

Supplementary Table 5. The correlation between neural activation (β -value) and serum FGF21 in all participants

Contrast	Neural responses	FGF21 ^a			
		Unadjusted		Adjusted for age and sex	
		<i>r</i>	<i>P</i> value	<i>r</i>	<i>P</i> value
HCS > Non-food	HPC_R	0.21	0.338	0.19	0.432
	HPC_L	0.33	0.136	0.33	0.155
	OFC_R	0.37	0.095	0.34	0.138
	Putamen_L	0.39	0.076	0.38	0.098
	ACC_R	0.37	0.092	0.36	0.124
	Thalamus_L	0.19	0.404	0.19	0.425
	ACC_R	0.53	0.012	0.53	0.016
HCS > LC	Putamen_R	0.17	0.459	0.14	0.561
HCS > HNS	ParaHippocampal_R	0.56	0.007	0.57	0.009
	HPC_L	0.49	0.022	0.49	0.028
	HPC_R	0.51	0.016	0.50	0.024
	ACC_L	0.58	0.005	0.57	0.009
	Insula_R	0.52	0.014	0.52	0.019

FGF21, fibroblast growth factor 21; HCS, high-calorie sweet; HPC, hippocampus; R, right; L, left; OFC, orbitofrontal cortex; ACC, anterior cingulate cortex; LC, low-calorie; HNS, high-calorie non-sweet.

^aLog_e-transformed before analysis.