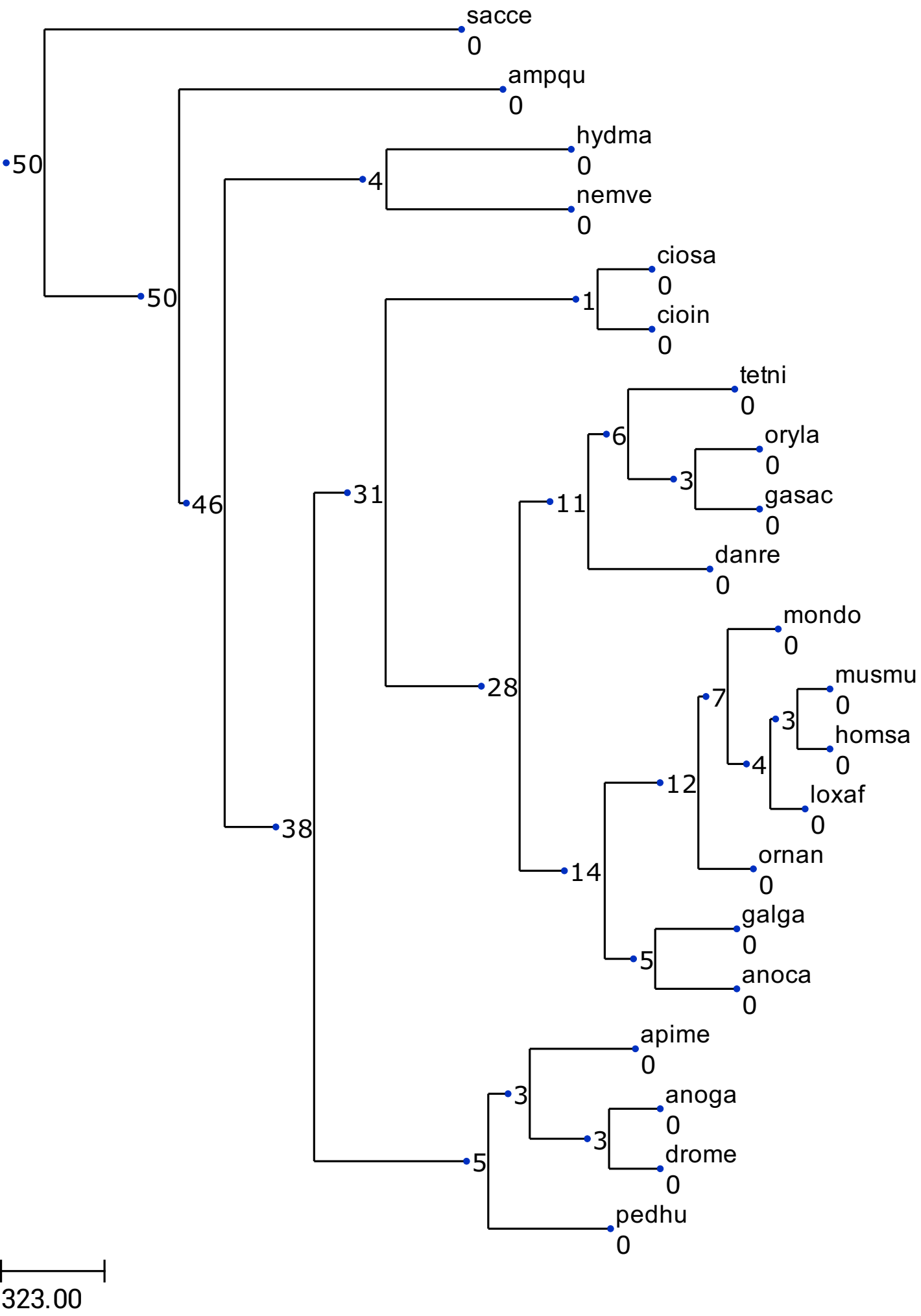NuclearFactors