

**Table S1.** Linear regression analysis of leptin with plasma chemokines and clinical parameters.

Characteristic	Leptin	
	p-value	$\beta$ coef
CXCL9/MIG*	0.512	0.130
CCL3/MIP-1 $\alpha$ *	0.351	0.186
CXCL1/GRO $\alpha$ *	0.192	0.256
CXCL11/I-TAC	0.838	0.038
DAS28-ESR	0.588	0.098
CDAI	0.406	0.151
DAS28-CRP	0.414	0.149
TJC28	0.341	0.175

Multiple linear regression adjusted for sex, age and BMI. Only variables associated with plasma leptin in the OPLS analysis were tested for significance with linear regression analyses.

*Abbreviations:* DAS28, disease activity score in 28 joints; ESR, erythrocyte sedimentation rate; CDAI, Clinical Disease Activity Index; CRP, C-reactive protein; TJC28 tender joint counts of 28.

\* CCL3/MIP-1 $\alpha$  was undetectable in 15% of samples, CXCL9/MIG in 14%, CXCL1/GRO $\alpha$  in 17% and CCL4/MIP-1 $\beta$  in 11%.

**Table S2.** Linear regression analysis of resistin with plasma chemokines

Characteristic	Resistin	
	p-value	$\beta$ coef
CXCL1/GRO $\alpha$ *	0.859	0.025
CCL3/MIP-1 $\alpha$ *	0.576	0.078
CCL4/MIP-1 $\beta$ *	0.462	0.103
CXCL8/IL-8	0.157	0.196

Multiple linear regression adjusted for sex, age and BMI. Only variables associated with plasma resistin in the OPLS analysis were tested for significance with linear regression analyses.

\* CXCL1/GRO $\alpha$  was undetectable in 17% of samples, CCL3/MIP-1 $\alpha$  in 15% and CCL4/MIP-1 $\beta$  in 11%.