

Mutation rate of TTTAAAA  $\rightarrow$  T and TTTAAAA  $\rightarrow$  T

1.5e-08  
1.4e-08  
1.3e-08  
1.2e-08

Africa

Europe

South  
Asia

East  
Asia

TAA  $\rightarrow$  T mutation rate in Africa

1.5e-08  
1.0e-08  
5.0e-09  
0.0e+00

TAA  $\rightarrow$  T mutation rate in Europe

TTTAAAA  $\rightarrow$  T

ATTAAAA  $\rightarrow$  T

