

Supplementary Table 3. Indices on insulin resistance and secretion at baseline and week 16

Index	Met+Sita	Met+Sita+Acarb	P value
HOMA-IR			
Baseline	3.49±0.48	4.74±1.05	0.605
Week 16	5.15±0.85 ^a	3.54±0.47	0.121
HOMA-β			
Baseline	37.67±4.55	63.41±9.63	0.033
Week 16	51.38±9.66	73.77±8.47	0.036
Insulinogenic index			
Baseline	3.17±0.99	1.64±1.36	0.436
Week 16	2.99±1.10	3.96±1.17	0.665

Values are presented as mean ± standard error.

Met+Sita, the group treated with metformin, sitagliptin, and acarbose placebo; Met+Sita+Acarb, the group treated with metformin, sitagliptin, and acarbose; HOMA-IR, homeostasis model assessment of insulin resistance; HOMA-β, homeostasis model assessment of β-cell function.

^aChanges of $P < 0.05$ at week 16 compared to baseline.