**BLUPf90 programs**

BLUPF90 programs are command-line software. The program reads a parameter file describing the name of data and pedigree files, the statistical model, and the covariance components used in the analysis. It shows logs on the screen, and a file (or several files) is written for the results. This is designed to be used on the shell with keyboard operations.

Examples are provided, including data, pedigree, and parameter files. The programs do not need special installation; the binaries are ready to use. To start using the programs, the only needed actions are: 1) changing the permission to execute the programs (Mac and Linux systems) and 2) adding the folder containing the programs to the PATH. Please see chapter 2 of this blupf90 tutorial for a step-by-step guide <http://nce.ads.uga.edu/wiki/lib/exe/fetch.php?media=tutorial_blupf90.pdf>. This tutorial and the manual for blupf90 programs contain several examples for deeper (<http://nce.ads.uga.edu/wiki/lib/exe/fetch.php?media=blupf90_all.pdf>) practice.

Note: The program postgibbsf90 uses Gnuplot to plot posterior distributions and samples. Please install it on your computer to allow complete functionality for this program. Additionally, if you connect remotely to a server and want to see the plots on your computer, please install a windowing system like X11 (Windows) or XQuartz (Mac).