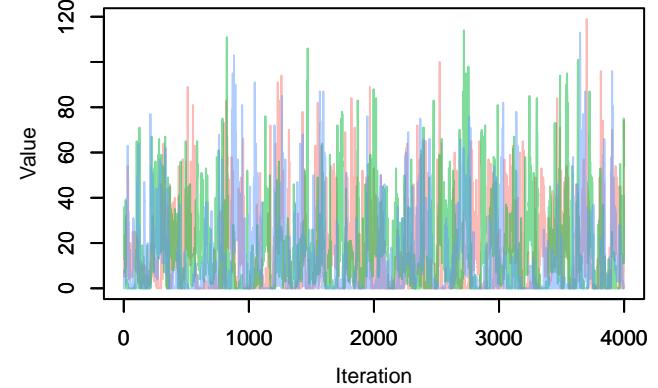
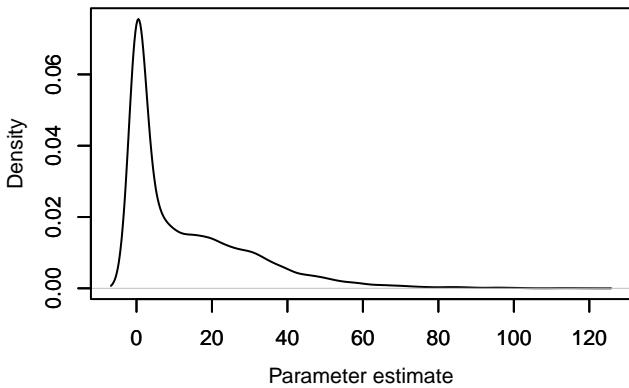
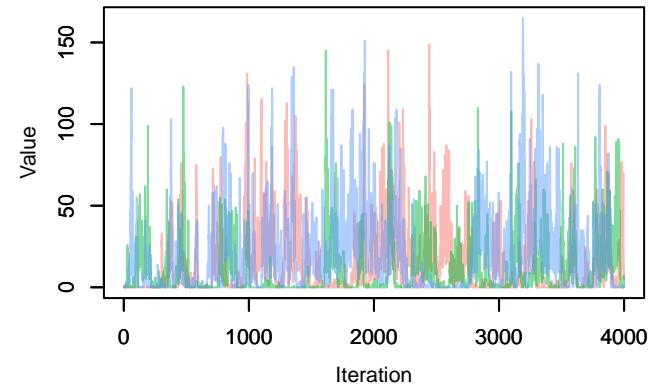
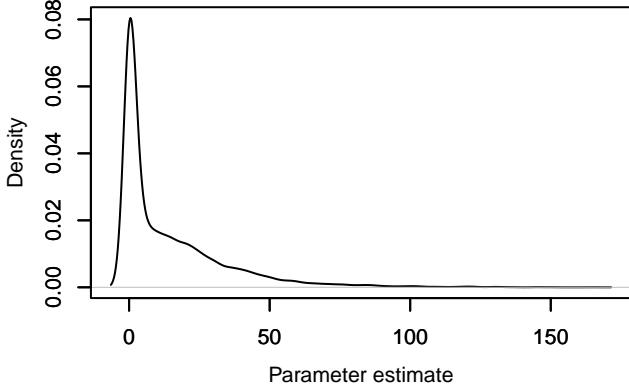
**Trace – N\_pred[32]****Density – N\_pred[32]****Trace – N\_pred[33]****Density – N\_pred[33]****Trace – N\_pred[34]****Density – N\_pred[34]**

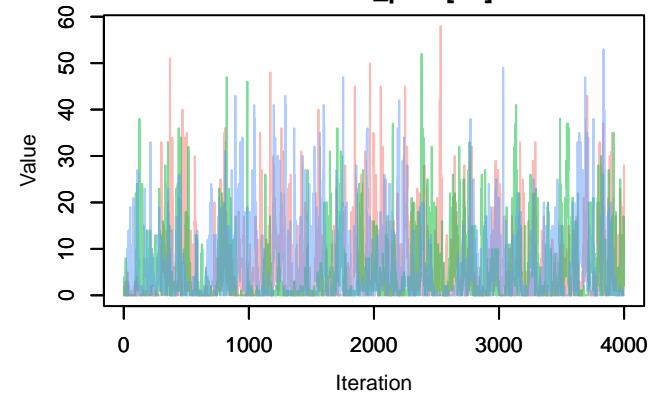
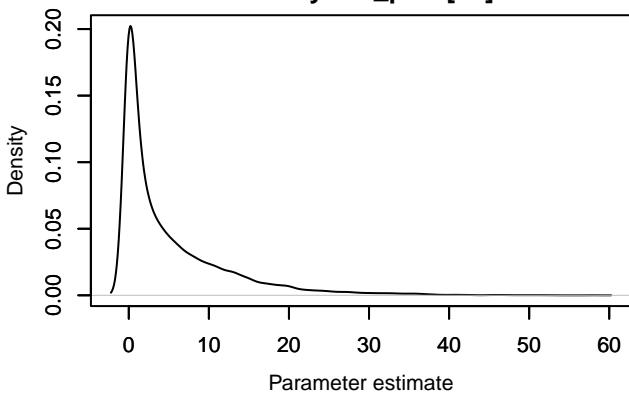
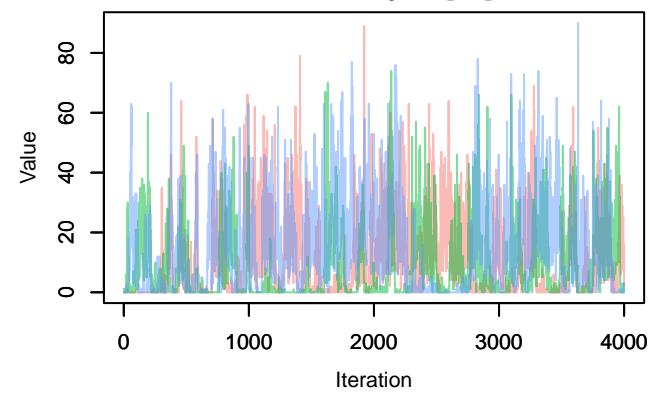
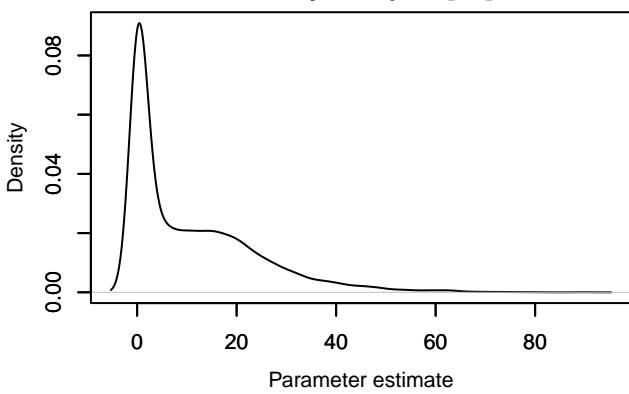
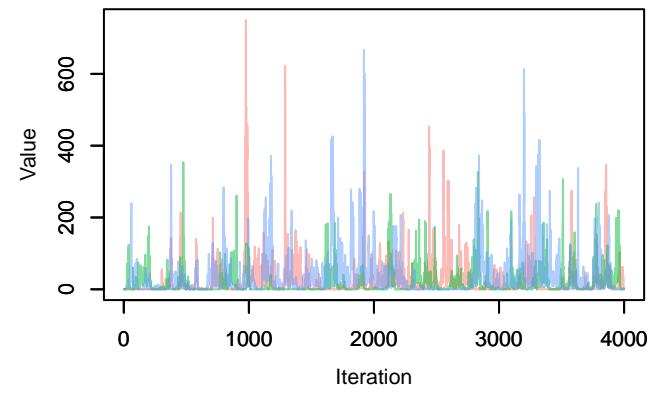
**Trace – N\_pred[35]****Density – N\_pred[35]****Trace – N\_pred[36]****Density – N\_pred[36]****Trace – N\_pred[37]****Density – N\_pred[37]**

**Trace – N\_pred[38]****Density – N\_pred[38]****Trace – N\_pred[39]****Density – N\_pred[39]****Trace – N\_pred[40]****Density – N\_pred[40]**

**Trace – N\_pred[41]****Density – N\_pred[41]****Trace – N\_pred[42]****Density – N\_pred[42]****Trace – N\_pred[43]****Density – N\_pred[43]**

**Trace – N\_pred[44]****Density – N\_pred[44]****Trace – N\_pred[45]****Density – N\_pred[45]****Trace – N\_pred[46]****Density – N\_pred[46]**

**Trace – N\_pred[47]****Density – N\_pred[47]****Trace – N\_pred[48]****Density – N\_pred[48]****Trace – N\_pred[49]****Density – N\_pred[49]**

**Trace – N\_pred[50]****Density – N\_pred[50]****Trace – N\_pred[51]****Density – N\_pred[51]****Trace – N\_pred[52]****Density – N\_pred[52]**