

Table S5. Reaction rates for the exonuclease and disassociation reactions of pol γ when previous base pair is a Watson-Crick pair or a non-Watson-Crick pair [1].

Previous base pairs	Exonuclease rate (1/s)	Disassociation rate (1/s)
Watson-Crick pair	0.05	0.02
Non-Watson-Crick pair	0.4	0.2

REFERENCES

1. Johnson AA, Johnson KA (2001) Exonuclease proofreading by human mitochondrial DNA polymerase. *Journal of Biological Chemistry* 276: 38097-38107.