

SUPPLEMENTARY TABLE S2. ENRICHMENT ANALYSIS OF GENES DIFFERENTIALLY EXPRESSED BETWEEN PRIMED ADIPOSE PROGENITOR CELLS (PADS) AND AD-PADS

	<i>GO:biological process ID</i>	<i>Name</i>	<i>p-value</i>	<i>q-value Bonferroni</i>	<i>Hit count in query list</i>	<i>Hit count in genome</i>
1	GO:0006629	Lipid metabolic process	1.17E-19	4.29E-16	61	1377
2	GO:0044255	Cellular lipid metabolic process	1.72E-18	6.33E-15	52	1064
3	GO:0032787	Monocarboxylic acid metabolic process	3.23E-15	1.19E-11	36	617
4	GO:0006631	Fatty acid metabolic process	1.15E-13	4.21E-10	27	379
5	GO:0006641	Triglyceride metabolic process	8.26E-12	3.04E-08	15	115
6	GO:0006639	Acylglycerol metabolic process	3.97E-11	1.46E-07	15	128
7	GO:0006638	Neutral lipid metabolic process	4.45E-11	1.63E-07	15	129
8	GO:0019752	Carboxylic acid metabolic process	7.24E-11	2.66E-07	39	1003
9	GO:0008610	Lipid biosynthetic process	1.12E-10	4.11E-07	31	667
10	GO:0006066	Alcohol metabolic process	1.58E-10	5.80E-07	24	408
11	GO:0043436	Oxoacid metabolic process	4.27E-10	1.57E-06	40	1114
12	GO:0019216	Regulation of lipid metabolic process	4.83E-10	1.77E-06	21	327
13	GO:0006082	Organic acid metabolic process	6.65E-10	2.44E-06	40	1131
14	GO:0048878	Chemical homeostasis	7.56E-10	2.78E-06	40	1136
15	GO:0016042	Lipid catabolic process	7.91E-10	2.91E-06	20	303
16	GO:1901700	Response to oxygen-containing compound	1.05E-09	3.86E-06	49	1614
17	GO:1901615	Organic hydroxy compound metabolic process	1.47E-09	5.41E-06	27	573
18	GO:0019217	Regulation of fatty acid metabolic process	1.98E-09	7.28E-06	12	97
19	GO:0010876	Lipid localization	2.60E-09	9.54E-06	21	359
20	GO:0044283	Small molecule biosynthetic process	6.40E-09	2.35E-05	26	572
21	GO:0009611	Response to wounding	1.77E-08	6.50E-05	34	967
22	GO:0055114	Oxidation-reduction process	3.64E-08	1.34E-04	34	996
23	GO:0055088	Lipid homeostasis	4.75E-08	1.75E-04	12	128
24	GO:0019433	Triglyceride catabolic process	6.82E-08	2.51E-04	7	31
25	GO:0008203	Cholesterol metabolic process	7.92E-08	2.91E-04	12	134
26	GO:0006720	Isoprenoid metabolic process	7.92E-08	2.91E-04	12	134
27	GO:0046320	Regulation of fatty acid oxidation	8.64E-08	3.18E-04	7	32
28	GO:0042180	Cellular ketone metabolic process	8.86E-08	3.26E-04	16	256
29	GO:0046486	Glycerolipid metabolic process	1.14E-07	4.18E-04	20	407
30	GO:0055081	Anion homeostasis	1.14E-07	4.19E-04	8	49
31	GO:1902652	Secondary alcohol metabolic process	1.19E-07	4.37E-04	12	139
32	GO:0051186	Cofactor metabolic process	1.23E-07	4.52E-04	20	409
33	GO:0006732	Coenzyme metabolic process	1.23E-07	4.53E-04	18	333
34	GO:0044242	Cellular lipid catabolic process	1.28E-07	4.71E-04	14	198
35	GO:0070542	Response to fatty acid	1.42E-07	5.23E-04	10	91
36	GO:0016125	Sterol metabolic process	2.20E-07	8.08E-04	12	147
37	GO:0046461	Neutral lipid catabolic process	2.51E-07	9.23E-04	7	37
38	GO:0046464	Acylglycerol catabolic process	2.51E-07	9.23E-04	7	37
39	GO:0009743	Response to carbohydrate	2.52E-07	9.27E-04	15	242
40	GO:0006637	Acyl-CoA metabolic process	2.88E-07	1.06E-03	10	98
41	GO:0035383	Thioester metabolic process	2.88E-07	1.06E-03	10	98
42	GO:0045834	Positive regulation of lipid metabolic process	3.16E-07	1.16E-03	12	152
43	GO:0019395	Fatty acid oxidation	3.18E-07	1.17E-03	10	99
44	GO:0034440	Lipid oxidation	3.83E-07	1.41E-03	10	101
45	GO:0001944	Vasculature development	6.71E-07	2.47E-03	25	677
46	GO:0071616	Acyl-CoA biosynthetic process	7.48E-07	2.75E-03	8	62
47	GO:0035384	Thioester biosynthetic process	7.48E-07	2.75E-03	8	62
48	GO:0048514	Blood vessel morphogenesis	9.12E-07	3.35E-03	22	551
49	GO:0042592	Homeostatic process	9.81E-07	3.61E-03	45	1767

GO, gene ontology.