

Quote: “Recall that **evolution is any change over time** in the allele frequency in a population.”

“Natural Selection on a single -gene trait can lead to changes in allele frequencies **and thus, to evolution.**”

Question: “Whoa! We need to define our terms here. Assuming you are talking about Darwin’s theory of evolution, has the book distorted the meaning?”

Darwin’s theory addressed the origin of species, not merely color changes due to different allele frequencies. Are all the creatures in the figure still lizards? (Yes) **Then this is not Darwinian evolution.**

Encyclopedia Britannica- online defines evolution thusly:

“**Evolution:** theory in biology postulating that the various types of plants, animals, and other living things on Earth **have their origin in other preexisting types** and that the distinguishable differences are due to modifications in successive generations.

Neo-Darwinism holds that mutational changes **produce new genetic information**, which can be selected to produce new creatures from simple to complex, even new phyla. (“Fish to philosopher”)

Quoting Darwin, “**From so simple a beginning, endless forms most beautiful and wonderful have been and are being evolved.**”