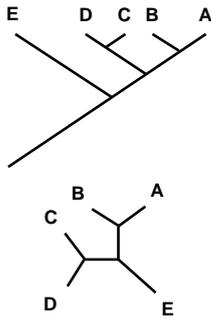


MOLECULAR DATA

Advantages

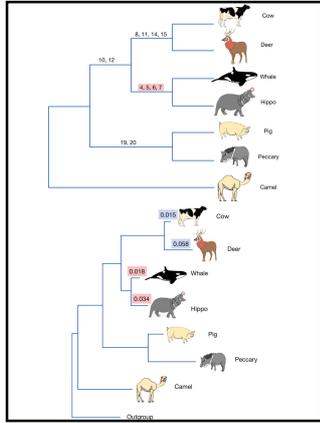
strictly heritable
 unambiguous characters
 and character states
 change predictably
 amenable to quantification
 reasonable homology
 assessment
 ubiquitous
 abundant
 comparative

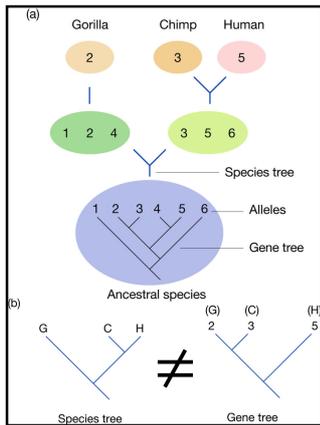


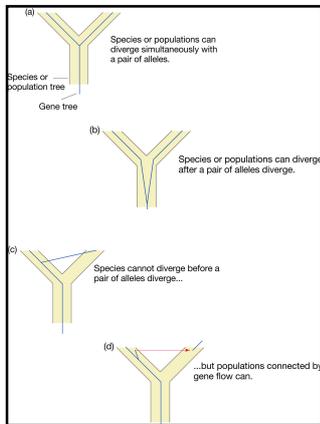
$$N_R = (2n - 3)! / (2^{n-2} (n - 2)!)$$

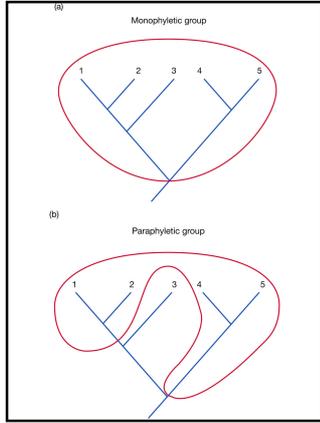
n	A	T
2	1	1
3	3	1
4	15	2
5	105	3
6	945	6
7	10395	11
8	135135	23
9	2027025	46
10	34459425	98
15	213458046676875	4850

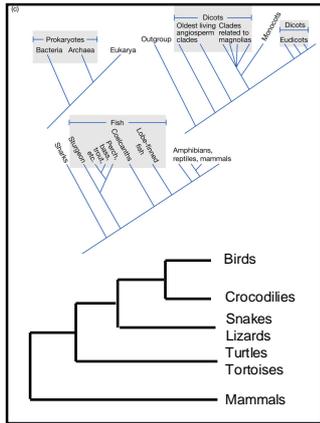
$$N_U = (2n - 5)! / (2^{n-3} (n - 3)!)$$











DATA

OTUs
 taxa
 genes

Characters
 morphological
 behavioural
 molecular

Character States
 quant-, qual-itative
 continuous, discrete
 binary, multistate
 un-, ordered
 distance
 'orphies'

TECHNIQUES

Distances
Parsimony
Maximum Likelihood
Bayesian Inference
