

Supplementary

Table S1. Observed translocations and inversions per 200 cells for whole chromosome 1, 2 and 3 dGH paints and estimated bone marrow doses (mGy).

	Number of Participants	Location exposed	Observed Translocations per 200 cells	Observed Inversions per 200 cells	Estimated bone marrow dose (mGy)*	Estimated bone marrow dose (mGy) with correction for <MMD**
Age Matched Controls	12	na	4	16	na	na
		na	1	27	na	na
		na	6	24	na	na
		na	6	17	na	na
		na	5	21	na	na
		na	7	38	na	na
		na	2	26	na	na
		na	11	21	na	na
		na	3	33	na	na
		na	3	15	na	na
		na	0	18	na	na
		na	3	9	na	na
Exposed Veterans	12	Rongerik	6	27	530	530
		Rongerik	6	38	230	120
		Rongerik	8	25	180	160
		Rongerik	3	19	120	160
		Rongerik	4	17	-47	160
		Rongerik	8	40	740	740
		NTS/PPG	4	22	-41	160
		NTS/PPG	7	21	280	280
		NTS/PPG	6	23	150	120
		NTS/PPG	5	27	410	410
		NTS/PPG	2	29	-130	120
		NTS/PPG	20	25	-130	160

*Based on inverse-variance weighted translocation and inversion dose, without correction for MDD)

**one-half MDD imputed for biodose estimates <MDD (depends on smoking status)