

**Supplementary table 4.** Correlations of AUCs of hunger and satiety with GDF15, glucose and insulin.

		Lean						Obese					
		AUC <sub>Glucose</sub>		AUC <sub>Insulin</sub>		AUC <sub>GDF15</sub>		AUC <sub>Glucose</sub>		AUC <sub>Insulin</sub>		AUC <sub>GDF15</sub>	
		R	p	R	p	R	p	R	p	R	p	R	p
AUC <sub>Hunger</sub>	All meals	0.112	ns	-0.035	ns	-0.222	ns	-0.224	ns	-0.188	ns	0.385	ns
	Placebo	-0.457	ns	0.181	ns	0.786	0.021	0.181	ns	-0.024	ns	0.356	ns
AUC <sub>Satiety</sub>	All meals	-0.224	ns	-0.024	ns	0.062	ns	0.167	ns	0.093	ns	-0.488	ns
	Placebo	0.260	ns	-0.227	ns	-0.214	ns	-0.127	ns	0.066	ns	-0.511	ns

Data were tested for normality by Shapiro-Wilk tests. Correlation coefficients were calculated using Pearson's correlation coefficient or Spearman's rank correlation coefficient for parametric or nonparametric data, respectively.