

**Supplementary Table 8.** Correlation between gene expression and methylation at the promoters of selected inflammation associated genes. The results are also shown for all of the probes in each gene combined. In the case of *IL6*, the three probes that showed a negative correlation with gene expression (cg00087425, cg13104385 and cg05265849) were combined. Scatter plots of the correlations below are shown in Supplementary Figure 1 and Supplementary Figure 2.

<b>Gene</b>	<b>CpG probe ID</b>	<b>Spearman correlation</b>	<b>p value</b>
<i>TNF</i>	cg21370522	-0.44	0.088
	cg01569083	-0.37	0.16
	cg03037030	-0.38	0.15
	cg12681001	-0.48	0.06
	cg21222743	-0.44	0.088
	cg10717214	-0.61	0.012
	Combined	-0.61	0.012
<i>IL6</i>	cg00087425	-0.41	0.11
	cg13104385	-0.56	0.024
	cg05265849	-0.57	0.021
	cg07998387	0.16	0.55
	Combined	-0.55	0.027
<i>CXCR2</i>	cg25941354	-0.38	0.15
	cg10591797	-0.4	0.12
	cg13739417	-0.38	0.15
	Combined	-0.5	0.049
<i>CCL5</i>	cg02483931	-0.68	0.0038
	cg08656816	-0.65	0.0064
	Combined	-0.69	0.0031
<i>CCL2</i>	cg17864156	-0.62	0.01
<i>IL1A</i>	cg00839584	-0.58	0.034