

Table S1. Effects of sulfuretin in HFD-fed obese mice on serum lipid levels.

Plasma concentrations of total cholesterol, triglycerides (TG), alanine aminotransferase (ALT), and aspartate transaminase (AST) in C57BL/6 mice fed with HFD were administered a daily dose of sulfuretin at 10 mg/kg. HFD (n = 5) or HFD+ sulfuretin (HFD + sulfuretin 10 mg/kg, n=5). Data represent means \pm s.e.m. Statistical significance was determined relative to a control by a Student's t-test (* p<0.05).

Table S2. Lists of sulfuretin-regulated genes.

Genes identified from the microarray analysis that were induced 1.8-fold or greater by sulfuretin were selected. Highlighted genes are known Nrf2 target genes.

	AST (U/L)	ALT (U/L)	TG (mg/dl)	CHOL (mg/dl)	LDL (mg/dl)	HDL (mg/dl)	Insulin (ng/ml)	Glucose (mg/dl)
HFD	289 ± 66 [#]	10 ± 1.8 [#]	114 ± 6.5 [*]	151 ± 20 [*]	19 ± 3.6	57 ± 4.3	7.76 ± 1.8	241.57 [*] ± 58.1
HFD+ Sulfuretin	147 ± 11	6 ± 0.8	87 ± 5.8	93 ± 7	15 ± 0.8	51 ± 5.1	7.64 ± 0.3	200.7 ± 22.4

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Genes identified from the microarray analysis that were induced 1.8-fold or greater by sulfuretin were selected. Highlighted genes are known Nrf2 target genes.

No.	Gene Symbol	Fold change	No.	Gene Symbol	Fold change	No.	Gene Symbol	Fold change
1	Hmox1	13.8	24	Smyd4	2.2	47	Jun	1.9
2	Srxn1	6.8	25	Cxcl1	2.2	48	Ero1l	1.9
3	Slc40a1	6.7	26	Mafg	2.2	49	Zfp655	1.9
4	Gclm	5.3	27	Slc3a2	2.1	50	Net1	1.9
5	Ak4	4.3	28	BC022687	2.1	51	Tmem55a	1.9
6	Gclc	4.2	29	Pvr	2.1	52	Ccdc117	1.9
7	Osgin1	3.9	30	Pgd	2.1	53	Zcchc2	1.9
8	Slc2a1	3.5	31	Bach1	2.1	54	Cpeb4	1.9
9	Cxcl5	3.2	32	1810013L24Rik	2.1	55	Kitl	1.9
10	Txnrd1	2.7	33	Clcn3	2.1	56	Ints12	1.9
11	Slc4a4	2.7	34	Hk2	2.1	57	Ube2o	1.9
12	Maff	2.6	35	Abcc4	2.0	58	Aox1	1.9
13	Slc48a1	2.6	36	Dusp10	2.0	59	Hsf2	1.9
14	Cbr3	2.5	37	Mat2a	2.0	60	Gja1	1.8
15	Lcor	2.5	38	Abcc1	2.0	61	Rora	1.8
16	Nqo1	2.5	39	Mllt11	2.0	62	Mat2a	1.8
17	A130040M12Rik	2.4	40	Adh7	2.0	63	Tmem140	1.8
18	Ly96	2.4	41	Dnajb4	2.0	64	Clcf1	1.8
19	Ero1l	2.4	42	Gpr137b	2.0	65	Atf3	1.8
20	Sqstm1	2.3	43	Irgm2	2.0	66	Preb	1.8
21	1810013L24Rik	2.3	44	Sgms1	1.9	67	Gsr	1.8
22	Sgms2	2.3	45	Gm3776	1.9			
23	Tshz1	2.2	46	Zfp770	1.9			