

Supporting Information

Martinez and Kolodner 10.1073/pnas.1000798107

Table S1. Genetic properties of the *msh6-R1024C* mutation

Strain no.	Genotype	Mutation rate		
		Thr ⁺	Lys ⁺	Can ^r
RDKY3590	<i>Wild-type</i>	2.01×10^{-9} (1)	1.55×10^{-8} (1)	1.13×10^{-7} (1)
RDKY3684	<i>msh6</i> Δ	3.55×10^{-8} (18)	1.69×10^{-6} (109)	1.59×10^{-6} (14)
RDKY7113	<i>msh6-R1024C</i>	9.82×10^{-8} (53)	1.87×10^{-5} (1,208)	1.27×10^{-6} (12)

The number in parentheses is the fold-increase in mutation rate relative to the wild-type strain RDKY3590. Note that the increased rate of reversion of the *hom3-10* (Thr⁺) and *lys2-10A* frameshift mutations caused by the *msh6-R1024C* mutation relative to that caused by the *msh6* Δ mutation is indicative of a dominant *msh6* mutation as described in ref. 31.