This is the basic data set needed to run our code that includes genome size estimates from Dr. Ryan Gregory’s online Animal Genome Size Database (columns 1-4), species names that have been matched to the tip labels in the phylogenetic trees (columns 5,6), our ephemerality index (column 7).

Column names and Descriptions:

genus\_sp – species names downloaded from the Animal Genome Size database

c.value – genome size estimates (pg)

method – method of estimating genome size

CellT – the cell type from which the genome size estimate was taken

match.pj18, phylo – names that match to tip labels

Eph.index2 – index of ephemerality where 0 are direct developers, 1 breed in permanent habitats and 2 breed in ephemeral habitats