

Table 1. Suggested components related to lipid metabolism the levels of which were altered in the kidney of male SelenBP1-KO mice by metabolomics analysis.

Representative components altered in mice		
sample	increased	decreased
SelenBP1(-) vs Control	dihydrolipoic acid leukotriene F4 24,25-dihydrolanosterol 7-dehydrodesmosterol stearic acid 5-hydroxyeicosatetraenoate (5-HETE) 14-demethyllanosterol 6-phosphogluconate	glycerol

Table 2. Suggested genes related to lipid/glucose metabolism significantly altered with ablation of SelenBP1 by DNA microarray analysis

	Name	Gene ID	Compare ratio	p-value
1	Rxra (retinoid X receptor alpha)	20181	0.8725	0.0261
2	Acox3 (acyl-Coenzyme A oxidase 3)	80911	0.68757	0.0017164
3	Cyp4a12a (cytochrome P450, family 4)	277753	0.68427	0.0041714
4	Cyp4a12b (cytochrome P450, family 4)	13118	0.672077	0.0028868
5	Ppara (peroxisome proliferator activated receptor alpha)	19013	0.7916100	0.0297249
6	Ppargc1b (peroxisome proliferative activated receptor, gamma, coactivator 1 beta)	170826	0.8364149	0.0484654
7	Cpt1a (carnitine palmitoyltransferase 1a)	12894	0.8344791	0.0194162
8	Cyp2e1 (cytochrome P450, family 2, subfamily e, polypeptide 1)	13106	0.882645	0.0488087
9	Gaa (ghicosidase alpha acid)	14387	0.870268	0.0426002
10	Aldh1 (aldehyde dehydrogenase family memberL1)	11668	0.830848	0.0110502
11	Ugdh (UDP-glucose dehydrogenase)	22235	0.867748	0.0207933
12	Coll1a1 (collagen, type I, alpha 1)	12842	1.414523	0.0218683
13	Smad7 (SMAD family member 7)	17131	1.22185	0.0440784
14	Tgfb1 (transforming growth factor, beta induced)	21803	1.35631	0.0209684
15	Lpcat2 (lysophosphosphatidylcholine acyltransferase2)	270084	1.23989	0.0422784
16	Dkk2 (dickkopf homolog2)	56811	1.33725	0.0048169
17	Bpifa1 (BPI fold containing family A member1)	18843	1.18980	0.0452636
18	Fabp6 (fatty acid binding protein 6)	16204	2.235640	0.0420044