

(B) Succinct tree sequence

Nodes							
Node ID	Age						
A	T ₀						
В	T ₀						
C	T ₀						
D	T ₀						
K	T _{II}						
P	T _{III}						
R	T _V						
V	T_{VII}						
	T _{IX}						

Edges								
Left	Right	Parent	Child					
0	2	X	A					
0	1	K	В					
0	1	K	C					
0	2	X	R					
0	1	R	D					
0	1	R	K					
1	3	R	В					
1	3	R	P					
1	3	P	C					
1	3	P	D					
2	3	W	A					
2	3	W	R					

Sites							
Site ID	Position	Ancestral					
0	G ₀	G					
1	G ₁	T					
2	G ₂	G					
3	G ₃	G					
4	G ₄	T					
5	G ₅						
6	G ₆	G					
7	G ₇						
8	G ₈	A					
9	G ₉	T					
10	G_{10}	A					
11	G ₁₁						

Mutations

Mutation ID	Site	Node	Derived	Age
	2	A	A	T _{VI}
1	4	R	C	T_{VIII}
2	6	P	A	T_{IV}
3	9		A	T _{II}
4	11	A		T

(C) Genotype matrix

Site ID

												111
41	A	G		A	G	T	C	G	T	A	A	
	В	G		G	G			G		A	A	
	C	G		G	G		C			A	A	
	D	G	T	G	G		C		T	A	A	C