

Transition mutation frequency

$1 \times 10^{-1}$   
 $1 \times 10^{-2}$   
 $1 \times 10^{-3}$   
 $1 \times 10^{-4}$   
 $1 \times 10^{-5}$

A

T

C

G

In vivo  
In vitro

