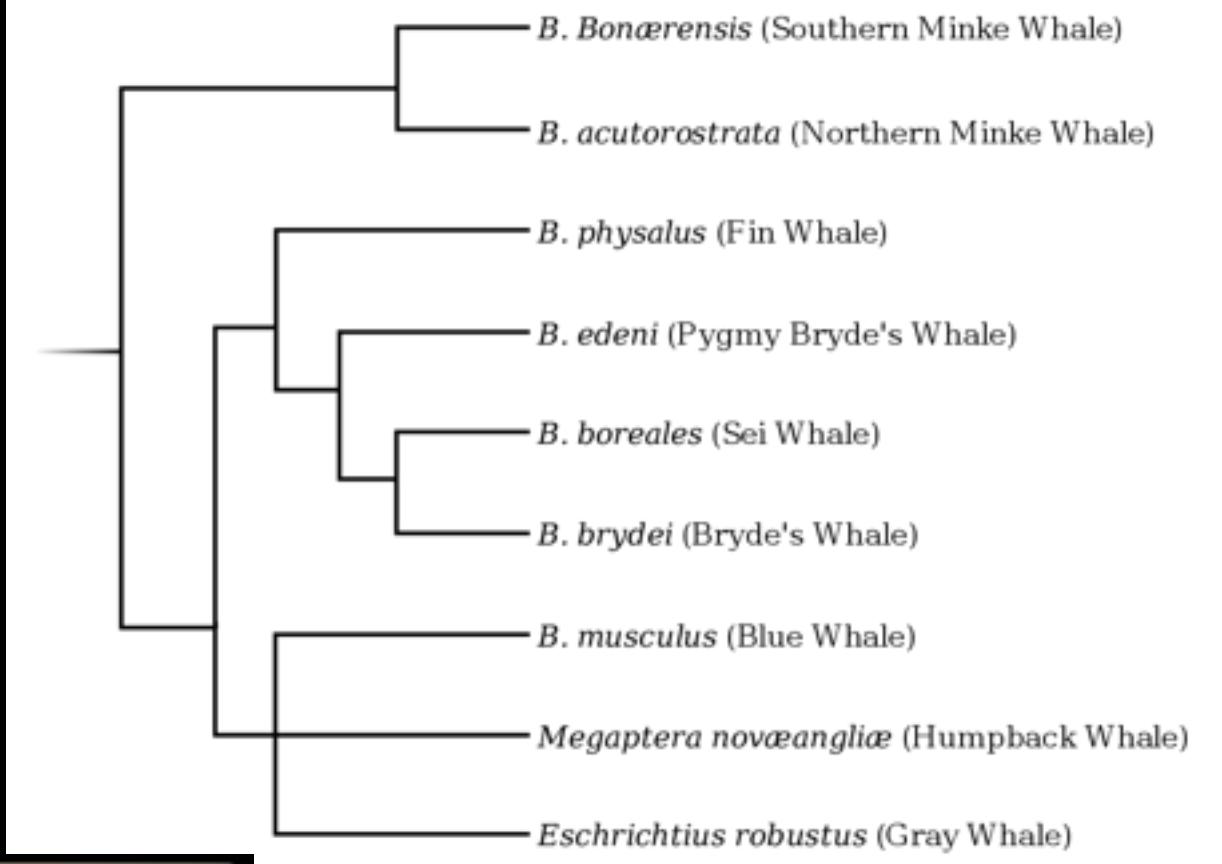


Biology Essentials - 006



Phylogenetics

Speciation

Phylogenetics

Phylogenetic
Tree

Cladogram

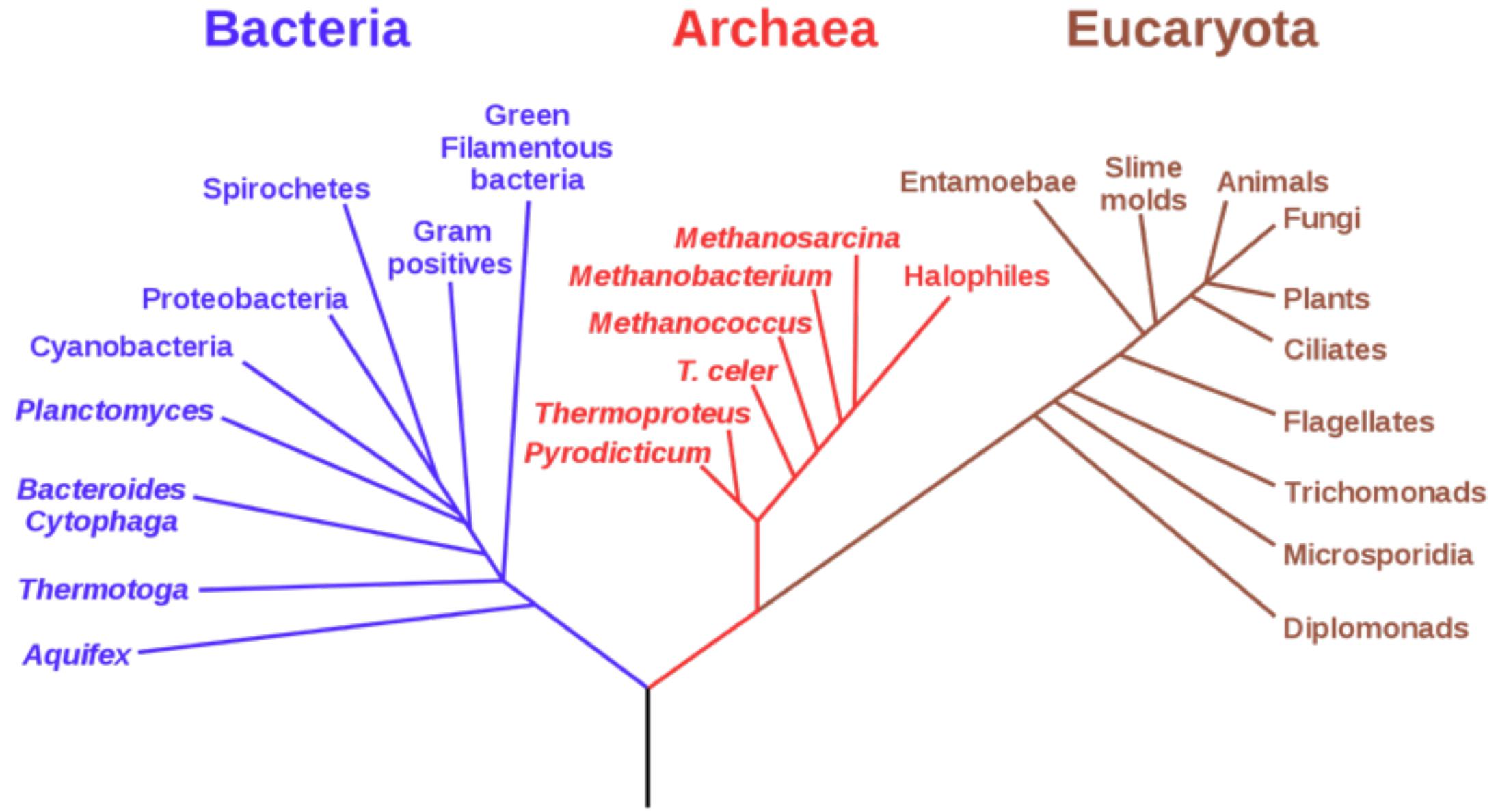
Morphological

Molecular

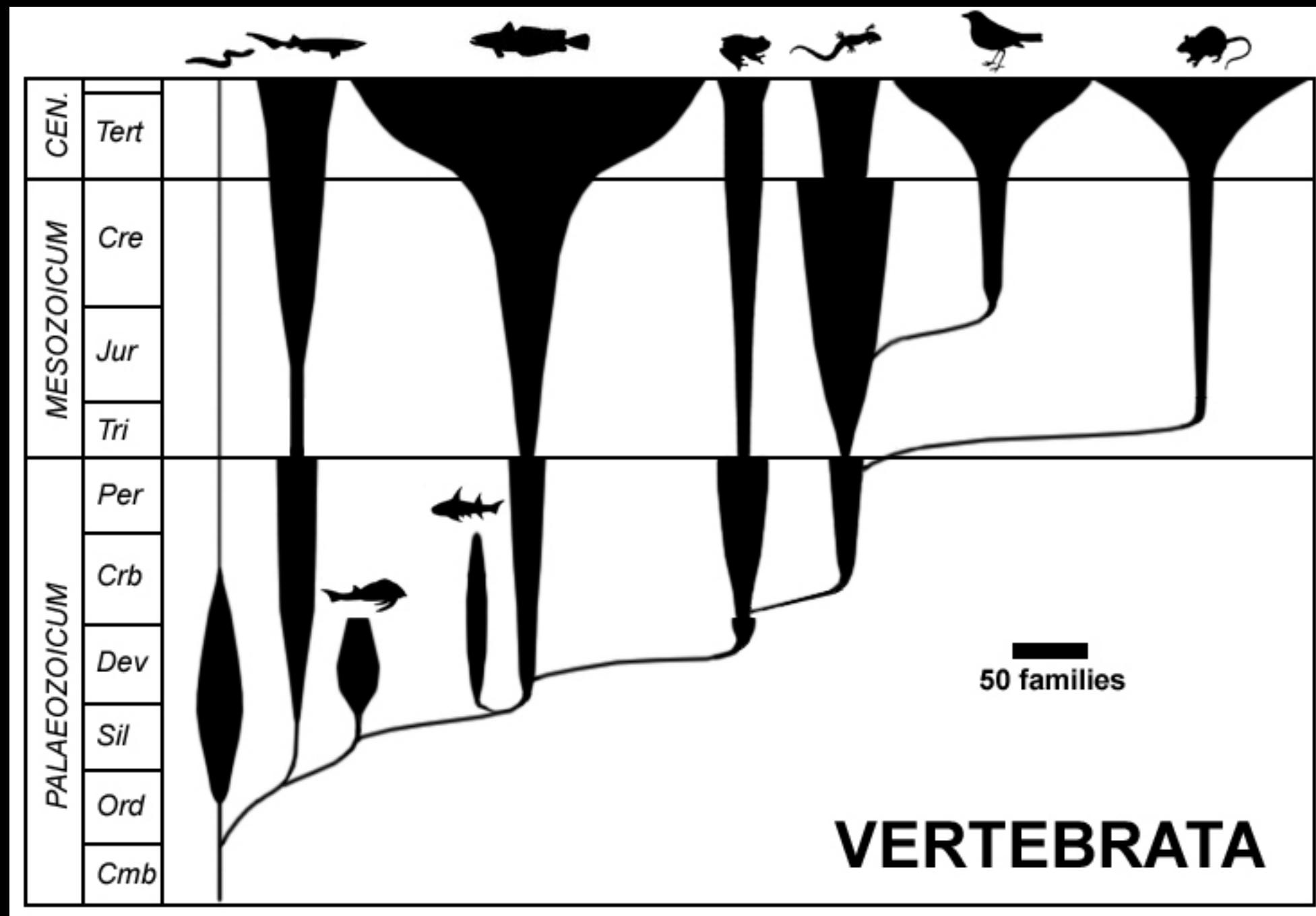
Clades

Heart Chambers

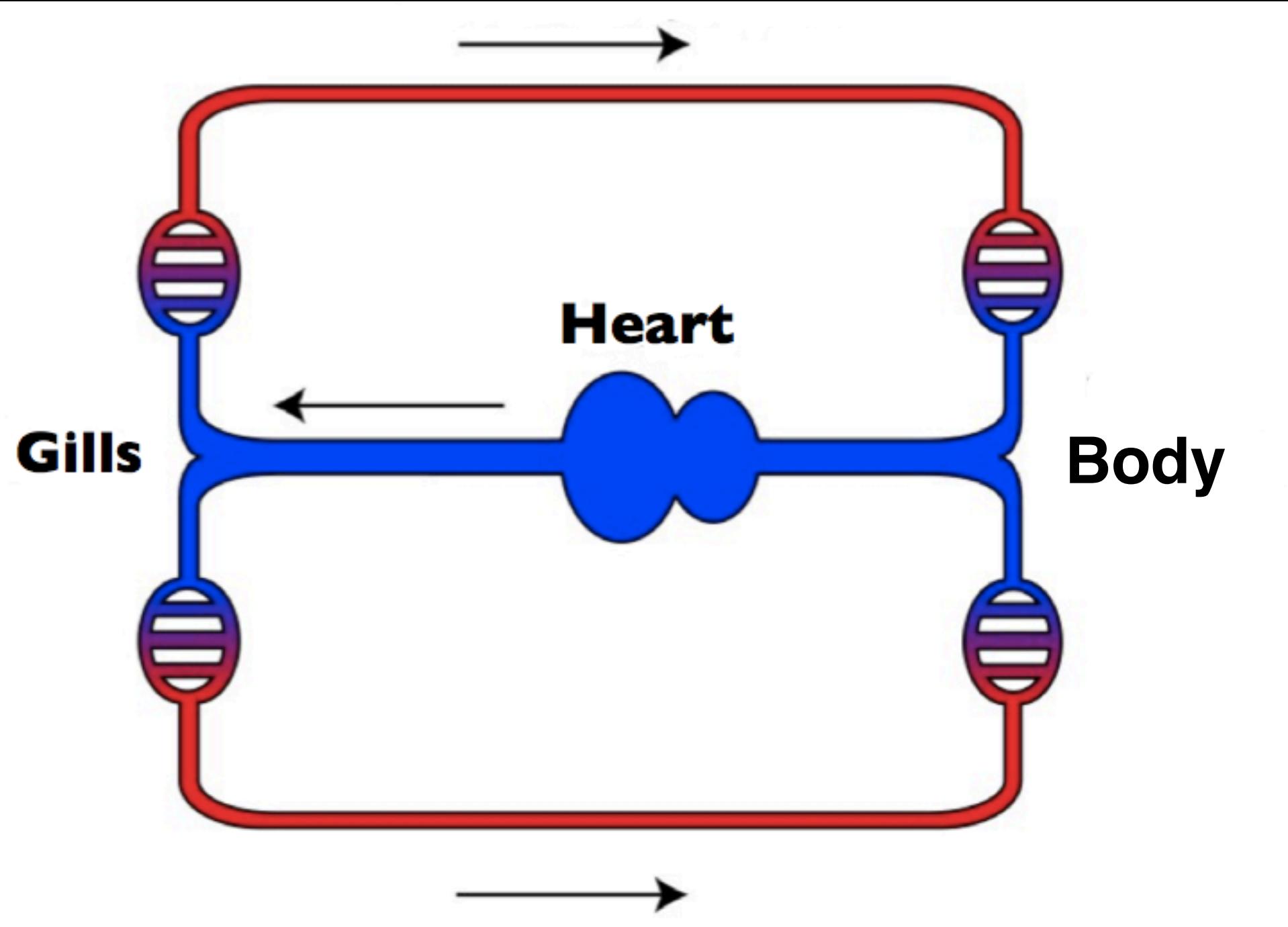
DNA



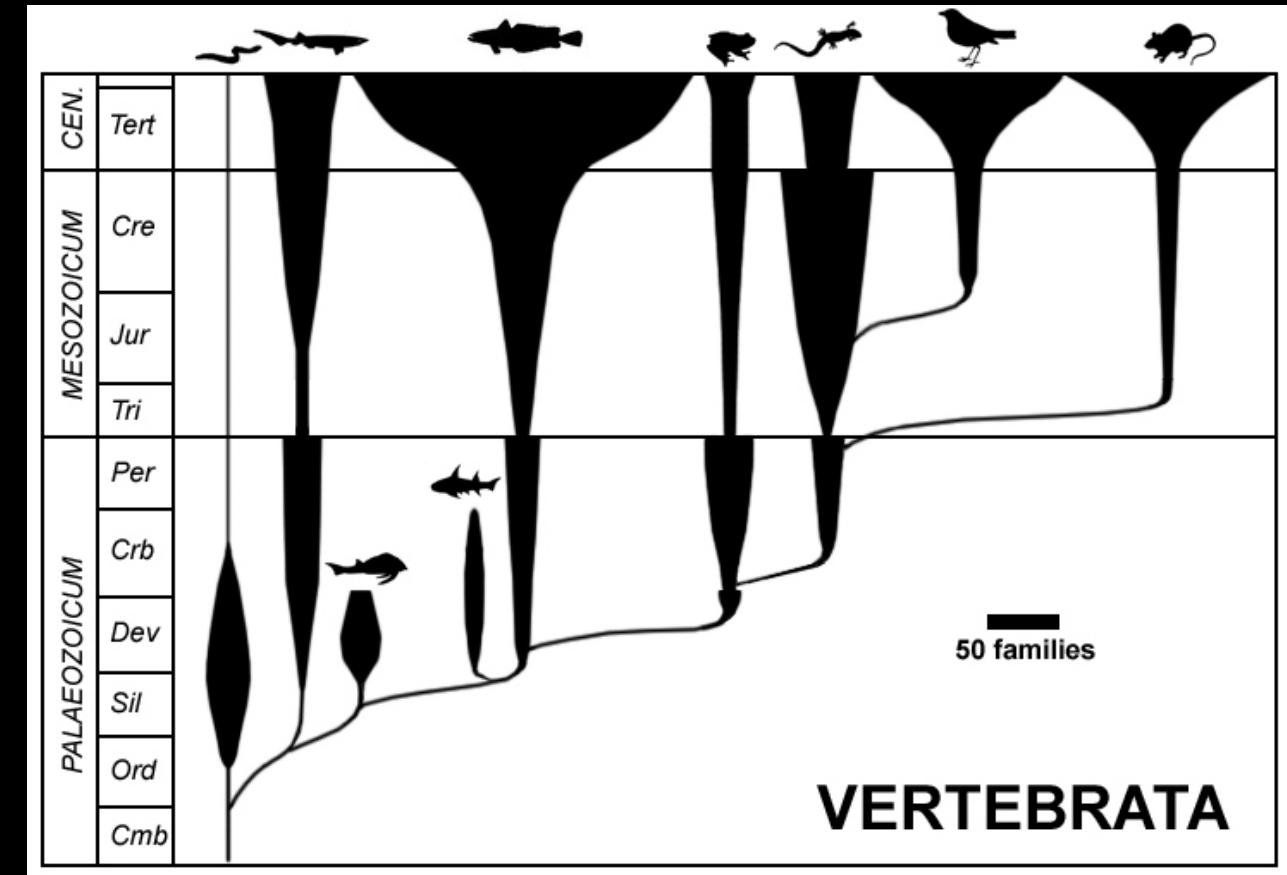
Common Descent

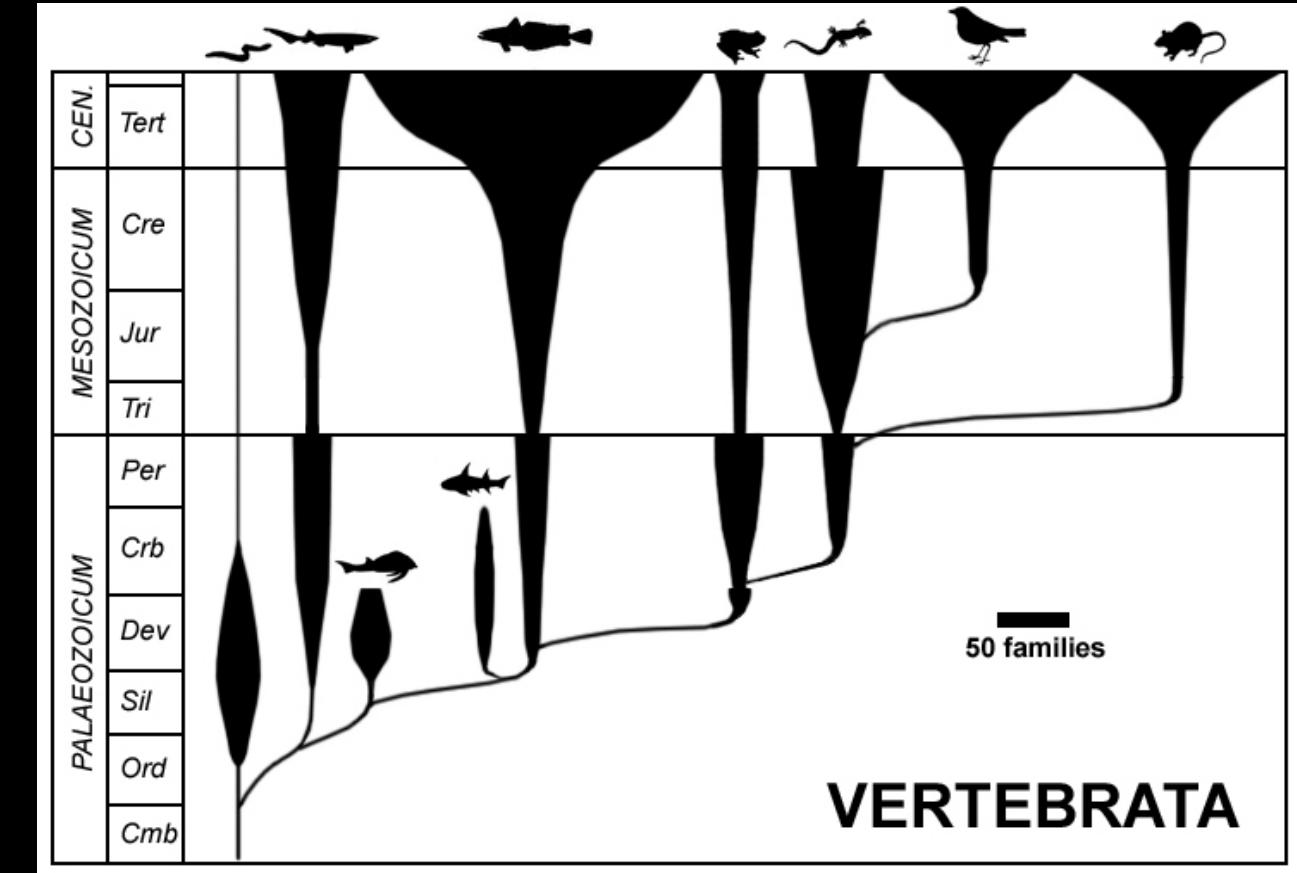
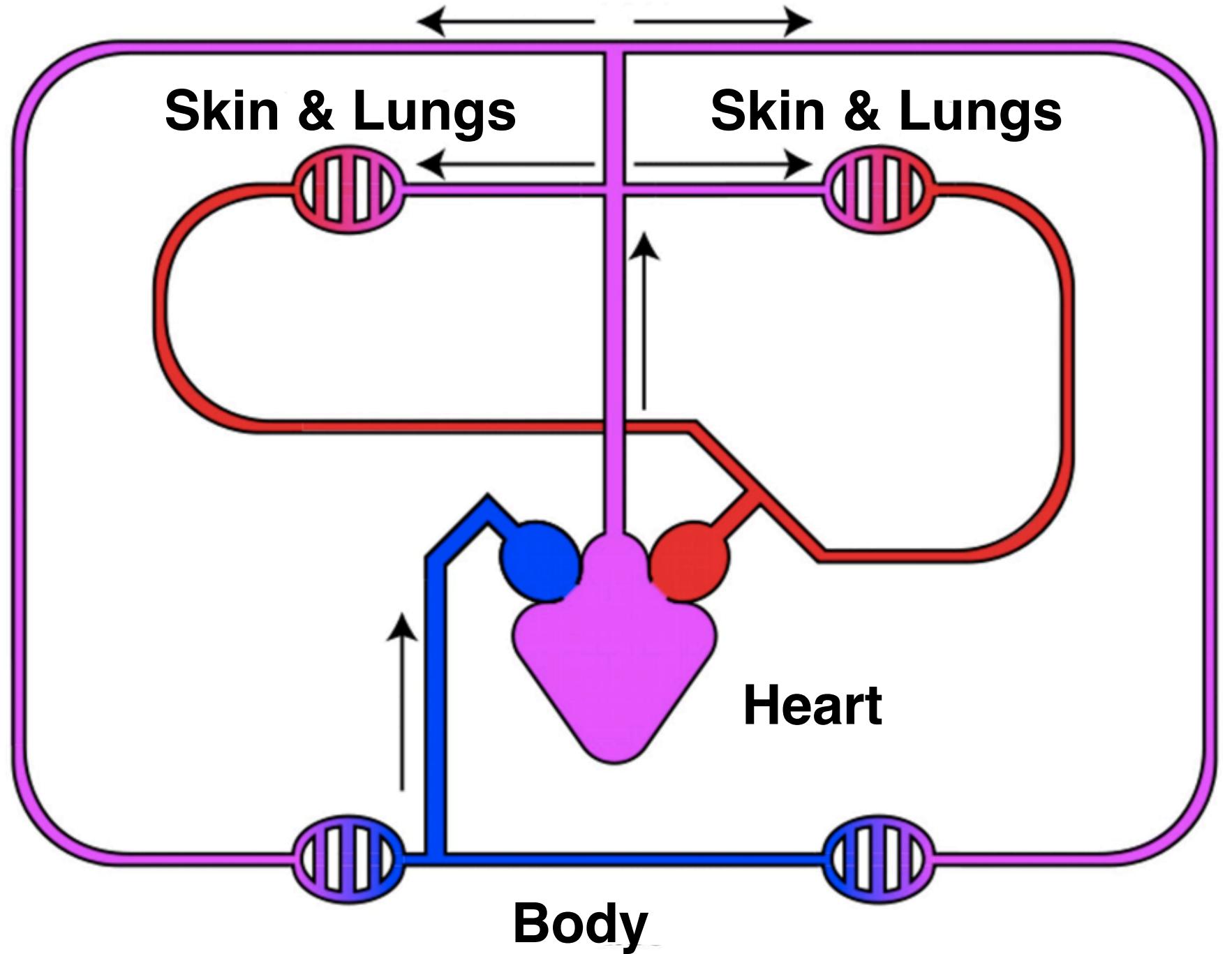


Morphological

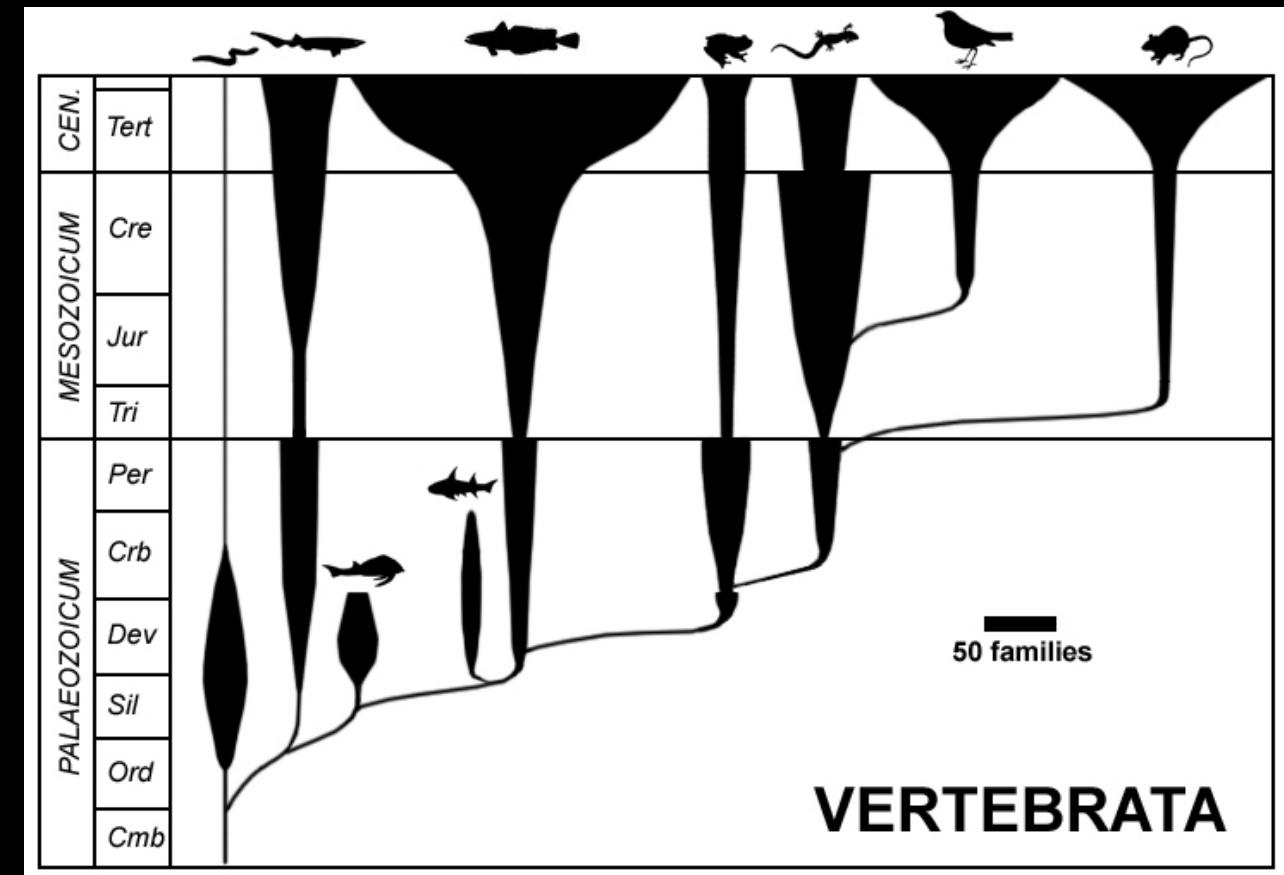
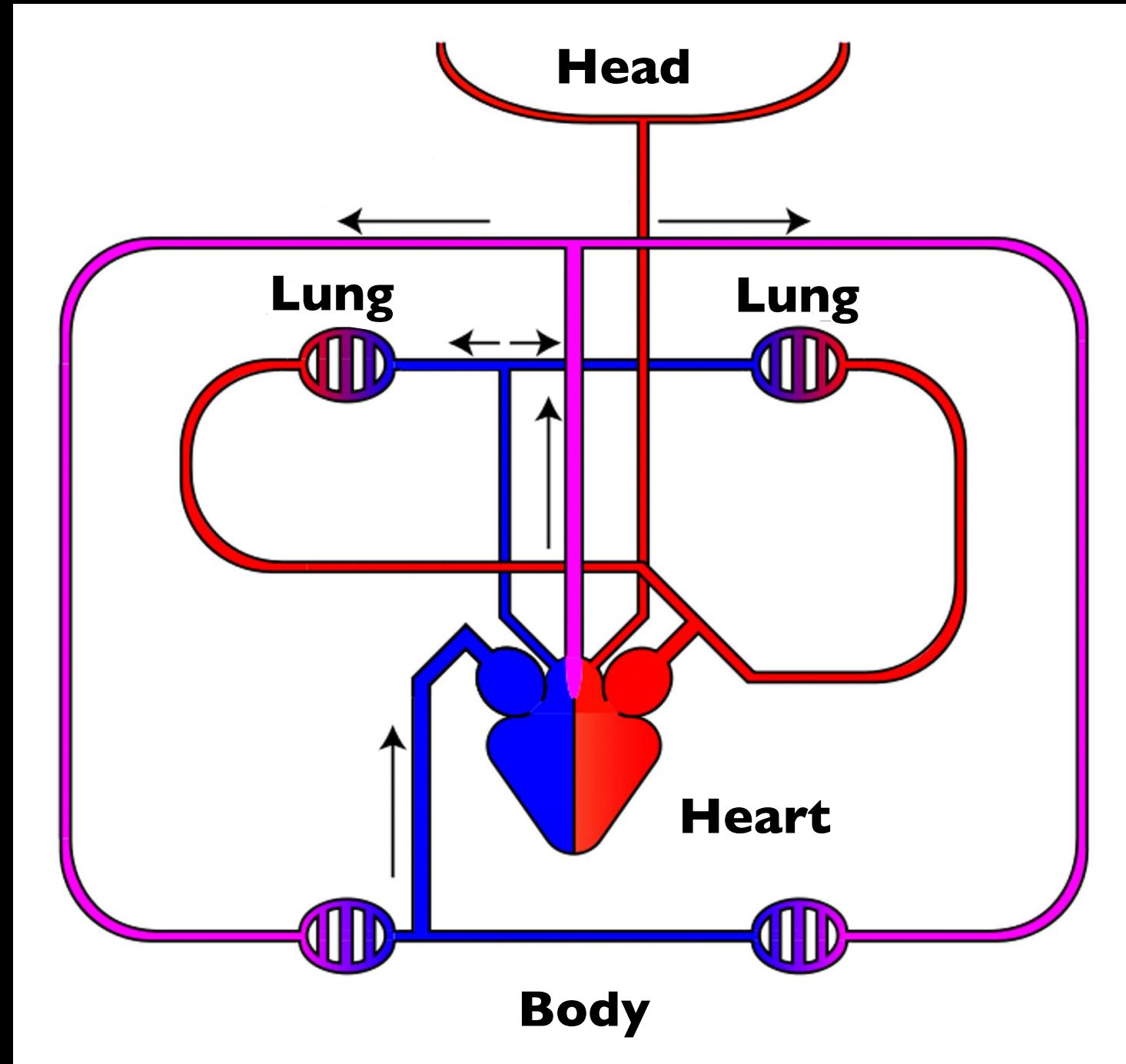


Morphological

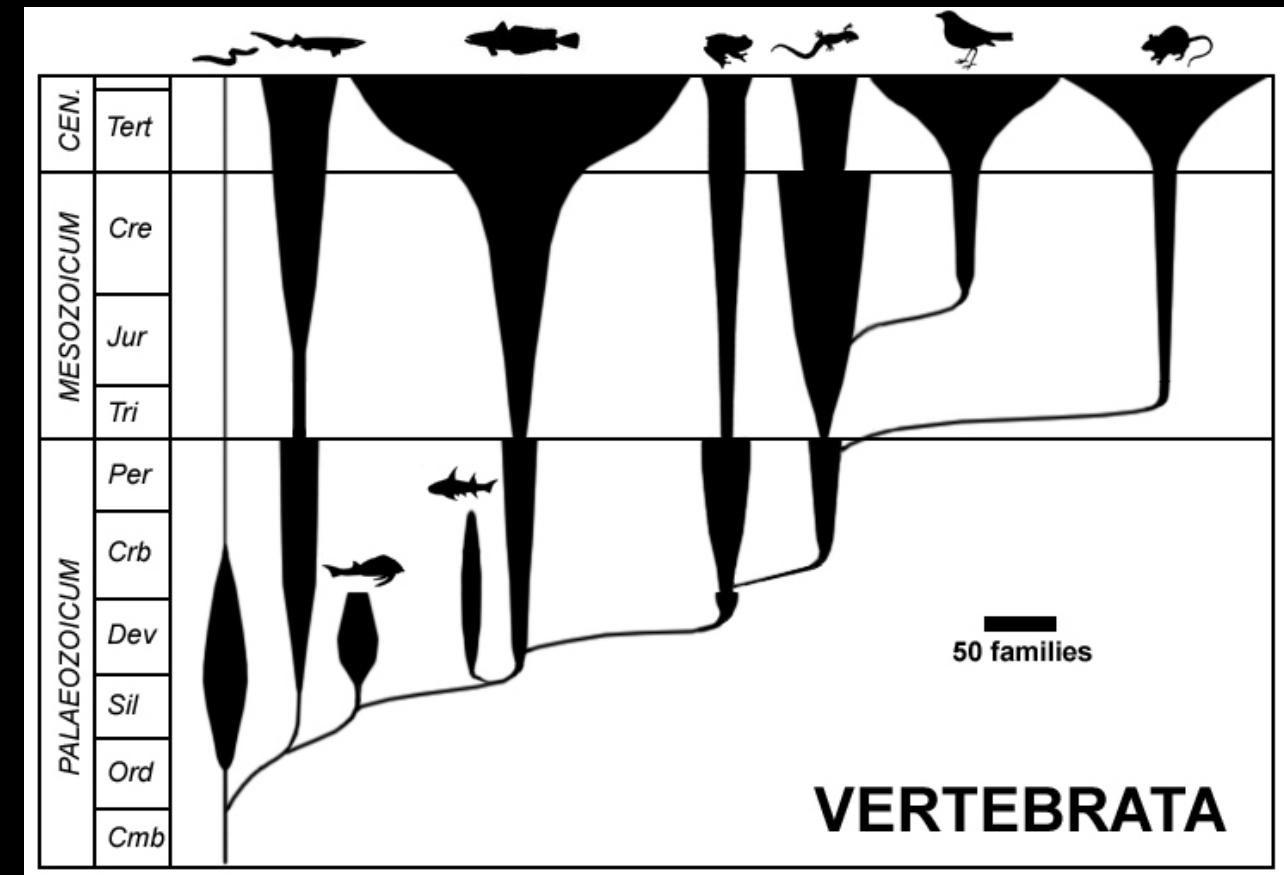
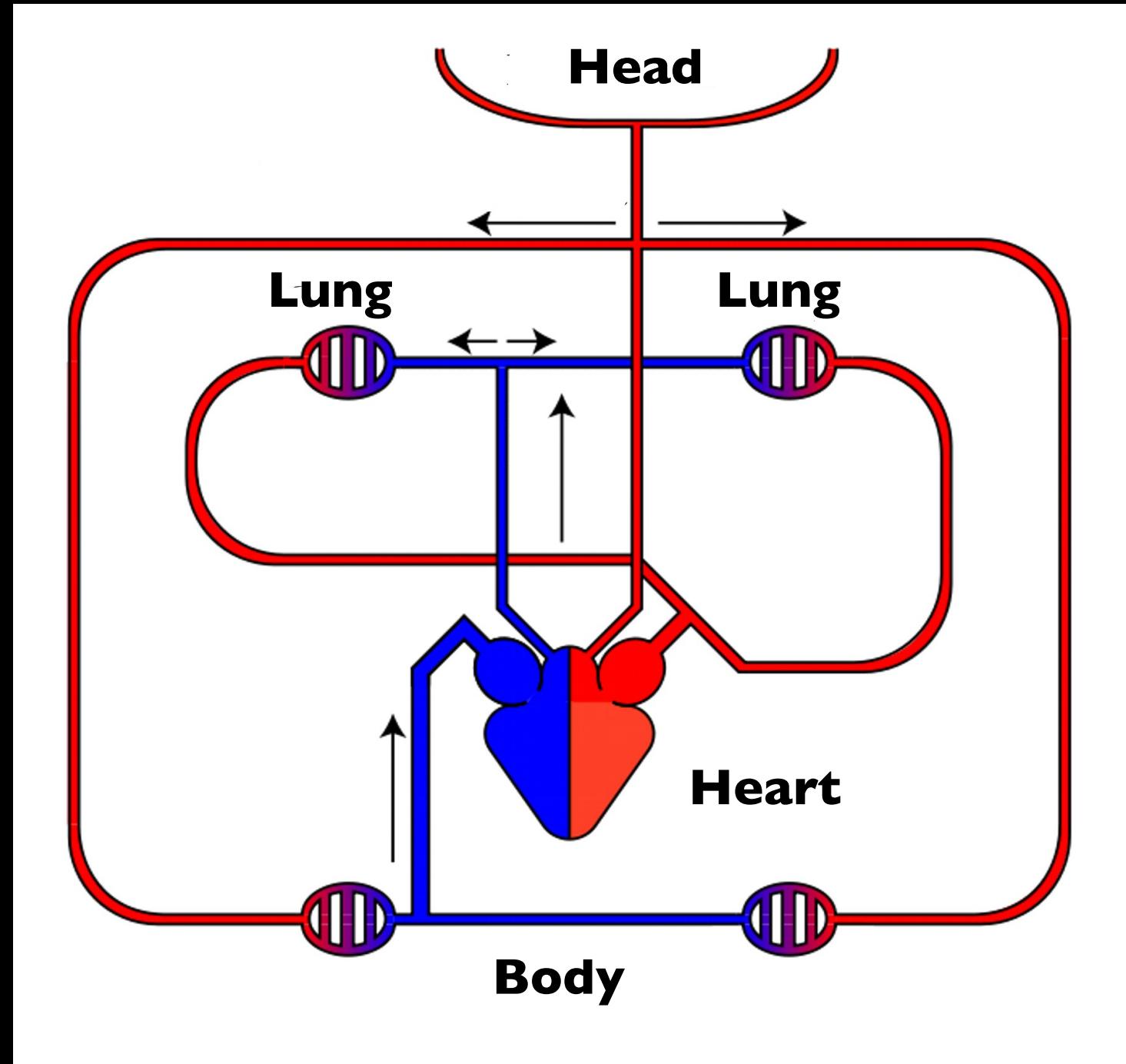




Morphological

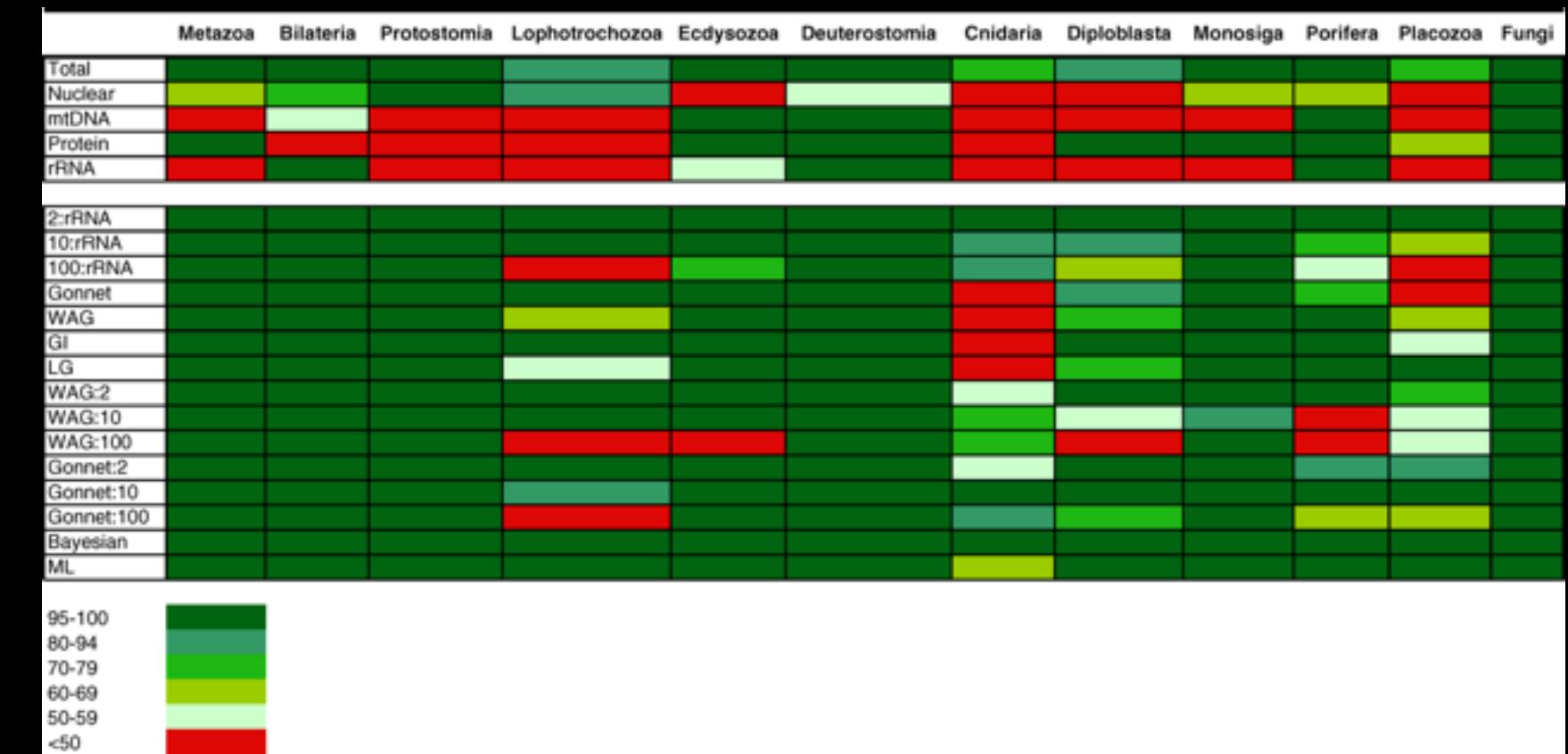
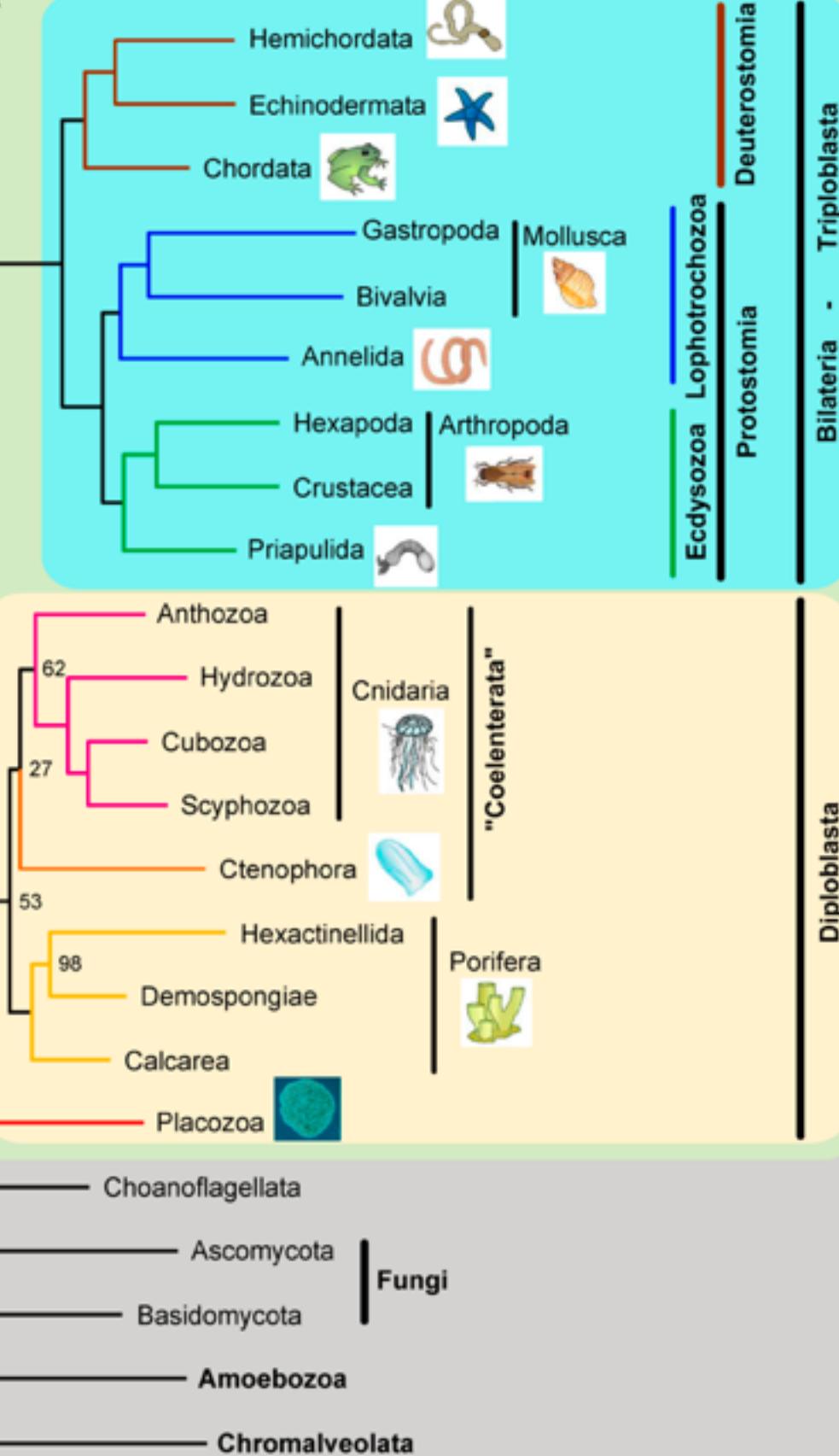


Morphological



Morphological

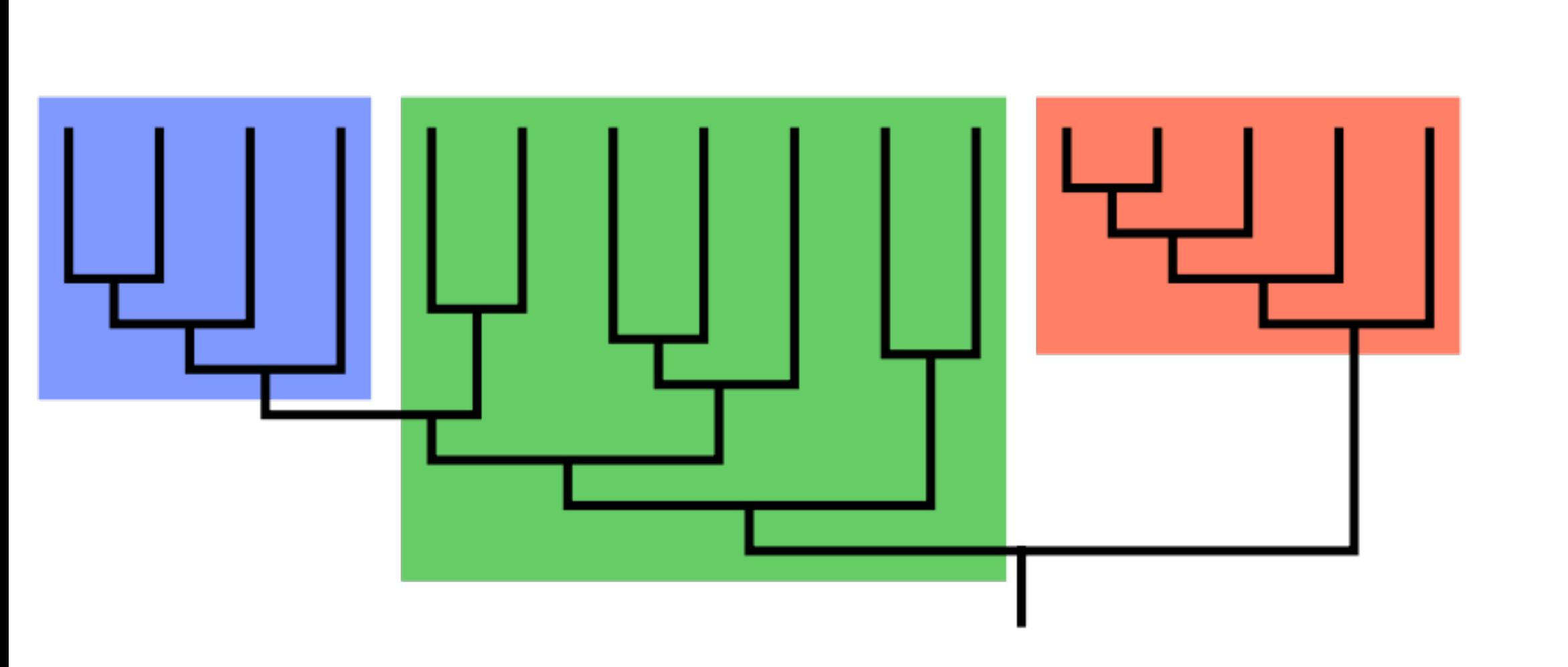
METAZOA



Schierwater B, Eitel M, Jakob W, Osigus H-J, Hadrys H, et al. 2009 Concatenated Analysis Sheds Light on Early Metazoan Evolution and Fuels a Modern "Urmetazoon" Hypothesis. PLoS Biol 7(1): e1000020. doi:10.1371/journal.pbio.1000020

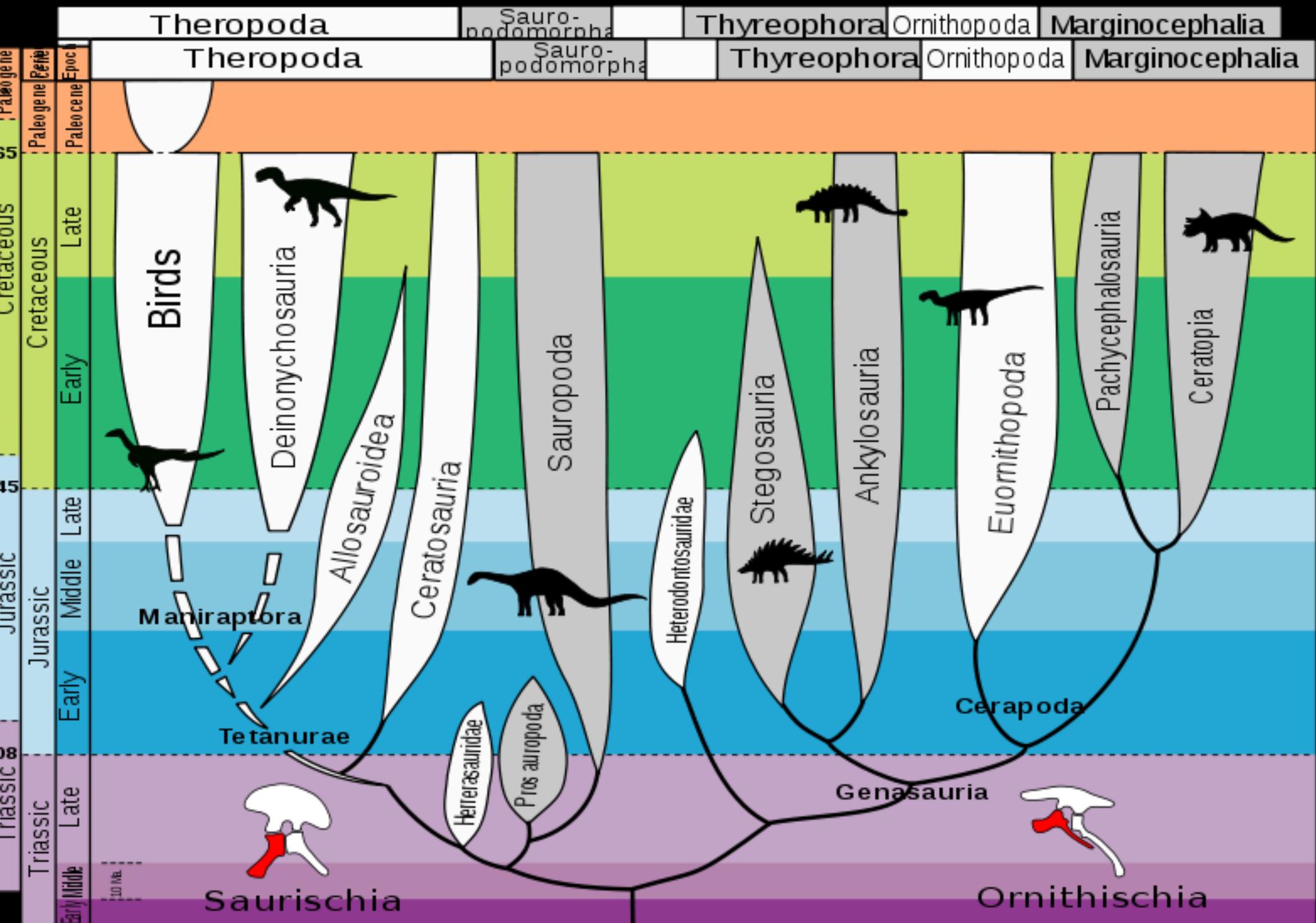
Molecular

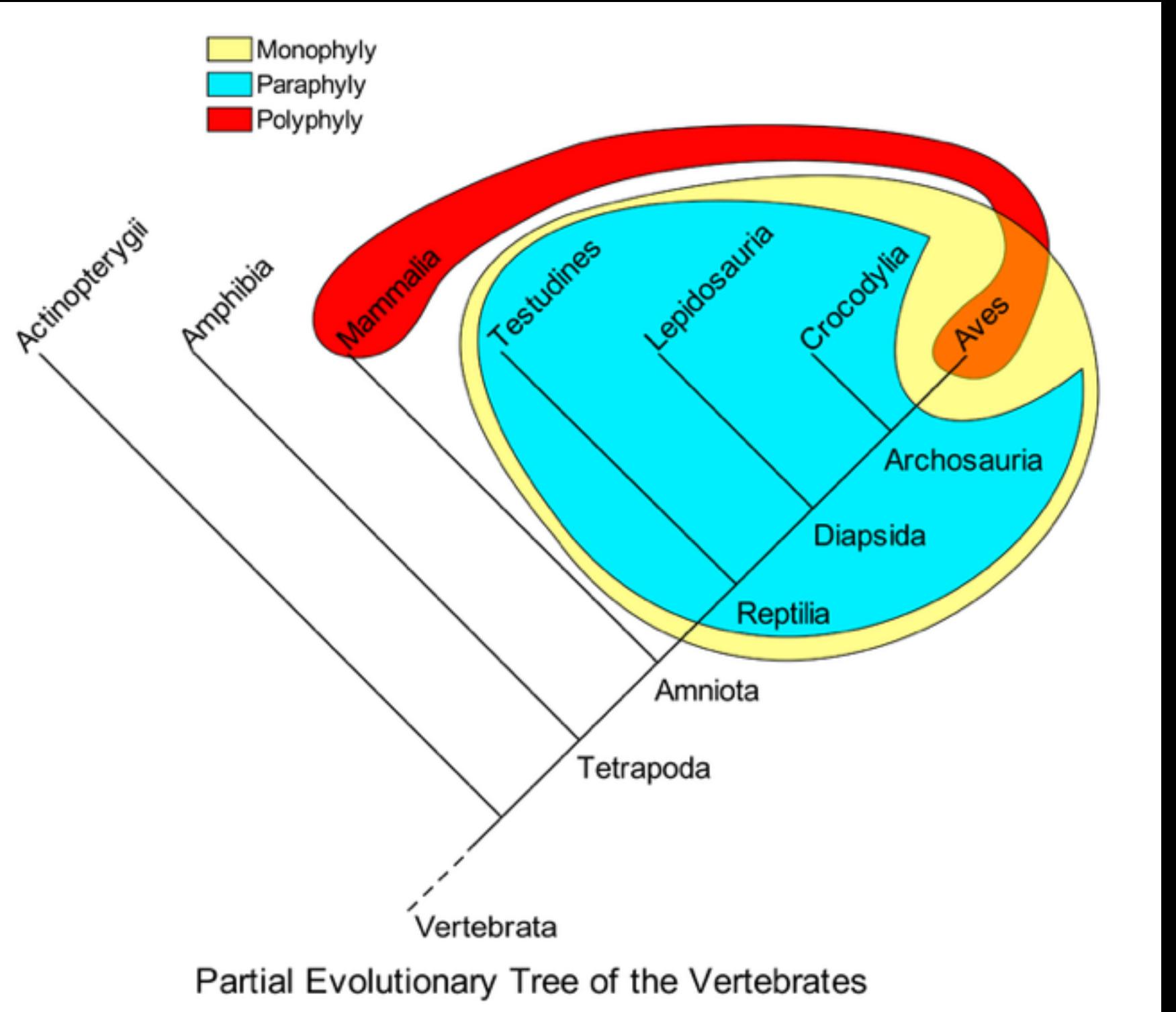
clade - an organism and all descendants



Cladogram

synapomorphies





Cladogram

Acknowledgements

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