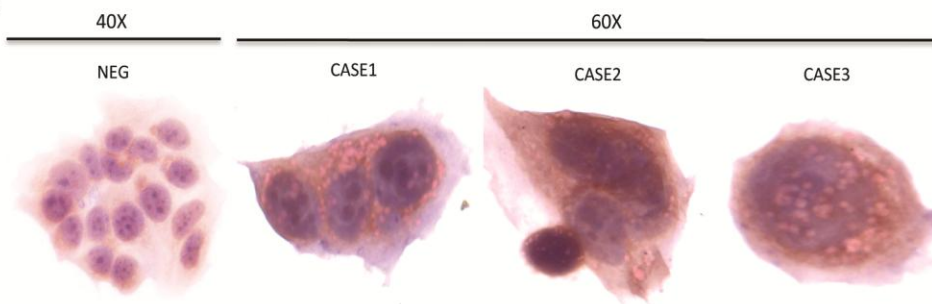


A



C

Pathway name	Entities				Reactions	
	found	ratio	p-value	FDR*	found	ratio
Metabolism	126 / 3,646	0.255	1.11e-16	9.90e-14	246 / 2,260	0.166
The citric acid (TCA) cycle and respiratory electron transport	26 / 238	0.017	2.76e-13	1.23e-10	35 / 67	0.005
PPARA activates gene expression	20 / 175	0.012	7.90e-11	2.14e-08	10 / 41	0.003
Regulation of lipid metabolism by PPARalpha	20 / 177	0.012	9.61e-11	2.14e-08	10 / 44	0.003
Metabolism of lipids	60 / 1,444	0.101	2.75e-10	4.89e-08	113 / 954	0.07
Respiratory electron transport, ATP synthesis by chemiosmotic coupling, and heat production by uncoupling proteins.	17 / 153	0.011	3.26e-09	4.82e-07	21 / 31	0.002
Respiratory electron transport	15 / 118	0.008	4.83e-09	6.13e-07	14 / 19	0.001
Transcriptional regulation of white adipocyte differentiation	14 / 109	0.008	1.40e-08	1.48e-06	14 / 18	0.001
Protein localization	17 / 170	0.012	1.50e-08	1.48e-06	34 / 53	0.004
Citric acid cycle (TCA cycle)	9 / 50	0.004	3.62e-07	3.22e-05	10 / 17	0.001
Peroxisomal protein import	10 / 67	0.005	4.41e-07	3.57e-05	22 / 26	0.002
Pyruvate metabolism and Citric Acid (TCA) cycle	11 / 100	0.007	2.23e-06	1.65e-04	14 / 36	0.003
FOXO-mediated transcription	11 / 110	0.008	5.46e-06	3.71e-04	11 / 85	0.006
Fatty acid metabolism	22 / 431	0.03	1.06e-05	6.68e-04	55 / 217	0.016
Mitochondrial Fatty Acid Beta-Oxidation	9 / 105	0.007	1.25e-04	0.007	32 / 47	0.003
Mitochondrial protein import	7 / 69	0.005	2.60e-04	0.014	9 / 14	0.001
Beta oxidation of hexanoyl-CoA to butanoyl-CoA	4 / 18	0.001	3.24e-04	0.015	4 / 4	2.95e-04
Beta oxidation of lauroyl-CoA to decanoyl-CoA-CoA	4 / 18	0.001	3.24e-04	0.015	4 / 4	2.95e-04
Beta oxidation of octanoyl-CoA to hexanoyl-CoA	4 / 18	0.001	3.24e-04	0.015	4 / 4	2.95e-04
mitochondrial fatty acid beta-oxidation of saturated fatty acids	6 / 53	0.004	4.04e-04	0.018	26 / 29	0.002
TYSND1 cleaves peroxisomal proteins	3 / 8	5.61e-04	4.18e-04	0.018	3 / 7	5.16e-04
Beta oxidation of decanoyl-CoA to octanoyl-CoA-CoA	4 / 21	0.001	5.75e-04	0.022	4 / 5	3.68e-04
mitochondrial fatty acid beta-oxidation of unsaturated fatty acids	4 / 21	0.001	5.75e-04	0.022	4 / 6	4.42e-04

B

