Table S1: Summary of CPD Repair Activity in Different Chromatin States

Chromatin Type	Overall Repair[a,b]	TS Repair[a,b]	NTS Repair[a,b]	Transcriptional Repair Asymmetry[a,c]	Median RPKM[d]	Nucleosome Repeat Length	Translational Repair Period[e]
Repressive Chromatin	-0.577	-0.440	-0.559	0.119	0.000	184.8	184.8
PcG Hetero-chromatin	0.052	0.279	-0.017	0.296	0.174	183.2	183.8
Centromeric Chromatin	-0.302	0.241	-0.687	0.928	23.022	179.1	--[f]
Inducible Euchromatin	1.080	1.422	0.427	0.995	28.655	181.2	--[f]
Constituitive Euchromatin	0.150	0.389	-0.401	0.790	29.604	173.9	173.7

[a] Repair activity measured 30 minutes after UV exposure and normalized to cellular damage data

[b] Data displayed as: Log_2(repair / damage)

[c] Data displayed as: Log_2([TS repair / TS damage] / [NTS repair / NTS damage])

[d] Reads Per Kilobase per Million mapped reads, a measure of transcription of genes resident in each chromatin state

[e] Derived from repair activity measured 30 minutes after UV exposure and normalized to cellular damage data

[f] Translational repair periods omitted where no clear signal was present