

Supplementary Table 11. Correlation between pro-inflammatory genes and ZIP genes that are differentially expressed in the OA hip clusters. The correlation is also shown for all four pro-inflammatory genes combined. Scatter plots of the correlations are shown in Supplementary Figure 5 and Supplementary Figure 6.

Pro-inflammatory gene	ZIP gene	Spearman correlation	p value
<i>IL1A</i>	<i>ZIP3</i>	0.62	0.009
	<i>ZIP4</i>	0.41	0.1
	<i>ZIP7</i>	0.56	0.02
	<i>ZIP8</i>	0.86	0.00003
	<i>ZIP11</i>	0.64	0.008
	<i>ZIP14</i>	0.72	0.002
<i>IL1B</i>	<i>ZIP3</i>	0.22	0.4
	<i>ZIP4</i>	0.33	0.2
	<i>ZIP7</i>	0.53	0.04
	<i>ZIP8</i>	0.57	0.02
	<i>ZIP11</i>	0.097	0.7
	<i>ZIP14</i>	0.37	0.2
<i>IL6</i>	<i>ZIP3</i>	0.15	0.6
	<i>ZIP4</i>	0.32	0.2
	<i>ZIP7</i>	0.43	0.1
	<i>ZIP8</i>	0.15	0.6
	<i>ZIP11</i>	0.23	0.4
	<i>ZIP14</i>	0.26	0.3
<i>TNF</i>	<i>ZIP3</i>	0.84	0.00001
	<i>ZIP4</i>	0.63	0.008
	<i>ZIP7</i>	0.26	0.3
	<i>ZIP8</i>	0.66	0.005
	<i>ZIP11</i>	0.63	0.009
	<i>ZIP14</i>	0.77	0.0005
Combined	<i>ZIP3</i>	0.87	0.00001
	<i>ZIP4</i>	0.69	0.0031
	<i>ZIP7</i>	0.40	0.1
	<i>ZIP8</i>	0.73	0.001
	<i>ZIP11</i>	0.60	0.01
	<i>ZIP14</i>	0.78	0.0003