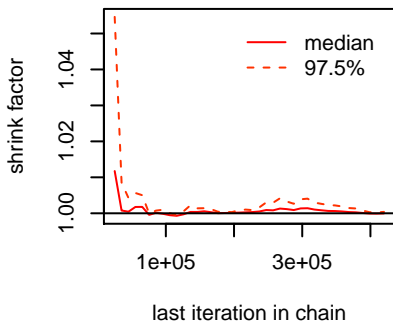
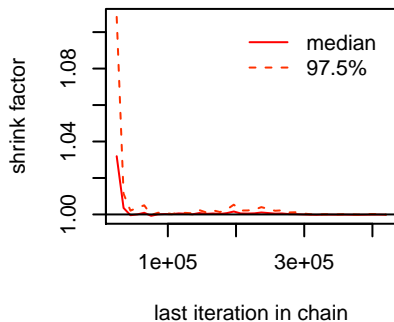


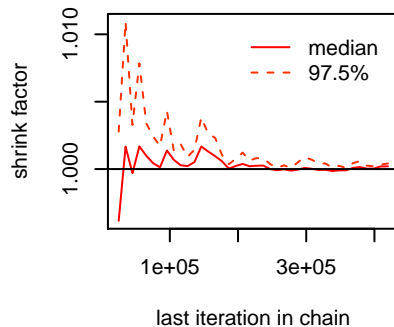
(Intercept)



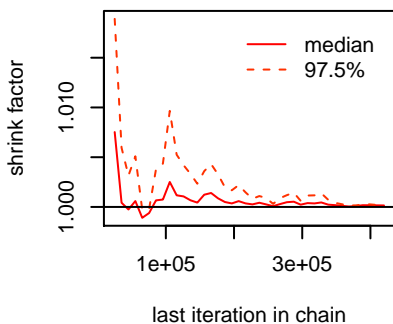
overPCA_s



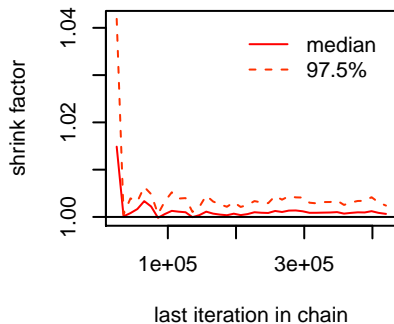
underPCA_s



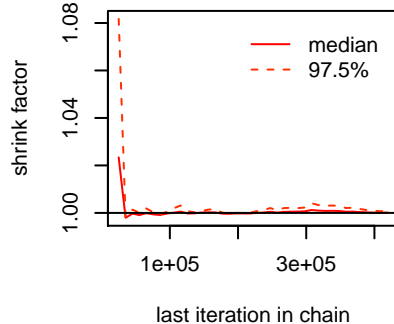
VAAN_CN_s



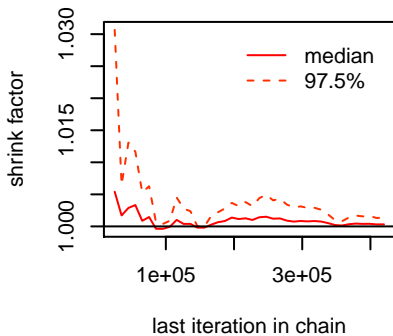
VAAN_CP_s



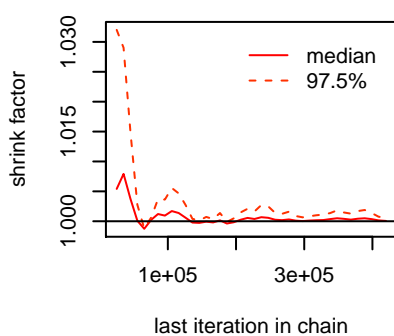
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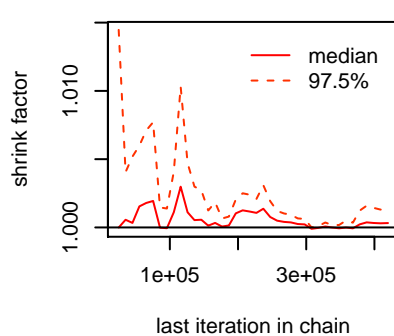
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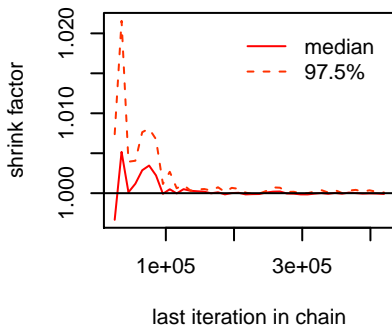
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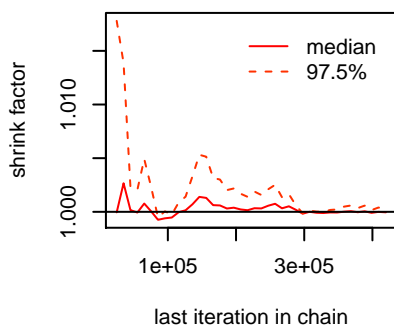
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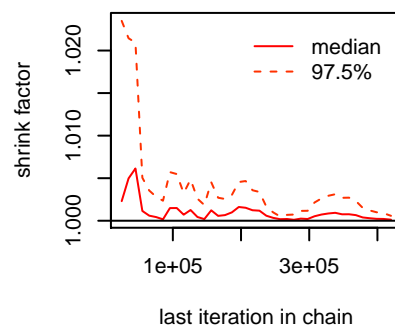
(Intercept).CollarID.149.093



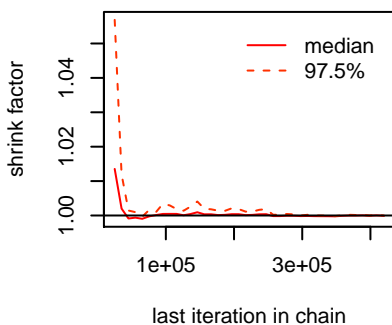
(Intercept).CollarID.149.124



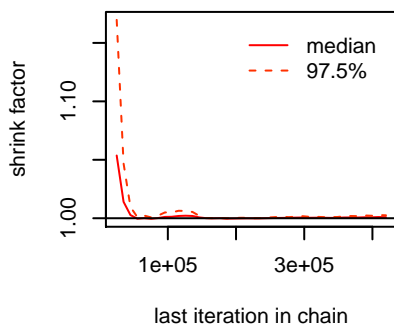
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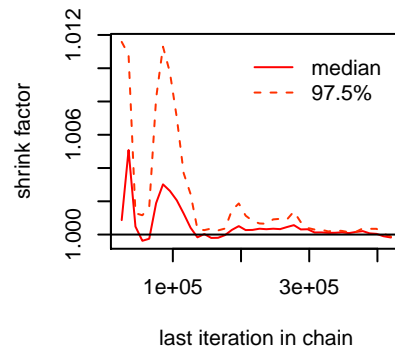
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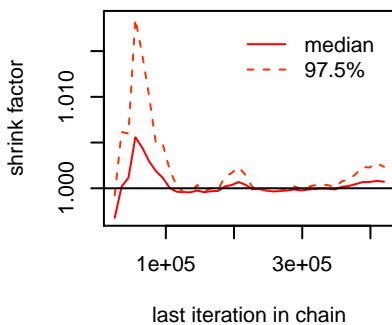
(Intercept).CollarID.149.233



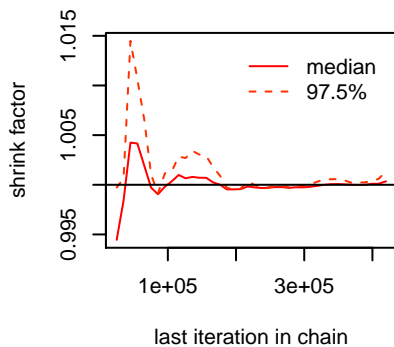
(Intercept).CollarID.149.294



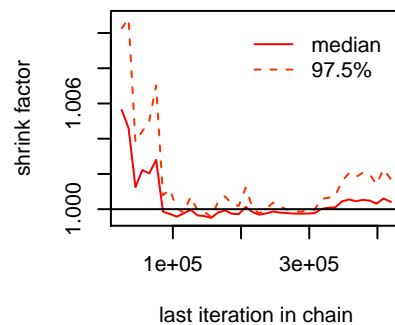
(Intercept).CollarID.149.394



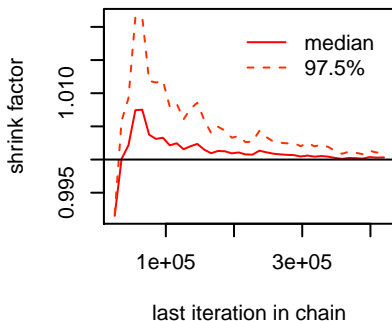
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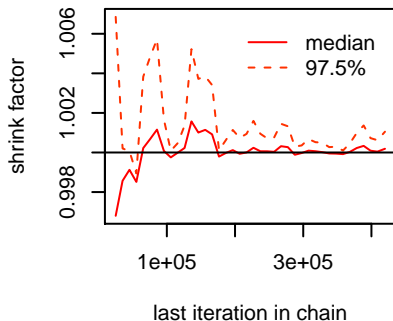
(Intercept).CollarID.149.452



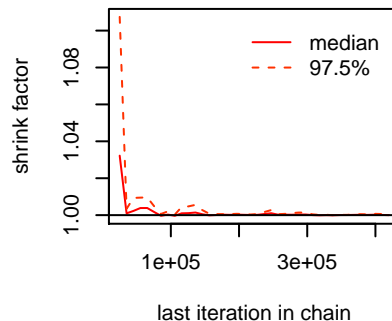
(Intercept).CollarID.149.513



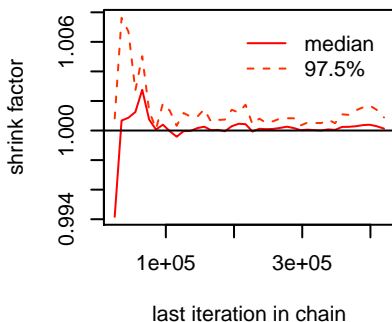
(Intercept).CollarID.149.535



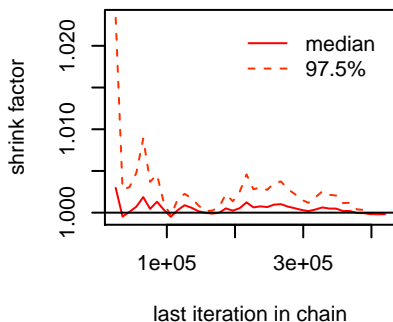
(Intercept).CollarID.149.594



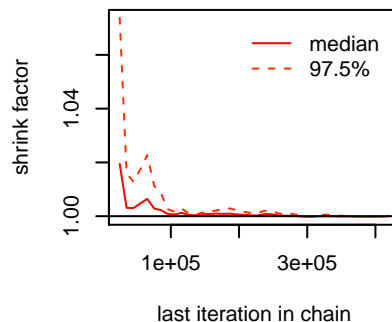
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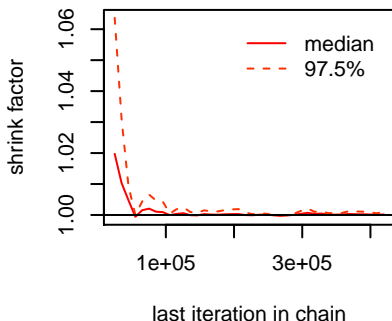
(Intercept).CollarID.149.633



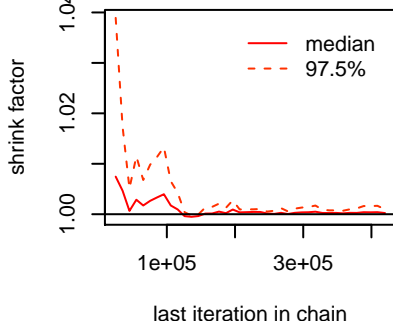
(Intercept).CollarID.149.673



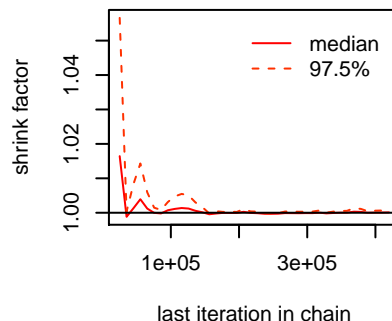
(Intercept).CollarID.150.032



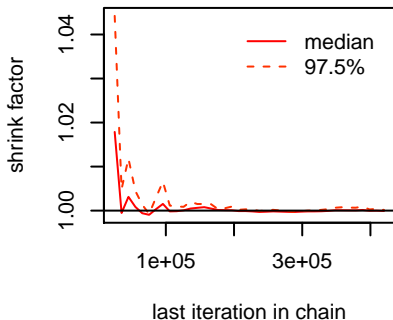
(Intercept).CollarID.150.052



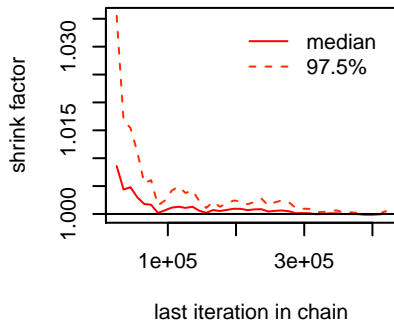
(Intercept).CollarID.150.072



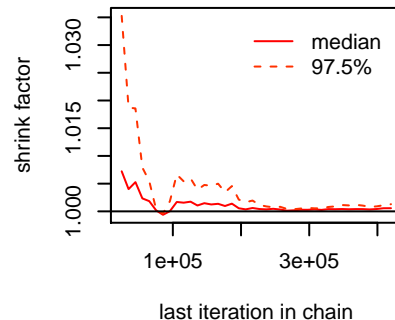
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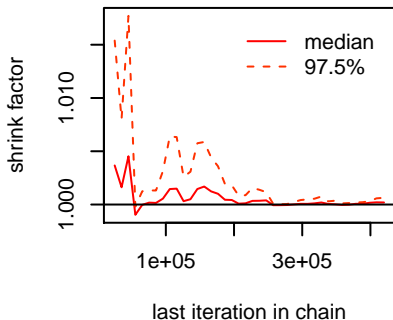
(Intercept).CollarID.150.111



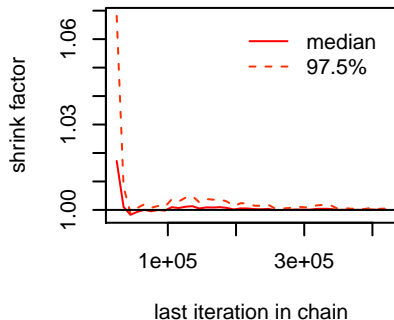
(Intercept).CollarID.150.132



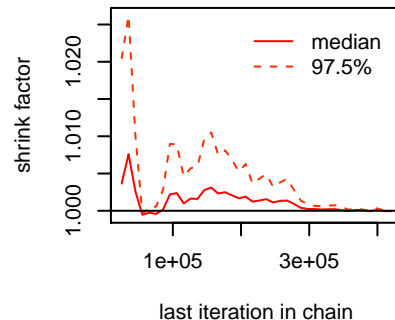
(Intercept).CollarID.150.154



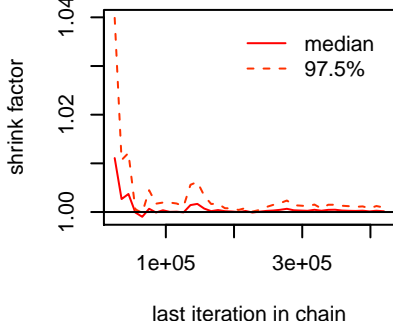
(Intercept).CollarID.150.173



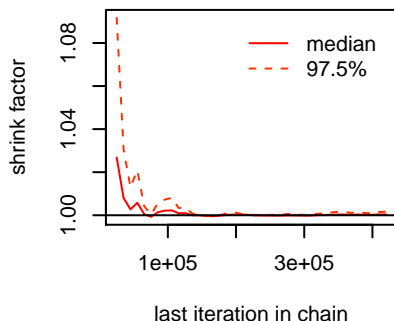
(Intercept).CollarID.150.191



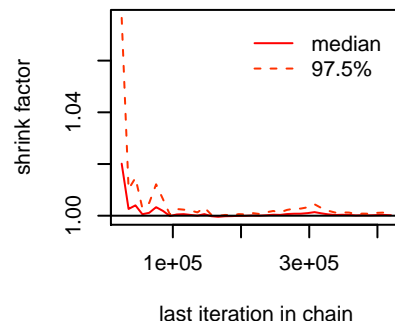
(Intercept).CollarID.150.232



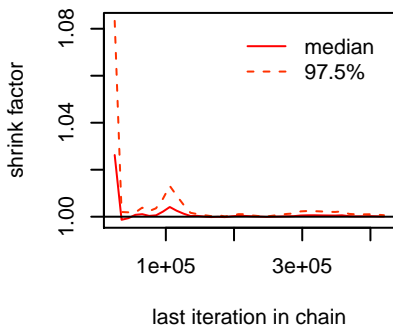
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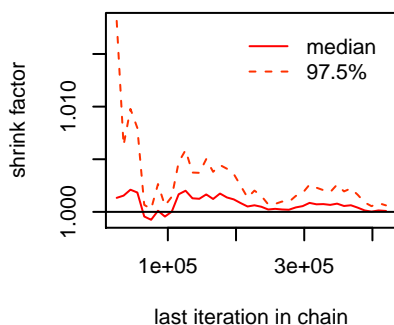
(Intercept).CollarID.150.314



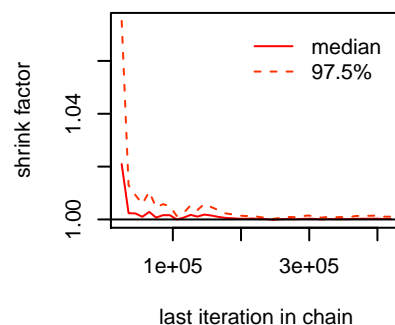
(Intercept).CollarID.150.332



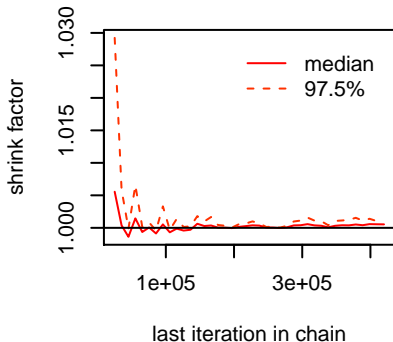
(Intercept).CollarID.150.373



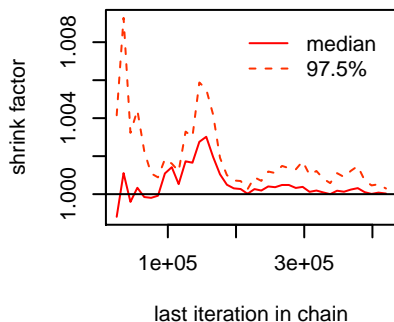
(Intercept).CollarID.150.392



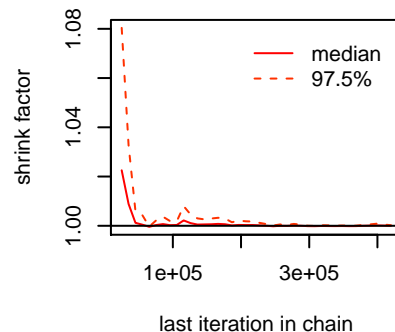
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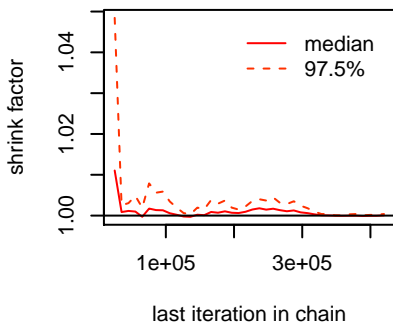
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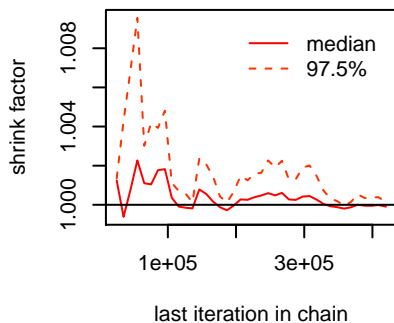
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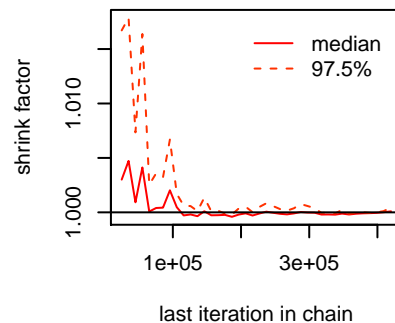
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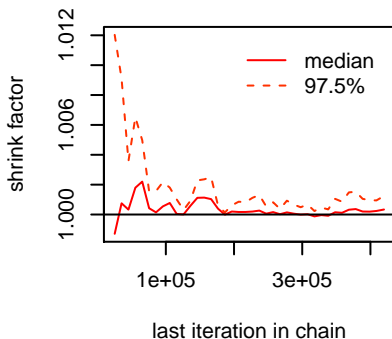
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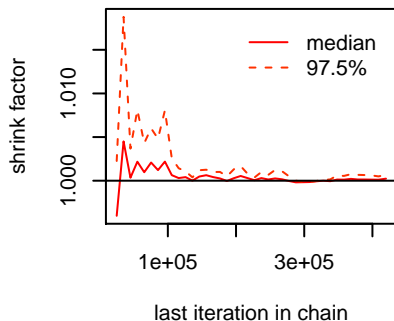
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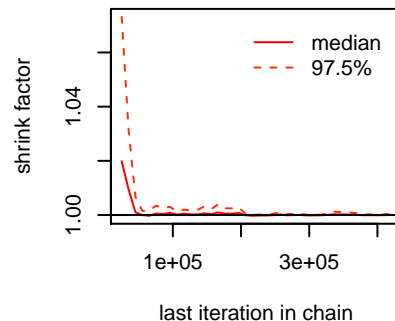
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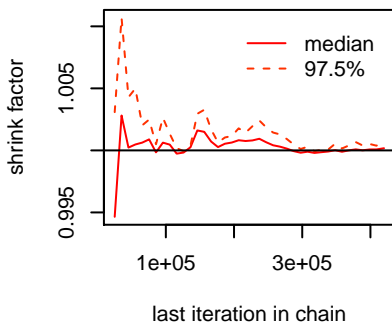
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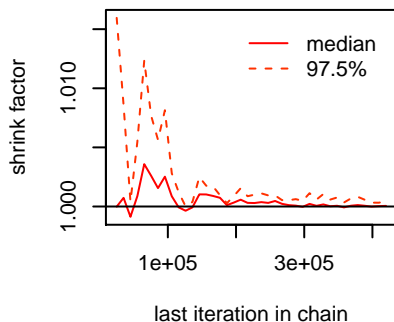
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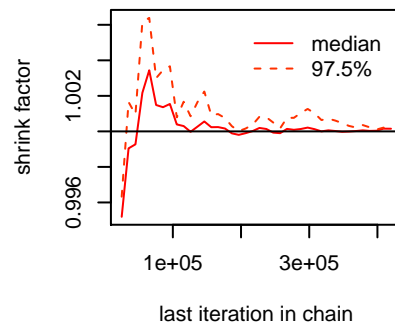
underPCA_s.CollarID.149.513



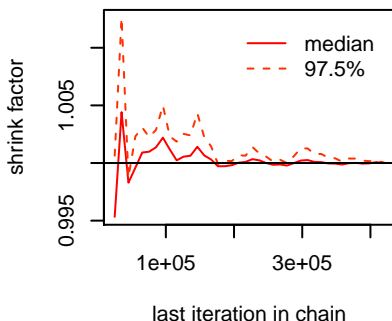
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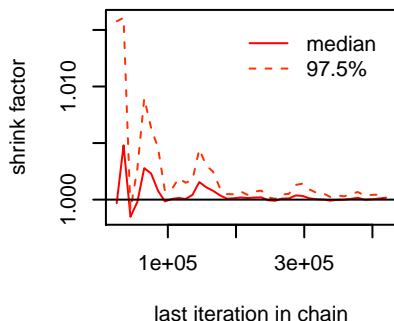
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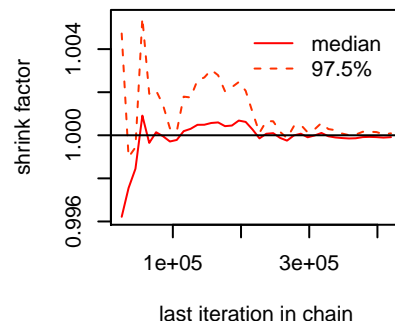
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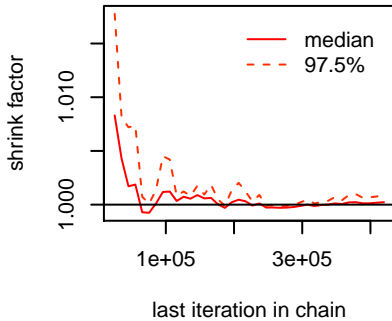
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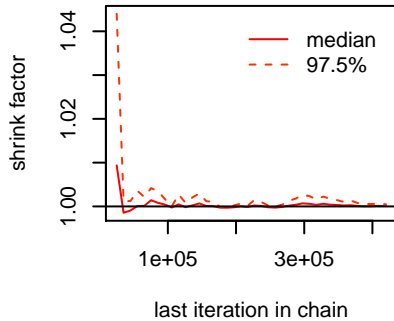
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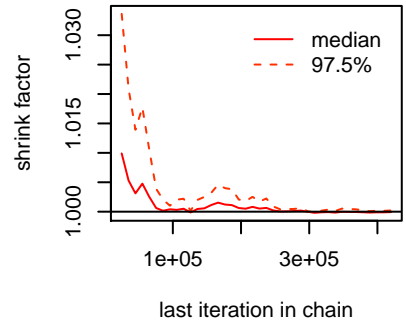
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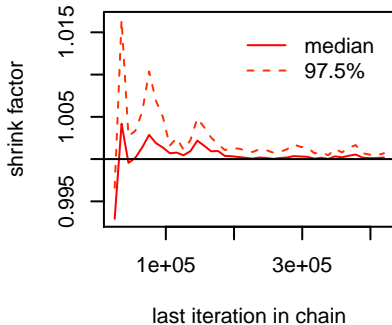
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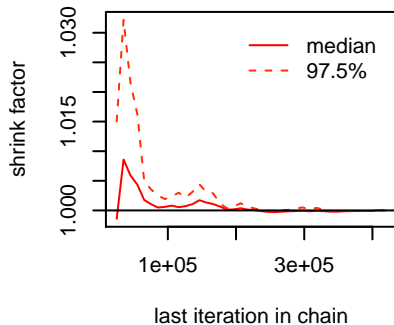
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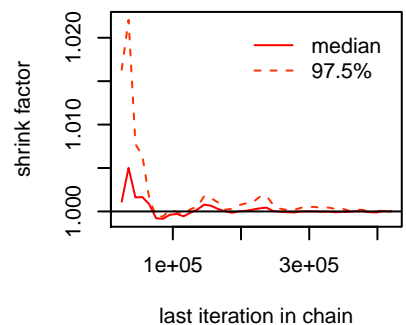
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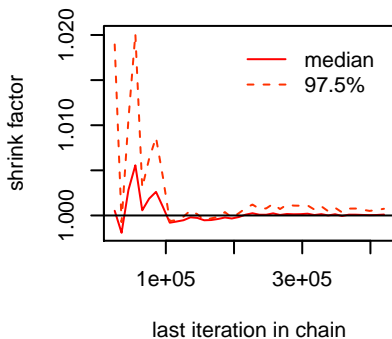
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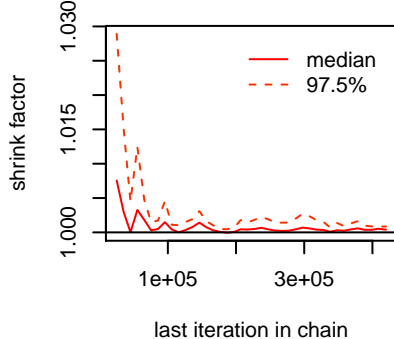
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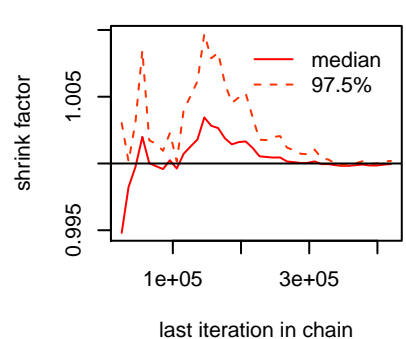
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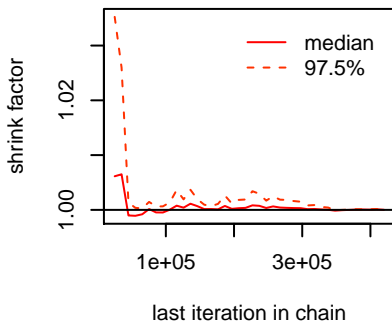
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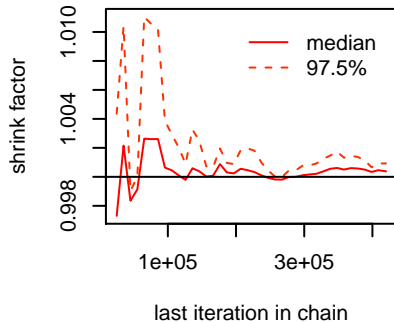
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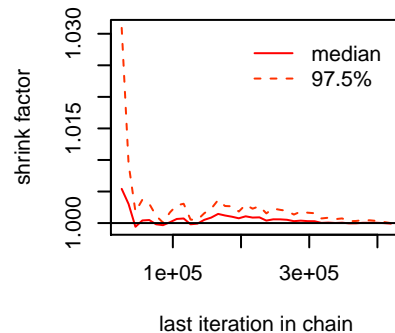
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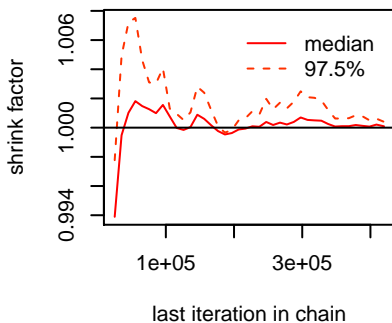
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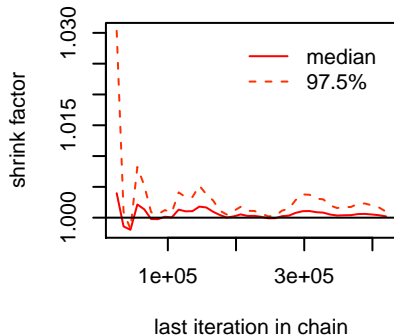
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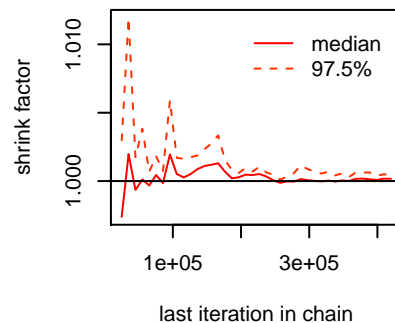
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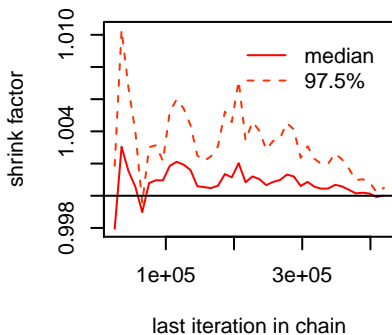
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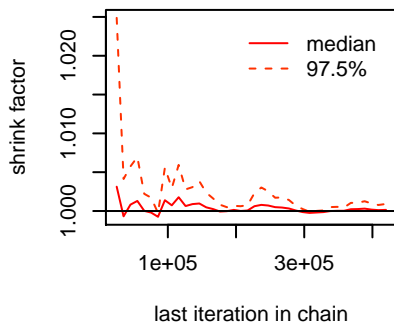
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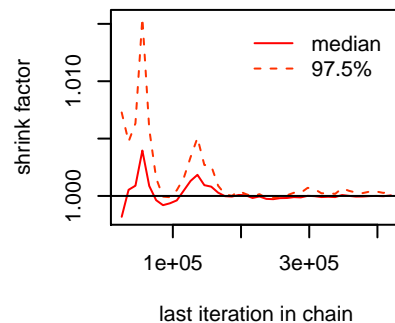
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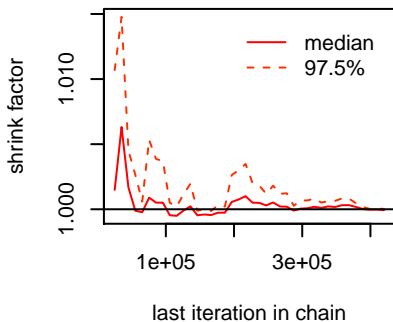
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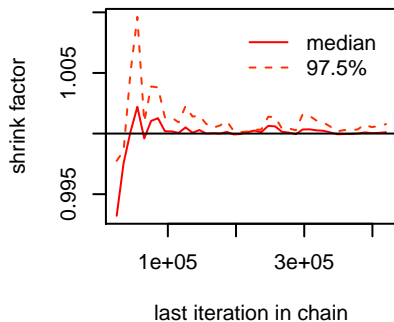
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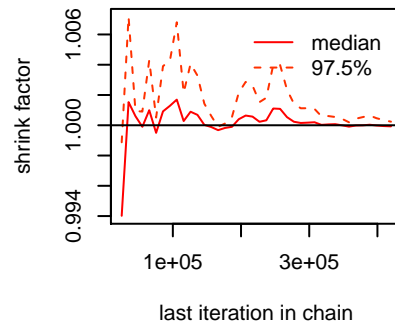
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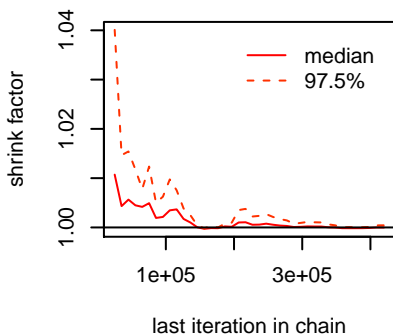
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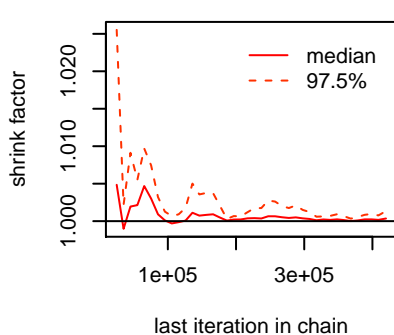
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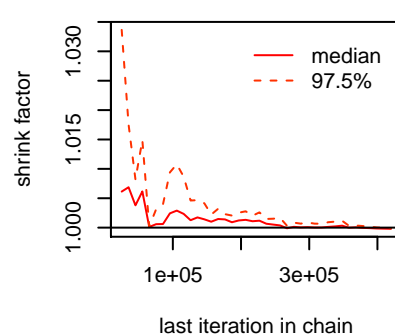
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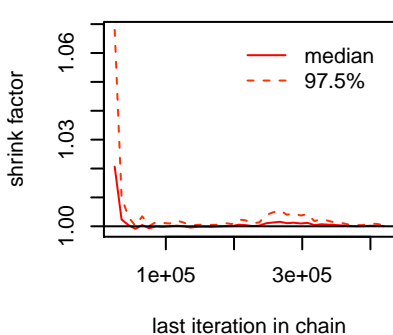
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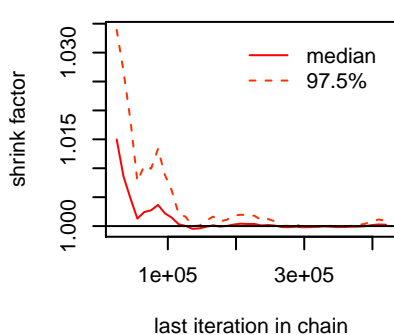
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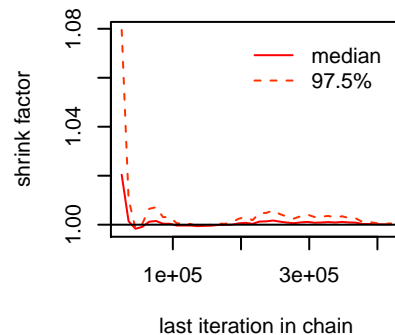
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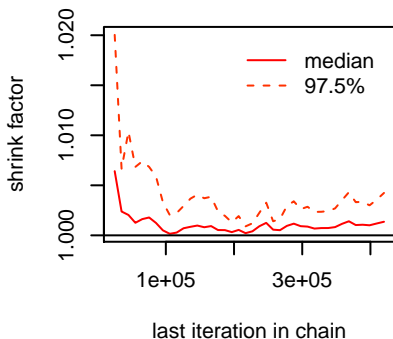
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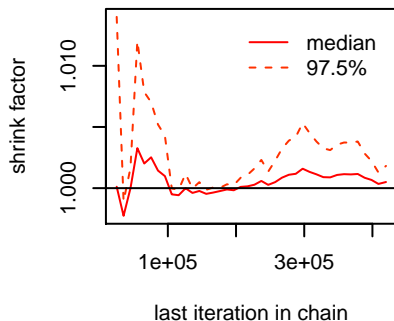
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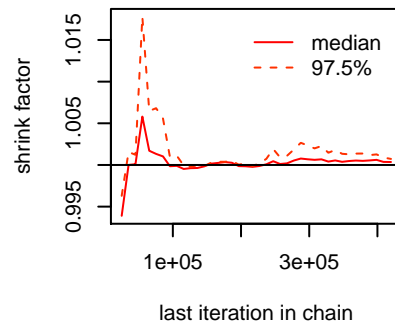
(Intercept).CollarID.149.613



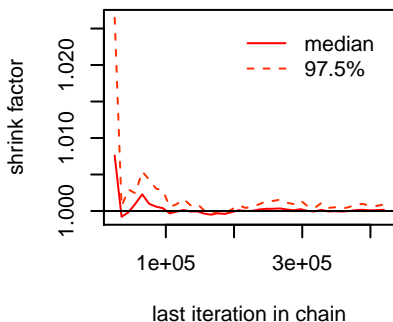
(Intercept).CollarID.149.633



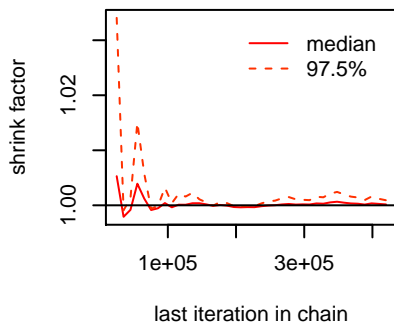
(Intercept).CollarID.149.673



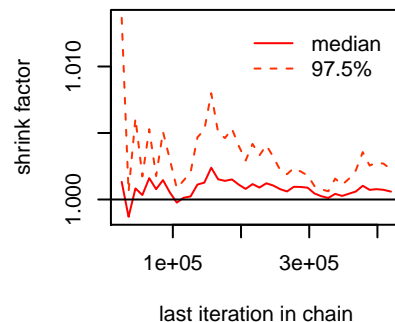
(Intercept).CollarID.150.032



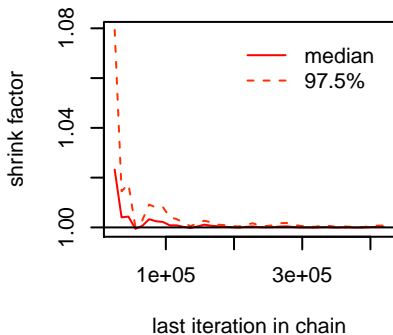
(Intercept).CollarID.150.052



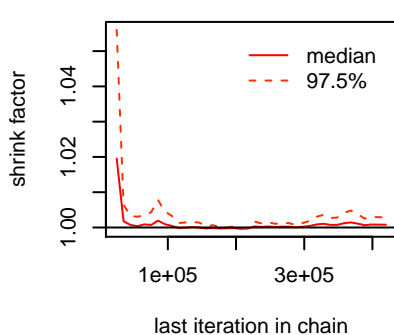
(Intercept).CollarID.150.072



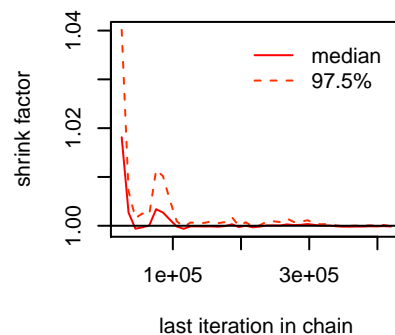
(Intercept).CollarID.150.091



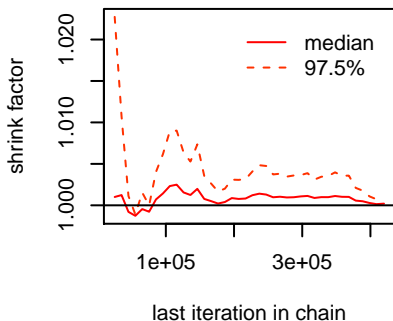
(Intercept).CollarID.150.111



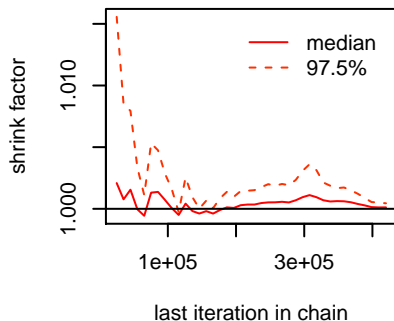
(Intercept).CollarID.150.132



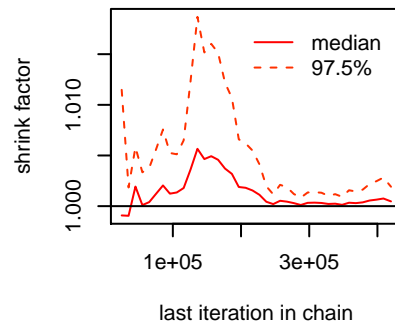
(Intercept).CollarID.150.154



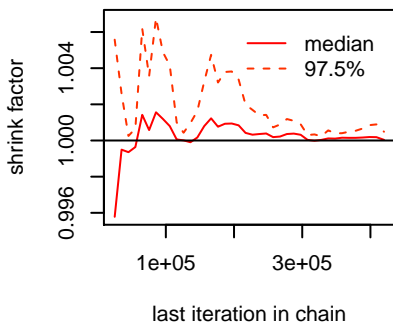
(Intercept).CollarID.150.173



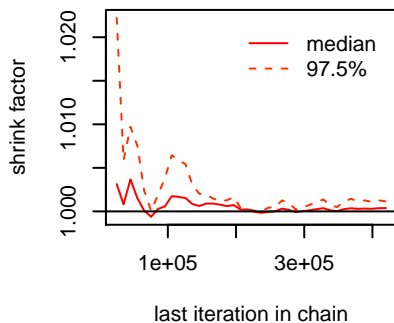
(Intercept).CollarID.150.191



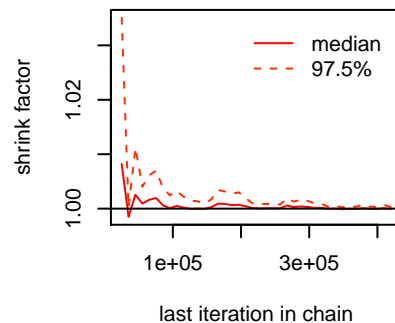
(Intercept).CollarID.150.232



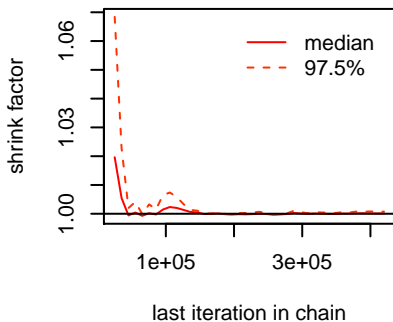
(Intercept).CollarID.150.273



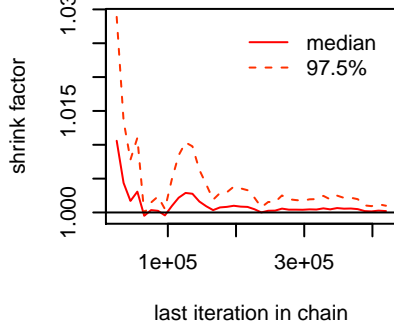
(Intercept).CollarID.150.314



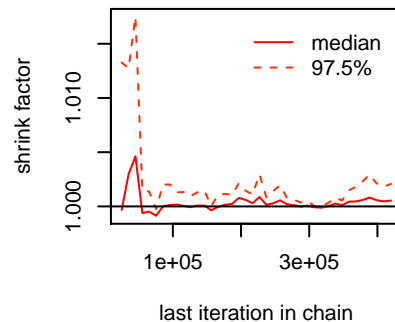
(Intercept).CollarID.150.332



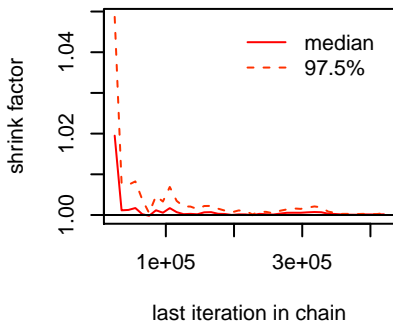
(Intercept).CollarID.150.373



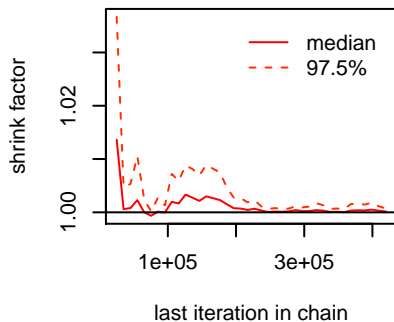
(Intercept).CollarID.150.392



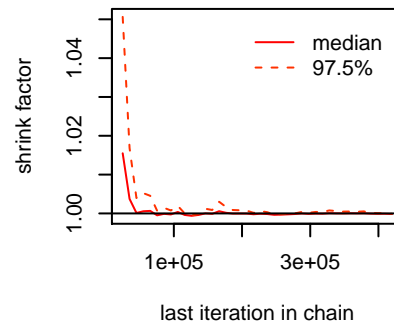
VAAN_CN_s.CollarID.149.093



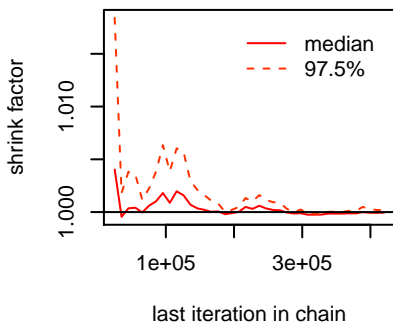
VAAN_CN_s.CollarID.149.124



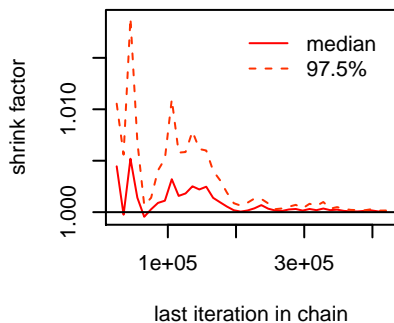
VAAN_CN_s.CollarID.149.173



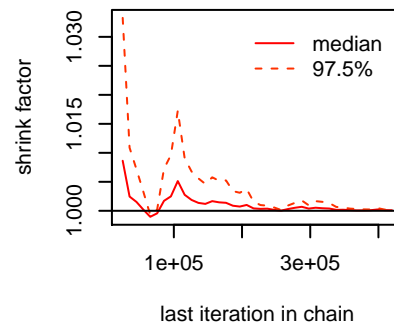
VAAN_CN_s.CollarID.149.213



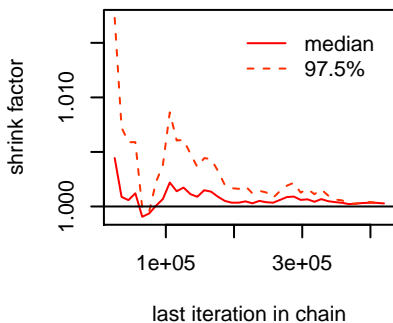
VAAN_CN_s.CollarID.149.233



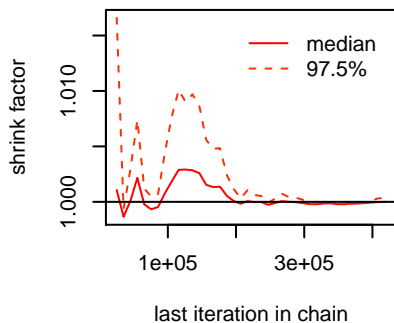
VAAN_CN_s.CollarID.149.294



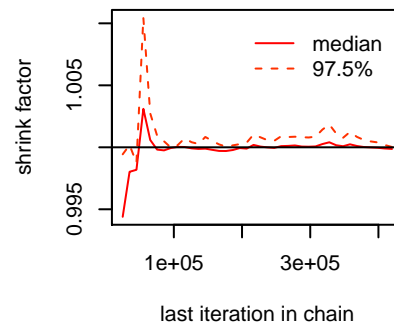
VAAN CN s.CollarID.149.394



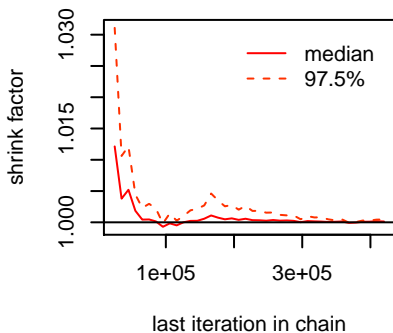
VAAN CN s.CollarID.149.423



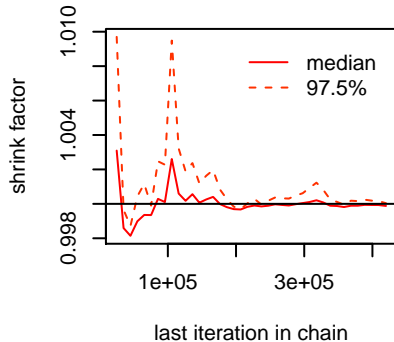
VAAN CN s.CollarID.149.452



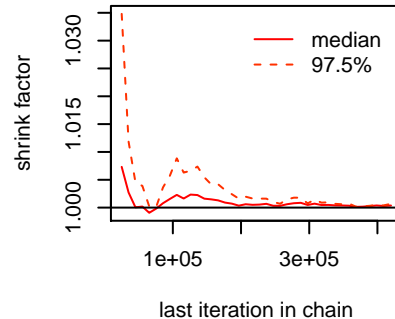
VAAN_CN_s.CollarID.149.513



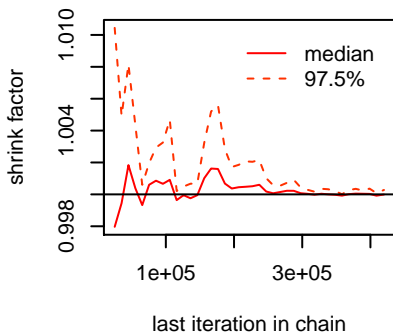
VAAN_CN_s.CollarID.149.535



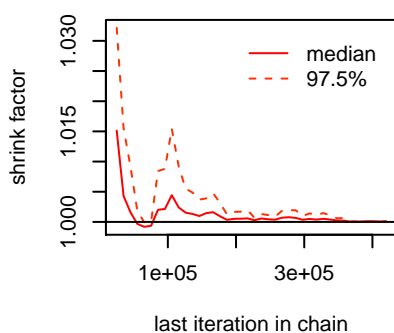
VAAN_CN_s.CollarID.149.594



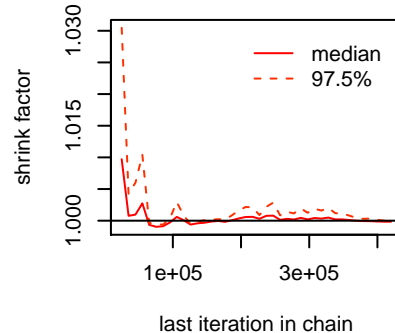
VAAN_CN_s.CollarID.149.613



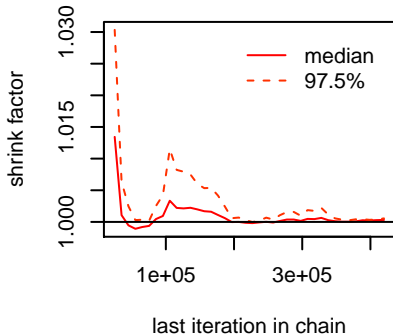
VAAN_CN_s.CollarID.149.633



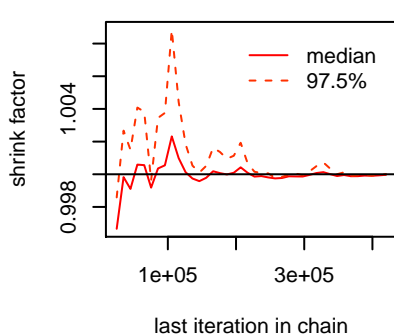
VAAN_CN_s.CollarID.149.673



VAAN_CN_s.CollarID.150.032



VAAN_CN_s.CollarID.150.052



VAAN_CN_s.CollarID.150.072

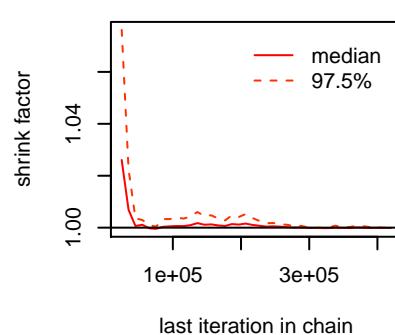
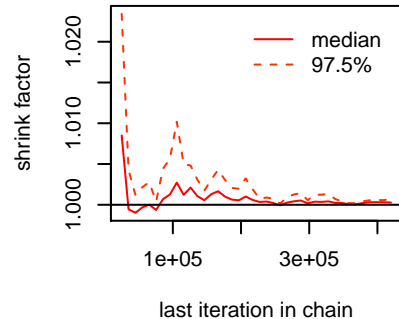
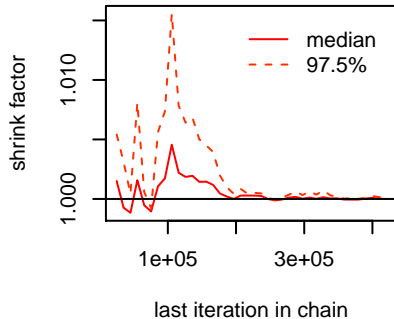
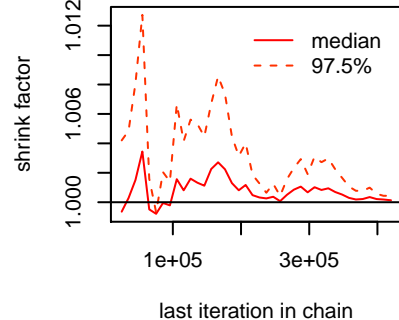
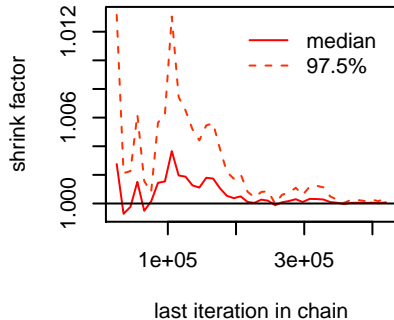


Figure 10: Evolution of the effective sample size (ESS) for the median and 97.5% quantile of the posterior distribution over the last iteration in the chain. The plot shows two lines: a solid red line for the median and a dashed red line for the 97.5% quantile. Both lines start at high ESS values (around 1.025 for the median and 1.025 for the 97.5% quantile) and rapidly decrease, stabilizing around 1.00 after approximately 1e+05 iterations.



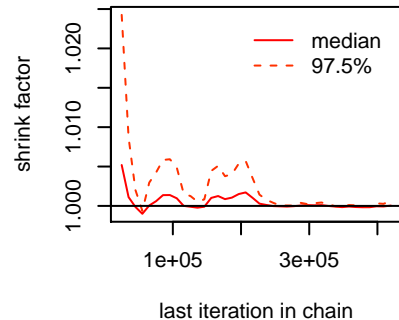
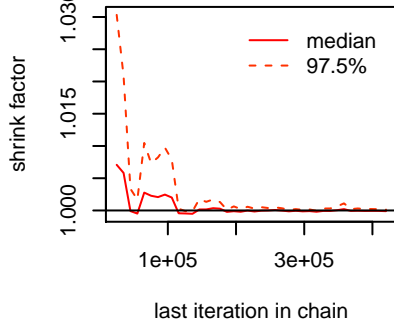
A line plot showing the distribution of the last iteration in chain. The x-axis is labeled 'last iteration in chain' and has major ticks at 1e+05 and 3e+05. The y-axis has major ticks at 1.000 and 1.010. Two lines are plotted: a solid red line for the 'median' and a dashed red line for the '97.5%' quantile. The median line starts at approximately 1.000, has a small peak around 1e+05, and then remains relatively flat. The 97.5% line starts at approximately 1.000, has a very sharp peak reaching above 1.010 around 1e+05, and then remains relatively flat.



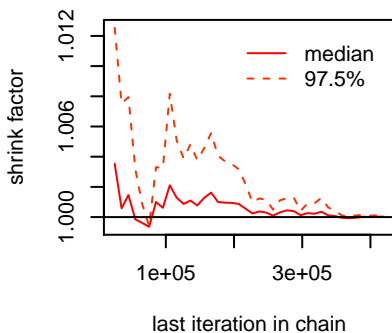
number of iterations

— median
- - - 97.5%

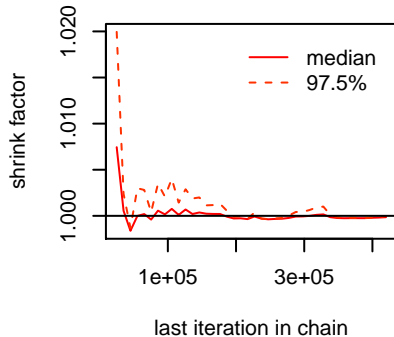
last iteration in chain



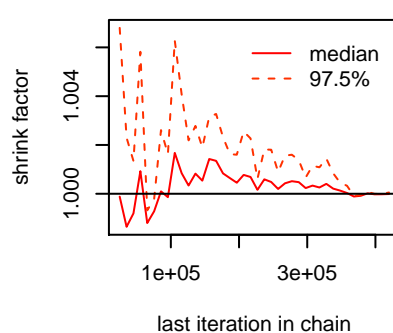
VAAN_CN_s.CollarID.150.332



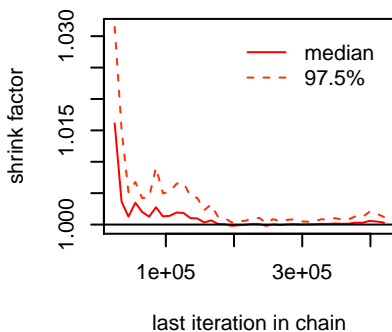
VAAN_CN_s.CollarID.150.373



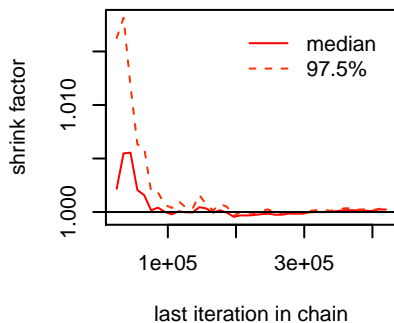
VAAN_CN_s.CollarID.150.392



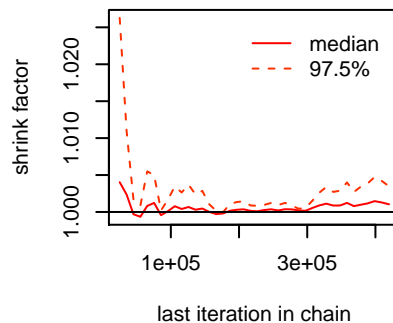
(Intercept).CollarID.149.093



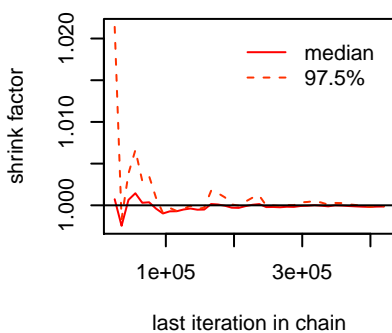
(Intercept).CollarID.149.124



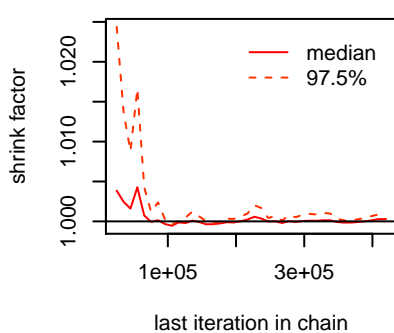
(Intercept).CollarID.149.173



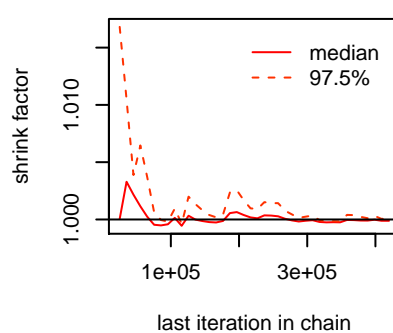
(Intercept).CollarID.149.213



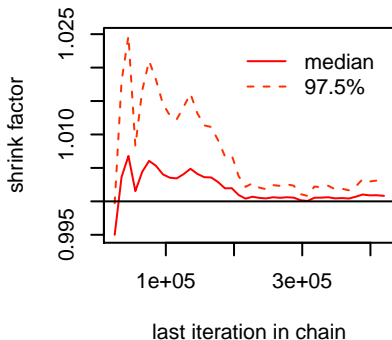
(Intercept).CollarID.149.233



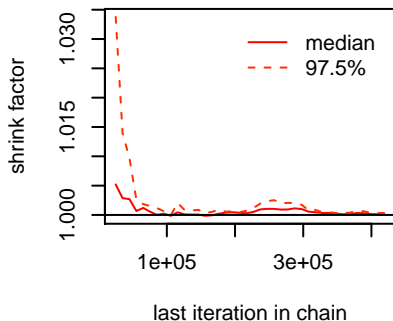
(Intercept).CollarID.149.294



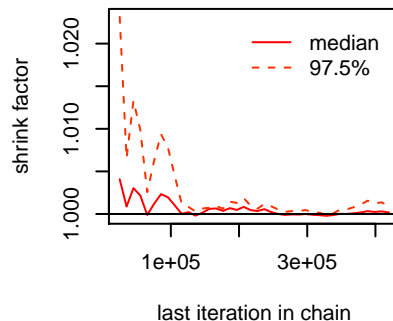
(Intercept).CollarID.149.394



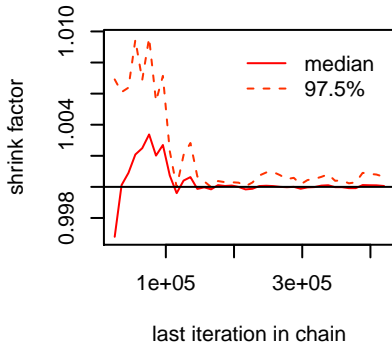
(Intercept).CollarID.149.423



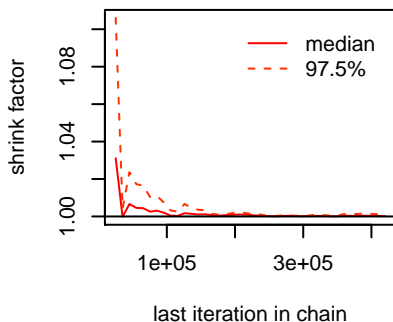
(Intercept).CollarID.149.452



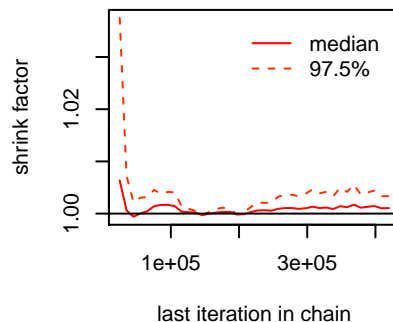
(Intercept).CollarID.149.513



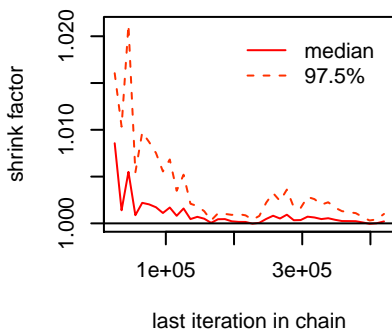
(Intercept).CollarID.149.535



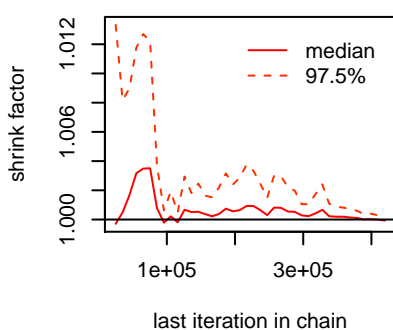
(Intercept).CollarID.149.594



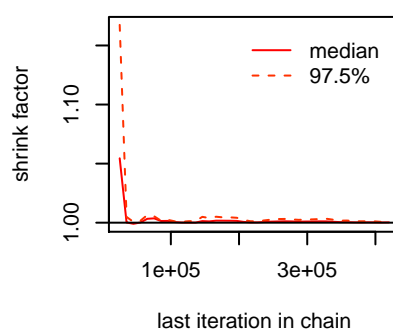
(Intercept).CollarID.149.613



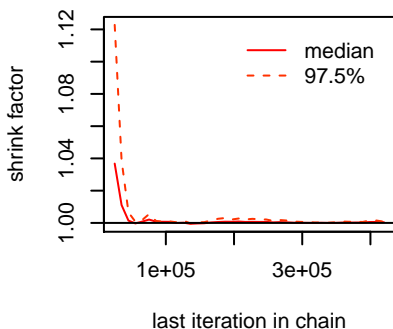
(Intercept).CollarID.149.633



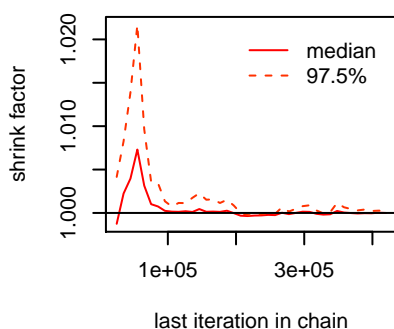
(Intercept).CollarID.149.673



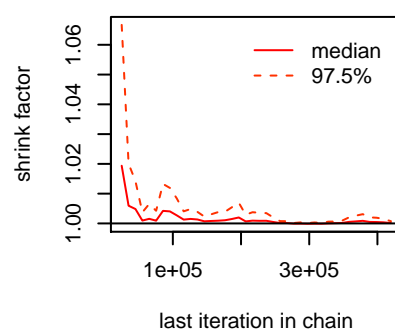
(Intercept).CollarID.150.032



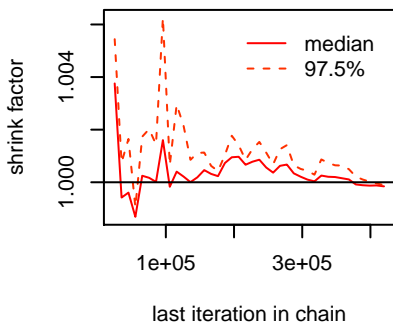
(Intercept).CollarID.150.052



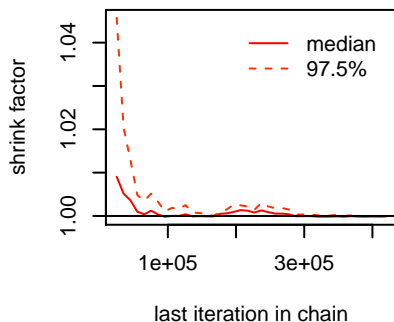
(Intercept).CollarID.150.072



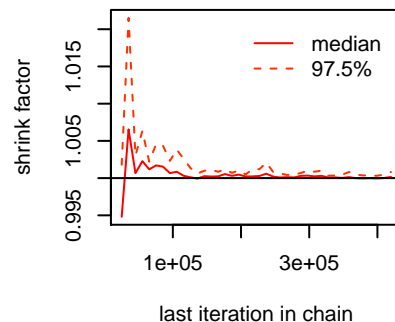
(Intercept).CollarID.150.091



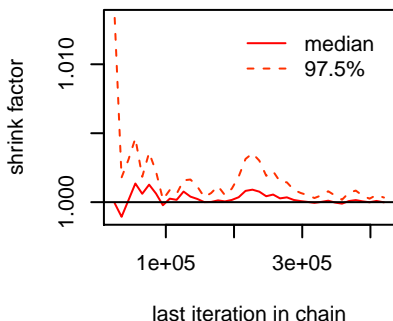
(Intercept).CollarID.150.111



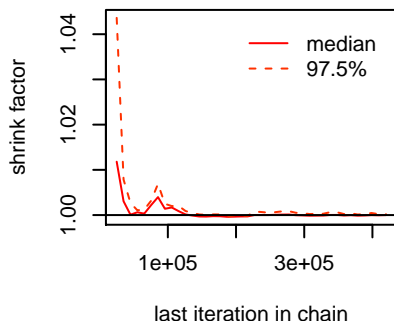
(Intercept).CollarID.150.132



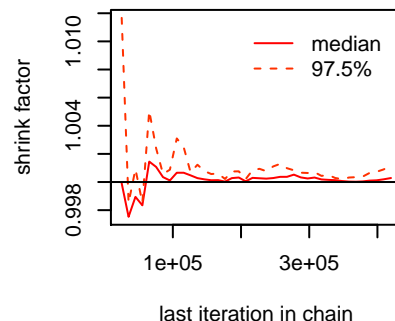
(Intercept).CollarID.150.154



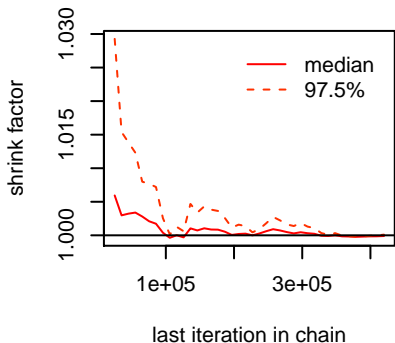
(Intercept).CollarID.150.173



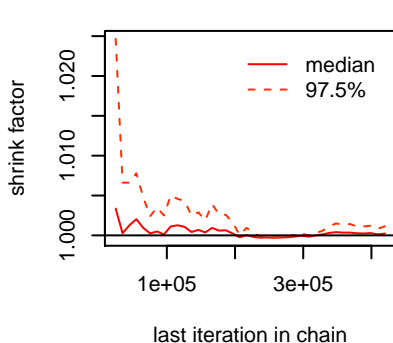
(Intercept).CollarID.150.191



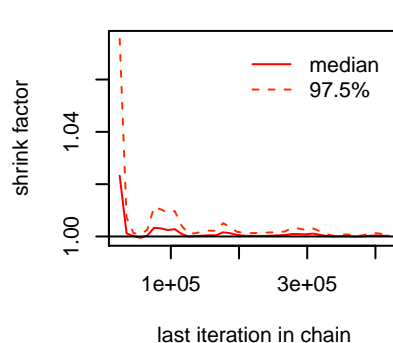
(Intercept).CollarID.150.232



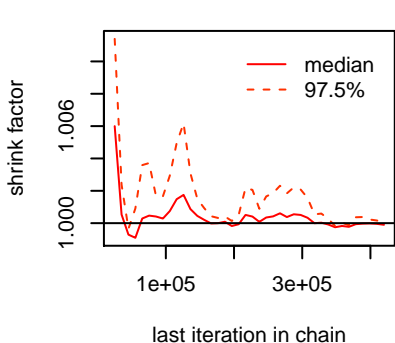
(Intercept).CollarID.150.273



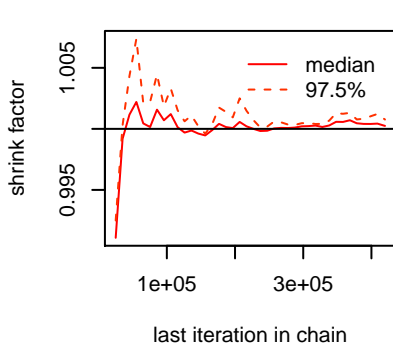
(Intercept).CollarID.150.314



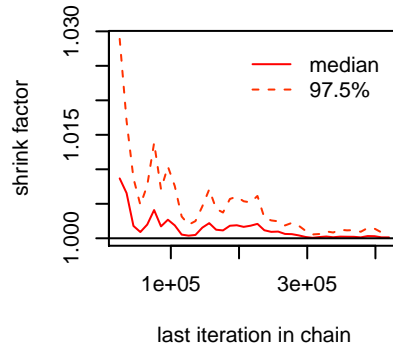
(Intercept).CollarID.150.332



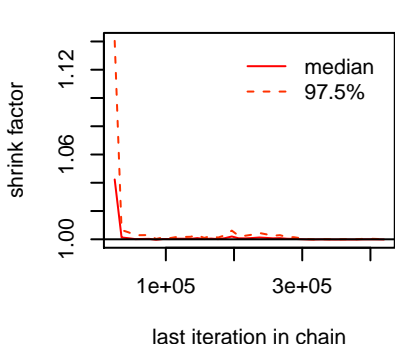
(Intercept).CollarID.150.373



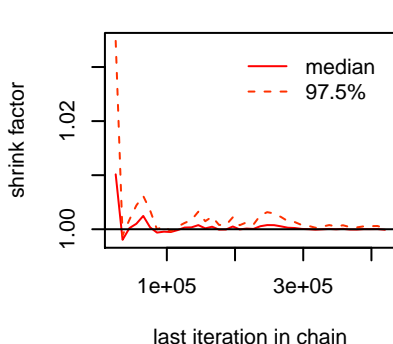
(Intercept).CollarID.150.392



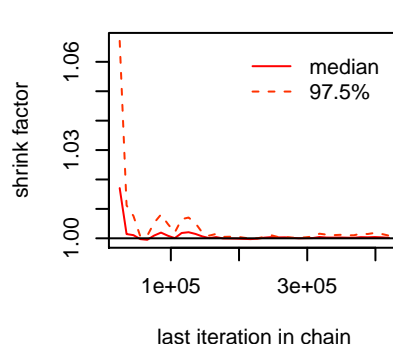
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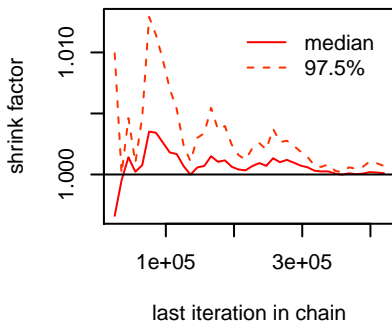
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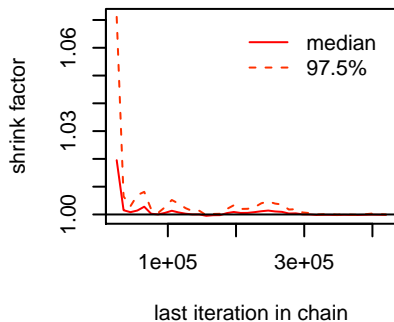
overPCA_s.CollarID.149.173



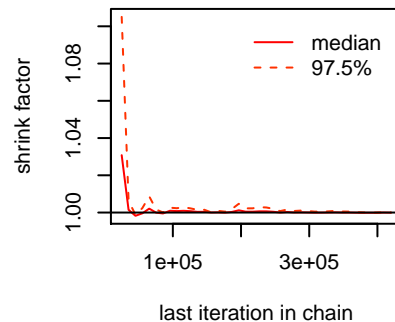
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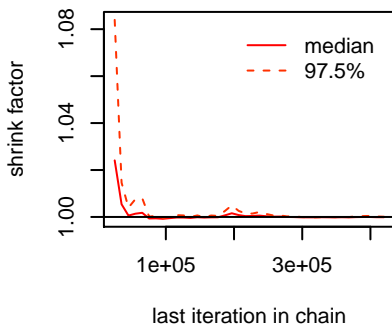
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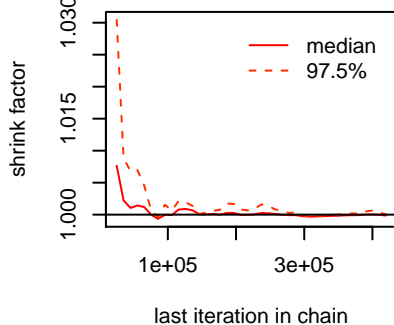
overPCA_s.CollarID.149.294



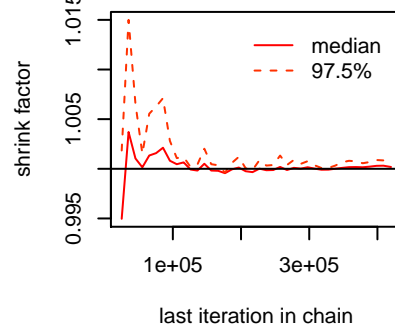
overPCA_s.CollarID.149.394



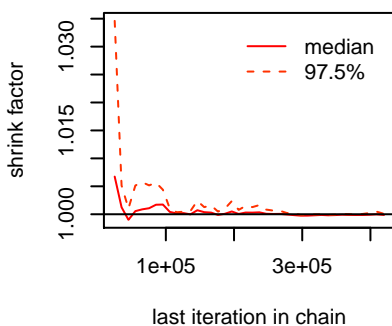
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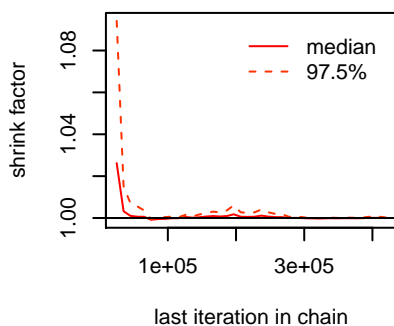
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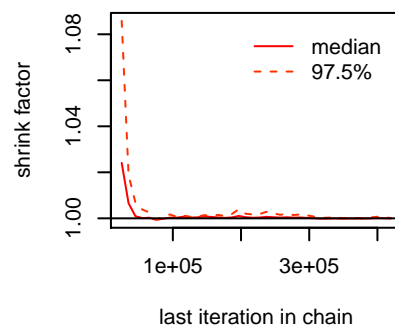
overPCA_s.CollarID.149.513



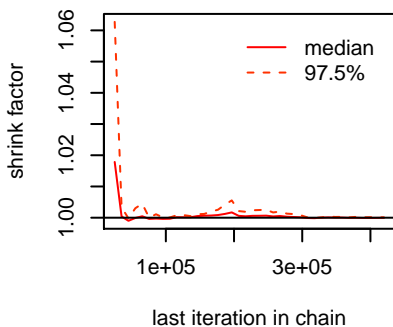
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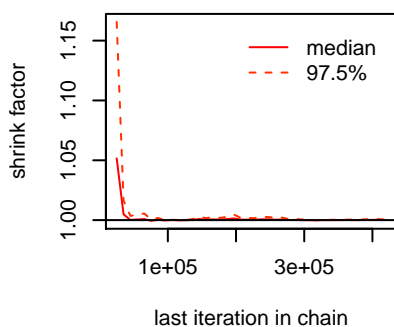
overPCA_s.CollarID.149.594



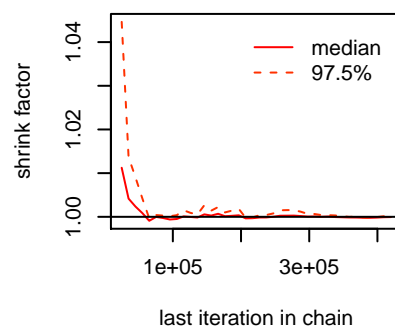
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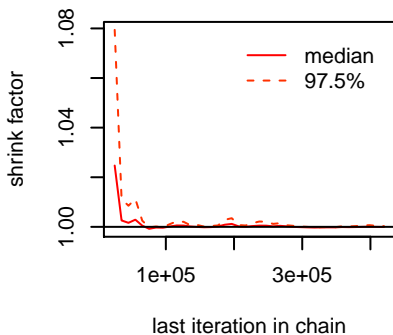
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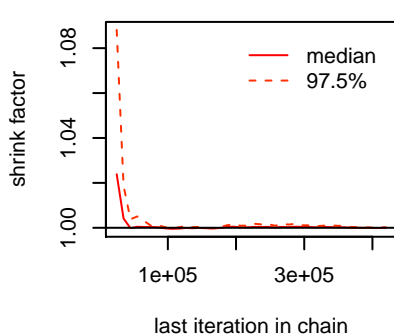
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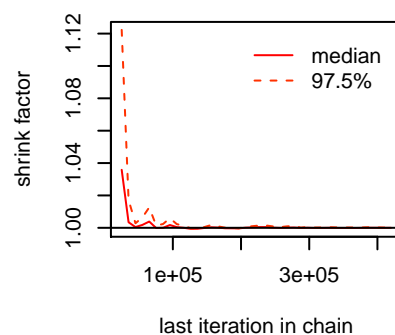
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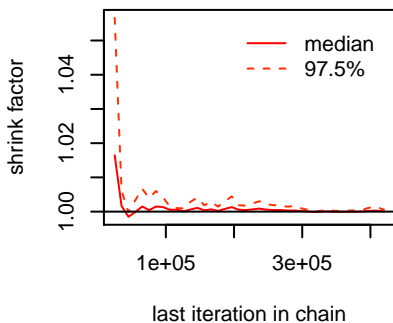
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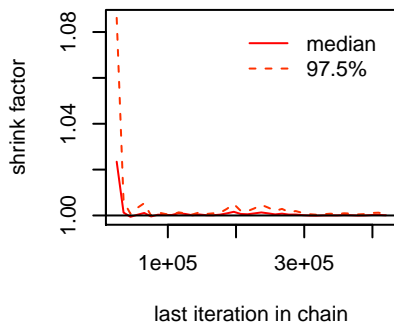
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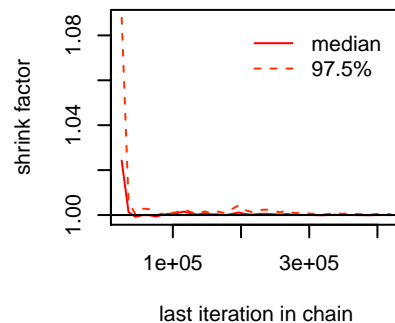
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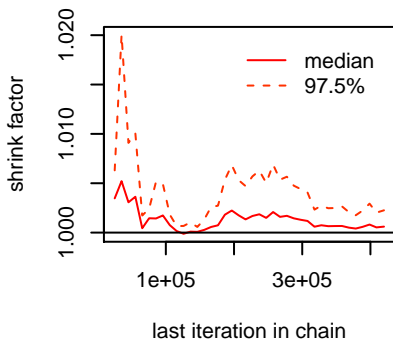
overPCA s.CollarID.150.111



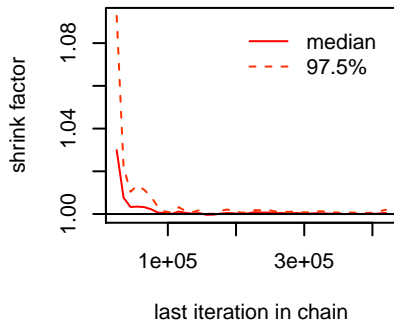
overPCA s.CollarID.150.132



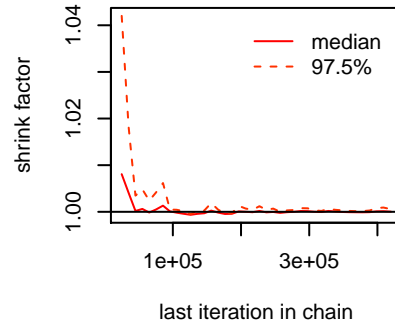
(Intercept).CollarID.149.093



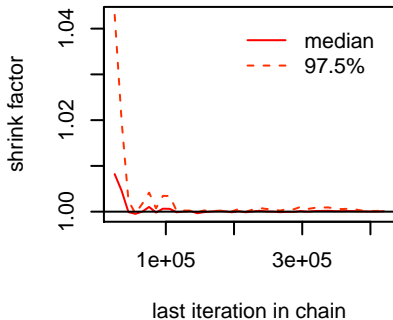
(Intercept).CollarID.149.124



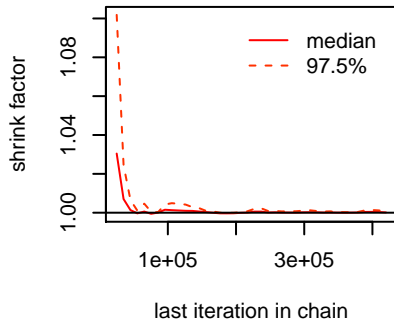
(Intercept).CollarID.149.173



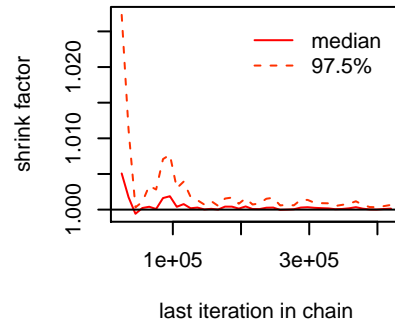
(Intercept).CollarID.149.213



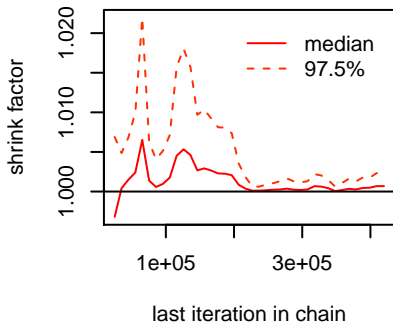
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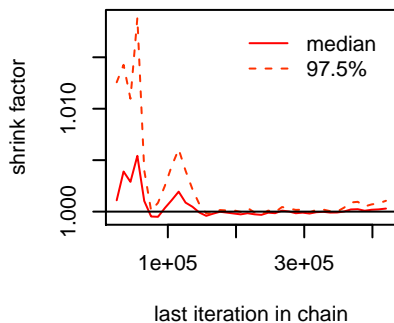
(Intercept).CollarID.149.294



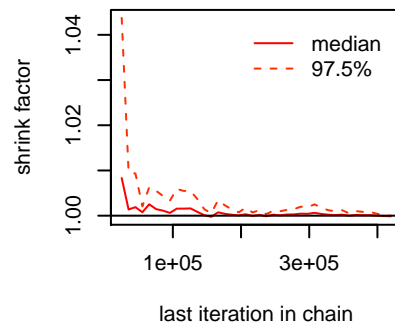
(Intercept).CollarID.149.394



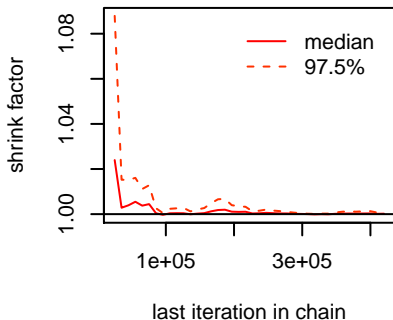
(Intercept).CollarID.149.423



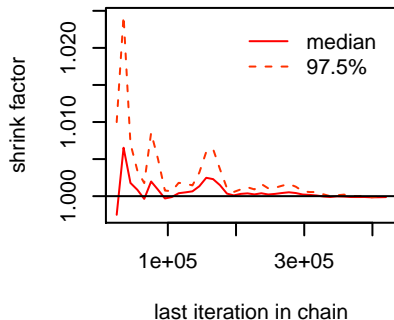
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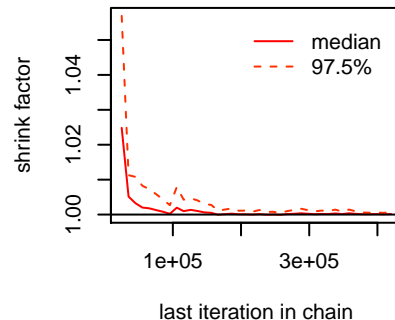
(Intercept).CollarID.149.513



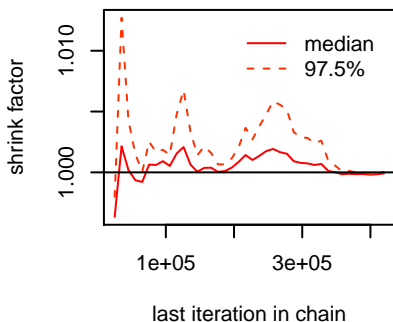
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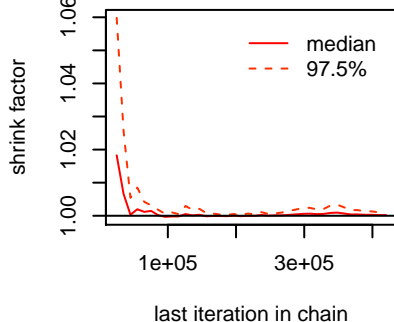
(Intercept).CollarID.149.594



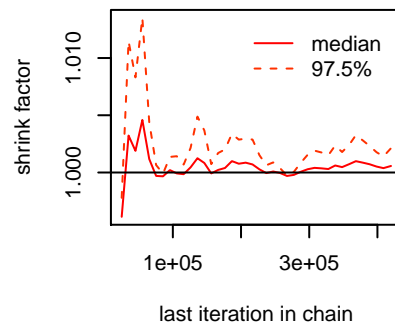
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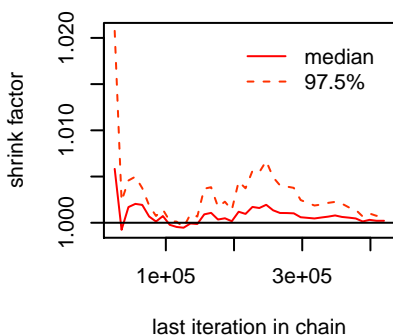
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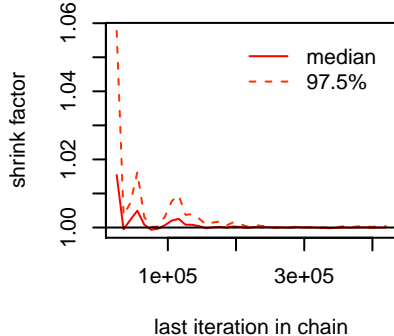
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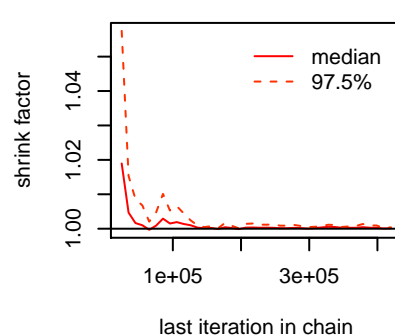
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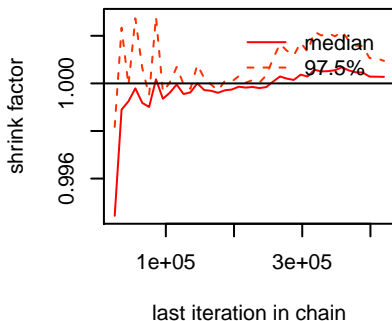
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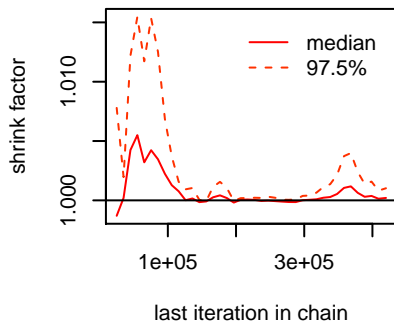
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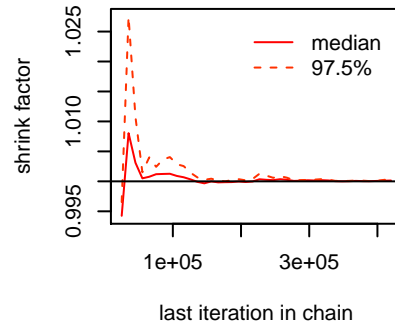
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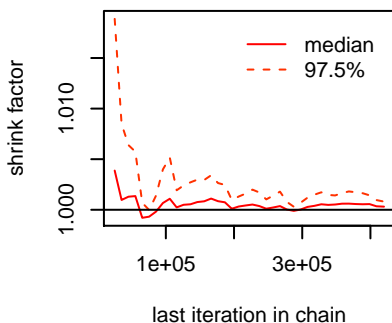
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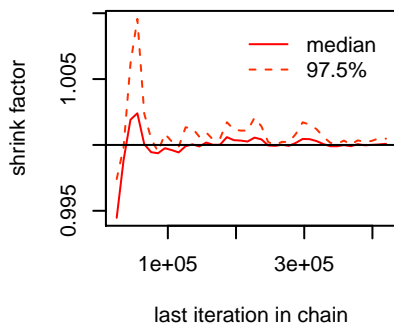
(Intercept).CollarID.150.132



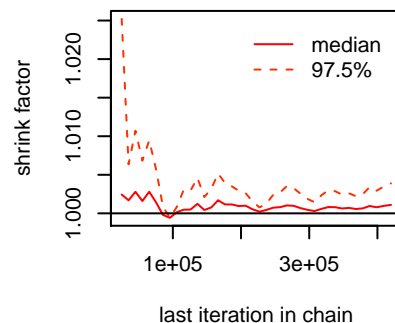
(Intercept).CollarID.150.154



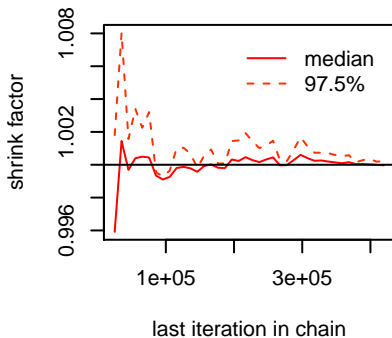
(Intercept).CollarID.150.173



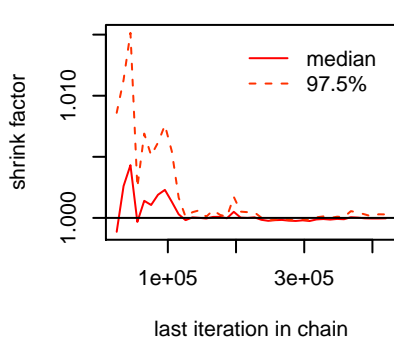
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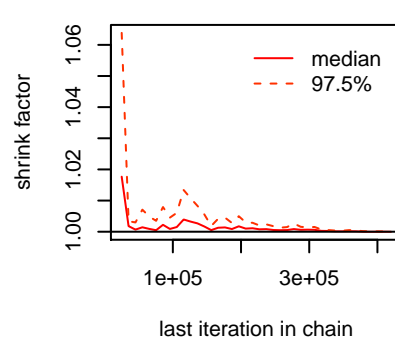
(Intercept).CollarID.150.232



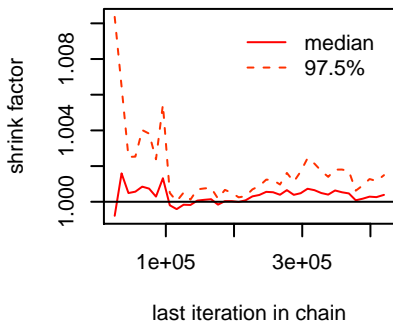
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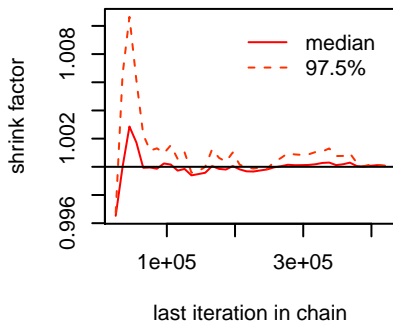
(Intercept).CollarID.150.314



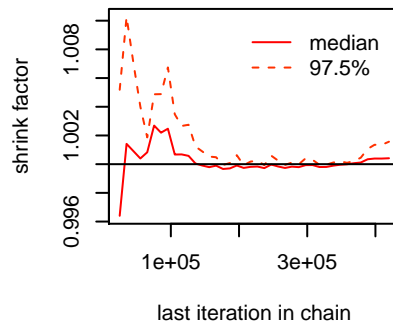
(Intercept).CollarID.150.332



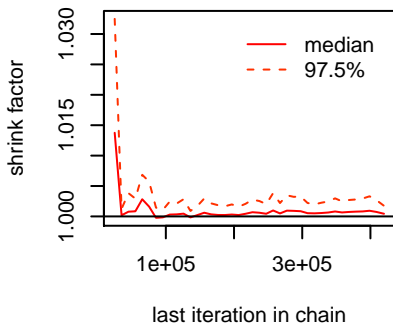
(Intercept).CollarID.150.373



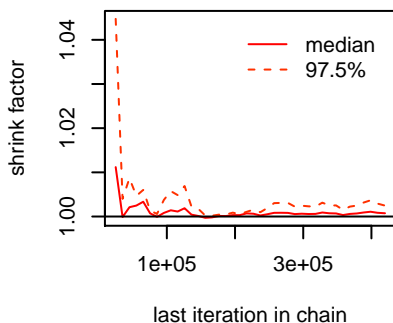
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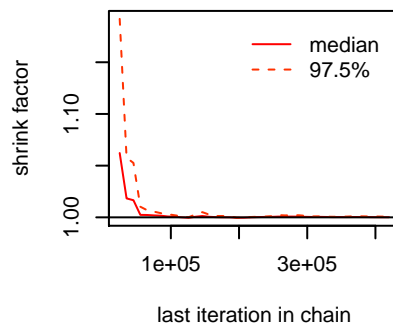
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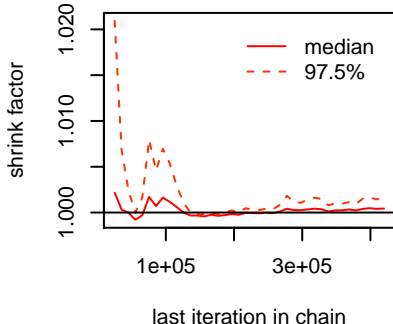
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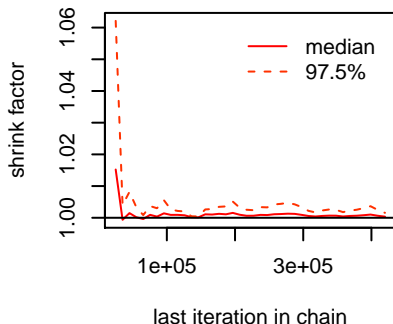
VAAN_CP_s.CollarID.149.173



VAAN_CP_s.CollarID.149.213



VAAN_CP_s.CollarID.149.233



VAAN_CP_s.CollarID.149.294

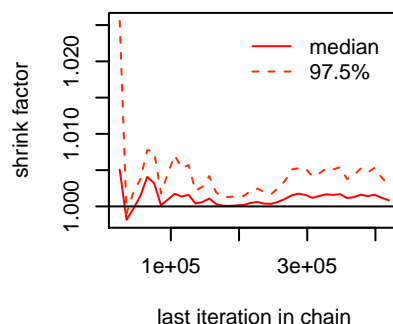


Figure 10: Evolution of the effective sample size (ESS) for the median and 97.5% quantile over the last iteration in chain. The plot shows two lines: a solid red line for the median and a dashed red line for the 97.5% quantile. Both lines start at a high ESS (around 1.025) and drop sharply to around 0.995 by the first iteration. The median ESS then stabilizes around 1.000, while the 97.5% ESS remains slightly higher, around 1.002.

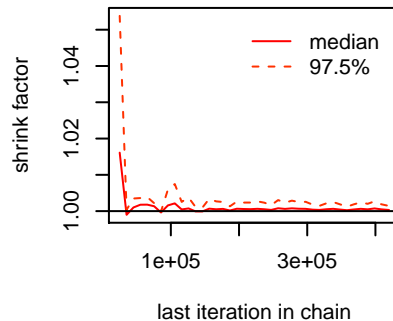
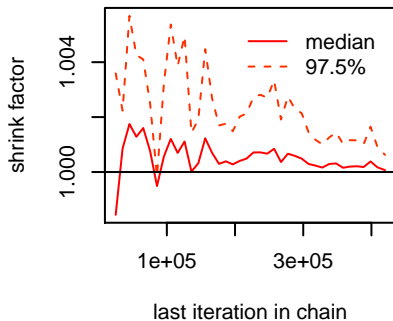
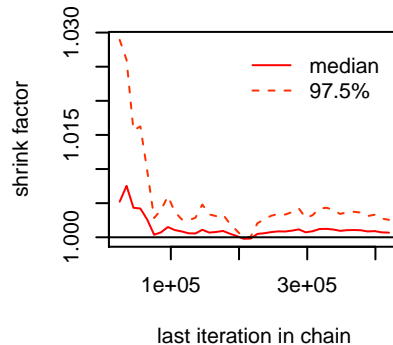
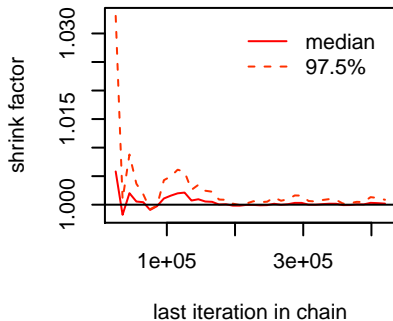
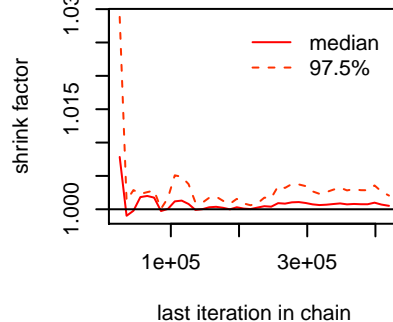
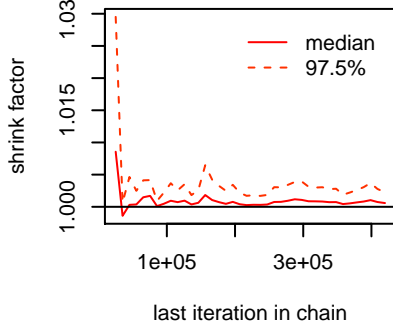
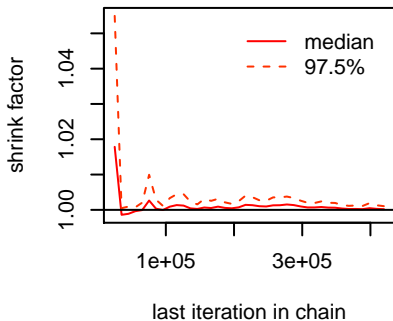


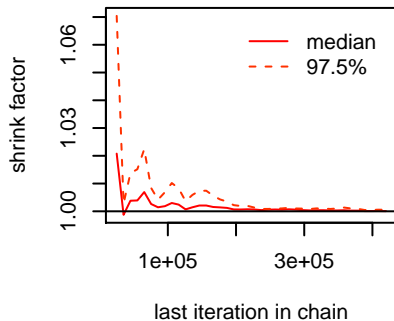
Figure 10: Evolution of the effective sample size (ESS) for the median and 97.5% quantile. The plot shows the ESS on the y-axis (ranging from 0.999 to 1.020) against the last iteration in chain on the x-axis (ranging from 0 to 4e+05). The median ESS (solid red line) starts at approximately 1.005 and stabilizes around 1.000. The 97.5% quantile ESS (dashed red line) starts at approximately 1.020 and stabilizes around 1.000.



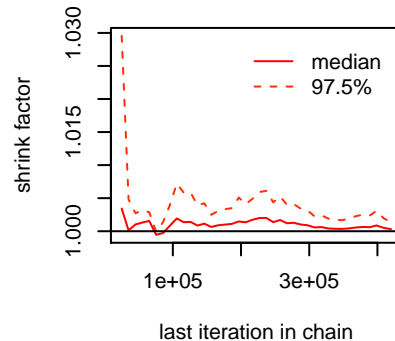
VAAN_CP_s.CollarID.150.232



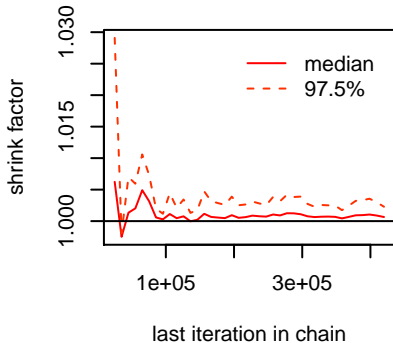
VAAN_CP_s.CollarID.150.273



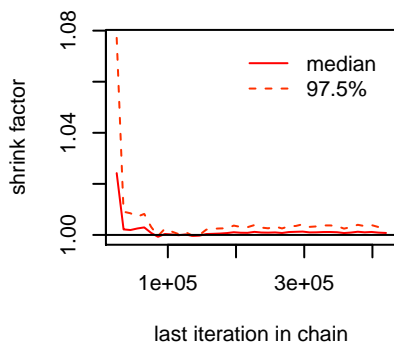
VAAN_CP_s.CollarID.150.314



VAAN_CP_s.CollarID.150.332



VAAN_CP_s.CollarID.150.373



VAAN_CP_s.CollarID.150.392

