

(B) Succinct tree sequence

Nodes			Edges							
	Node ID Age		Genome start	Genome end	Parent	Child				
	A	T ₀	L ₀	L ₂	X	A				
	В	T ₀	L ₀	L ₁	K	В				
	C	T ₀	L ₀	L ₁	K	C				
	D	T ₀	L ₀	L ₂	X	R				
	K	T_{II}	L ₀	L ₁	R	D				
	P	T_{III}		L ₁	R	K				
	R	T _V	L ₁	L ₃	R	В				
	V	T_{VII}		L ₃	R	P				
	X	T_{IX}	L ₁	L ₃	P	C				
			L ₁	L ₃	P	D				
			L ₂	L ₃	W	A				
					\//	R				

Sites								
Site ID	Position	Ancestral						
0	S ₀	G						
1	S ₁	T						
2	S ₂	G						
3	S ₃	G						
4	S ₄	T						
5	S ₅	C						
6	S ₆	G						
7	S ₇	T						
8	S ₈	A						
9	S ₉							
10	S ₁₀	A						
11	S 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	D	A	T_{II}					
4	11	A	T	T _I					

(C) Genotype matrix

Site ID

	0	1	2	3	4	5	6	7	8	9	10	11
A	G	T		G		C	G	T	A	T	A	
В	G		G	G			G		A		A	
C	G		G	G		C			A		A	C
D	G	T	G	G		C	A	T	A		A	TCC