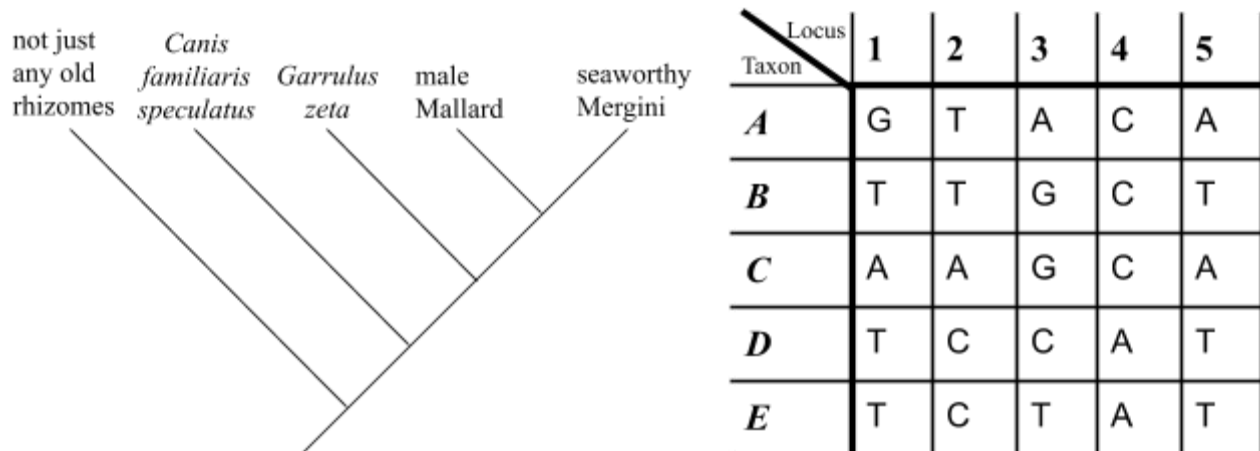


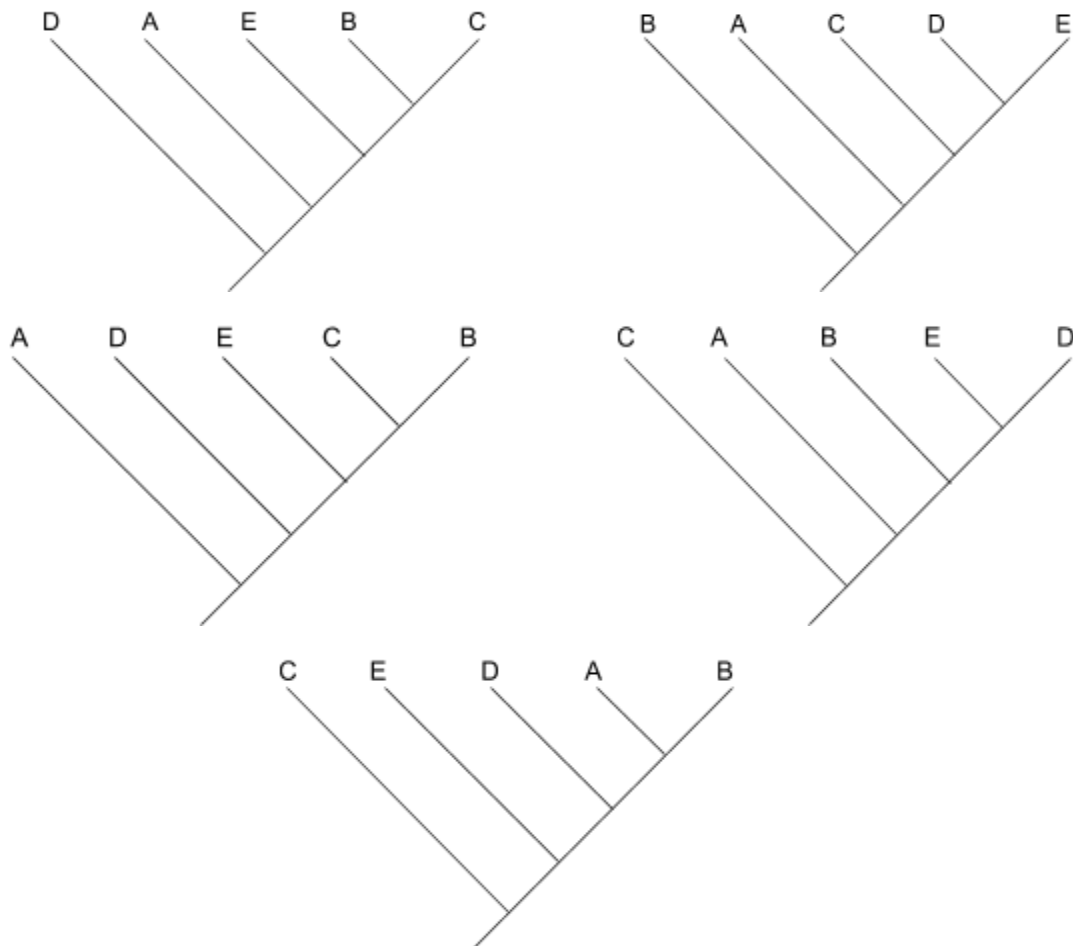
The Evolution of Hip-Hop

What's the common ancestor of Pitbull and Megan Thee Stallion? Are Beastie Boys a monophyletic group?

Here is an interesting phylogeny of hip-hop artists. Uh-oh! I've forgotten which taxon corresponds to which letter in the genetic data table!



Hmm... What do I remember? The correct tree is one of these five, and it's the most parsimonious (i.e., the one requiring the fewest independent evolution/loss events).



Impact of Alleles for Decryption					
Locus Allele	1	2	3	4	5
A	M→O	Q→F	Y→M	M→A	V→N
C	E→D	J→H	W→S	J→A	A→O
T	F→T	P→S	V→E	F→R and P→A	Y→R and Q→L
G	R→E	U→Z	B→E	V→U	S→I

So many phrases for the same thing...

Tariq, Ahmir, et al: “QRJVK MCBJV SMVG”

Shawn: “JNFBYIOY MBDUQQJ PFYUCFUYBP”

Calvin: “UVPUPTJIVJBLR PCHRYRP”

Kendrick: “CJOQUQM MND GIZM WFYUCFUYEW”

Aubrey: “FVFYMJVDYONS”