To conduct model checking on the LCA model for dichotomous observables:

* Run the model in “2 Class LCA.bug” with 3 chains for 21000 iterations, monitoring the parameters.
* Save the output via the “coda” function in BUGS. Place the files “coda1.txt”, “coda2.txt”, “coda3.txt”, and “codaIndex.txt” in the “coda files” folder.
* Run “Governing Code LCA Model Checking.R”, which will call other R code.