

**Table S1. Nucleotide replacement rates computed from observed replacements at nWC sites and from experimental mutation data of Mansky and Temin (1995).**

	nWC	Mansky and Temin (1995)
G→A	0.39	1
G→U	0.30	0
G→C	0.32	0
A→G	0.36	1
A→U	0.32	0
A→C	0.33	0
U→C	0.37	0.50
U→G	0.31	0.25
U→A	0.32	0.25
C→U	0.37	1
C→G	0.30	0
C→A	0.33	0