

Supplementary Table 3 *P*-values obtained with the Mann-Whitney U-test for the SNP frequency in regions with a high density of 8-oxoG vs. SNP frequency in regions without a high density of 8-oxoG.

SNP Spectrum		<i>P</i> -values						TOTAL
		G/T	A/C	A/G	C/T	C/G	A/T	
Chromosome								
Chr1	0.0255*	0.2325 (NS)	<0.0001*	<0.0001*	0.0004*	0.0169*	<0.0001*	
Chr2	0.7772 (NS)	0.6113 (NS)	0.0010*	0.0038*	0.0396**	0.0003*	0.0171*	
Chr3	<0.0001*	<0.0001*	<0.0001*	<0.0001*	<0.0001*	<0.0001*	<0.0001*	
Chr4	<0.0001*	<0.0001*	<0.0001*	<0.0001*	<0.0001*	<0.0001*	<0.0001*	
Chr5	<0.0001*	<0.0001*	<0.0001*	<0.0001*	<0.0001*	0.0006*	<0.0001*	
Chr6	0.0457*	0.0203*	0.3505 (NS)	0.6650 (NS)	0.6603 (NS)	0.1924 (NS)	0.7670 (NS)	
Chr7	0.0349*	0.7957 (NS)	<0.0001*	<0.0001*	<0.0001*	<0.0001**	<0.0001*	
Chr8	<0.0001*	<0.0001*	<0.0001*	<0.0001*	<0.0001*	0.0177*	<0.0001*	
Chr9	0.0454**	0.0090**	0.0062**	0.0409*	0.0018**	<0.0001**	0.0030**	
Chr10	0.0002**	<0.0001**	0.5468 (NS)	0.4284 (NS)	0.1863 (NS)	0.0002**	0.1420 (NS)	
Chr11	0.0020*	0.0106*	<0.0001*	<0.0001*	<0.0001*	0.0857 (NS)	<0.0001*	
Chr12	0.0002*	<0.0001*	<0.0001*	<0.0001*	<0.0001*	0.7813 (NS)	<0.0001*	
Chr13	0.0145**	0.0280**	0.0265**	0.0181*	0.0055*	<0.0001**	0.3294 (NS)	
Chr14	0.0882 (NS)	0.1637 (NS)	0.0006*	<0.0001*	0.0049*	<0.0001**	0.0038*	
Chr15	0.2041 (NS)	0.3119 (NS)	0.0021*	<0.0001*	0.0029*	0.0046*	0.0005*	
Chr16	0.3536 (NS)	0.0345*	0.1736 (NS)	0.4862 (NS)	0.0476*	<0.0001**	0.8397 (NS)	
Chr17	0.0020*	0.0050*	<0.0001*	<0.0001*	<0.0001*	0.0011*	<0.0001*	
Chr18	<0.0001*	<0.0001*	<0.0001*	<0.0001*	<0.0001*	0.0511 (NS)	<0.0001*	
Chr19	0.0220*	0.5393 (NS)	0.0068*	0.1316 (NS)	0.0700 (NS)	0.2495 (NS)	0.0195*	
Chr20	0.0038**	0.0252**	<0.0001**	0.0090**	0.1274 (NS)	<0.0001**	0.0002**	
Chr21	0.8525 (NS)	0.3583 (NS)	<0.0001*	0.0008*	0.0006*	0.1703 (NS)	0.0100*	
Chr22	0.0507 (NS)	0.5886 (NS)	0.4749 (NS)	0.8716 (NS)	0.4466 (NS)	0.1079 (NS)	0.5788 (NS)	
All chromosomes	<0.0001*	<0.0001*	<0.0001*	<0.0001*	<0.0001*	0.6327 (NS)	<0.0001*	

*The average value of SNP frequency in regions with a high density of 8-oxoG is higher than that in regions without a high density of 8-oxoG.

**The average value of SNP frequency in regions with a high density of 8-oxoG is lower than that in regions without a high density of 8-oxoG.

Centromeric regions of all chromosomes, constitutive heterochromatine regions and p-arm of acrocentric chromosomes were excluded from this analysis because of no available SNP data. NS : not significant.