

**Supplementary Table 3.** Differences in brain activation within T1DM according to variations of metabolic control: correlation analysis

Anatomical region	BA	H	Talairach (peak voxels)			<i>r</i>	<i>P</i> value
			x	y	z		
First balloon slope impaired metabolic control		-					
Gyrus rectus, inferior frontal gyrus	11, 47, 45		36	53	13	0.76	0.000024
Middle frontal gyrus	10, 9, 46						
ACC, subgenual	32, 25						
Insula, thalamus, caudate	13, 50, 49						
Last balloon slope impaired metabolic control		-					
Anterior cingulate cortex, subgenual	32, 25		0	11	4	0.63	0.0011
Nucleus accumbens, caudate putamen, insula	52, 49 48, 13		-9	8	16	0.64	0.00081

T1DM, type 1 diabetes mellitus; BA, brain area; H, head; ACC, anterior cingulate cortex.