

**Online Supplemental Table 1: Prevalence of insulin resistance defined as HOMA-IR  $\geq$  90<sup>th</sup> percentile by tertiles of adipokines in the overall cohort (All), in individuals without metabolic syndrome (No metabolic syndrome), and in individuals with the Metabolic syndrome**

Tertiles <sup>a</sup>	All				No metabolic syndrome				Metabolic syndrome			
	T1	T2	T3	p-value <sup>b</sup>	T1	T2	T3	p-value <sup>b</sup>	T1	T2	T3	p-value <sup>b</sup>
Adiponectin (n/tertile)	776	798	782		312	484	577		464	314	205	983
% above 90 <sup>th</sup> (SE)	20.5 (1.5)	7.1 (0.9)	2.2 (0.5)	<.0001	4.4 (1.2)	1.8 (0.6)	0.7 (0.3)	<.0001	31.2 (2.2)	15.1 (2.0)	6.6 (1.7)	<.0001
Resistin (n/tertile)	783	786	787		503	465	405		280	321	382	
% above 90 <sup>th</sup> (SE)	8.0 (1.0)	9.8 (1.1)	11.8 (1.2)	0.01	1.7 (0.6)	1.9 (0.6)	2.2 (0.7)	0.5	19.4 (2.4)	20.8 (2.3)	22.1 (2.1)	0.1
TNF $\alpha$ (n/tertile)	713	711	707		474	394	354		239	317	353	
% above 90 <sup>th</sup> (SE)	7.8 (1.0)	9.8 (1.1)	12.1 (1.2)	0.006	1.9 (0.6)	2.1 (0.7)	2.4 (0.8)	0.1	19.2 (2.6)	20.2 (2.3)	21.5 (2.2)	0.2

All results are age-sex adjusted

<sup>a</sup> tertiles: T1= first tertile; T2= second tertile; T3= third tertile. Age-sex adjusted mean adipokines values across rising tertiles were the following: adiponectin= 4.8, 8.9, and 15.8  $\mu$ g/mL; resistin= 8.5, 12.6, and 19.7 ng/mL; TNF- $\alpha$  = 0.78, 1.2 and 2.1 pg/mL.

<sup>b</sup> p-value for trend across tertiles in each adipokine