

Table S4

Probe ID	Symbol	Definition	p -value (PSDCKO/Wt)	GFoldChange (PSDCKO/Wt)	Log(ratio) (PSDCKO/Wt)
6290093	Alox12	arachidonate 12-lipoxygenase (Alox12).	0.000001	-19.03	-1.279
4150397	Asah3	N-acylsphingosine amidohydrolase (alkaline ceramidase) 3 (Asah3).	0.000001	-6.96	-0.843
2060064	Alox12e	arachidonate lipoxygenase, epidermal (Alox12e).	0.000176	-5.75	-0.760
3170427	Adh1	alcohol dehydrogenase 1 (class I) (Adh1).	0.001750	-3.37	-0.528
5340746	Elovl6	ELOVL family member 6, elongation of long chain fatty acids (yeast) (Elovl6).	0.001571	-2.93	-0.467
2360309	Liph	lipase, member H (Liph).	0.001263	-2.55	-0.407
2630372	Aloxe3	arachidonate lipoxygenase 3 (Aloxe3).	0.001286	-2.32	-0.365
101510348	Alox12	arachidonate 12-lipoxygenase (Alox12).	0.000002	-2.21	-0.345
2690050	Liph	lipase, member H (Liph).	0.009203	-2.19	-0.341
2680441	Scd1	stearoyl-Coenzyme A desaturase 1 (Scd1)	0.017313	-2.19	-0.340
4760138	Elovl1	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1 (Elovl1).	0.005893	-2.03	-0.308
105360215	Lipl3	lipase-like, ab-hydrolase domain containing 3	0.000253	-1.91	-0.280
3930707	Sgpp1	sphingosine-1-phosphate phosphatase 1 (Sgpp1).	0.000093	-1.85	-0.267
730193	Ptgs1	prostaglandin-endoperoxide synthase 1 (Ptgs1).	0.003103	-1.63	-0.213
6450195	Ptgs1	prostaglandin-endoperoxide synthase 1 (Ptgs1).	0.001999	-1.46	-0.164
1780273	Ptgs1	prostaglandin-endoperoxide synthase 1 (Ptgs1).	0.021620	-1.43	-0.155
1410309	Smpd1	sphingomyelin phosphodiesterase 1, acid lysosomal (Smpd1).	0.111435	-1.39	-0.142
5220333	Elovl4	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 4 (Elovl4).	0.625118	-1.07	-0.028
6590059	Lipl2	lipase-like, ab-hydrolase domain containing 2	0.814034	-1.06	-0.027
6860050	Elovl3	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 3 (Elovl3).	0.827319	-1.05	-0.022
2450019	Elovl1	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1 (Elovl1).	0.899655	-1.03	-0.012
70458	Lipl2	lipase-like, ab-hydrolase domain containing 2	0.629916	-1.03	-0.012
2370358	Tslpr	thymic stromal-derived lymphopoietin, receptor (Tslpr).	0.831755	-1.01	-0.004
1990500	Tslp	thymic stromal lymphopoietin (Tslp).	0.980370	1.00	0.001
5550717	Smpd1	sphingomyelin phosphodiesterase 1, acid lysosomal (Smpd1).	0.841169	1.04	0.017
106200484	Elovl3	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 3 (Elovl3).	0.191433	1.06	0.025
4810181	Sult2b1	sulfotransferase family, cytosolic, 2B, member 1 (Sult2b1).	0.713639	1.07	0.028
520164	Smpd3	sphingomyelin phosphodiesterase 3, neutral (Smpd3).	0.491531	1.16	0.063
3360484	Sult2b1	sulfotransferase family, cytosolic, 2B, member 1 (Sult2b1).	0.124677	1.50	0.177
730408	Tslp	thymic stromal lymphopoietin (Tslp).	0.000116	19.79	1.296