Serial analysis of mutation spectra (SAMS). A new approach for the determination of mutation spectra of site-specific DNA damage and their sequence dependence

Huafeng Fang, John-Stephen Taylor*
Department of Chemistry, Washington University, St. Louis, MO 63130

*To whom correspondence should be addressed. Tel. (314) 935-6721 Fax: (314) 935-4481; Email: taylor@wustl.edu

Supplementary Table 1. Statistical analysis of equenced bypass products of 5'-NN-3'.

5'-NN-3'	obs[a]	obs-exp[b]	$(obs-exp)^2/exp$
AA	11	-0.06	0.00
AC	15	3.94	1.40
AG	13	1.94	0.34
AT	8	-3.06	0.85
CA	22	10.94	10.81
CC	4	-7.06	4.51
CG	15	3.94	1.40
CT	12	0.94	0.08
GA	8	-3.06	0.85
GC	7	-4.06	1.49
GG	6	-5.06	2.32
GT	13	1.94	0.34
TA	11	-0.06	0.00
TC	12	0.94	0.08
TG	10	-1.06	0.10
TT	10	-1.06	0.10
total	177		24.67
		X^2 (0.01)	30.6
		X^2 (0.05)	25

[a] obs: observed, [b] exp: expected