

a) genotype matrix

	sample				
	1	2	3	4	5
site 1	A	T	T	T	A
site 2	C	A	C	A	C
site 3	T	A	T	A	T
site 4	G	C	G	C	G
site 5	C	T	C	C	C

derived  
allele  
frequency

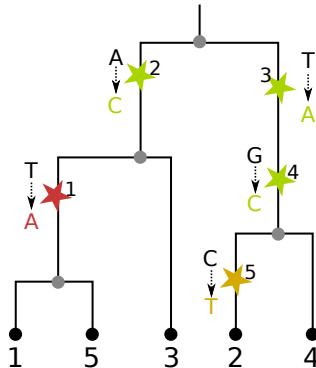
2/5

3/5

2/5

2/5

1/5

b) location of mutations  
on the treec) number of samples  
below each node