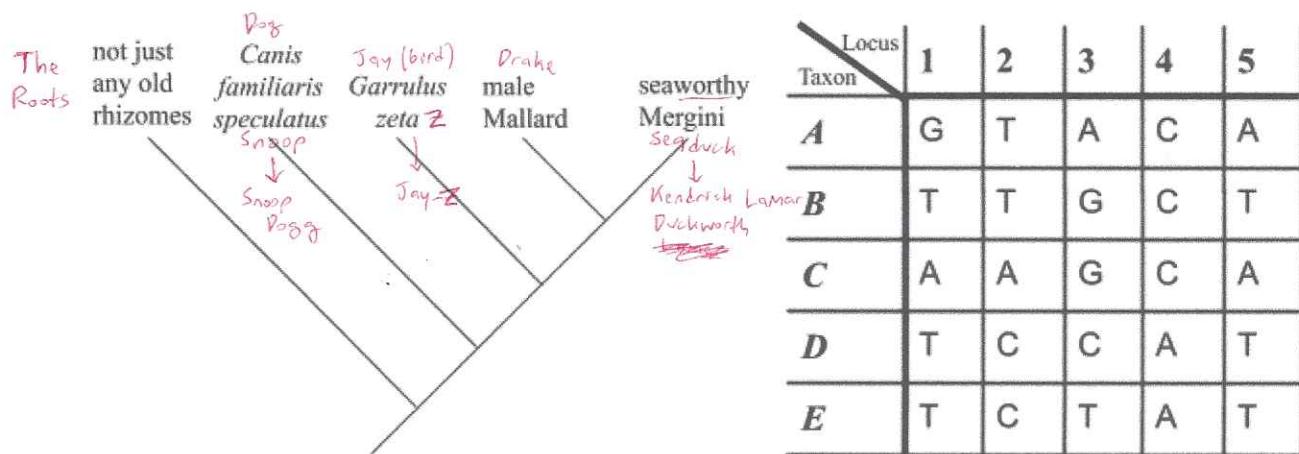


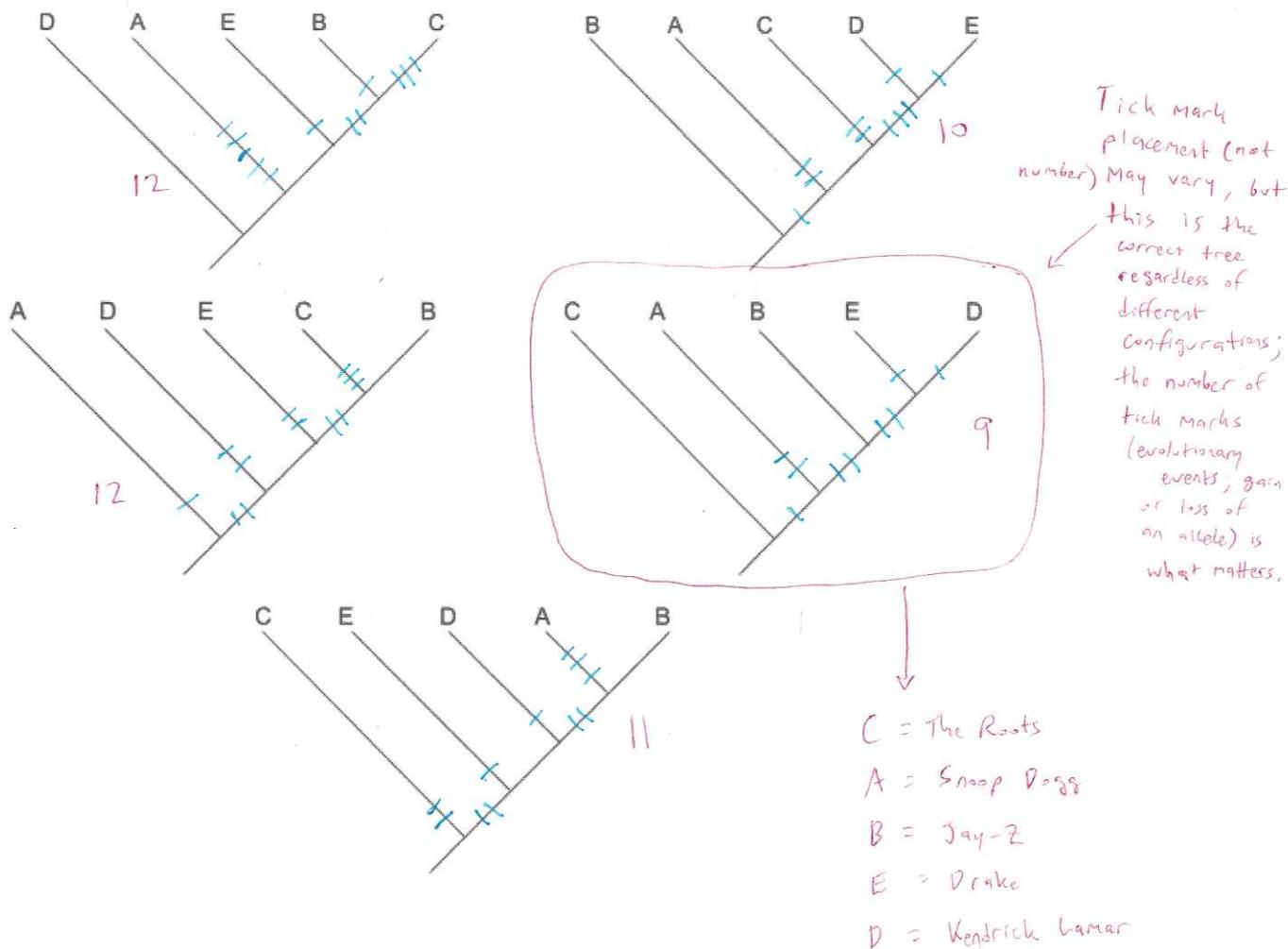
The Evolution of Hip-Hop

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

Allele \ Locus	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...

M→O, Q→F, B→E, ~~Y→M~~, J→A, V→N

Frank Ocean Song
Tariq, Ahmir, et al: "QRJVK MCBJV SMVG" → FRANK OCEAN SONG
F AN O EAN ON

Jay-Z
F→T, P→S, B→E, J→A, Y→R, Q→L

Shawn: "JNFBYIOY MBTUQQJ PFYUCFUYBP" → ANTERIOR MEDULLA STRUCTURES
A TER R E LLASTR T RES

Snoop
R→E, P→S, Y→M, J→A, V→N

Calvin: "UVPUPTJIVJBLR PCHRYRP" → UNSUSTAINABLE SCHEMES
NS S A NA E S EMC S

Kendrick
F→T, S→H, W→S, M→A, Y→R, Q→L

Kendrick: "CJOQUQM MND GIZM WFYUCFUYEW" → CHOLULA AND GIZA STRUCTURES
H L LA A A STR T R S

Drake
F→T, V→E, J→H, M→A, Y→R, Q→L

Aubrey: "FVFYMJVVDYONS" → TETRAHEDRONS
TETRAHE R

FRANK OCEAN SONG

ANTERIOR MEDULLA STRUCTURES

UNSTAINABLE SCHEMES

CHOLULA AND GIZA STRUCTURES

TETRAHEDRONS



PYRAMIDS