Table S1. MLR coefficients representing mutation rates

	Ref1	Ref2	Ref3	Ref4	Ref5	Ref6
Sample 1	0.01833083	0.011771257	0.049015334	0.035585523	0.02029937	0.01386107
Sample 2	0.012635604	0.054551679	0.018119244	0.031400343	0.030192116	0.01537179
Sample 3	0.013948088	0.026139348	0.019265253	0.039561482	0.832173523	0.01215086
Sample 4	0.03251846	0.040946986	0.029043453	0.059512464	0.033805617	0.03873657
Sample 5	-0.003474715	0.022763874	0.829655144	0.048042985	0.77873142	0.06444665
Sample 6	0.022657083	0.019969205	0.026268125	0.046200076	0.046068431	0.01642948
Sample 7	-0.010260818	0.047719392	0.017915552	0.078503862	-0.00164113	0.62755189
Sample 8	-0.00106987	0.042044514	0.043256147	0.037793688	0.055144315	0.01668996
Sample 9	0.041480141	0.042565178	0.028841531	0.037708305	0.00645159	0.03395289
Sample 10	0.028622944	0.038972889	0.021151673	0.051928617	0.011307773	0.00869329
Sample 11	0.023283945	0.045279745	0.027162816	-0.000198442	0.023748399	0.01556098
Sample 12	0.029396938	0.000767436	0.016049996	0.018090098	0.027518234	0.03623291
Sample 13	0.020690784	0.038122164	0.017514234	0.053583974	0.047413166	0.01976667
Sample 14	0.018668068	0.054485693	0.762607642	0.064877191	0.805272037	0.04649923
Sample 15	0.001811484	0.031632804	0.73002037	0.046698681	0.017540024	0.03123178
Sample 16	0.026582894	0.042071234	0.006081364	0.030257897	0.03575038	0.04201079
Sample 17	0.013887379	0.021150917	-0.008664327	0.805328842	0.764779642	-0.01165928
Sample 18	0.037281121	0.014170408	0.023027859	0.037304172	0.02556879	0.04668841
Sample 19	0.016152923	0.010962988	0.004335041	0.049072329	0.01759337	0.01348296
Sample 20	0.032599761	0.015604442	0.040093028	0.033979112	0.022626987	0.01543077
Sample 21	0.018887473	0.036581214	0.044186429	0.027151465	0.018017818	0.04963495
Sample 22	0.013427605	0.030293751	0.018067294	0.683464972	0.033627527	0.04213587
Sample 23	0.879838483	0.057358725	-0.012353311	0.746792666	0.054722945	0.03887847
Sample 24	0.013493398	0.014370327	0.041942228	0.039349158	0.492764135	0.02582261
Sample 25	0.001549749	0.056746159	0.509983058	0.026753355	0.044085662	0.02389978
Sample 26	0.016052958	0.053335395	0.031234893	0.03666066	0.039140617	0.02793508
Sample 27	0.02543537	0.013017211	0.012324091	0.040891265	0.033537636	0.04592844
Sample 28	0.041649473	0.016980444	-0.005425846	0.052099812	0.040368739	0.01136782
Sample 29	0.004889117	0.025749114	0.02781067	0.046461058	0.011611746	0.0218387
Sample 30	0.007158549	0.051988246	0.007894975	0.058677279	0.034326809	0.03907861
Sample 31	0.003720849	0.038307886	0.032923309	0.019840864	0.041146182	0.04852442
Sample 32	0.032724811	0.020782472	0.037985147	0.023221847	0.020174318	0.02243739
Sample 33	0.008486469	0.049271089	0.594302435	0.047423152	0.012969431	0.03241665
Sample 34	0.00821056	0.042628645	0.034045461	0.020398464	0.022903219	0.03742224
Sample 35	0.044147299	0.025908936	0.029870042	0.037545511	0.016603581	0.02633949
Sample 36	0.028613211	0.016634585	0.033989212	0.055846107	0.052158538	0.04866126
Sample 37	0.022540448	0.021975276	0.693473188	0.06113037	-0.010575133	0.63103711
Sample 38	0.014161516	0.023752322	-0.003645193	0.032719465	0.021483446	0.02176692

Sample 39	0.020303811	0.018407576	0.005066505	0.051451388	0.036366621	0.01416848
Sample 40	-0.017326507	0.526649434	0.609736255	0.082883001	0.020673967	0.02403531
Sample 41	0.007777003	0.034676277	0.015803155	0.063521252	0.033450177	0.03347672
Sample 42	0.016519482	0.058571926	0.029832303	0.055928359	0.011634425	0.01897266
Sample 43	0.749185624	0.033983014	0.03265475	0.531471443	0.025782716	0.01844502
Sample 44	0.821136824	0.020857986	0.001193472	0.055005407	0.037625691	0.05758862
Sample 45	0.017797025	0.020513292	0.031781924	0.013029023	0.019034417	0.02746867
Sample 46	0.020608823	0.018606932	0.018120005	0.025849378	0.029730753	0.01687926
Sample 47	0.005549435	0.032689523	0.009214488	0.047056846	0.01109111	0.01490697
Sample 48	0.001824699	0.839322169	0.03891019	0.044847907	-0.003553677	0.06361542
Sample 49	0.021451086	0.03863242	0.033038802	0.045454941	0.030116394	0.04712554