

Supplemental Table 1a Total 8-oxoG scores for individual chromosomes. The number and positions of 8-oxoG signals on ten of each chromosome from each subject are described.

Chromosome number	8-oxoG score				Total	8-oxoG density (total score / length)	Chromosome length (Mb)*
	A (46,XY)	B (46,XY)	C	D (46,XX)			
Chr 1	164	136	136	118	554	2.25	246
Chr 2	132	114	136	135	517	2.12	244
Chr 3	88	74	89	85	336	1.69	199
Chr 4	67	67	85	81	300	1.56	192
Chr 5	71	77	83	81	312	1.72	181
Chr 6	71	65	70	59	265	1.55	171
Chr 7	78	73	81	62	294	1.85	159
Chr 8	63	55	64	52	234	1.60	146
Chr 9	75	72	70	58	275	2.02	136
Chr 10	66	59	54	58	237	1.76	135
Chr 11	73	70	74	74	291	2.16	135
Chr 12	77	46	77	73	273	2.07	132
Chr 13	56	62	66	49	233	2.06	113
Chr 14	59	48	42	43	192	1.82	105
Chr 15	57	75	55	43	230	2.29	100
Chr 16	65	46	44	52	207	2.30	90
Chr 17	60	32	50	48	190	2.32	82
Chr 18	54	39	63	45	201	2.64	76
Chr 19	49	50	38	38	175	2.74	64
Chr 20	40	30	33	39	142	2.23	64
Chr 21	49	38	39	32	158	3.36	47
Chr 22	37	33	38	25	133	2.69	49
Chr X	80	75	63	70	288	1.86	155
Chr Y	40	36			76	1.31	58

The number and positions of 8-oxoG signals on ten of each chromosome from each subject are described.

* http://www.ensembl.org/Homo_sapiens/

Supplemental Table 1b Number and width of detected regions in each individual

	A	B	C	D
Total number of detected region	196	200	184	183
Averaged width (Mb)	4.9	4.9	4.9	5.0
Standard deviation of width (Mb)	2.9	2.9	3.0	3.0

Supplemental Table 1c Frequency of commonly detected region in four individuals

