References

 Chodera, J. D. A Simple Method for Automated Equilibration Detection in Molecular Simulations. Journal of Chemical Theory and Computation 2016, 12 (4), 1799–1805. https://doi.org/10.1021/acs.jctc.5b00784.

Some other software

- MDTraj: http://mdtraj.org/1.9.3/index.html
- ProDy: http://prody.csb.pitt.edu/tutorials/trajectory_analysis/trajectory.html