S1 Table

Intergenic region

	median value	mean value	standard deviation
All variants	8.8	8.99	2.53
Transition SNPs	5.61	5.72	1.74
Transversion SNPs	2.52	2.59	0.98
Indels	0.64	0.68	0.41

CpG island

	median value	mean value	standard deviation
All variants	9.46	10.91	7.51
Transition SNPs	5.35	6.91	6.1
Transversion SNPs	3.07	3.49	3.24
Indels	0.0	0.51	1.1

Promoter

	median value	mean value	standard deviation
All variants	8.33	8.67	3.22
Transition SNPs	5.0	5.19	2.22
Transversion SNPs	2.67	2.84	1.34
Indels	0.67	0.64	0.55

5' UTR exons

	median value	mean value	standard deviation
All variants	8.06	10.23	11.55
Transition SNPs	4.0	6.04	8.53
Transversion SNPs	0.0	3.68	6.71
Indels	0.0	0.51	2.13

Coding exons

	median value	mean value	standard deviation
All variants	6.83	7.52	4.44
Transition SNPs	4.98	5.56	3.49
Transversion SNPs	1.56	1.87	1.77
Indels	0.0	0.09	0.36

3' UTR exons

	median value	mean value	standard deviation
All variants	7.61	8.46	6.52
Transition SNPs	4.73	5.42	5.05
Transversion SNPs	1.9	2.39	3.08
Indels	0.0	0.66	1.37

All exons

	median value	mean value	standard deviation
All variants	7.59	8.18	3.72
Transition SNPs	5.15	5.63	2.84
Transversion SNPs	1.98	2.22	1.45
Indels	0.18	0.33	0.46

Introns

	median value	mean value	standard deviation
All variants	8.39	8.74	3.05
Transition SNPs	5.37	5.62	2.16
Transversion SNPs	2.34	2.48	1.11
Indels	0.61	0.64	0.39

Intragenic region

	median value	mean value	standard deviation
All variants	8.36	8.77	3.04
Transition SNPs	5.39	5.71	2.16
Transversion SNPs	2.32	2.48	1.09
Indels	0.57	0.58	0.34