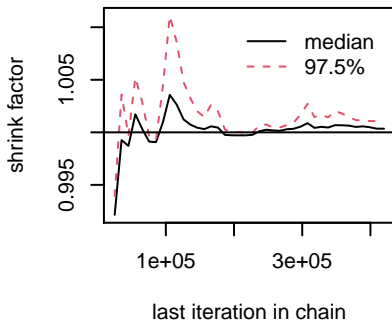
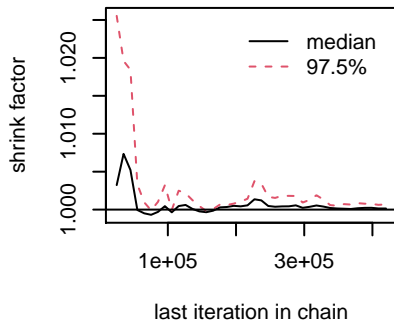


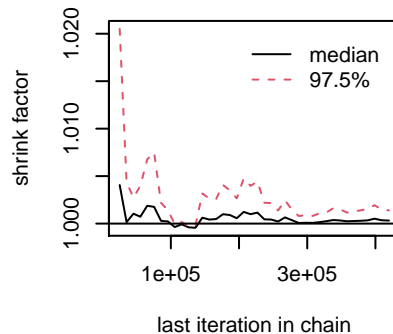
**(Intercept)**



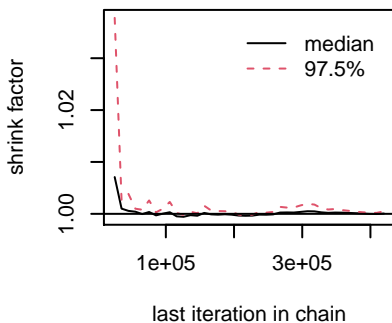
**overPCA\_s**



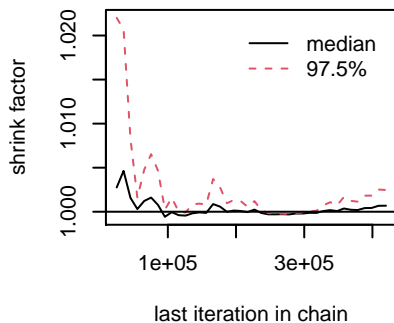
**underPCA\_s**



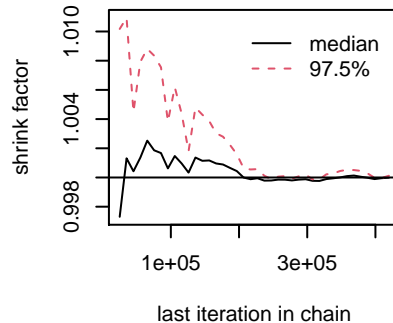
**VAAN\_CN\_s**



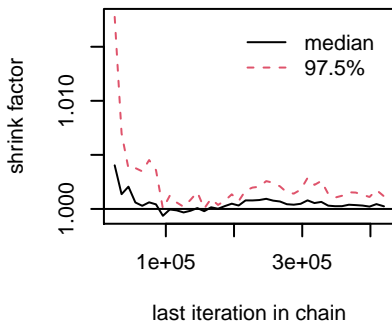
**VAAN\_CP\_s**



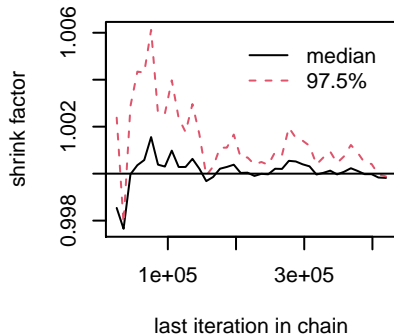
**overPCA\_s:VAAN\_CN\_s**



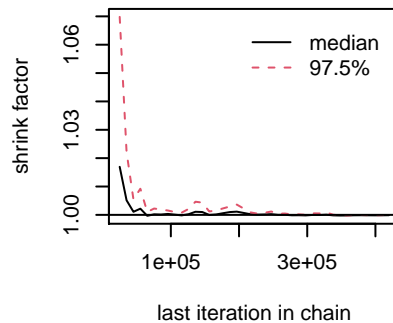
**overPCA\_s:VAAN\_CP\_s**



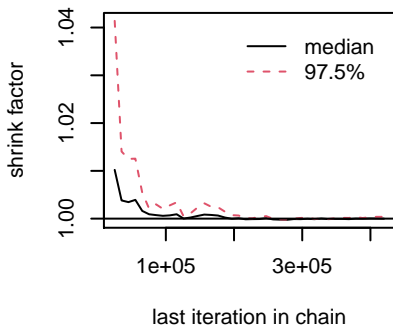
**underPCA\_s:VAAN\_CN\_s**



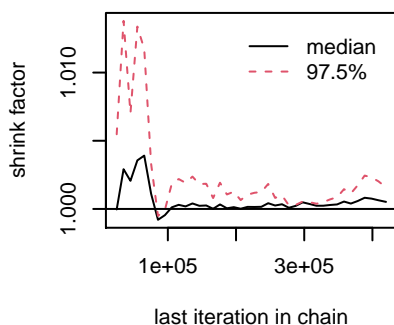
**underPCA\_s:VAAN\_CP\_s**



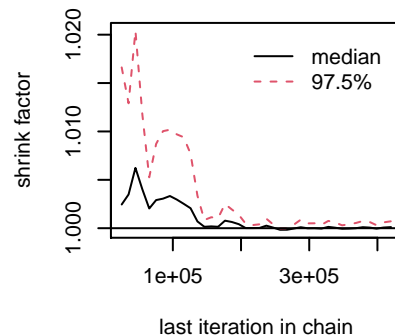
**(Intercept).CollarID.149.093**



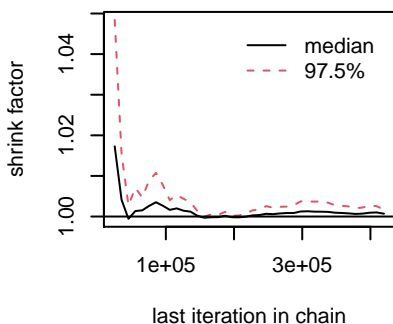
**(Intercept).CollarID.149.124**



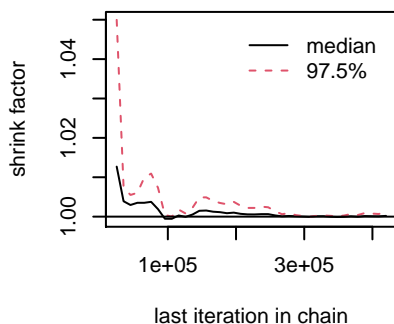
**(Intercept).CollarID.149.173**



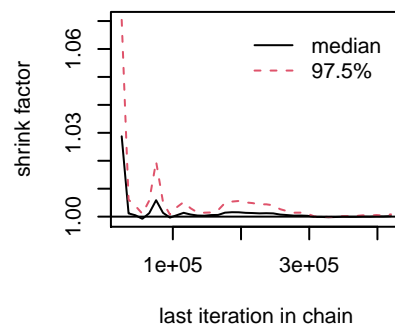
**(Intercept).CollarID.149.213**



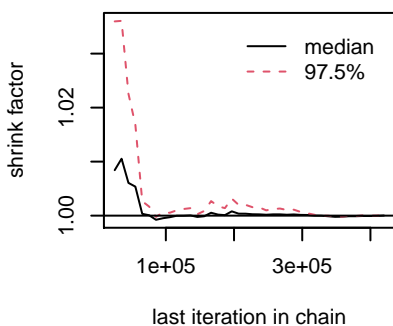
**(Intercept).CollarID.149.233**



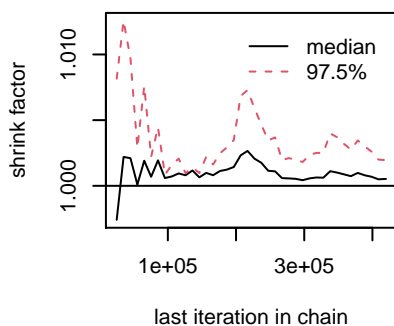
**(Intercept).CollarID.149.294**



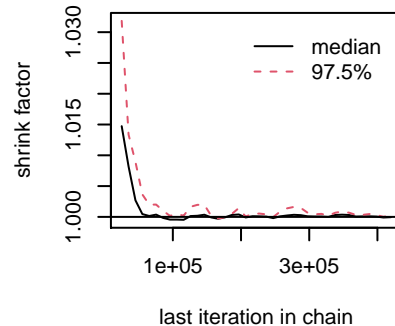
**(Intercept).CollarID.149.394**



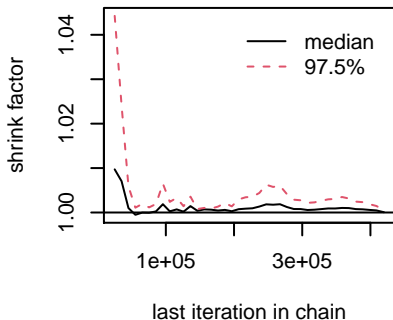
**(Intercept).CollarID.149.423**



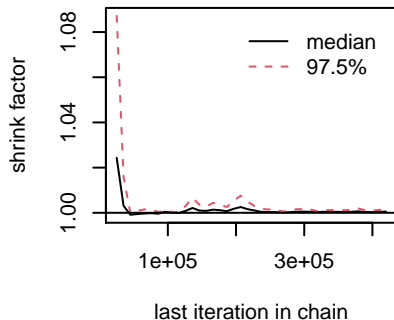
**(Intercept).CollarID.149.452**



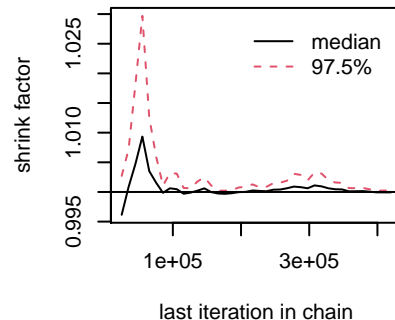
**(Intercept).CollarID.149.513**



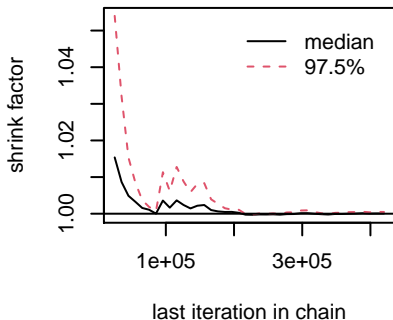
**(Intercept).CollarID.149.535**



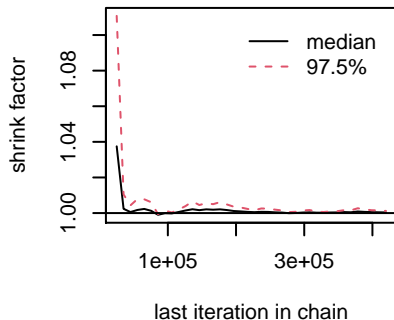
**(Intercept).CollarID.149.594**



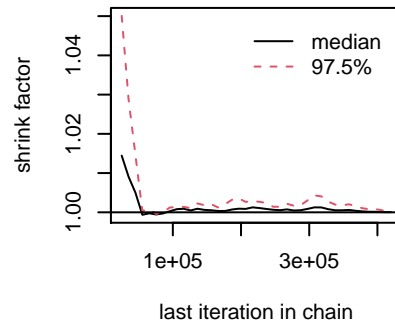
**(Intercept).CollarID.149.613**



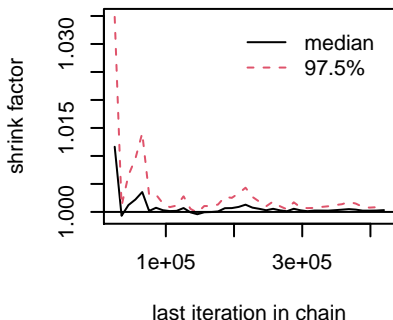
**(Intercept).CollarID.149.633**



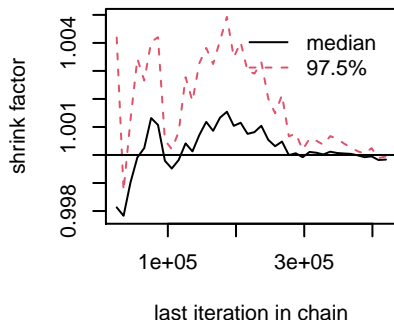
**(Intercept).CollarID.149.673**



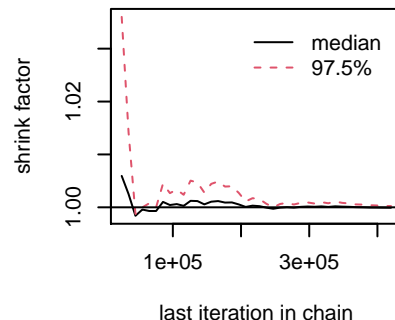
**(Intercept).CollarID.150.032**



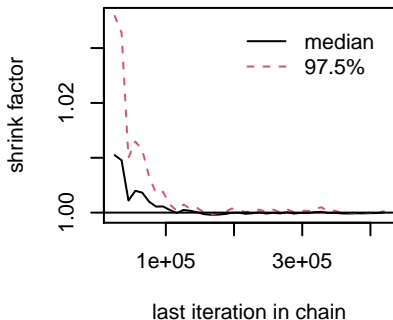
**(Intercept).CollarID.150.052**



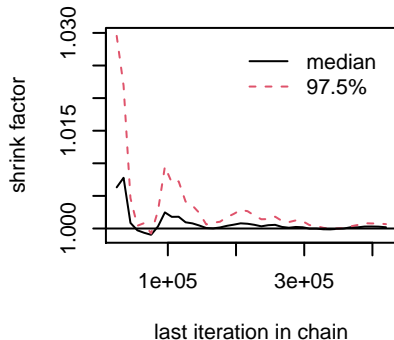
**(Intercept).CollarID.150.072**



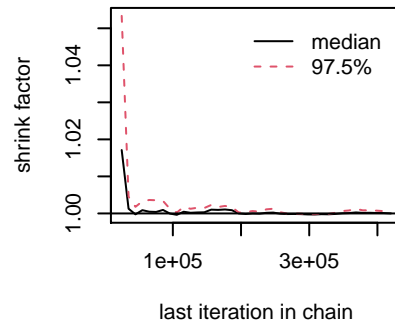
**(Intercept).CollarID.150.091**



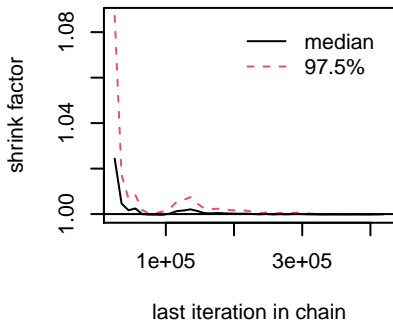
**(Intercept).CollarID.150.111**



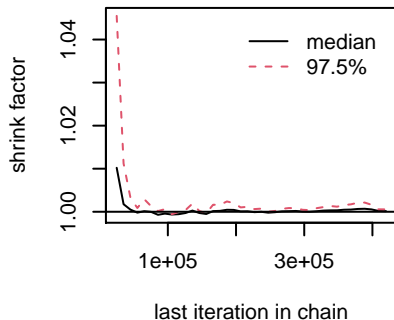
**(Intercept).CollarID.150.132**



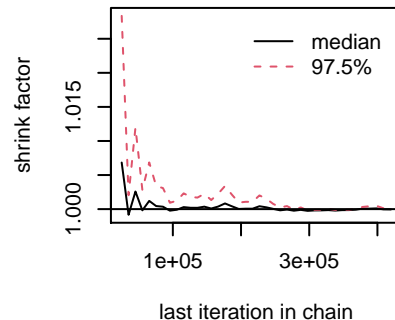
**(Intercept).CollarID.150.154**



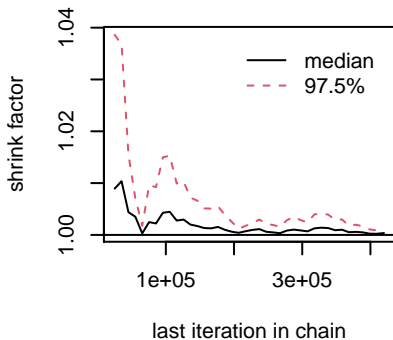
**(Intercept).CollarID.150.173**



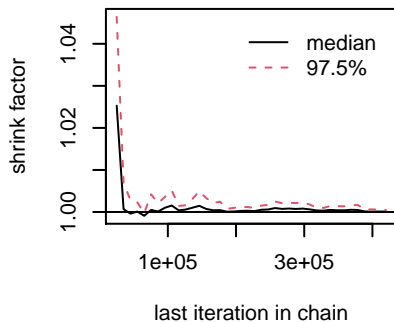
**(Intercept).CollarID.150.191**



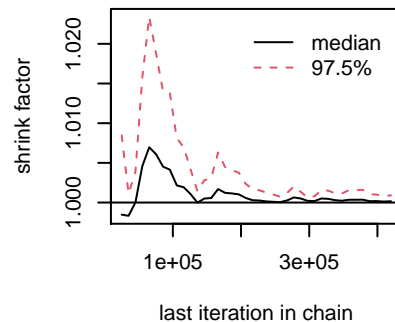
**(Intercept).CollarID.150.232**



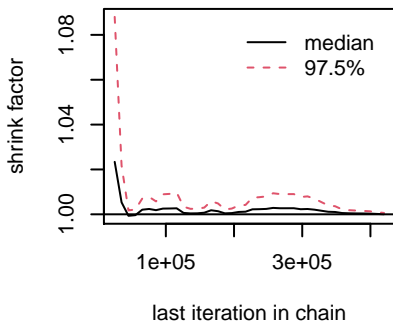
**(Intercept).CollarID.150.273**



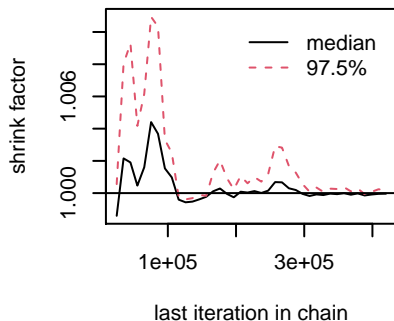
**(Intercept).CollarID.150.314**



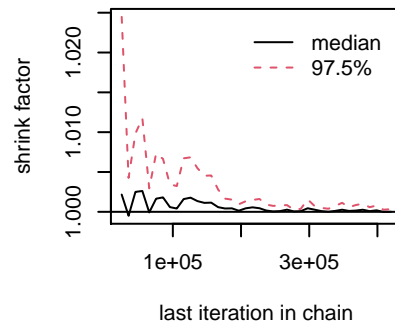
**(Intercept).CollarID.150.332**



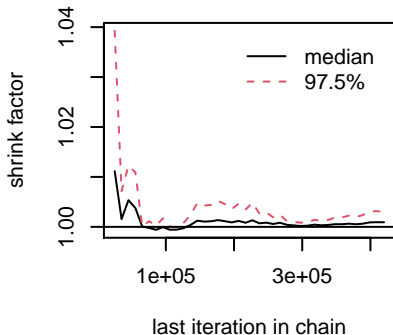
**(Intercept).CollarID.150.373**



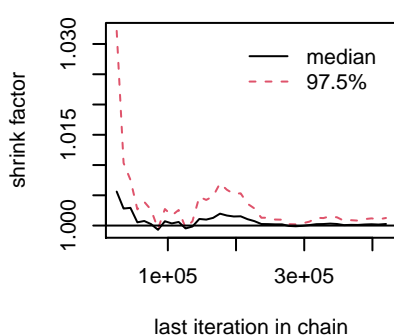
**(Intercept).CollarID.150.392**



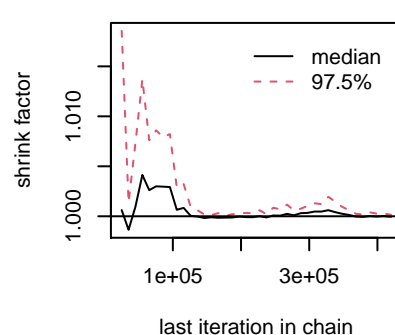
**underPCA\_s.CollarID.149.093**



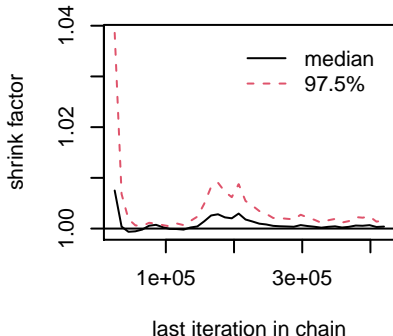
**underPCA\_s.CollarID.149.124**



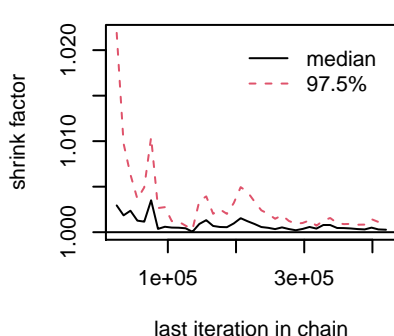
**underPCA\_s.CollarID.149.173**



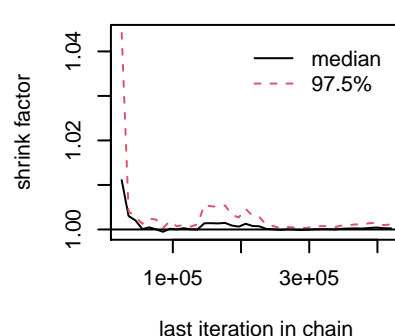
**underPCA\_s.CollarID.149.213**



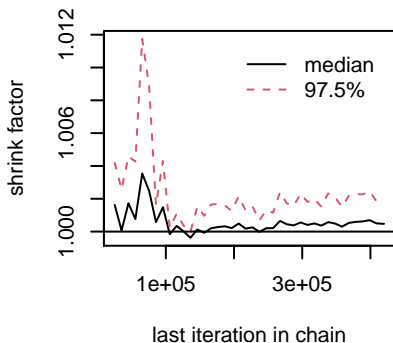
**underPCA\_s.CollarID.149.233**



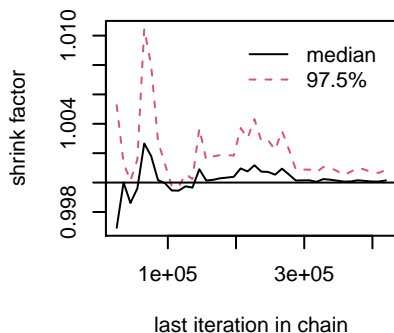
**underPCA\_s.CollarID.149.294**



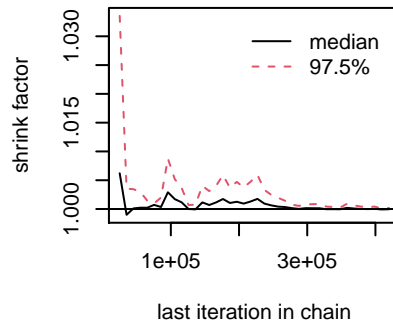
**underPCA\_s.CollarID.149.394**



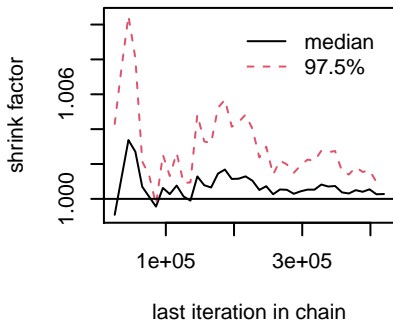
**underPCA\_s.CollarID.149.423**



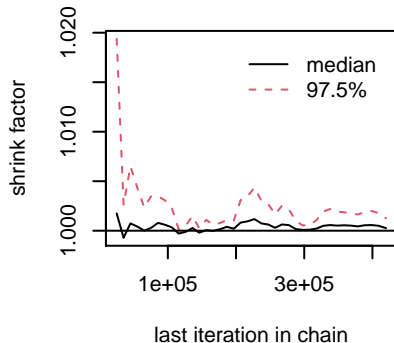
**underPCA\_s.CollarID.149.452**



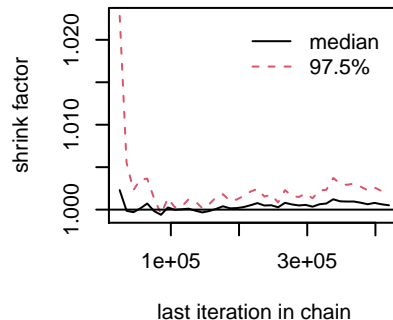
**underPCA\_s.CollarID.149.513**



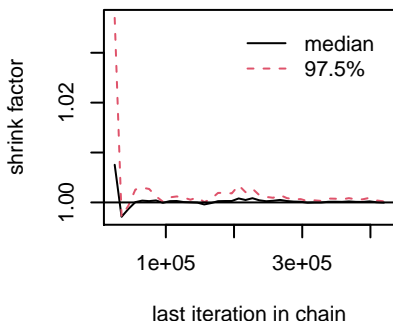
**underPCA\_s.CollarID.149.535**



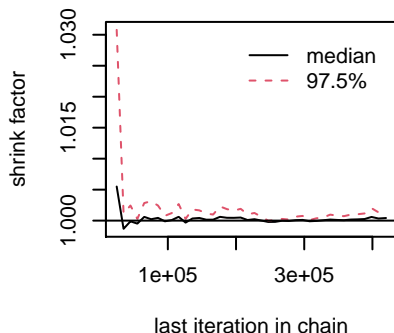
**underPCA\_s.CollarID.149.594**



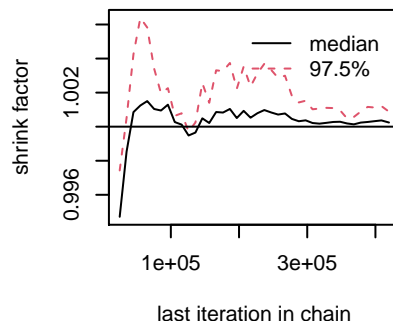
**underPCA\_s.CollarID.149.613**



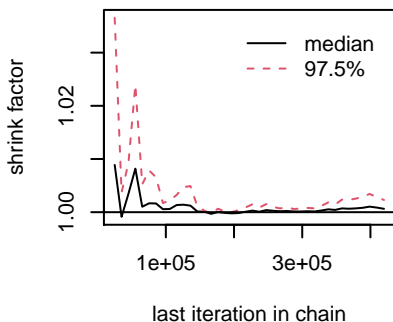
**underPCA\_s.CollarID.149.633**



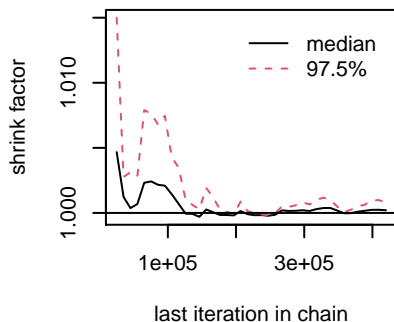
**underPCA\_s.CollarID.149.673**



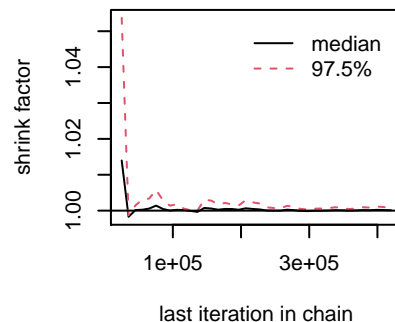
**underPCA\_s.CollarID.150.032**



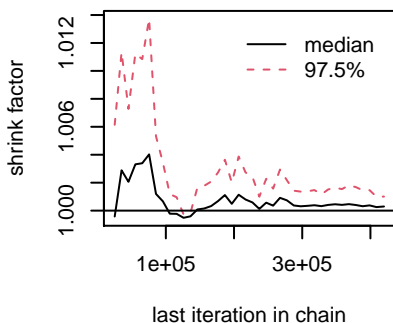
**underPCA\_s.CollarID.150.052**



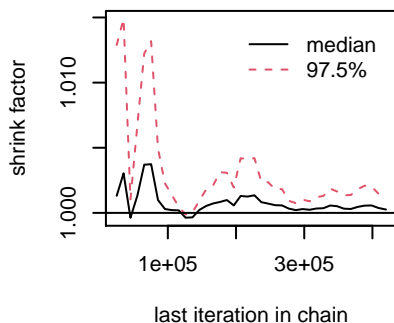
**underPCA\_s.CollarID.150.072**



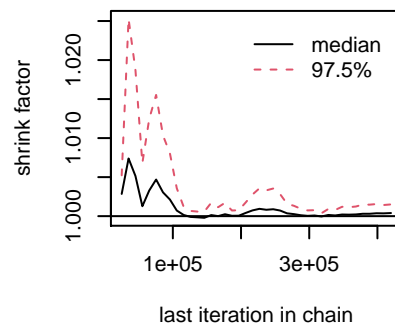
**underPCA\_s.CollarID.150.091**



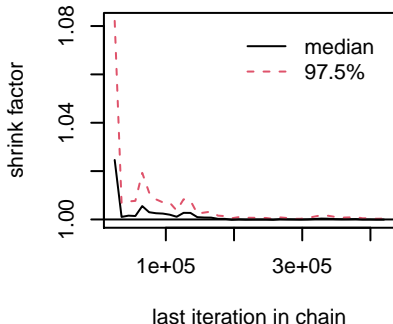
**underPCA\_s.CollarID.150.111**



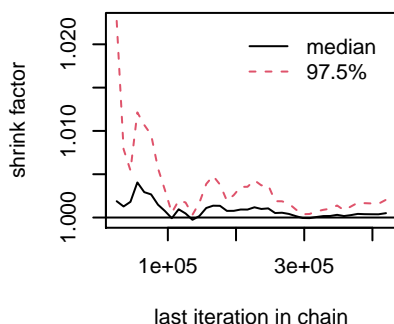
**underPCA\_s.CollarID.150.132**



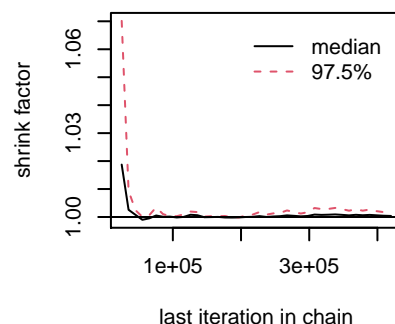
**underPCA\_s.CollarID.150.154**



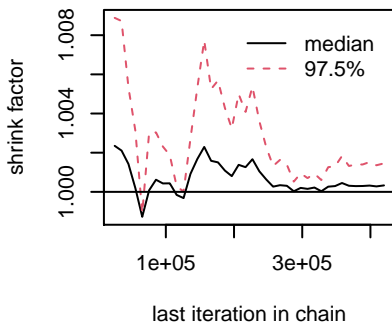
**underPCA\_s.CollarID.150.173**



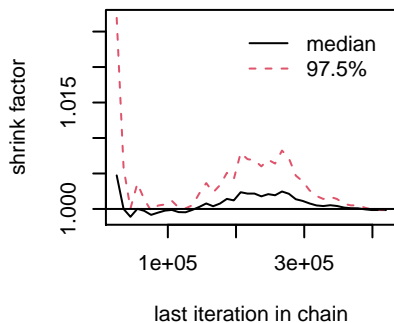
**underPCA\_s.CollarID.150.191**



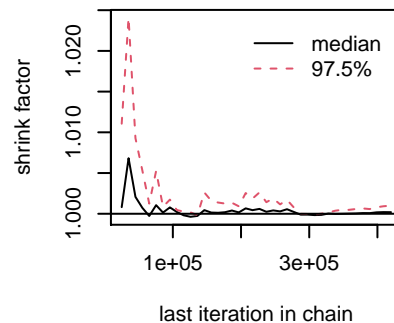
**underPCA\_s.CollarID.150.232**



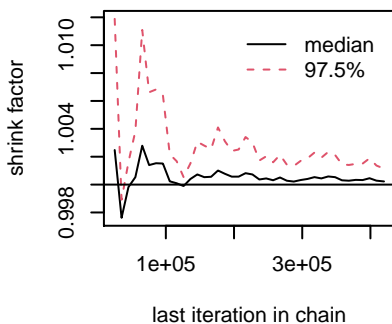
**underPCA\_s.CollarID.150.273**



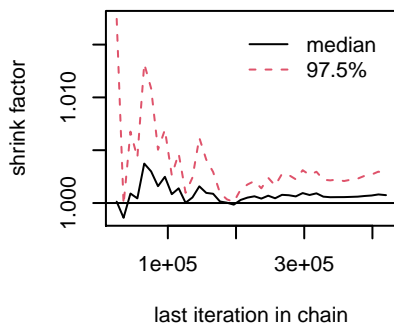
**underPCA\_s.CollarID.150.314**



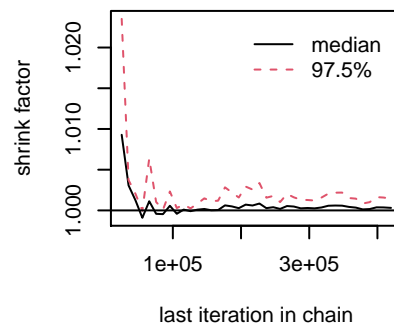
**underPCA\_s.CollarID.150.332**



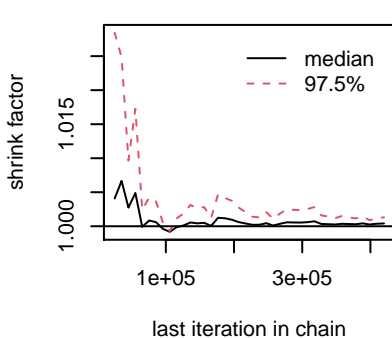
**underPCA\_s.CollarID.150.373**



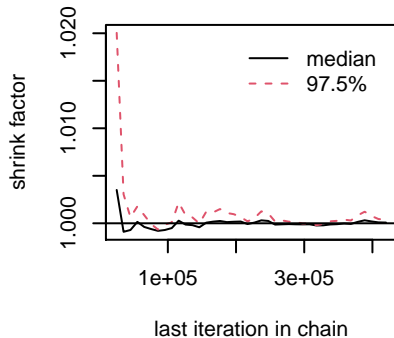
**underPCA\_s.CollarID.150.392**



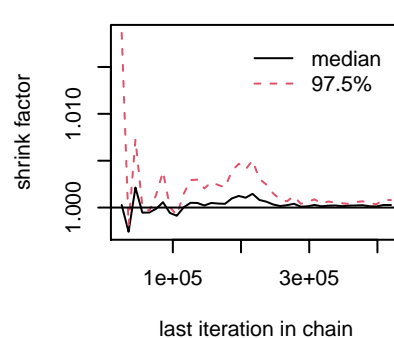
**(Intercept).CollarID.149.093**



**(Intercept).CollarID.149.124**

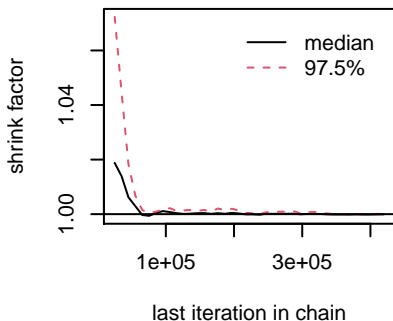


**(Intercept).CollarID.149.173**

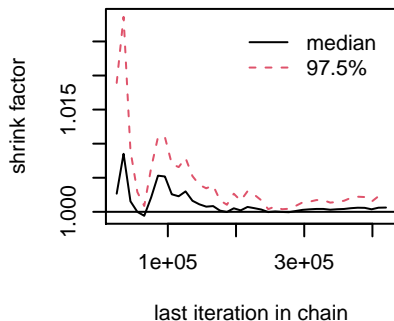




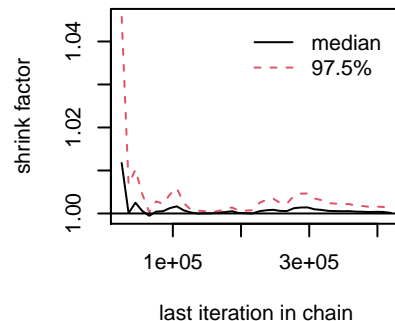
**(Intercept).CollarID.149.213**



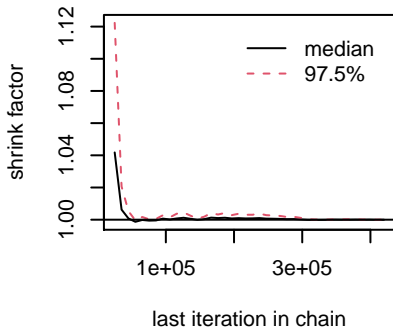
**(Intercept).CollarID.149.233**



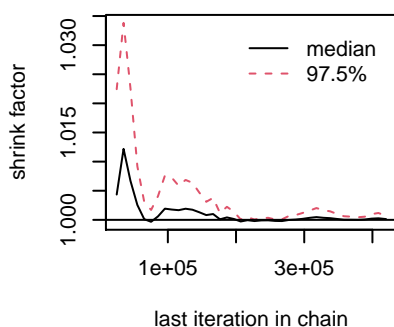
**(Intercept).CollarID.149.294**



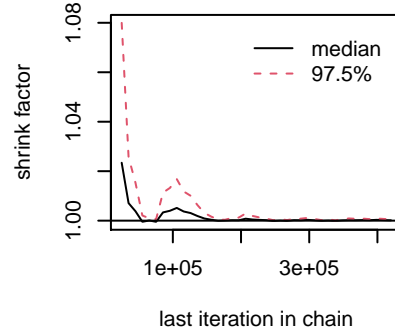
**(Intercept).CollarID.149.394**



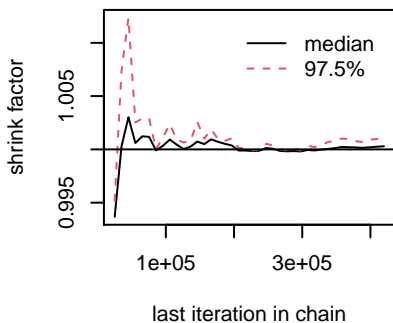
**(Intercept).CollarID.149.423**



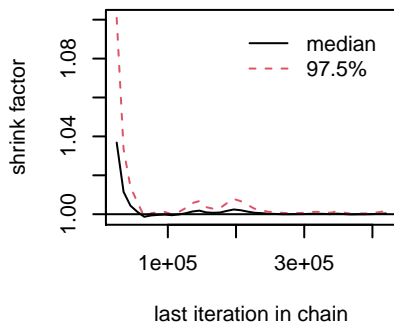
**(Intercept).CollarID.149.452**



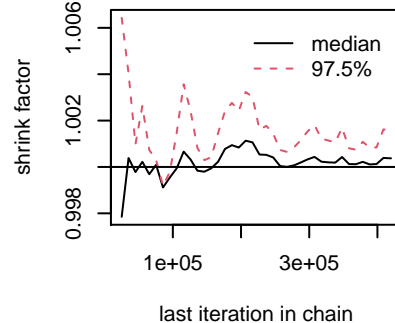
**(Intercept).CollarID.149.513**



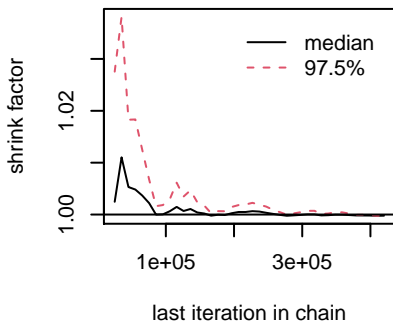
**(Intercept).CollarID.149.535**



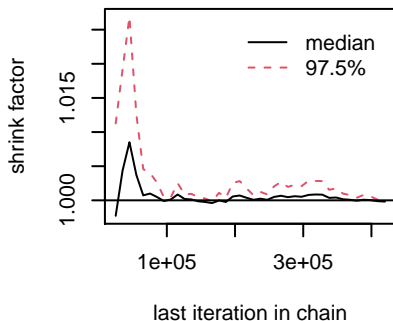
**(Intercept).CollarID.149.594**



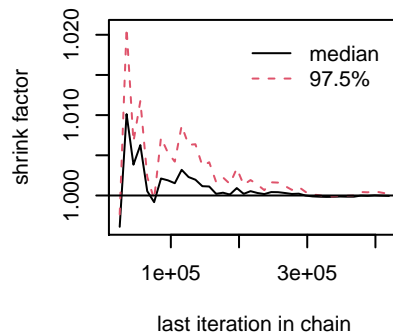
**(Intercept).CollarID.149.613**



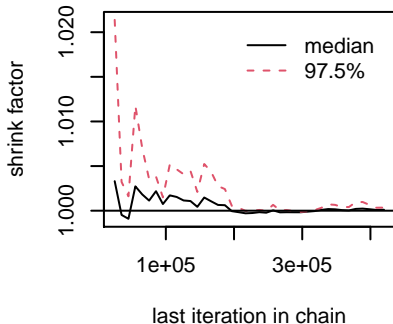
**(Intercept).CollarID.149.633**



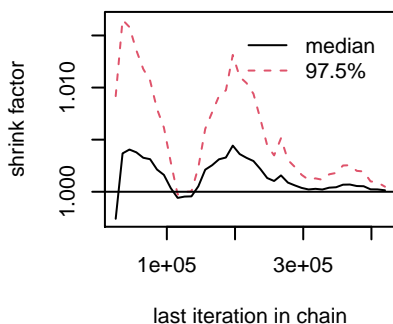
**(Intercept).CollarID.149.673**



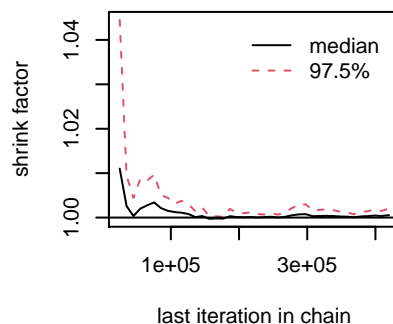
**(Intercept).CollarID.150.032**



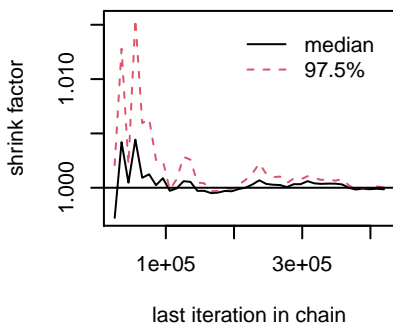
**(Intercept).CollarID.150.052**



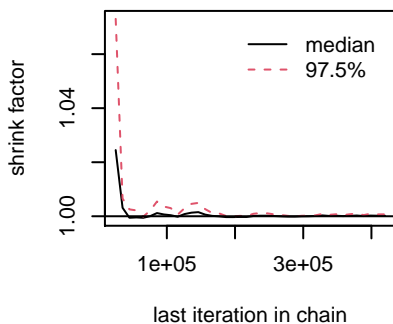
**(Intercept).CollarID.150.072**



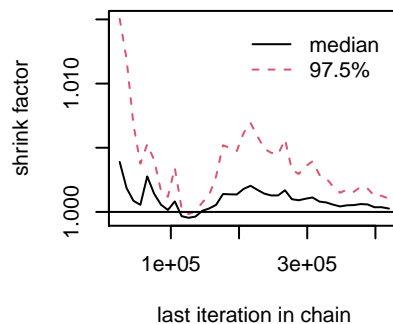
**(Intercept).CollarID.150.091**



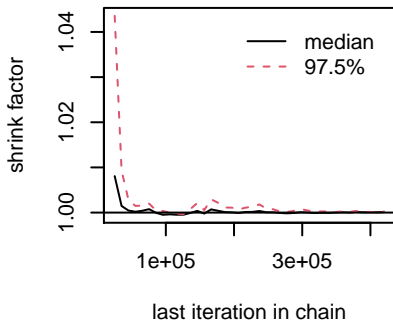
**(Intercept).CollarID.150.111**



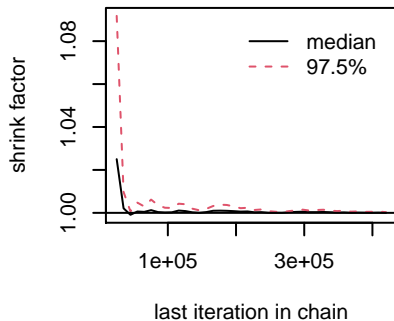
**(Intercept).CollarID.150.132**



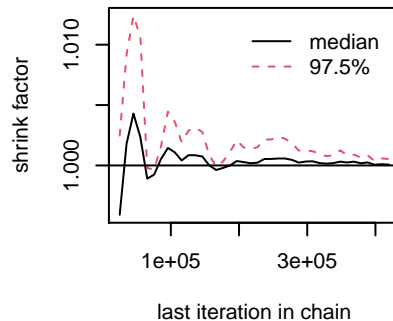
**(Intercept).CollarID.150.154**



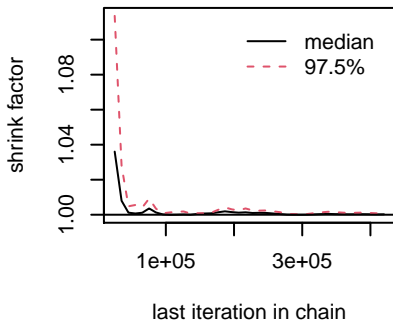
**(Intercept).CollarID.150.173**



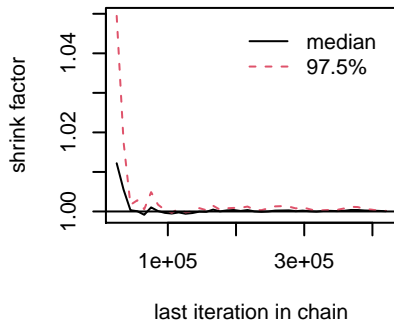
**(Intercept).CollarID.150.191**



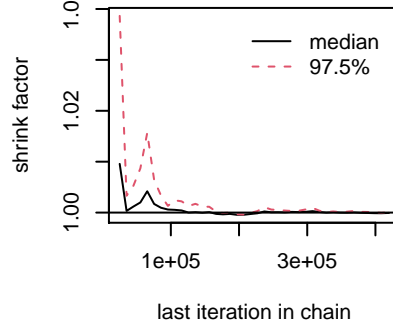
**(Intercept).CollarID.150.232**



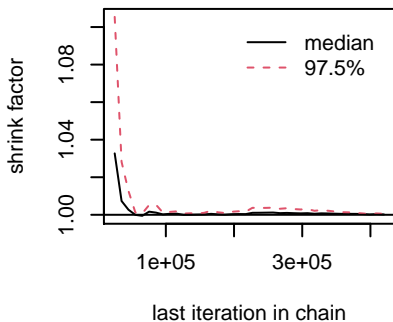
**(Intercept).CollarID.150.273**



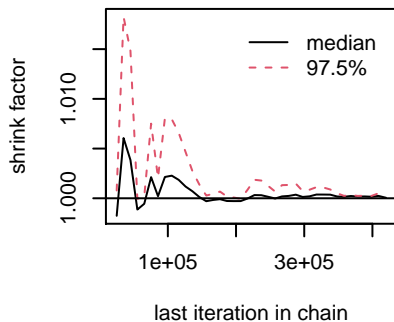
**(Intercept).CollarID.150.314**



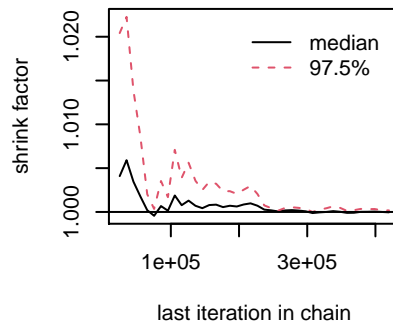
**(Intercept).CollarID.150.332**



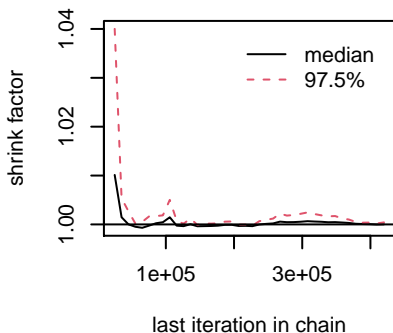
**(Intercept).CollarID.150.373**



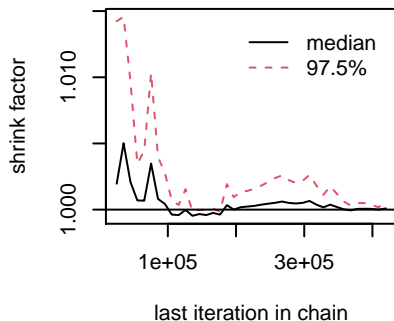
**(Intercept).CollarID.150.392**



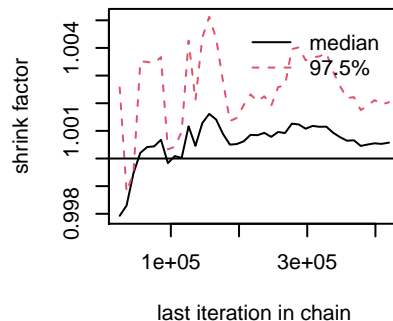
**VAAN\_CN\_s.CollarID.149.093**



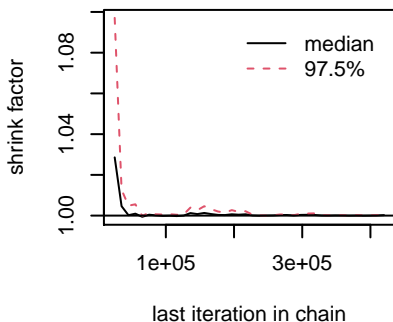
**VAAN\_CN\_s.CollarID.149.124**



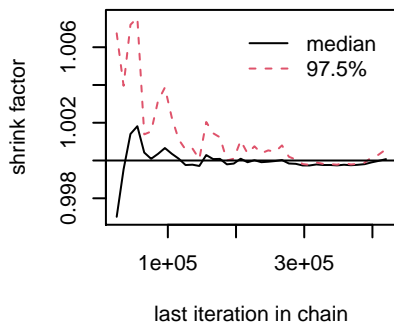
**VAAN\_CN\_s.CollarID.149.173**



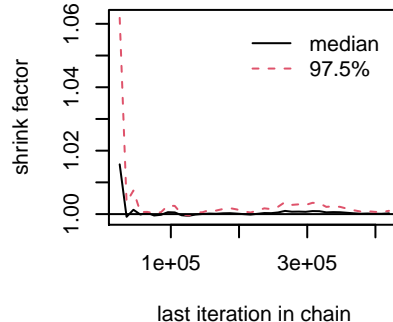
**VAAN\_CN\_s.CollarID.149.213**



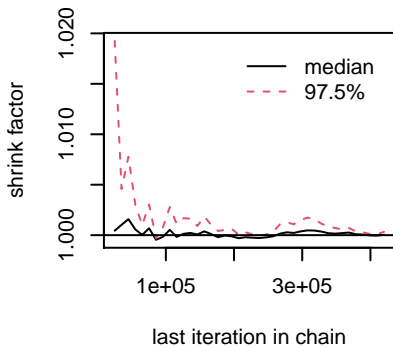
**VAAN\_CN\_s.CollarID.149.233**



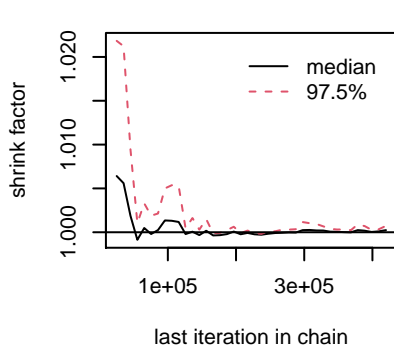
**VAAN\_CN\_s.CollarID.149.294**



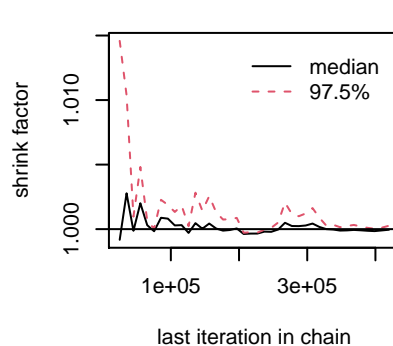
**VAAN\_CN\_s.CollarID.149.394**



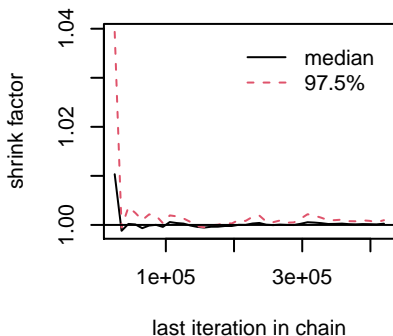
**VAAN\_CN\_s.CollarID.149.423**



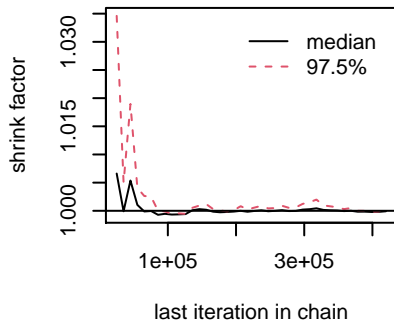
**VAAN\_CN\_s.CollarID.149.452**



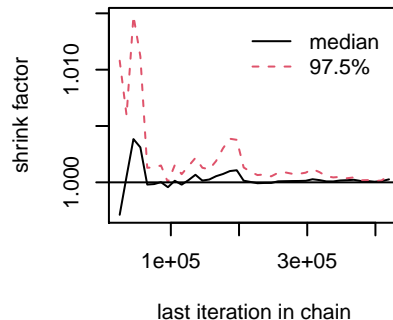
**VAAN\_CN\_s.CollarID.149.513**



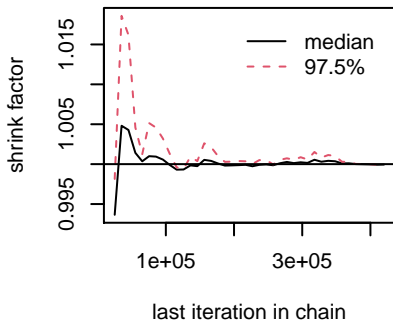
**VAAN\_CN\_s.CollarID.149.535**



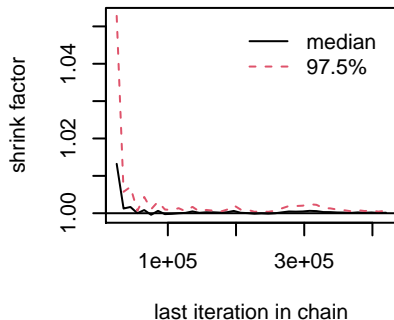
**VAAN\_CN\_s.CollarID.149.594**



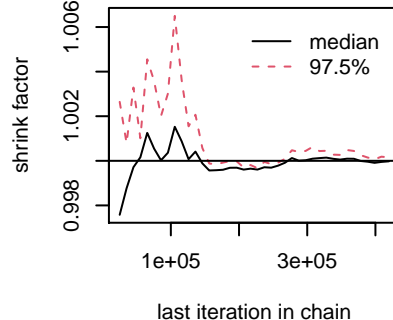
**VAAN\_CN\_s.CollarID.149.613**



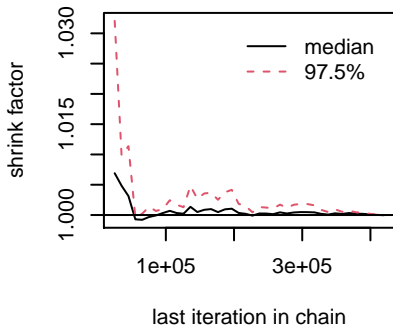
**VAAN\_CN\_s.CollarID.149.633**



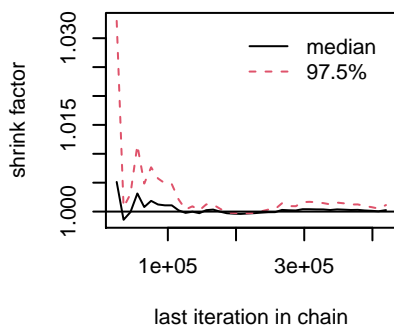
**VAAN\_CN\_s.CollarID.149.673**



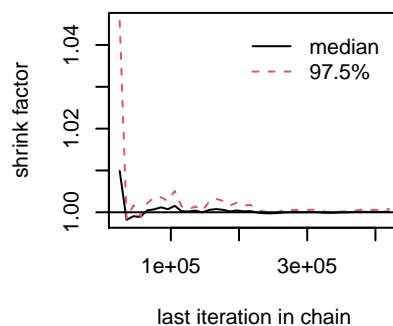
**VAAN\_CN\_s.CollarID.150.032**



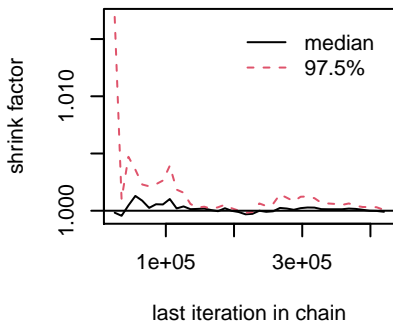
**VAAN\_CN\_s.CollarID.150.052**



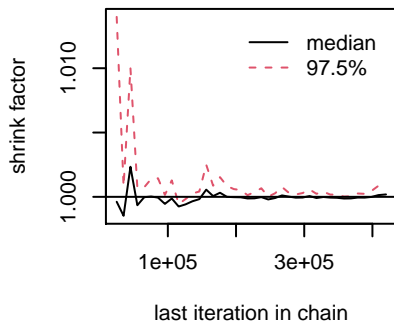
**VAAN\_CN\_s.CollarID.150.072**



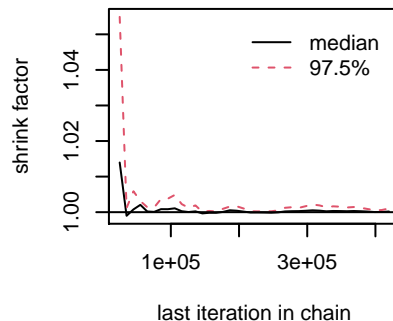
VAAN\_CN\_s.CollarID.150.091



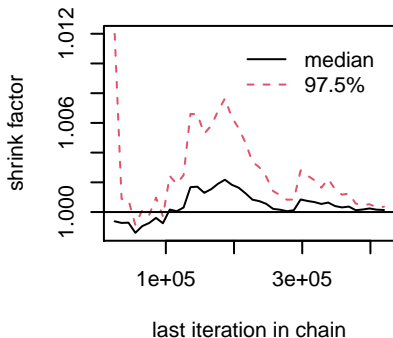
VAAN\_CN\_s.CollarID.150.111



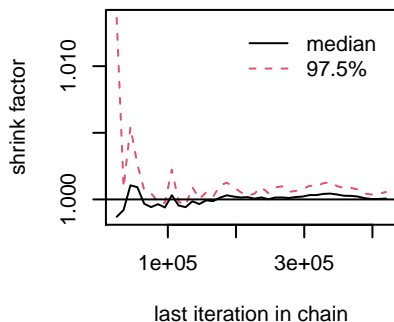
VAAN\_CN\_s.CollarID.150.132



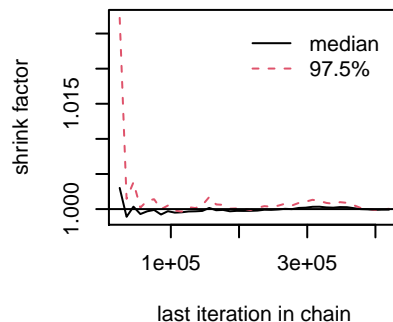
VAAN\_CN\_s.CollarID.150.154



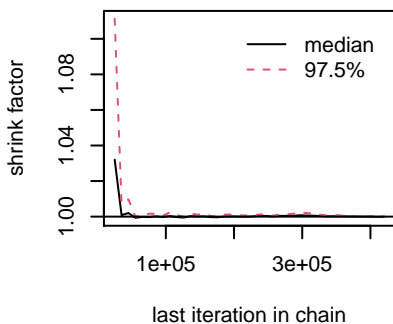
VAAN\_CN\_s.CollarID.150.173



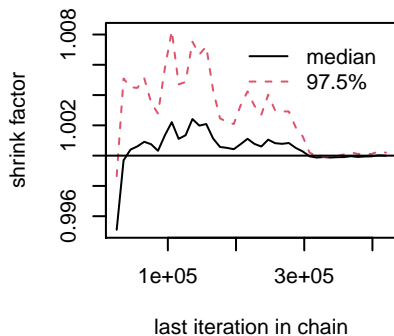
VAAN\_CN\_s.CollarID.150.191



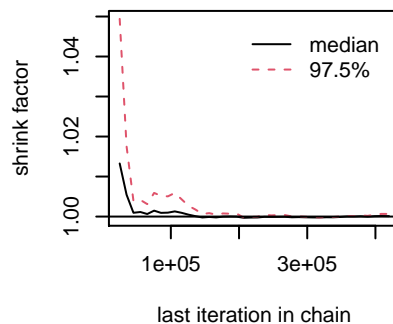
VAAN\_CN\_s.CollarID.150.232



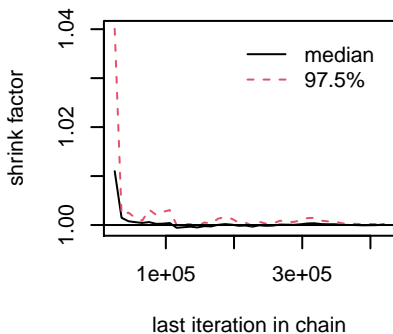
VAAN\_CN\_s.CollarID.150.273



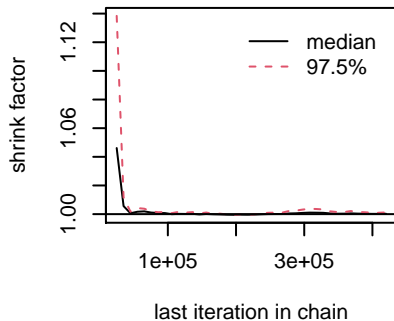
VAAN\_CN\_s.CollarID.150.314



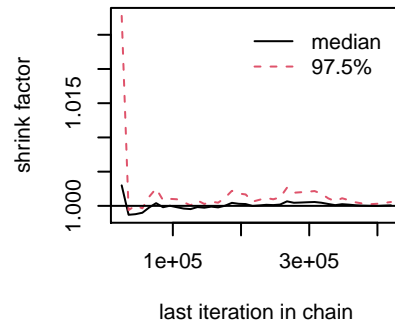
**VAAN\_CN\_s.CollarID.150.332**



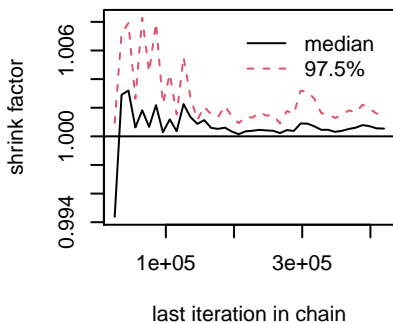
**VAAN\_CN\_s.CollarID.150.373**



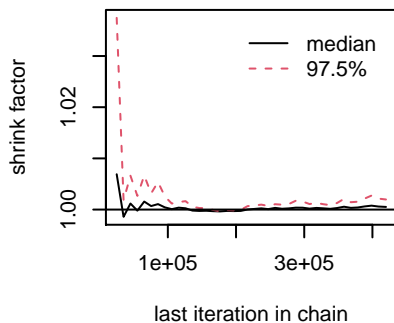
**VAAN\_CN\_s.CollarID.150.392**



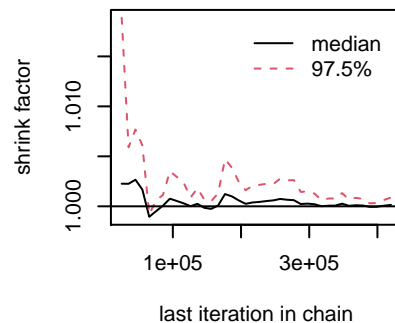
**(Intercept).CollarID.149.093**



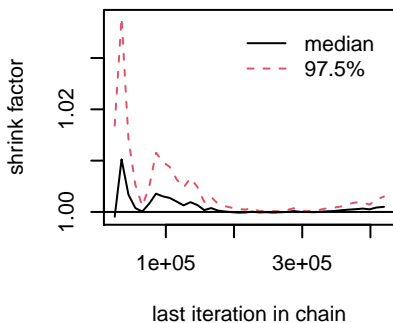
**(Intercept).CollarID.149.124**



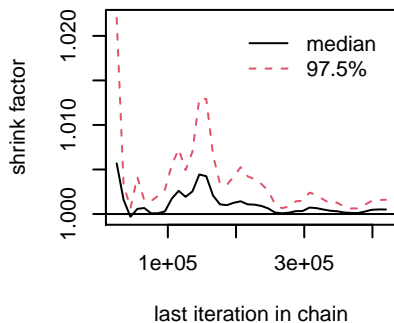
**(Intercept).CollarID.149.173**



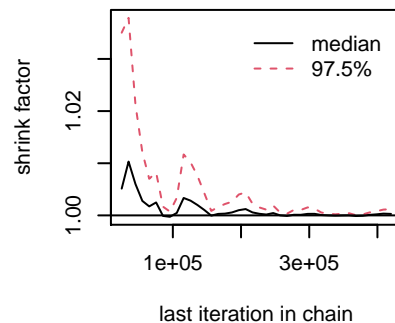
**(Intercept).CollarID.149.213**



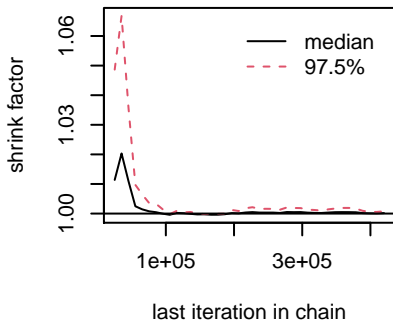
**(Intercept).CollarID.149.233**



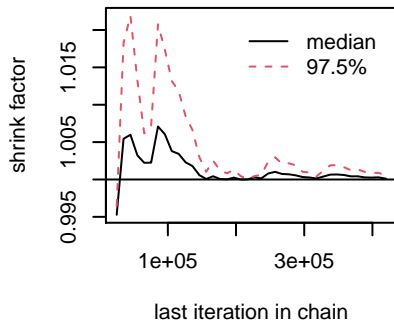
**(Intercept).CollarID.149.294**



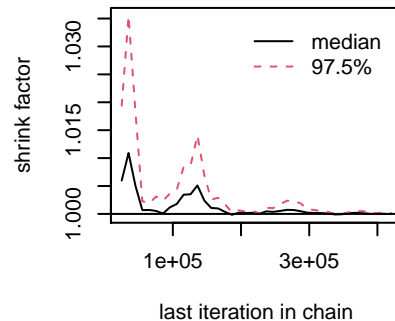
**(Intercept).CollarID.149.394**



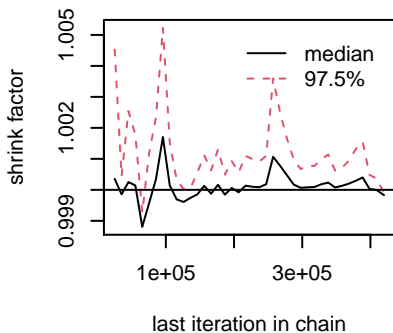
**(Intercept).CollarID.149.423**



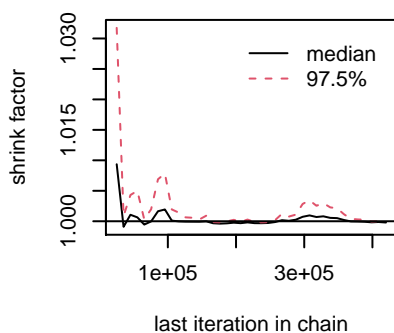
**(Intercept).CollarID.149.452**



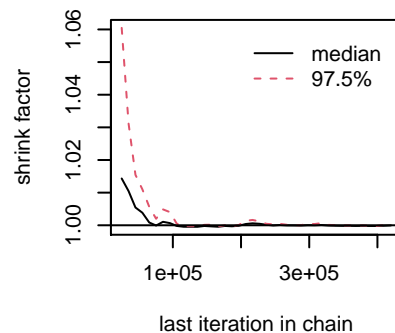
**(Intercept).CollarID.149.513**



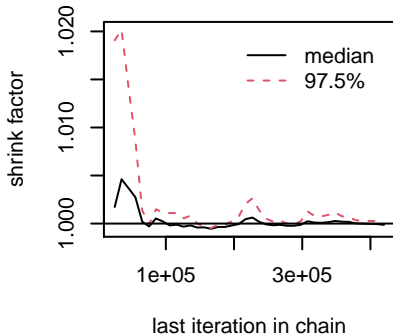
**(Intercept).CollarID.149.535**



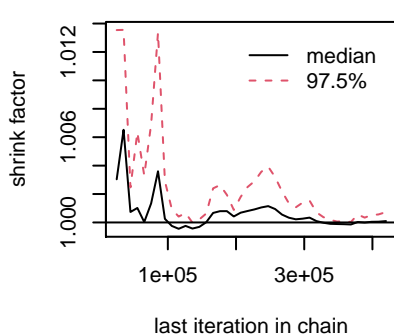
**(Intercept).CollarID.149.594**



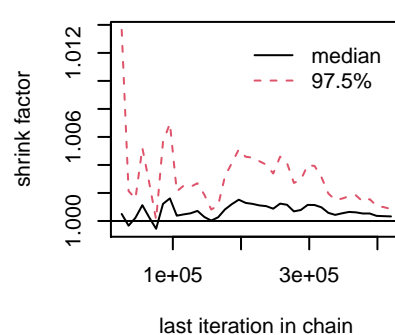
**(Intercept).CollarID.149.613**



**(Intercept).CollarID.149.633**

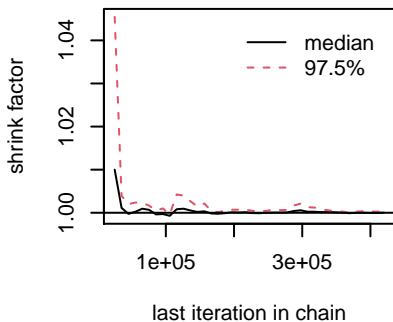


**(Intercept).CollarID.149.673**

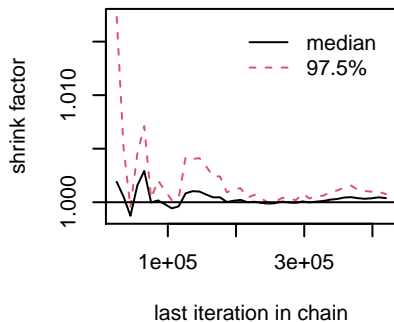




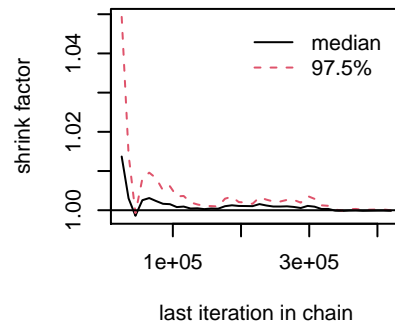
**(Intercept).CollarID.150.032**



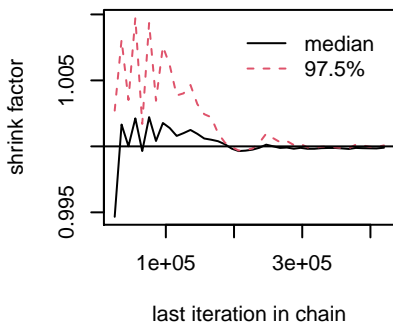
**(Intercept).CollarID.150.052**



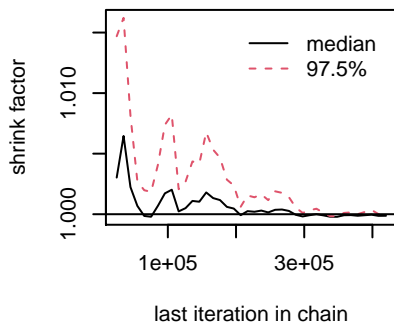
**(Intercept).CollarID.150.072**



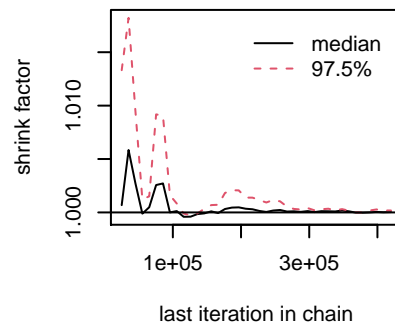
**(Intercept).CollarID.150.091**



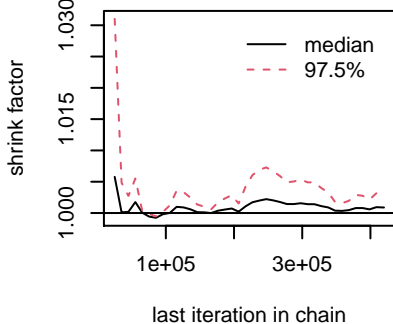
**(Intercept).CollarID.150.111**



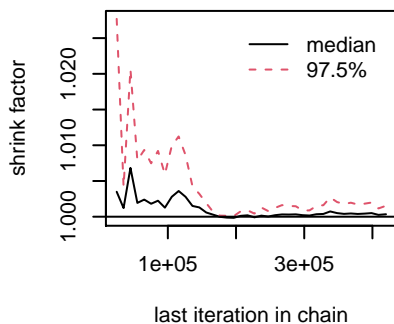
**(Intercept).CollarID.150.132**



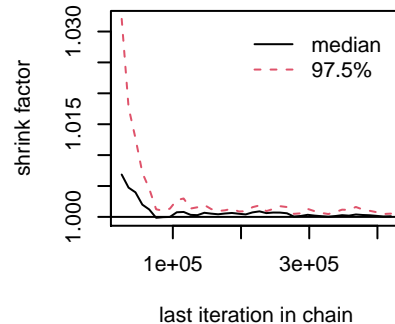
**(Intercept).CollarID.150.154**



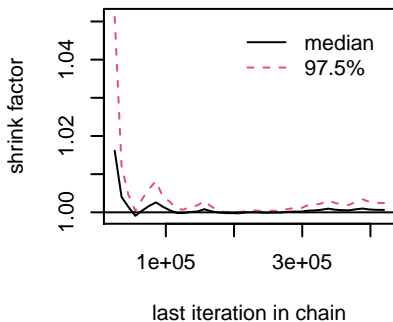
**(Intercept).CollarID.150.173**



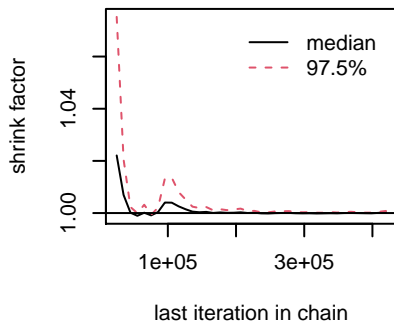
**(Intercept).CollarID.150.191**



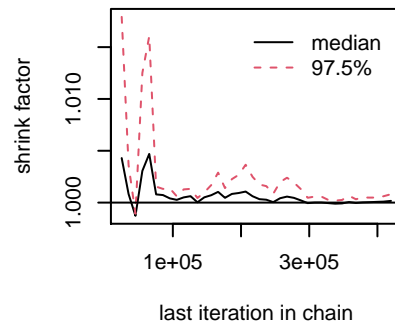
**(Intercept).CollarID.150.232**



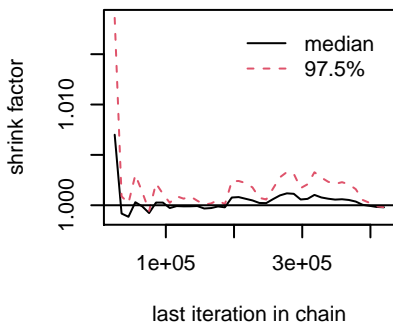
**(Intercept).CollarID.150.273**



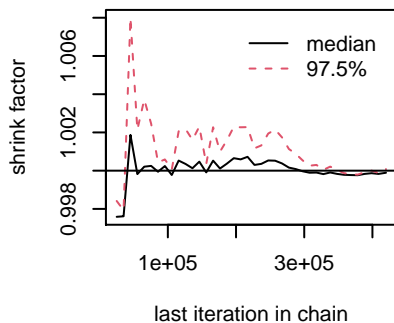
**(Intercept).CollarID.150.314**



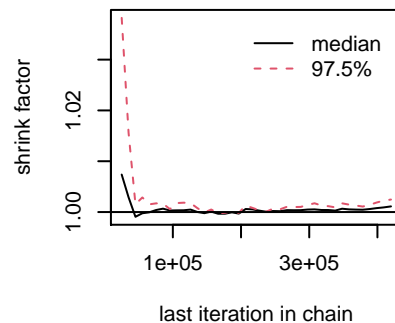
**(Intercept).CollarID.150.332**



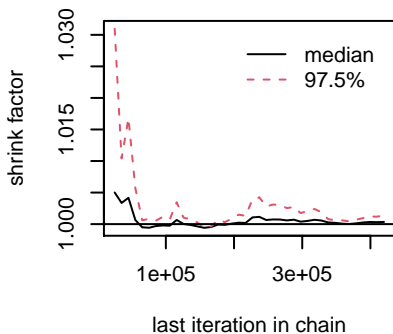
**(Intercept).CollarID.150.373**



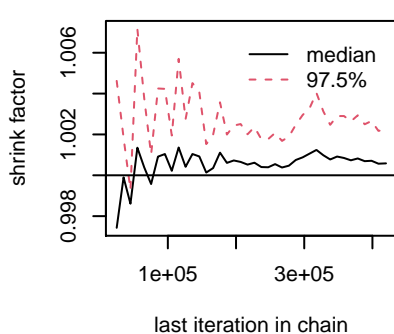
**(Intercept).CollarID.150.392**



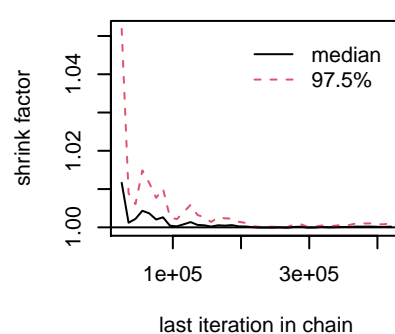
**overPCA\_s.CollarID.149.093**



**overPCA\_s.CollarID.149.124**



**overPCA\_s.CollarID.149.173**



A line plot showing the evolution of the effective sample size (ESS) over iterations. The x-axis is labeled 'last iteration in chain' and ranges from 0 to 400,000, with major ticks at 100,000 and 300,000. The y-axis is labeled 'ESS' and ranges from 0.995 to 1.005, with major ticks at 0.995 and 1.005. Two lines are plotted: a solid black line for the 'median' and a dashed red line for the '97.5%' quantile. The median line starts at approximately 0.994, rises to a peak of about 1.001 at 50,000 iterations, then fluctuates around 1.000. The 97.5% line starts at approximately 0.994, rises to a peak of about 1.004 at 50,000 iterations, then fluctuates around 1.001.

A line plot showing the shrink factor (y-axis, ranging from 0.995 to 1.010) versus the last iteration in chain (x-axis, ranging from 0 to 4e+05). The plot displays two lines: a solid black line for the median and a dashed red line for the 97.5% quantile. Both lines start at approximately 0.995, rise sharply to a peak of about 1.010 at around 5e+04 iterations, and then fluctuate around 0.997. The 97.5% quantile line shows more volatility than the median line.

A line plot showing the shrink factor on the y-axis (ranging from 0.998 to 1.006) against the last iteration in chain on the x-axis (ranging from 0 to 4e+05). The plot displays two lines: a solid black line for the median and a dashed red line for the 97.5% quantile. Both lines start at approximately 0.998, rise sharply to a peak of about 1.0025 at iteration 50,000, and then fluctuate around 1.000. The 97.5% quantile line shows more volatility than the median line.

A line plot showing the shrink factor on the y-axis (ranging from 1.000 to 1.015) against the last iteration in chain on the x-axis (ranging from 0 to 4e+05). Two lines are plotted: a solid black line for the median and a dashed red line for the 97.5% quantile. Both lines start at a high shrink factor (around 1.015) and rapidly decrease, stabilizing around 1.000 after approximately 1e+05 iterations. The 97.5% quantile line shows more fluctuations than the median line.

A line plot showing the shrink factor on the y-axis (ranging from 1.000 to 1.020) against the last iteration in chain on the x-axis (ranging from 0 to 4e+05). The plot displays two lines: a solid black line for the median and a dashed red line for the 97.5% quantile. Both lines start at a shrink factor of approximately 1.000. The median line shows a sharp peak to about 1.018 at iteration 50,000, followed by a rapid decline and subsequent small fluctuations around 1.000. The 97.5% quantile line shows a sharp peak to about 1.020 at iteration 50,000, followed by a rapid decline and subsequent small fluctuations around 1.000. The legend indicates that the solid black line represents the median and the dashed red line represents the 97.5% quantile.

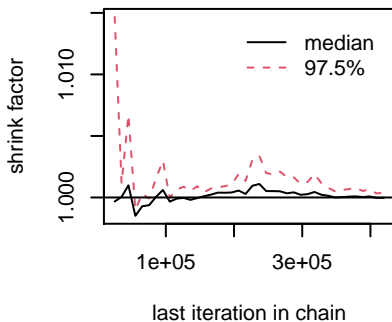
A line plot showing the shrink factor on the y-axis (ranging from 0.995 to 1.005) against the last iteration in chain on the x-axis (ranging from 0 to 4e+05). Two lines are plotted: a solid black line for the median and a dashed red line for the 97.5% quantile. The median line starts at approximately 0.994, rises sharply to about 0.999 by 5e+04 iterations, and then fluctuates slightly around 0.9995. The 97.5% quantile line starts at approximately 0.994, rises sharply to a peak of about 1.007 at 5e+04 iterations, and then fluctuates around 0.9995, showing more volatility than the median line.

A line plot showing the shrink factor on the y-axis (ranging from 1.000 to 1.020) against the last iteration in chain on the x-axis (ranging from 0 to 4e+05). The plot displays two lines: a solid black line for the median and a dashed red line for the 97.5% quantile. The median line starts at approximately 1.000, shows a small peak around 5e+04, and then stabilizes near 1.000. The 97.5% quantile line starts at approximately 1.025, drops sharply to about 1.005 by 5e+04, and then fluctuates slightly above the median line, peaking around 1.003 near 3e+05.

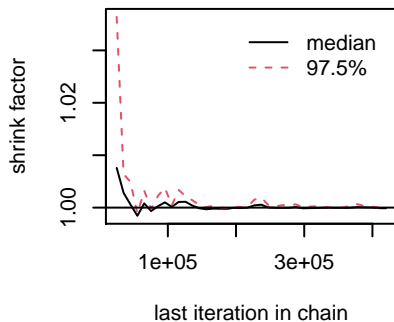
A line plot showing the shrink factor on the y-axis (ranging from 1.000 to 1.020) against the last iteration in chain on the x-axis (ranging from 0 to 4e+05). The plot displays two lines: a solid black line for the median and a dashed red line for the 97.5% quantile. Both lines start at a shrink factor of approximately 1.000. The median line shows a small peak around 5e+04 iterations and then stabilizes near 1.000. The 97.5% quantile line shows a sharp peak around 5e+04 iterations, reaching approximately 1.025, and then stabilizes near 1.000. The legend indicates that the solid black line represents the median and the dashed red line represents the 97.5% quantile.

A line plot showing the shrink factor on the y-axis (ranging from 1.000 to 1.030) against the last iteration in chain on the x-axis (ranging from 0 to 400,000). The plot displays two lines: a solid black line for the median and a dashed red line for the 97.5% quantile. Both lines start at a shrink factor of approximately 1.025 at iteration 0. The median line drops sharply to about 1.000 by iteration 50,000 and remains stable. The 97.5% quantile line drops more gradually, reaching about 1.000 by iteration 100,000, and then exhibits small fluctuations between 1.000 and 1.005 before stabilizing at 1.000 after iteration 300,000.

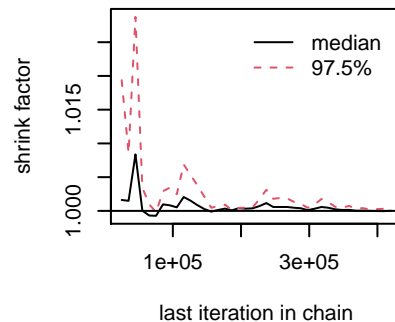
**overPCA\_s.CollarID.149.613**



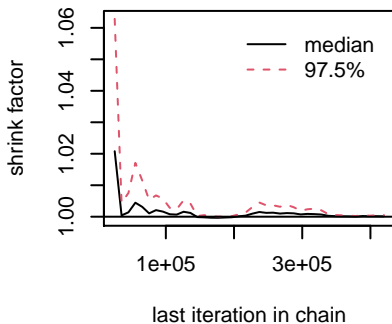
**overPCA\_s.CollarID.149.633**



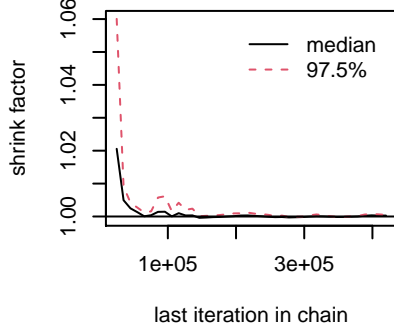
**overPCA\_s.CollarID.149.673**



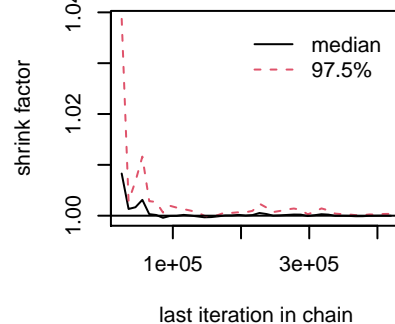
**overPCA\_s.CollarID.150.032**



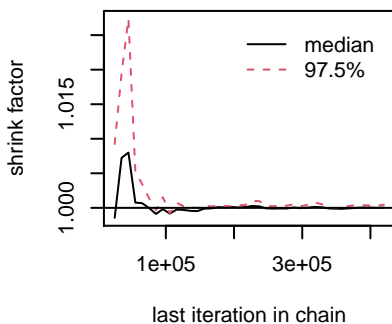
**overPCA\_s.CollarID.150.052**



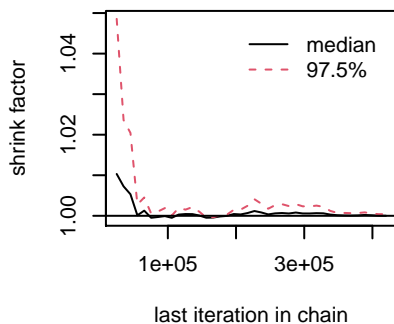
**overPCA\_s.CollarID.150.072**



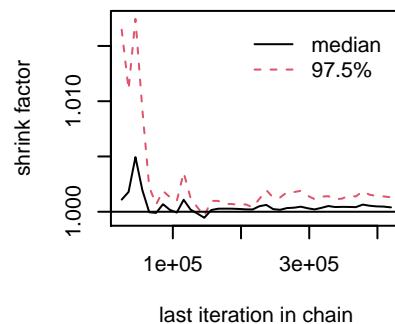
**overPCA\_s.CollarID.150.091**



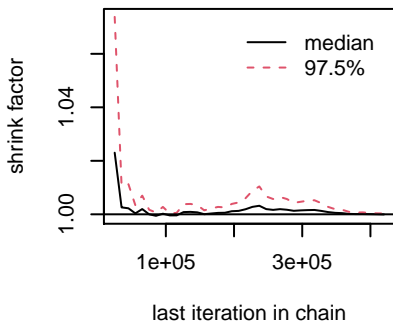
**overPCA\_s.CollarID.150.111**



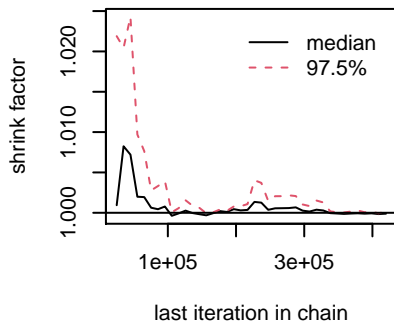
**overPCA\_s.CollarID.150.132**



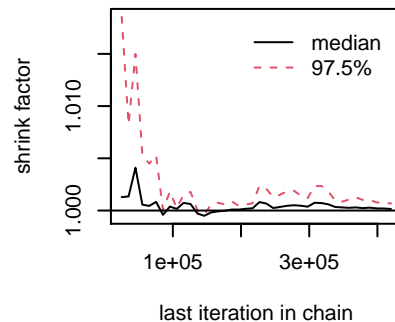
**overPCA\_s.CollarID.150.154**



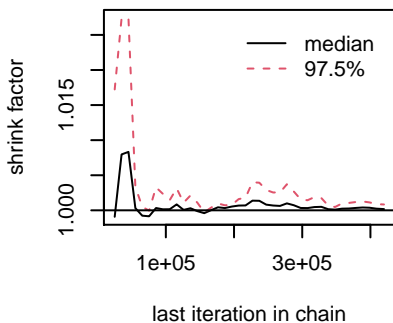
**overPCA\_s.CollarID.150.173**



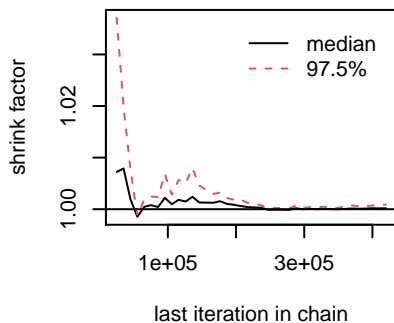
**overPCA\_s.CollarID.150.191**



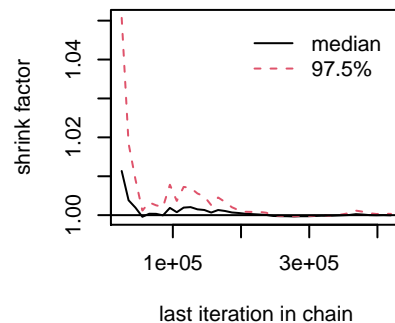
**overPCA\_s.CollarID.150.232**



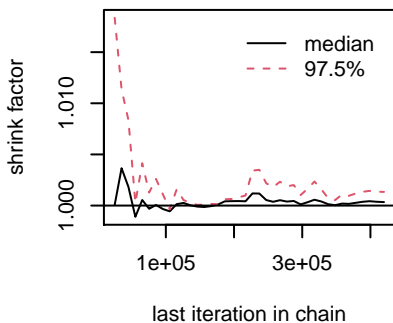
overPCA\_s.CollarID.150.273



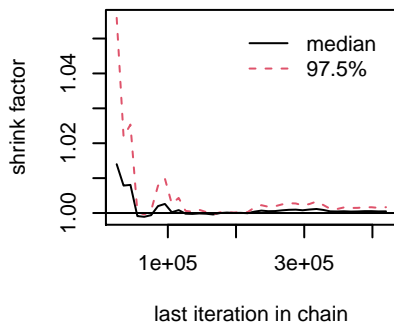
**overPCA\_s.CollarID.150.314**



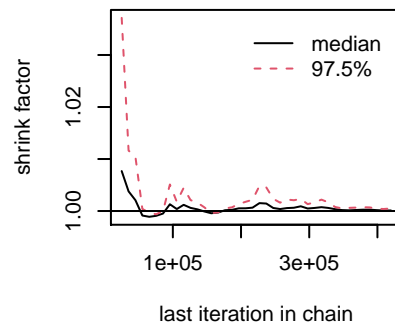
overPCA s.CollarID.150.332



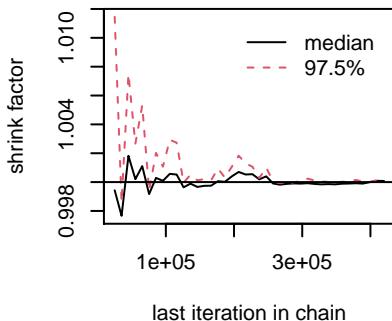
**overPCA s.CollarID.150.373**



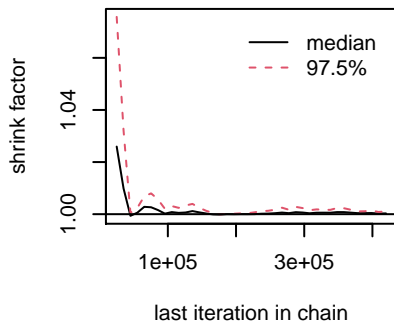
overPCA s.CollarID.150.392



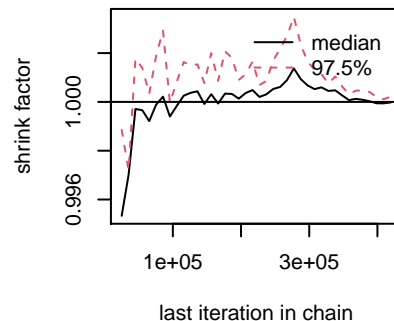
**(Intercept).CollarID.149.093**



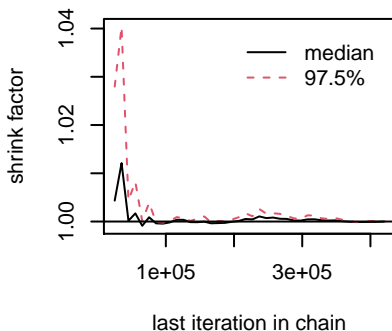
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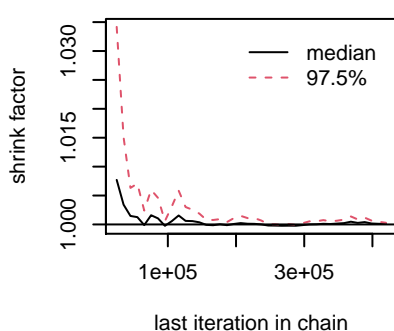
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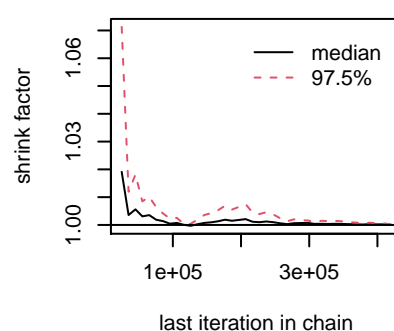
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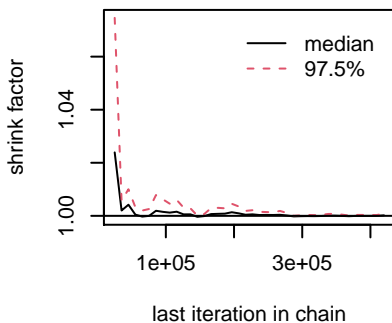
**(Intercept).CollarID.149.233**



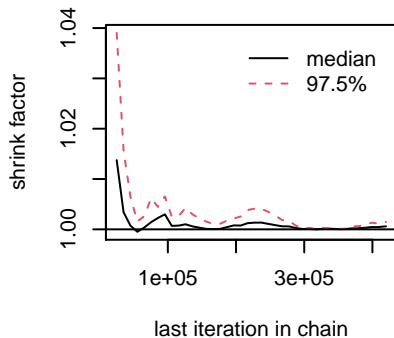
**(Intercept).CollarID.149.294**



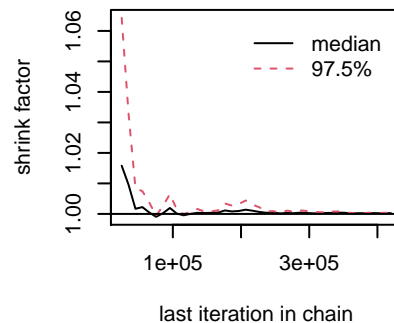
**(Intercept).CollarID.149.394**



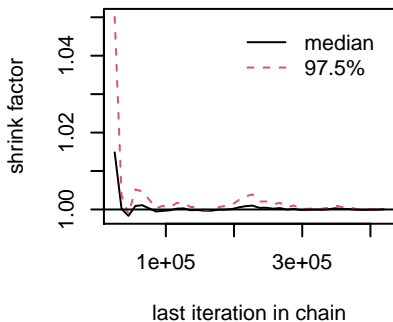
**(Intercept).CollarID.149.423**



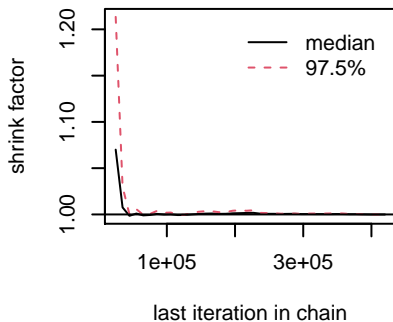
**(Intercept).CollarID.149.452**



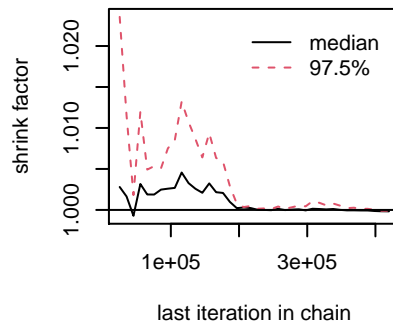
**(Intercept).CollarID.149.513**



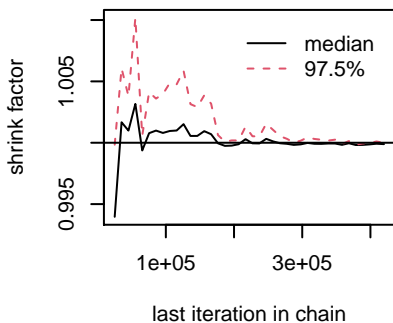
**(Intercept).CollarID.149.535**



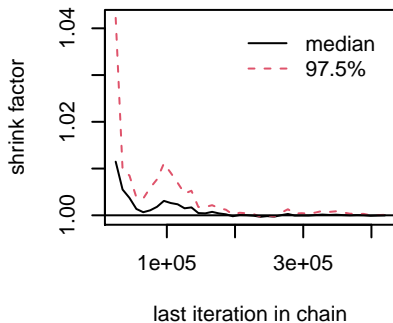
**(Intercept).CollarID.149.594**



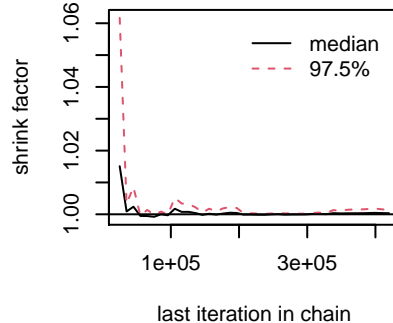
**(Intercept).CollarID.149.613**



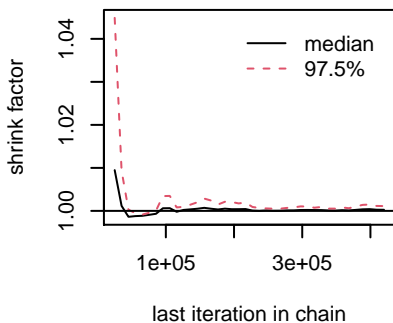
**(Intercept).CollarID.149.633**



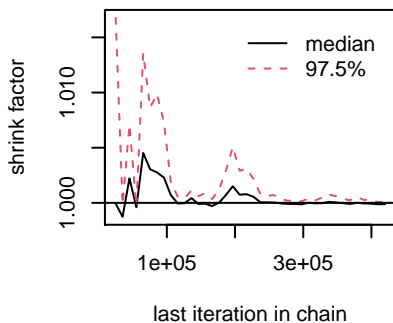
**(Intercept).CollarID.149.673**



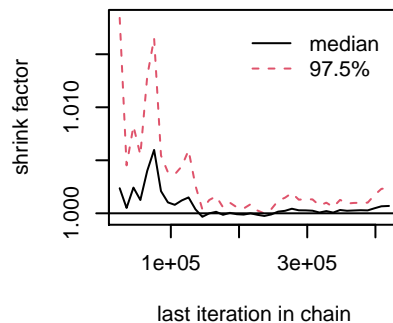
**(Intercept).CollarID.150.032**



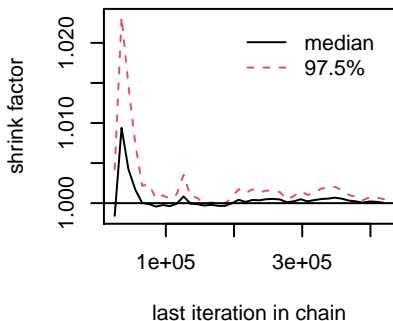
**(Intercept).CollarID.150.052**



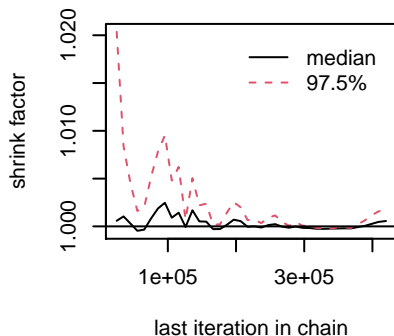
**(Intercept).CollarID.150.072**



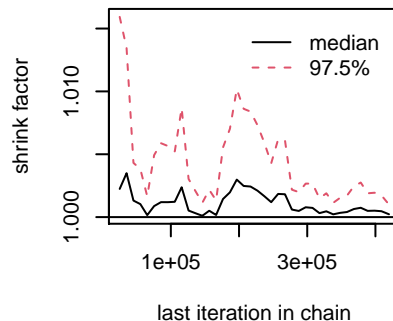
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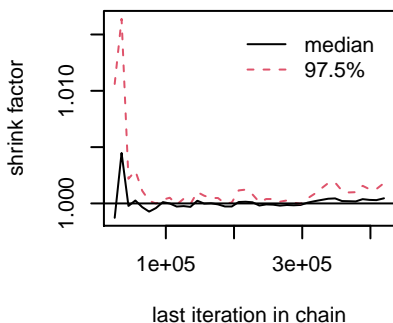
**(Intercept).CollarID.150.111**



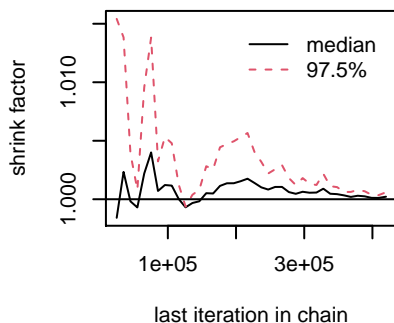
**(Intercept).CollarID.150.132**



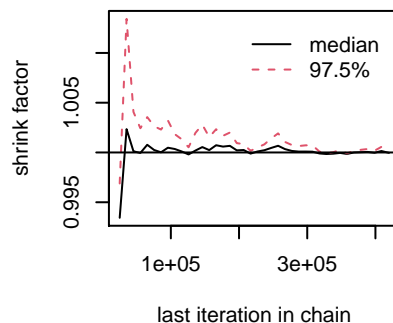
(Intercept).CollarID.150.154



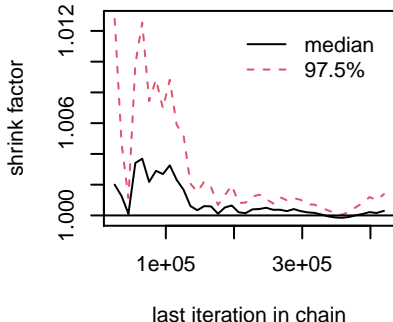
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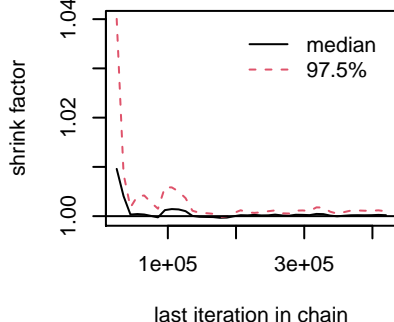
(Intercept).CollarID.150.191



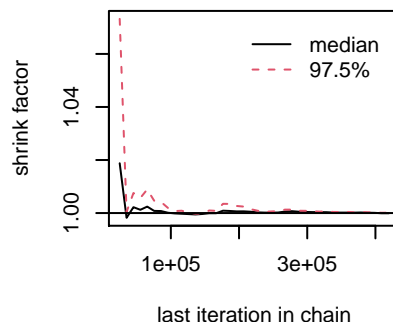
**(Intercept).CollarID.150.232**



**(Intercept).CollarID.150.273**

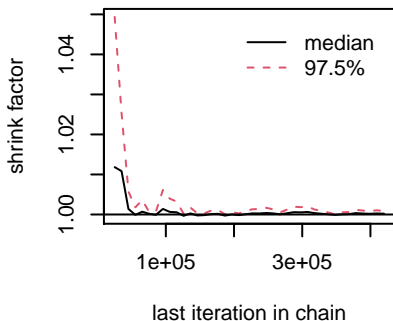


**(Intercept).CollarID.150.314**

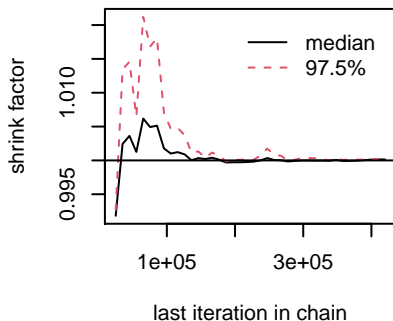




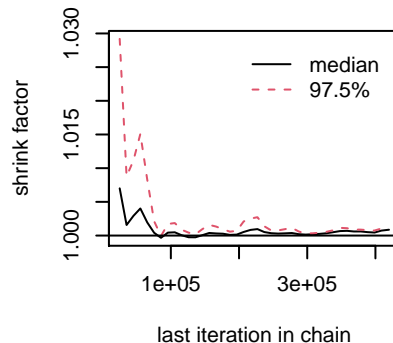
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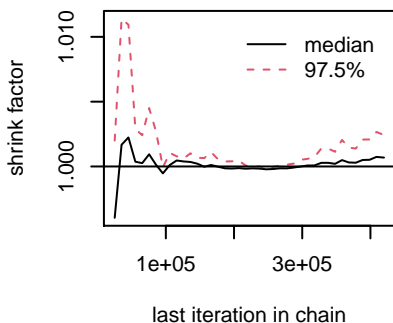
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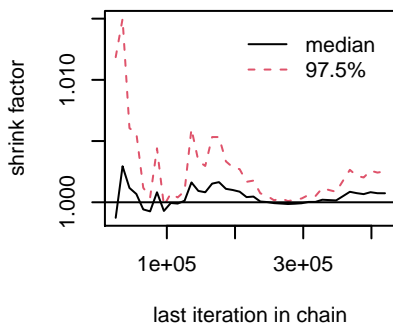
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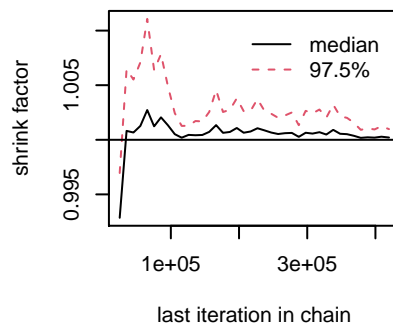
**VAAN\_CP\_s.CollarID.149.093**



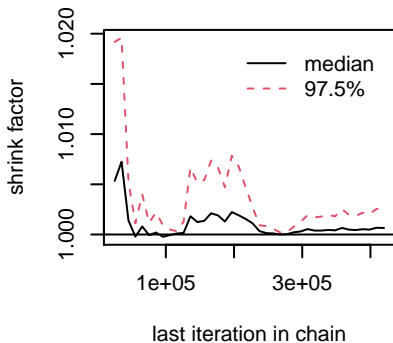
**VAAN\_CP\_s.CollarID.149.124**



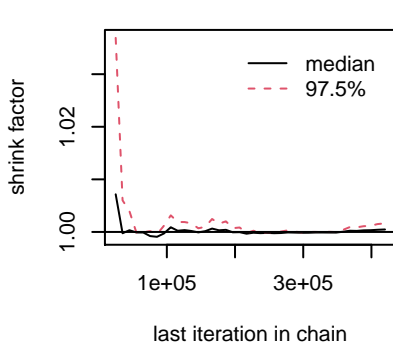
**VAAN\_CP\_s.CollarID.149.173**



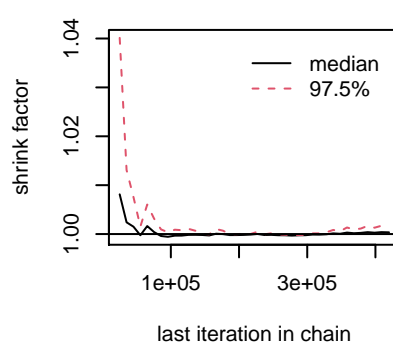
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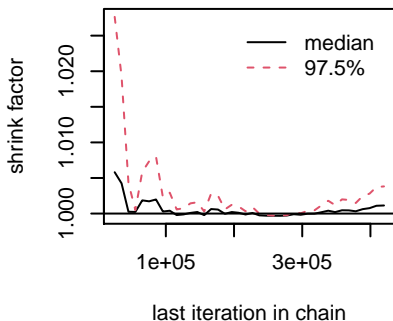
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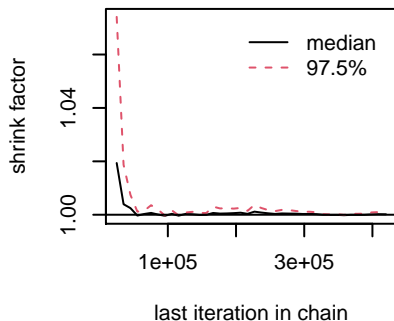
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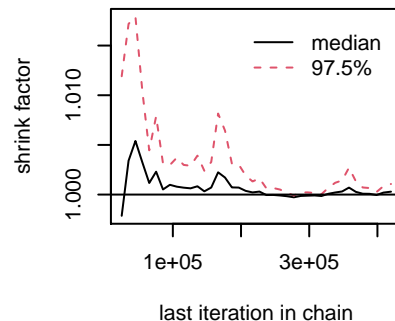
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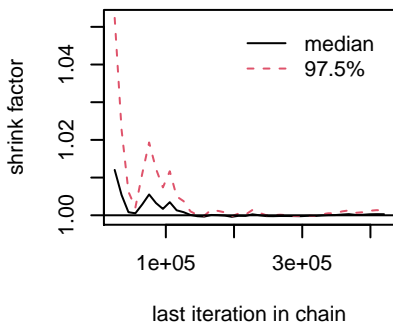
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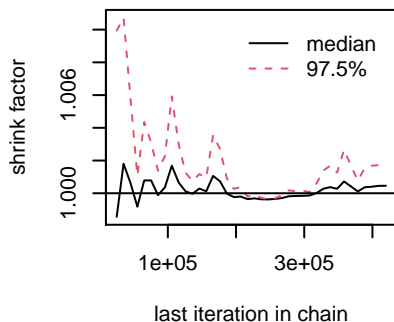
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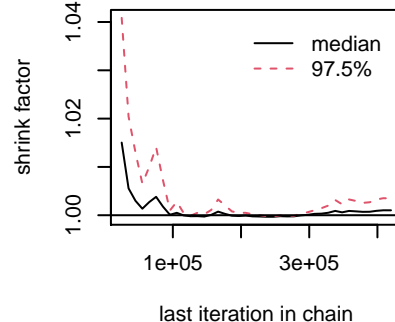
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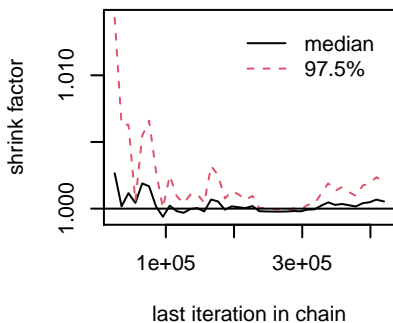
**VAAN\_CP\_s.CollarID.149.535**



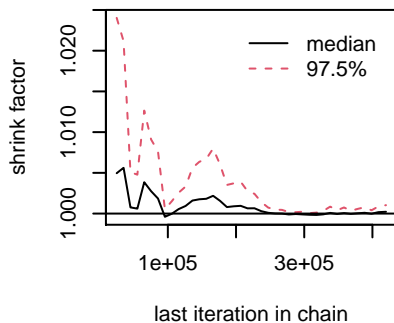
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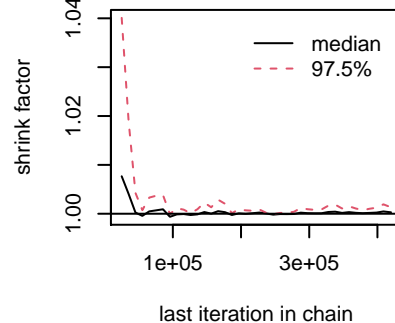
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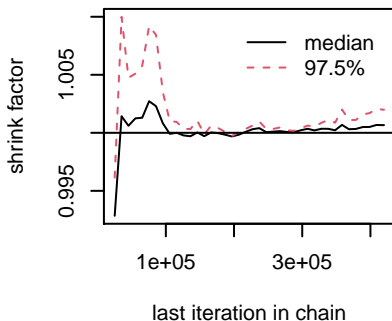
**VAAN\_CP\_s.CollarID.149.633**



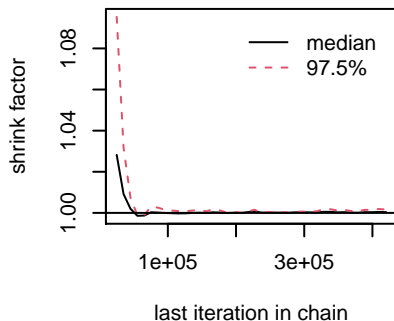
**VAAN\_CP\_s.CollarID.149.673**



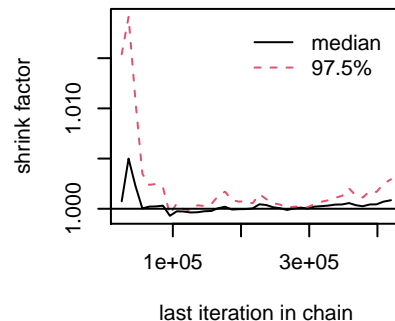
**VAAN\_CP\_s.CollarID.150.032**



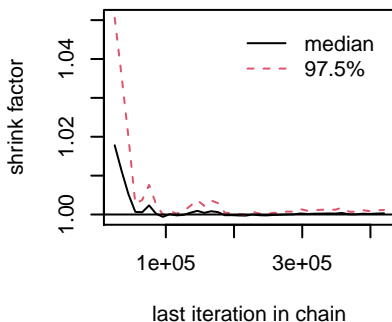
**VAAN\_CP\_s.CollarID.150.052**



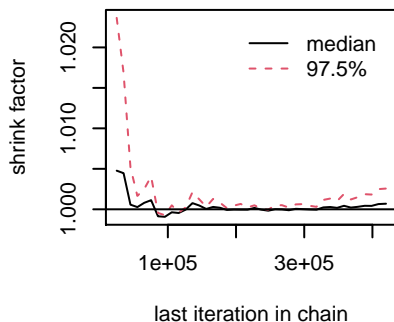
**VAAN\_CP\_s.CollarID.150.072**



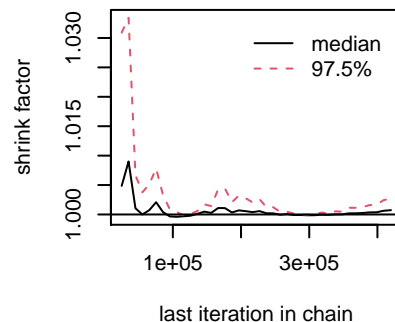
**VAAN\_CP\_s.CollarID.150.091**



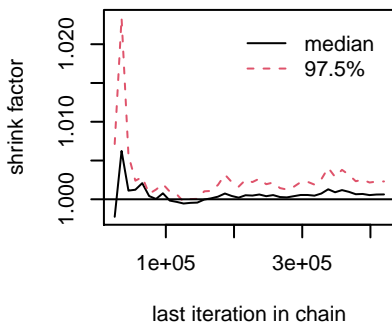
**VAAN\_CP\_s.CollarID.150.111**



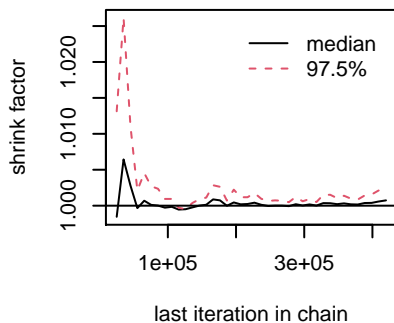
**VAAN\_CP\_s.CollarID.150.132**



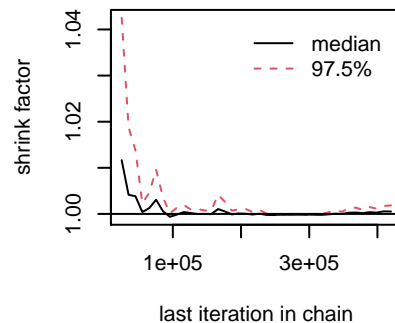
**VAAN\_CP\_s.CollarID.150.154**



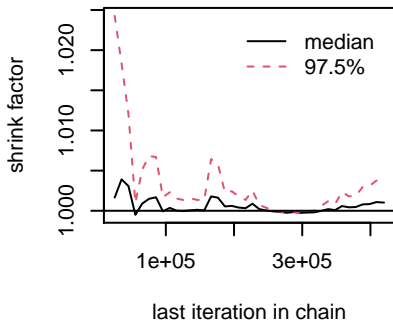
**VAAN\_CP\_s.CollarID.150.173**



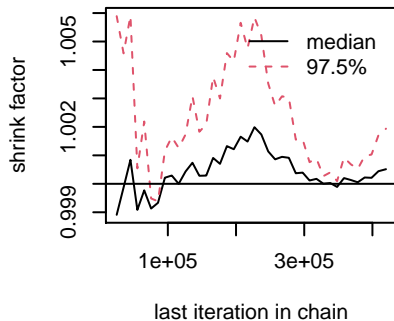
**VAAN\_CP\_s.CollarID.150.191**



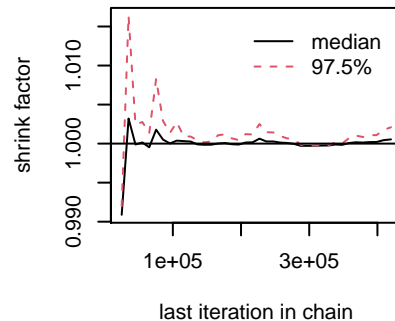
VAAN\_CP\_s.CollarID.150.232



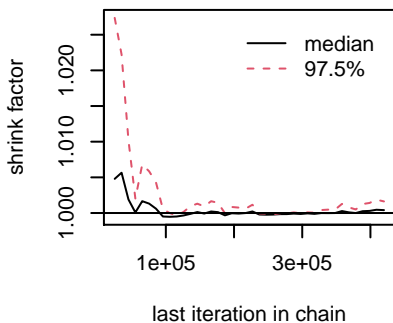
VAAN\_CP\_s.CollarID.150.273



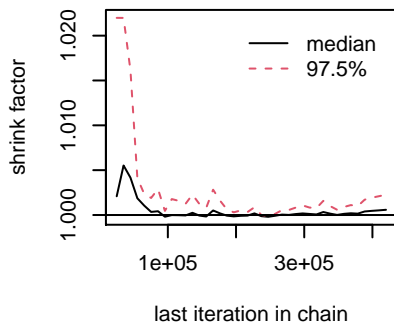
VAAN\_CP\_s.CollarID.150.314



VAAN\_CP\_s.CollarID.150.332



VAAN\_CP\_s.CollarID.150.373



VAAN\_CP\_s.CollarID.150.392

