

Supplementary Material

Energy Substrate Transporters In High-Grade Ovarian Cancer - Gene Expression And Clinical Implications

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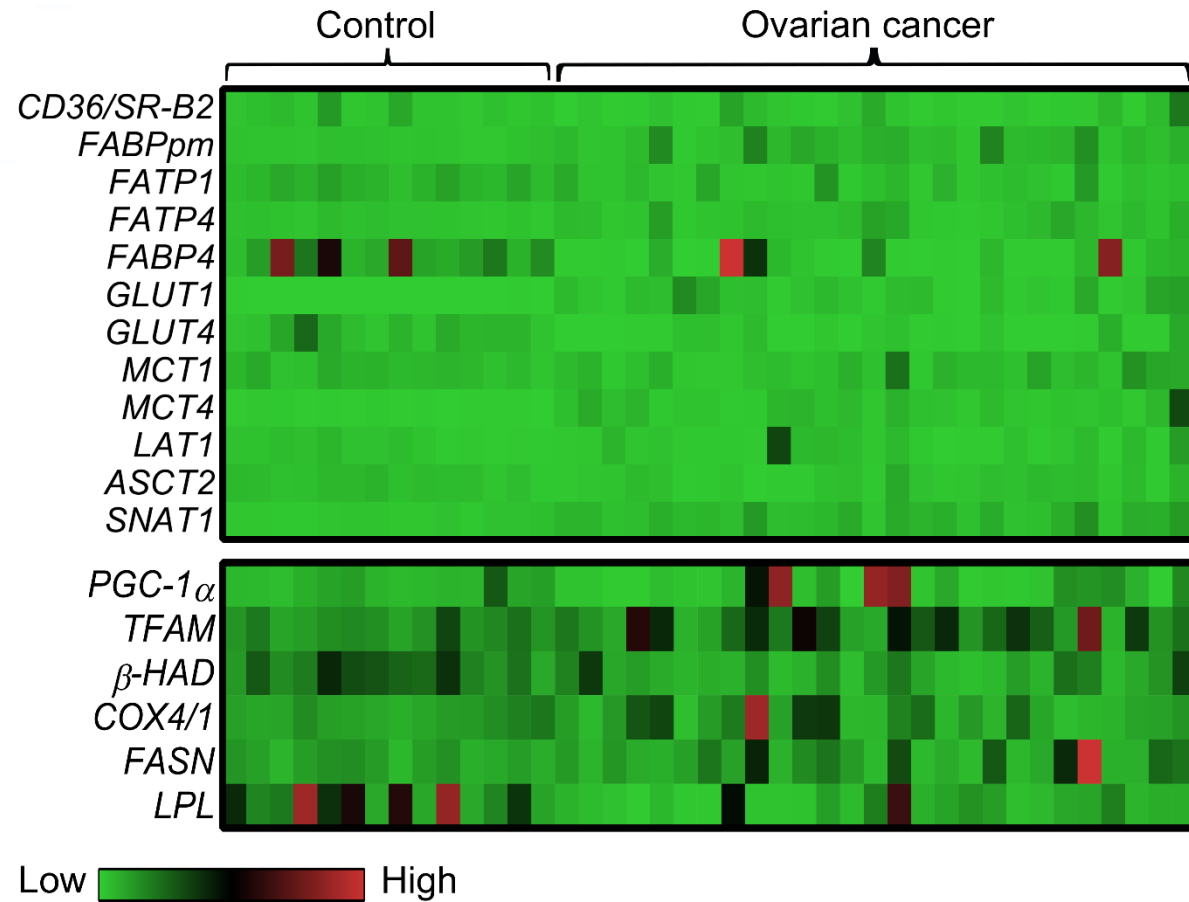


Figure S1. Heat map of relative gene expressions in control and ovarian cancer tissue.

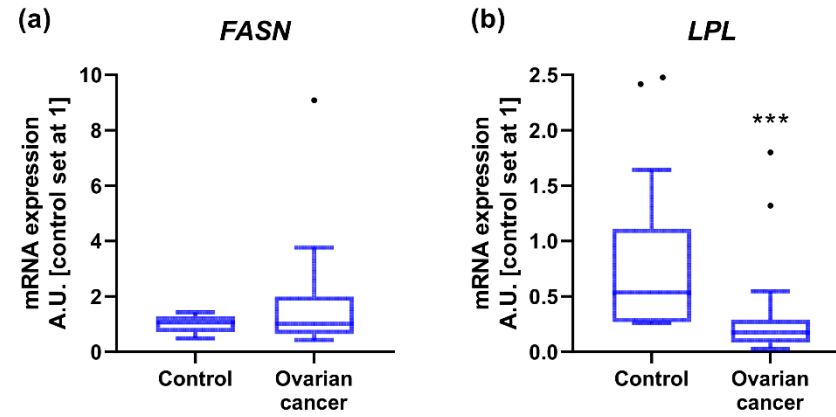


Figure S2. Transcript levels of (a) fatty acid synthase and (b) lipoprotein lipase in ovarian control (n=14) and cancer tissue (n=27). The measurements were made in duplicate, and the arithmetic means were used for subsequent investigation. The results are expressed in arbitrary units with control set as 1 and presented as median (min to max) value. *** $p < 0.001$.

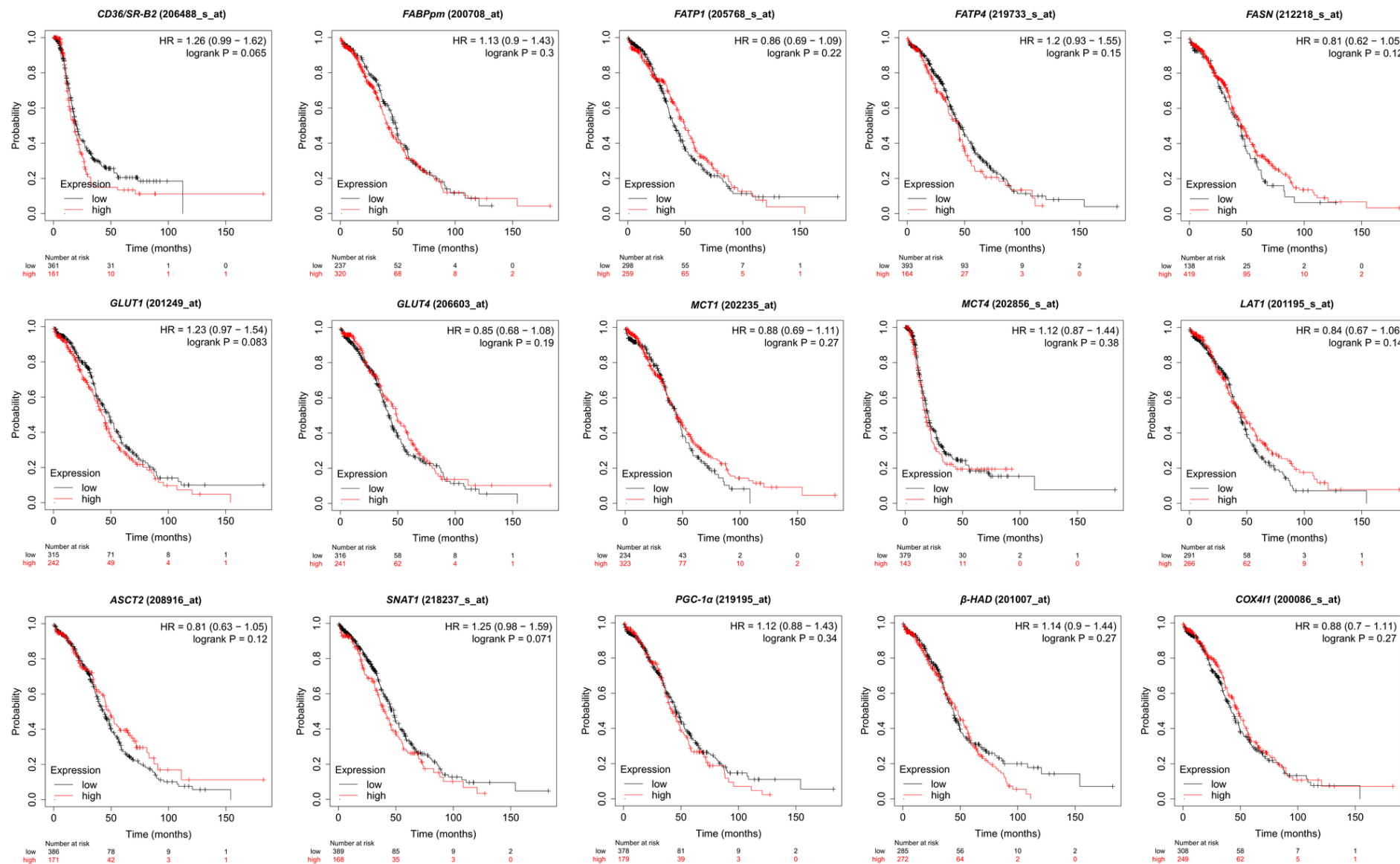


Figure S3. Kaplan-Meier curve analysis of overall survival comparing high and low levels of the metabolism-associated genes.

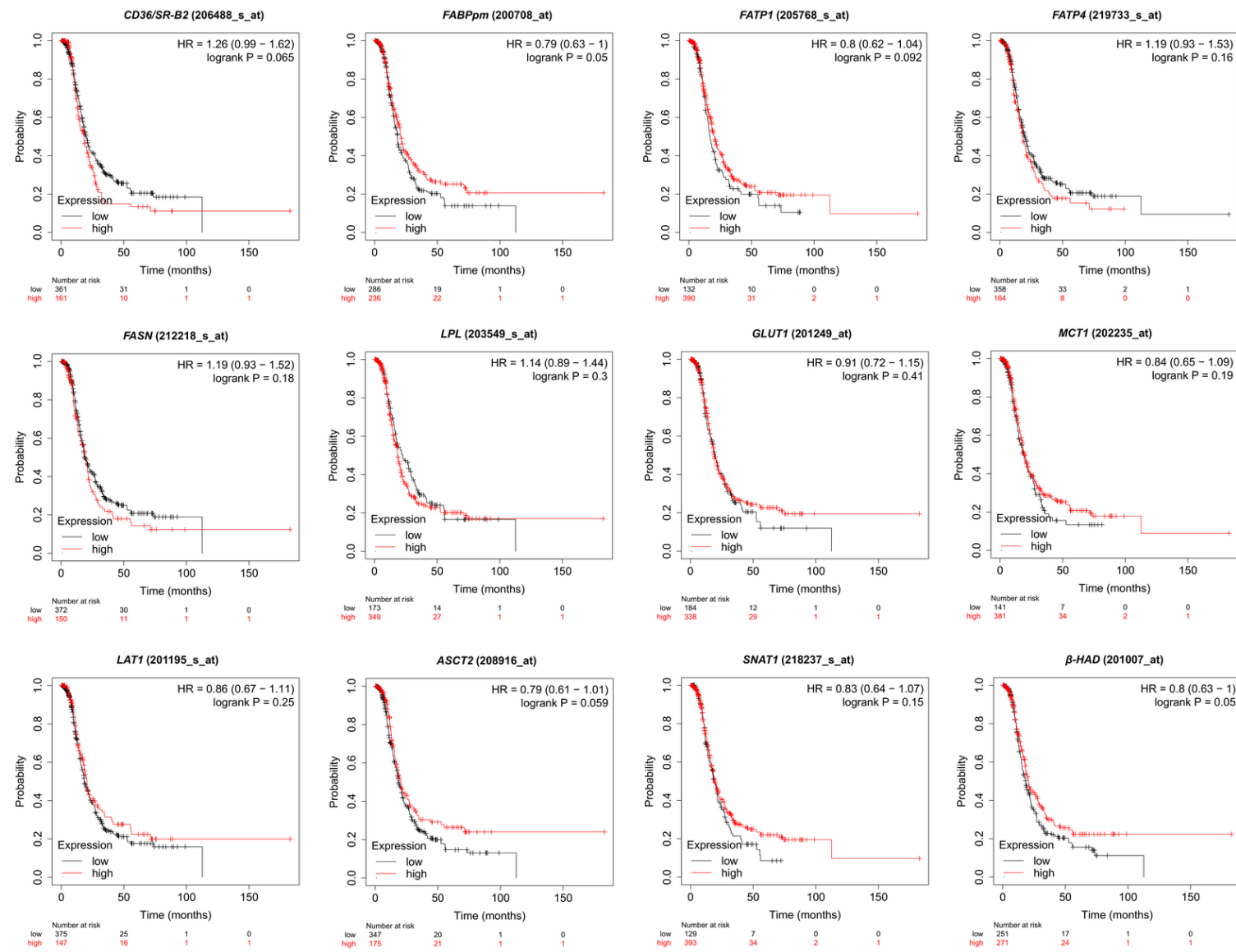


Figure S4. Kaplan-Meier curve analysis of progression-free survival comparing high and low levels of the metabolism-associated genes.

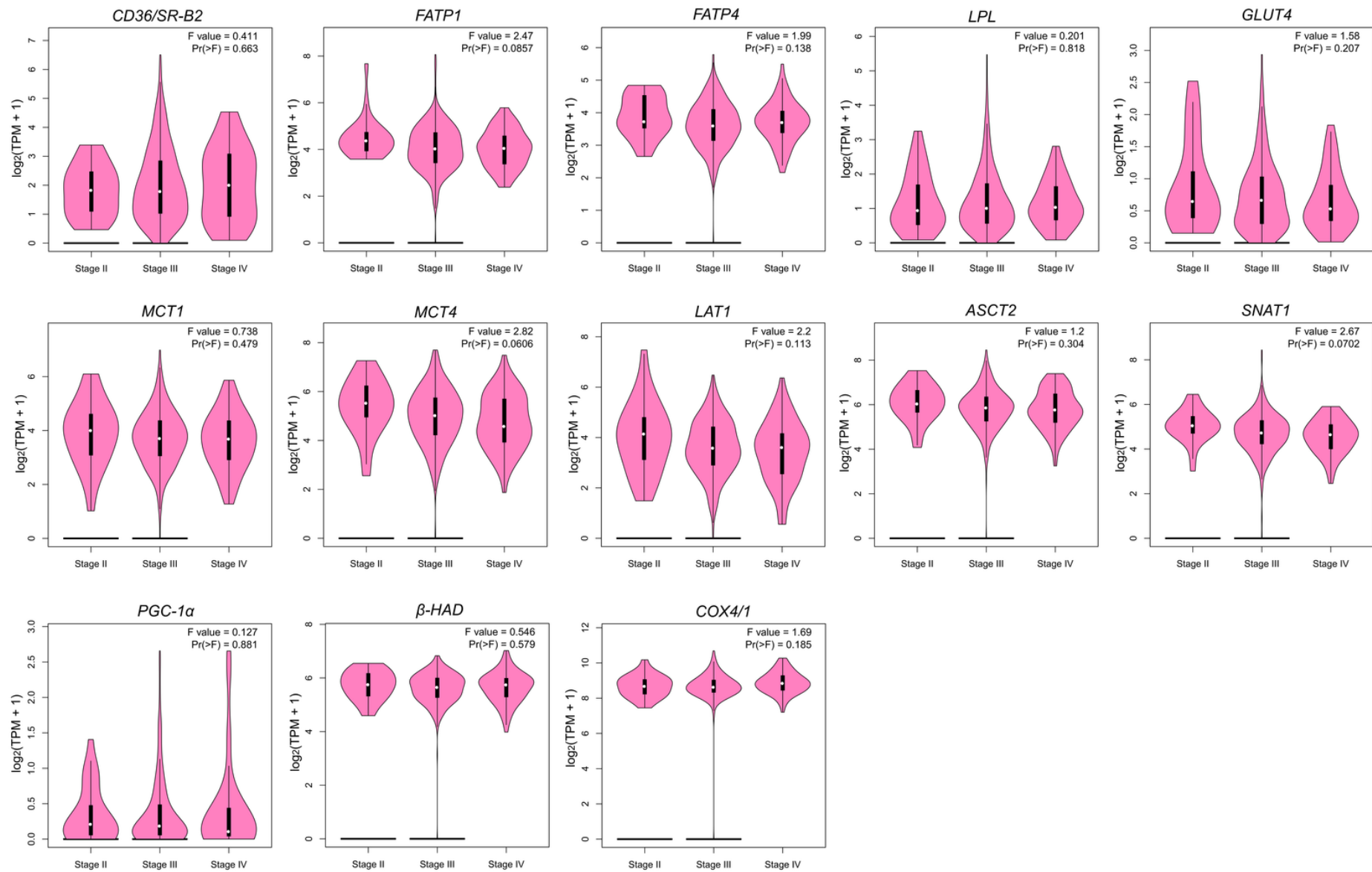


Figure S5. The violin plots depicting the correlations of metabolism-related genes with clinical stage.

Table S1. Correlations between the expression of energy substrate transporters and mitochondrial genes with BMI, plasma glucose concentration and tumor volume in ovarian cancer tissue. The relationships between the analysed parameters were assayed with Spearman correlation coefficient.

Gene	BMI		Plasma glucose level		Tumor volume	
	r	p	r	p	r	p
<i>CD36/SR-B2</i>	-0.0519	0.797	-0.3789	0.121	0.1374	0.494
<i>FABPpm</i>	0.4542	0.017	-0.3758	0.124	0.033	0.87
<i>FATP1</i>	0.0684	0.735	0.1915	0.446	0.3267	0.096
<i>FATP4</i>	0.2381	0.232	-0.2174	0.386	0.178	0.374
<i>FABP4</i>	0.235	0.238	-0.4451	0.064	-0.1197	0.552
<i>GLUT1</i>	-0.0226	0.911	0.5559	0.017	0.1206	0.549
<i>GLUT4</i>	0.3333	0.089	0.3509	0.153	0.1777	0.375
<i>MCT1</i>	0.0122	0.952	-0.1542	0.541	0.2553	0.199
<i>MCT4</i>	-0.2349	0.248	-0.1201	0.635	0.3084	0.125
<i>LAT1</i>	-0.0232	0.909	-0.4089	0.092	0.4238	0.028
<i>ASCT2</i>	0.0232	0.909	0.2039	0.417	0.2602	0.19
<i>SNAT1</i>	0.2418	0.224	-0.028	0.912	0.1423	0.479
<i>PGC-1α</i>	0.3767	0.053	-0.1864	0.459	0.2769	0.162
<i>TFAM</i>	0.0714	0.723	0.1128	0.656	0.0394	0.845
<i>β-HAD</i>	-0.0665	0.742	0.1491	0.555	0.1292	0.521
<i>COX4/1</i>	0.1558	0.438	-0.1097	0.665	-0.0293	0.885
<i>FASN</i>	0.1893	0.344	0.0714	0.778	-0.1047	0.603
<i>LPL</i>	0.1838	0.359	-0.1046	0.679	-0.1035	0.607