

Supplementary Table 1

Fold changes in gene expression signal in liver between different pairs of mouse lines, where at least for one pair of lines the changes were > 2 fold and $p < 0.05$, unless otherwise noted with an asterix (* $p > 0.05$). Increased or decreased gene expression is shown as positive or negative values, respectively, e.g., 3 means a 3-fold higher expression, -3 means a 3-fold lower expression. Note that both 1 and -1 would indicate no change, and that values between 1 and -1 are non-existent.

Category	Gene	Oatp1a/1b KO vs WT	hOATP1B1 vs WT	hOATP1B3 vs WT	hOATP1B1 vs Oatp1a/1b KO	hOATP1B3 vs Oatp1a/1b KO	hOATP1B1 vs hOATP1B3
Other	0610012H03Rik	1.75	2.07	2.20	1.18	1.26	-1.06
Other	1200016B10Rik	1.01	1.54	2.01	1.53	1.99	-1.30
Other	1810009N02Rik	-2.01	-1.61	-1.05	1.24	1.90	-1.53
Other	1810011O10Rik	1.19	1.99	2.10	1.67	1.76	-1.05
Other	2810474O19Rik	2.46	1.90	2.14	-1.29	-1.15	-1.13
Other	2810474O19Rik	2.29	1.78	2.01	-1.28	-1.14	-1.13
Other	2810474O19Rik	2.05	1.68	1.67	-1.22	-1.23	1.00
Other	4833418N02Rik	-1.47	-1.70	-2.12	-1.16	-1.44	1.24
Other	4833442J19Rik	1.31	1.92	2.19	1.46	1.67	-1.14
Other	4933437F05Rik	1.43	1.77	2.81	1.23	1.96	-1.59
Other	A930033H14Rik	1.57	2.66	2.22	1.69	1.42	1.19
Other	AB041803	1.20	1.53	2.28	1.28	1.90	-1.49
Transporter	Abcc9	-2.33	-2.28	-2.17	1.02	1.07	-1.05
Enzyme	Acot1	-3.07	-2.52	-2.63	1.22	1.17	1.04
Enzyme	Acot11	1.42	-1.43	-1.34	-2.04	-1.91	-1.07
Enzyme	Acss2	1.92	-1.02	-1.38	-1.97	-2.66	1.35
Enzyme	Adam11	-1.65	-2.37	-1.74	-1.44	-1.06	-1.36
Enzyme	Agxt2l1	-3.54	-4.33	-5.45	-1.22	-1.54	1.26
Other	Akap13	1.74	1.69	2.15	-1.03	1.23	-1.28
Enzyme	Alas1	2.22*	3.61	3.40	1.63	1.53	1.06
Other	Angptl4	-1.28	2.17	2.48	2.77	3.17	-1.14
Other	Ankrd12	1.46	2.04	2.11	1.39	1.44	-1.04
Enzyme	Apobec1	2.09	2.45	4.02	1.17	1.92	-1.64
Other	Arhgef26	1.29	2.14	3.19	1.66	2.47	-1.49
Transcription Regulator	Arid5b	1.34	1.63	2.82	1.22	2.10	-1.73

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Enzyme	Arl4d	1.50	2.14	3.19	1.43	2.13	-1.49
Enzyme	Arl5b	1.15	1.41	2.41	1.23	2.10	-1.71
Enzyme	Arl5b	-1.29	1.10	2.13	1.43	2.76	-1.93
Transcription Regulator	Arntl	-2.02	-3.28	-2.72	-1.62	-1.34	-1.21
Other	Arrdc3	-1.87	-1.96	-3.01	-1.05	-1.61	1.54
Other	Asap2	-1.62	-2.21	-1.70	-1.37	-1.05	-1.30
Transcription Regulator	Atf3	1.13	1.24	2.78	1.10	2.47	-2.24
Transporter	Atp6v0d2	2.23	1.74	2.62	-1.28	1.17	-1.51
Other	Axin2	-1.22	-2.25	-2.63	-1.85	-2.16	1.17
Enzyme	B3galt1	-1.37	1.23	1.73	1.69	2.37	-1.41
Other	Bag3	1.29	1.34	2.20	1.04	1.71	-1.64
Other	Bahcc1	1.21	-1.22	-1.68	-1.48	-2.03	1.38
Other	BC029214	-1.34	-2.08	-1.77	-1.56	-1.32	-1.18
Other	Bcl2l11	1.03	-1.04	1.92	-1.08	1.86	-2.00
Other	Bcl2l11	1.53	1.18	2.37	-1.30	1.54	-2.01
Transcription Regulator	Bcl6	-2.37	-4.23	-2.99	-1.78	-1.26	-1.41
Transcription Regulator	Bcl6	-2.10	-3.37	-2.47	-1.60	-1.18	-1.36
Other	Bcl9	1.09	-1.85	-2.51	-2.01	-2.72	1.35
Growth Factor	Bdnf	1.36	-1.07	-1.70	-1.46	-2.32	1.59
Other	Blnk	2.84	3.33	2.77	1.17	-1.03	1.20
Other	Btbd19	1.45	2.07	3.55	1.43	2.45	-1.71
Transcription Regulator	Btg2	1.11	1.01	2.47	-1.09	2.23	-2.44
Transcription Regulator	Btg2	-1.11	1.10	2.31	1.22	2.56	-2.11
Other	C430048L16Rik	1.23	1.96	2.19	1.59	1.78	-1.12
Ion Channel	Cacna1a	1.35	1.86	2.01	1.37	1.48	-1.08
Kinase	Camk4	2.03	1.36	1.57	-1.49	-1.29	-1.16
Transcription Regulator	Cbx4	1.02	-1.48	-2.18	-1.51	-2.23	1.48
Other	Ccdc117	1.24	1.87	2.50	1.51	2.01	-1.33
Other	Ccdc117	1.28	1.64	2.40	1.28	1.88	-1.47
Cytokine	Ccl2	1.02	1.15	3.36	1.13	3.30	-2.91
Transcription Regulator	Ccrn4l	4.11	4.18	4.24	1.02	1.03	-1.01
Transmembrane Receptor	Cd163	1.88	1.92	2.13	1.02	1.14	-1.11
Other	Cd207	1.80	2.23	2.44	1.24	1.36	-1.09

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Other	Cd209f	-1.97	-1.19	-2.21	1.65	-1.12	1.86
Other	Cd24a	-2.20	-2.11	-1.04	1.04	2.11	-2.03
Transmembrane Receptor	Cd83	-1.34	1.51	2.45	2.02	3.28	-1.62
Enzyme	Cda	-1.28	-1.67	-2.03	-1.31	-1.59	1.22
Other	Cdc20	-2.35	-1.82	-2.08	1.29	1.13	1.14
Transcription Regulator	Cebpd	1.25	1.65	2.36	1.32	1.90	-1.43
Transcription Regulator	Cebpd	1.15	1.52	2.27	1.33	1.97	-1.49
DME	Ces1c	-1.26	-2.04	-1.35	-1.62	-1.07	-1.51
DME	Ces1d	-2.13*	-364.25	-11.67*	-170.94	-5.47*	-31.22
DME	Ces1d	-3.18*	-75.06	-8.45	-23.60	-2.66*	-8.88*
DME	Ces1e	-2.47*	-106.73	-7.47*	-43.15	-3.02*	-14.28
Other	Chac1	1.49	2.45	3.15	1.65	2.11	-1.28
Transmembrane Receptor	Chrna4	2.92	2.37	2.41	-1.23	-1.21	-1.02
Enzyme	Chst13	-1.33	-1.93	-2.29	-1.45	-1.72	1.19
Other	Cib3	2.04	2.50	1.90	1.23	-1.07	1.31
Other	Cish	7.51	7.44	7.86	-1.01	1.05	-1.06
Transmembrane Receptor	Clec2h	-1.76	1.05	1.25	1.85	2.20	-1.19
Other	Coq10b	2.17	3.03	3.53	1.40	1.63	-1.16
Other	Coq10b	1.71	2.11	2.38	1.23	1.39	-1.13
Transcription Regulator	Crebl2	-2.39	-1.97	-2.43	1.21	-1.02	1.24
Transcription Regulator	Crem	1.09	1.45	2.08	1.33	1.90	-1.43
Enzyme	Cryl1	-1.17	-1.71	-2.10	-1.46	-1.79	1.23
Enzyme	Csad	-2.74	-2.89	-4.22	-1.06	-1.54	1.46
Transmembrane Receptor	Csf3r	3.12	3.11	1.30	-1.00	-2.41*	2.40*
Growth Factor	Ctgf	2.08	3.40	3.98	1.63	1.92	-1.17
Enzyme	Ctse	-1.82	-2.04	-2.19	-1.12	-1.20	1.07
Cytokine	Cxcl1	-1.09	-1.13	3.78	-1.04	4.10	-4.26
Cytokine	Cxcl1	-1.07	-1.10	3.01	-1.03	3.22	-3.32
Cytokine	Cxcl13	-2.57	-2.29	-2.02	1.12	1.27	-1.13
Receptor	Cxcr4	2.09	2.35	4.59	1.12	2.19	-1.96
DME	Cyp2b9	-4.41	-4.24	-4.46	1.04	-1.01	1.05
DME	Cyp4a10	-3.65	-2.66	-2.49	1.37	1.47	-1.07
DME	Cyp4a14	-6.82	-7.34	-6.54	-1.08	1.04	-1.12
Other	D0H4S114	1.52	2.64	2.52	1.74	1.66	1.05

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Other	D4Bwg0951e	1.30	1.81	2.42	1.39	1.87	-1.34
Other	Dclre1a	1.81	2.25	1.84	1.24	1.01	1.23
Enzyme	Dct	2.13	1.97	1.97	-1.08	-1.08	1.00
Enzyme	Ddc	-1.36	-1.83	-2.41	-1.34	-1.77	1.31
Other	Ddit4	1.27	1.47	2.55	1.15	2.01	-1.74
Other	Dedd2	1.16	1.48	2.07	1.28	1.78	-1.39
Enzyme	Dio1	-3.32	-4.66	-5.00	-1.40	-1.51	1.07
Transmembrane Receptor	Dmbt1	-15.30	-9.43	-5.02*	1.62	3.05*	-1.88
Other	Dnaja4	1.33	1.48	2.89	1.12	2.18	-1.95
Other	Dnaja4	1.35	1.49	2.31	1.10	1.71	-1.55
Other	Dnajb1	1.14	1.64	4.29	1.44	3.77	-2.62
Other	Dnajb1	1.53	1.94	4.52	1.27	2.96	-2.34
Other	Dnajb4	1.20	1.45	2.17	1.20	1.81	-1.50
Other	Dnajb4	1.23	1.52	2.12	1.24	1.72	-1.40
Other	Dnajc1	1.13	-15.96	1.12	-18.07	-1.01	-17.88
Other	Dnajc1	1.24	-6.33	1.16	-7.84	-1.06	-7.37
Other	Dnajc1	1.10	-2.86	1.22	-3.15	1.11	-3.49
Enzyme	Dnase2a	-1.86	-1.92	-2.73	-1.03	-1.47	1.42
Enzyme	Dntt	3.48	3.81	3.27	1.09	-1.06	1.17
Enzyme	Dusp5	-1.17	-1.34	1.83	-1.15	2.13	-2.45
Enzyme	Dusp6	-1.37	-1.16	1.59	1.18	2.18	-1.85
Other	Ect2	-2.03*	1.17	1.71	2.38*	3.48	-1.46
Transcription Regulator	Egr1	-4.62	-4.02	1.20	1.15	5.54	-4.82
Transcription Regulator	Egr2	-1.01	1.01	2.33	1.02	2.35	-2.31
Other	Eif4e3	1.79	1.99	2.04	1.11	1.14	-1.03
Other	Eif4ebp3	1.17	2.07	2.69	1.77	2.30	-1.30
Enzyme	Elovl3	-2.27	-2.99	-3.48	-1.32	-1.54	1.16
Other	Erdr1	-2.50	-2.52	-1.90	-1.01	1.32	-1.33
Other	Errfi1	2.55	2.62	3.19	1.03	1.25	-1.22
Other	Evc	2.22	1.49	1.92	-1.49	-1.15	-1.29
Transporter	Fabp5	2.01	2.43	2.14	1.21	1.07	1.13
Other	Fam13a	1.20	1.23	2.13	1.02	1.77	-1.73
Other	Fam46c	1.08	1.16	2.15	1.07	1.99	-1.86
Other	Fam89a	-2.18	-2.24	-2.90	-1.03	-1.33	1.29
Kinase	Fgfr1	2.07	2.16	2.01	1.05	-1.03	1.08
Enzyme	Fkbp5	-1.10	1.36	2.26	1.50	2.49	-1.66
DME	Fmo2	1.54	2.69	4.02	1.74	2.60	-1.49
DME	Fmo2	1.54	2.74	3.62	1.78	2.35	-1.32
DME	Fmo2	1.49	2.25	3.57	1.51	2.39	-1.59

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DME	Fmo2	1.39	2.72	3.07	1.95	2.20	-1.13
DME	Fmo3	1.35	2.51	1.83	1.86	1.36	1.37
Transcription Regulator	Fos	-1.21	-1.18	3.57	1.02	4.33	-4.23
Other	Fosl2	1.32	1.08	2.83	-1.22	2.14	-2.61
Transcription Regulator	Foxo3	1.38	1.69	2.30	1.23	1.67	-1.36
Receptor	Fzd5	1.04	-1.78	-2.13	-1.85	-2.21	1.20
Receptor	Fzd6	-1.24	-1.95	-2.60	-1.57	-2.09	1.33
Other	G0s2	-2.67	-3.33	-5.47	-1.25	-2.05*	1.64
Other	Gadd45a	-1.35	-2.25	-1.63	-1.67	-1.21	-1.39
Other	Gadd45g	2.45*	1.98	4.47	-1.24	1.83	-2.26*
Other	Gimap9	-1.32	-1.64	-2.21	-1.24	-1.67	1.35
Transporter	Gja1	1.04	1.31	2.47	1.26	2.37	-1.89
Transporter	Gja1	1.02	1.23	2.30	1.21	2.27	-1.88
Transporter	Gja1	-1.14	1.23	1.96	1.41	2.23	-1.59
Other	Gm10567	-1.99	-1.91	-2.28	1.04	-1.14	1.19
Enzyme	Gm11128	2.44	2.45	2.47	1.00	1.01	-1.01
Other	Gm129	2.11	2.07	2.43	-1.01	1.16	-1.17
Other	Gm14296	1.30	1.82	2.69	1.40	2.07	-1.48
Other	Gm6484	-2.74	-5.31	-4.29	-1.94	-1.57	-1.24
Enzyme	Gna14	2.14	1.58	1.49	-1.36	-1.44	1.06
Enzyme	Gna14	2.12	1.89	1.87	-1.12	-1.14	1.01
Enzyme	Gna14	2.09	1.89	1.70	-1.11	-1.23	1.11
Enzyme	Got1	1.66	1.86	2.07	1.13	1.25	-1.11
Other	Gpcpd1	1.67	2.89	3.53	1.73	2.11	-1.22
Other	Gpcpd1	1.16	2.19	2.76	1.89	2.38	-1.26
Other	Gpcpd1	1.19	1.84	2.07	1.55	1.74	-1.12
Other	Grem2	1.08	2.47	3.48	2.29	3.23	-1.41
Other	Gse1	1.23	-1.40	-1.86	-1.72	-2.28	1.32
Enzyme	Hdhd3	-1.23	-1.55	-2.51	-1.26	-2.03	1.61
Other	Hfe2	-1.17	-1.60	-2.06	-1.37	-1.76	1.28
Other	Hfe2	-1.15	-1.52	-2.01	-1.32	-1.75	1.33
Transcription Regulator	Hhex	2.13	2.31	2.69	1.09	1.27	-1.16
Other	Hist2h3c2	1.78	1.64	2.06	-1.09	1.15	-1.25
Transmembrane Receptor	Hmmr	-2.52	-1.70	-2.18	1.49	1.16	1.28
Transcription Regulator	Homez	-1.31	-1.42	-2.01	-1.09	-1.54	1.42
Enzyme	Hsp90aa1	1.32	1.50	2.70	1.14	2.05	-1.80
Enzyme	Hsp90aa1	1.19	1.30	2.22	1.10	1.87	-1.71

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Other	Hspa1a	2.08*	5.84	17.32	2.81	8.32	-2.97
Other	Hspa1b	1.80	4.64	11.98	2.58	6.66	-2.58
Other	Hspa1b	1.81	4.51	10.90	2.49	6.01	-2.42
Other	Hspa4l	1.33	2.10	3.17	1.58	2.39	-1.51
Other	Hspa4l	1.03	1.80	2.83	1.74	2.75	-1.58
Other	Hspa4l	1.12	1.51	2.57	1.35	2.29	-1.70
Other	Hspa4l	1.09	1.72	2.35	1.57	2.15	-1.37
Enzyme	Hspa8	2.21	1.98	2.15	-1.12	-1.03	-1.08
Other	Hspb1	1.02	1.77	7.16	1.74	7.05	-4.05
Other	Hspb1	1.16	1.65	4.94	1.43	4.26	-2.99
Other	Hspb1	-1.15	1.41	4.12	1.63	4.74	-2.91
Other	Hspb1	1.05	1.65	4.50	1.57	4.28	-2.73
Other	Hsph1	1.33	2.42	5.04	1.82	3.79	-2.08
Other	Hsph1	1.25	1.73	2.47	1.38	1.97	-1.43
Other	lapp	277.19	268.85	224.89	-1.03	-1.23	1.20
Other	lapp	86.88	82.35	72.61	-1.06	-1.20	1.13
Other	lapp	19.84	19.58	16.45	-1.01	-1.21	1.19
Transcription Regulator	ld1	-2.06	-2.69	-3.17	-1.30	-1.54	1.18
Transcription Regulator	ld3	-1.64	-2.76	-3.55	-1.69	-2.16	1.28
Other	ler3	-1.05	-1.20	1.71	-1.15	1.79	-2.06
Other	Inca1	-1.95	-2.33	-1.73	-1.19	1.13	-1.35
Growth Factor	Inhbe	-1.05	-1.70	-3.86	-1.62	-3.68	2.27
Kinase	lp6k2	1.06	1.96	2.41	1.84	2.26	-1.23
Kinase	lp6k2	1.08	1.47	2.05	1.36	1.90	-1.40
Transcription Regulator	lrf2bp2	-1.03	1.25	2.75	1.29	2.83	-2.21
Transcription Regulator	Jdp2	1.07	2.09	3.57	1.95	3.33	-1.71
Other	Jub	1.50	-1.03	-1.36	-1.54	-2.04	1.33
Ion Channel	Kcnk5	1.32	1.14	-1.75	-1.16	-2.30	1.99
Transcription Regulator	Klf6	-1.05	1.00	1.98	1.06	2.08	-1.97
Other	Klhdc5	2.32	2.50	2.25	1.07	-1.03	1.11
Other	Klhdc8a	-1.55	-1.88	-2.04	-1.21	-1.31	1.08
Other	Krt19	-2.20	-2.02	-1.18	1.09	1.86	-1.71
Other	Lass6	1.07	1.22	2.03	1.13	1.89	-1.67
Transporter	Lcn2	2.78	1.96	2.67	-1.42	-1.04	-1.37
Enzyme	Ldhb	-3.83	-3.92	-3.78	-1.03	1.01	-1.04
Enzyme	Ldhb	-3.01	-2.42	-2.60	1.24	1.16	1.07
Enzyme	Ldhb	-2.03	-1.74	-1.88	1.17	1.08	1.09

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Transmembrane Receptor	Lifr	1.30	1.36	2.24	1.05	1.72	-1.64
Other	Lonrf1	2.13	1.75	1.81	-1.22	-1.18	-1.03
Enzyme	Lpin1	1.81	3.58	4.93	1.98	2.72	-1.38
Enzyme	Lpin2	1.43	1.70	2.78	1.19	1.95	-1.63
Enzyme	Lpin2	1.36	2.06	2.72	1.51	1.99	-1.32
Other	Lrfn3	-1.58	-2.06	-2.04	-1.30	-1.29	-1.01
Transmembrane Receptor	Lyve1	1.33	1.90	2.36	1.42	1.77	-1.24
Other	Mafb	1.95	2.04	1.97	1.05	1.01	1.04
Transcription Regulator	Maff	-1.21	1.15	2.38	1.38	2.87	-2.07
Transcription Regulator	Mbd1	1.11	1.30	2.88	1.17	2.61	-2.22
Transcription Regulator	Mbd1	1.48	1.85	2.83	1.25	1.91	-1.53
Other	Mfsd2a	3.30	3.77	3.16	1.14	-1.04	1.19
Other	Mid1	-2.31	-1.70	-1.66	1.36	1.39	-1.02
Kinase	Mknk2	1.64	1.90	2.45	1.16	1.49	-1.29
Kinase	Mknk2	1.58	1.75	2.05	1.11	1.30	-1.17
Other	Mmd2	1.65	1.77	2.23	1.08	1.35	-1.26
Enzyme	Mogat1	-2.71	-2.42	-2.97	1.12	-1.09	1.23
Other	Mrpl51	1.45	1.65	2.02	1.14	1.40	-1.22
Other	Mt1	1.32	1.62	20.37	1.22	15.41	-12.60
Receptor	Mtnr1a	-1.43	-1.41	-2.01	1.01	-1.41	1.42
Transcription Regulator	Myc	1.81	1.62	2.31	-1.12	1.28	-1.43
Transcription Regulator	Mycn	1.19	-1.90	-1.62	-2.27	-1.94	-1.17
Cytokine	Nampt	1.41	2.10	2.33	1.48	1.64	-1.11
Other	Nav2	-1.90	-3.51	-4.45	-1.85	-2.34	1.27
Other	Nckap5	-1.64	-2.01	-2.02	-1.23	-1.23	1.00
Other	Neb	1.96	2.35	2.16	1.20	1.10	1.09
Enzyme	Nedd4l	-1.76	-3.02	-3.18	-1.72	-1.81	1.05
Other	Nedd9	1.22	1.26	2.72	1.03	2.23	-2.16
Other	Nedd9	-1.07	1.28	1.96	1.37	2.10*	-1.53
Transcription Regulator	Nfkbiz	-1.46	-2.03	-1.15	-1.39	1.27	-1.76
Other	Nipal1	1.43	2.83	4.23	1.98	2.95	-1.49
Other	Nipal1	1.39	2.15*	3.51	1.54	2.52	-1.63
Other	Nlrp12	-2.58	-1.92	-1.24	1.35	2.08	-1.54
DME	Nnmt	2.84	2.66	3.03	-1.07	1.07	-1.14

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Nuclear Receptor	Nr0b2	-2.17	-2.95	-3.29	-1.36	-1.51	1.12
Nuclear Receptor	Nr4a1	-2.29	-2.05	-1.08	1.12	2.13	-1.91
Growth Factor	Nrg4	1.70	2.59	2.61	1.52	1.54	-1.01
Kinase	Ntrk2	4.46	4.18	4.61	-1.07	1.03	-1.10
Kinase	Ntrk2	4.86	2.84	3.65	-1.71	-1.33	-1.29
Other	Obfc2a	1.38	1.20	2.11	-1.14	1.53	-1.75
Other	Olfm3	2.03	2.23	1.90	1.10	-1.07	1.18
Other	Omd	1.71	2.06	2.47	1.21	1.45	-1.20
Transcription Regulator	Onecut1	1.31	2.28	3.20	1.74	2.44	-1.40
Transcription Regulator	Onecut1	1.42	2.03	2.92	1.43	2.06	-1.44
Other	Orm3	2.06	1.83	3.58	-1.12	1.74	-1.96
Growth Factor	Osgin1	-2.21	-2.67	-2.28	-1.20	-1.03	-1.17
Enzyme	P4ha1	1.19	2.10	3.64	1.76	3.05	-1.74
Enzyme	P4ha1	1.23	1.45	2.08	1.18	1.69	-1.43
Other	Parp16	1.45	2.16	2.40	1.49	1.65	-1.11
Kinase	Pck1	2.14	2.30	2.49	1.07	1.16	-1.08
Enzyme	Pde6h	3.05	4.63	7.11	1.52	2.33	-1.53
Other	Pdzn3	-1.15	1.60	-1.32	1.84	-1.14	2.11
Enzyme	Pecr	-1.15	-1.62	-2.44	-1.40	-2.12	1.51
Other	Per1	2.94	3.78	4.92	1.28	1.67	-1.30
Kinase	Pfkfb3	1.30	2.59	3.55	2.00*	2.74	-1.37
Other	Phlda1	2.13	2.02	1.80	-1.06	-1.19	1.12
Kinase	Plk3	1.74	1.80	2.56	1.03	1.47	-1.42
Other	Pls1	2.71	2.59	2.56	-1.04	-1.06	1.01
Enzyme	Pltp	2.40	2.50	2.01	1.04	-1.20	1.24
Other	Ppp1r3b	1.14	-1.54	-2.09	-1.75	-2.38	1.36
Enzyme	Ppp1r3c	-1.87	-3.64	-4.28	-1.95	-2.29	1.18
Enzyme	Ppp1r3c	-1.78	-2.66	-3.53	-1.49	-1.98	1.33
Other	Ppp1r3g	1.12	4.06	14.99	3.62	13.39	-3.70
Enzyme	Ppp1r7	1.68	1.66	2.42	-1.02	1.44	-1.46
Transcription Regulator	Prox1	1.01	-1.38	-2.17	-1.40	-2.20	1.57
Enzyme	Ptp4a1	1.23	1.68	2.19	1.37	1.79	-1.30
Other	Pvr	1.01	-1.23	1.78	-1.24	1.76	-2.18
Other	Rad51l1	-2.97	-2.15	-2.04	1.38	1.46	-1.06
Enzyme	Rasl11b	-1.65	-1.89	-2.13	-1.15	-1.29	1.13
Other	Rassf4	-1.19	2.46	3.00	2.94	3.58	-1.22
Other	Rbm12b	1.65	2.39	2.32	1.45	1.41	1.03

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Transcription Regulator	Rcan1	1.56	1.79	2.54	1.15	1.62	-1.42
Other	Rcor3	-1.19	-1.34	-2.05	-1.13	-1.73	1.53
Enzyme	Ren1	1.93	2.21	2.97	1.15	1.54	-1.34
Enzyme	Retsat	-1.93	-1.80	-2.09	1.07	-1.08	1.16
Other	Rgs1	1.31	1.45	3.48	1.10	2.65	-2.40
Other	Rgs16	-1.10	5.60	9.58	6.14	10.49	-1.71
Other	Rgs16	-1.03	2.92	5.35	3.01	5.51	-1.83
Other	Rgs3	1.29	2.03	1.69	1.58	1.31	1.20
Other	Rgs3	1.18	2.00	1.52	1.70	1.29	1.32
Enzyme	Rnd3	1.61	1.76	2.34	1.09	1.45	-1.33
Enzyme	Rnf43	1.05	-1.69	-3.22	-1.77	-3.38	1.91
Kinase	Rps6ka5	1.79	1.98	2.29	1.10	1.28	-1.16
Other	Rtn4r1	-1.65	-2.25	-2.68	-1.36	-1.62	1.19
Other	S100a8	-1.32	-1.67	1.31	-1.27	1.73	-2.19
Other	S100a9	-1.30	-1.55	1.40	-1.19	1.82	-2.17
Enzyme	Sc4mol	-1.12	-2.11*	-3.77	-1.89	-3.37	1.78
Other	Serpinb1a	-1.37	-2.08	-1.47	-1.52	-1.08	-1.41
Other	Serpinh1	1.08	1.90	2.64	1.76	2.44	-1.39
Transporter	Slc10a2	1.40	1.27	2.18	-1.11	1.56	-1.72
Transporter	Slc13a2	-1.21	-2.12	-1.64	-1.74	-1.35	-1.29
Transporter	Slc25a32	1.07	1.48	2.24	1.38	2.09	-1.51
Transporter	Slc25a32	1.12	1.55	2.17	1.39	1.95	-1.40
Transporter	Slc26a3	-2.73	-2.41	-1.75	1.13	1.56	-1.38
Transporter	Slc30a10	-1.31	-1.96	-2.33	-1.49	-1.77	1.19
Transporter	Slc43a1	1.73	1.67	2.20	-1.03	1.27	-1.31
Transporter	Slc5a3	-1.01	1.65	3.21	1.67	3.23	-1.94
Transporter	Slc6a4	-1.30	-1.59	-2.11	-1.23	-1.63	1.33
Transporter	Slco1a1	-130.14	-170.10	-191.30	-1.31	-1.47	1.12
Transporter	Slco1a1	-90.51	-80.44	-108.12	1.13	-1.19	1.34
Transporter	Slco1a4	-114.41	-136.64	-140.69	-1.19	-1.23	1.03
Transporter	Slco1b2	-157.07	-215.60	-239.85	-1.37	-1.53	1.11
Transporter	Slco1b2	-114.68	-94.77	-110.55	1.21	1.04	1.17
Transporter	Slco1b2	-80.63	-81.25	-43.24	-1.01	1.86	-1.88
Transcription Regulator	Smad6	1.37	-1.28	-1.47	-1.75	-2.00	1.15
Kinase	Smg1	1.31	1.43	2.11	1.09	1.60	-1.48
Other	Snhg11	3.90	3.66	3.50	-1.07	-1.11	1.04
Enzyme	Socs2	1.31	2.77	3.88	2.11*	2.96	-1.40
Enzyme	Socs2	1.43	2.64	3.52	1.85	2.46*	-1.33
Enzyme	Socs3	1.70	-1.31	2.14	-2.22	1.26	-2.79

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Transcription Regulator	Sox9	-2.10	-2.33	-1.72	-1.11	1.22	-1.36
Other	Spsb1	1.12	1.16	2.71	1.04	2.42	-2.34
Other	Spsb1	1.18	1.47	2.91	1.25	2.48	-1.98
Transcription Regulator	Srebf1	1.46	1.03	-1.65	-1.42	-2.40	1.69
Other	Srgap3	1.45	1.67	2.28	1.15	1.57	-1.37
Other	Srrm4	1.07	-1.35	1.61	-1.45	1.49	-2.17
Other	Sspn	1.94	2.43	2.38	1.25	1.22	1.02
Other	Stap1	3.40	3.62	2.82	1.06	-1.21	1.28
Transporter	Stard4	1.29	1.67	2.15	1.29	1.67	-1.29
Transcription Regulator	Stat5a	-1.41	-2.35	-2.25	-1.66	-1.59	-1.04
Transcription Regulator	Tbx3	-1.62	-2.35	-3.93	-1.46	-2.43	1.67
Transcription Regulator	Tbx3	-1.36	-2.05	-2.74	-1.51	-2.01	1.33
Enzyme	Tgm1	1.56	2.07	1.90	1.33	1.22	1.09
Other	Tirap	2.02	3.61	5.36	1.79	2.66	-1.48
Other	Tm7sf3	1.86	2.10	2.00	1.13	1.08	1.05
Other	Tnfaip2	-1.64	-2.54	-2.96	-1.55	-1.81	1.17
Enzyme	Tnfaip3	1.43	1.27	2.95	-1.12	2.06	-2.32
Other	Trp53inp1	1.09	1.42	2.32	1.30	2.13	-1.63
Transcription Regulator	Tsc22d1	-1.38	-1.96	-3.28	-1.42	-2.38	1.68
Transcription Regulator	Tsc22d1	-1.27	-1.81	-2.84	-1.43	-2.25	1.57
Transcription Regulator	Tsc22d3	1.52	1.87	2.19	1.24	1.44	-1.17
Other	Ttc39a	2.05	2.19	1.93	1.07	-1.06	1.13
Other	Ttc39b	1.36	1.31	2.01	-1.04	1.48	-1.54
Other	Ttc7	1.06	-1.79	-2.50	-1.90	-2.64	1.39
Other	Ubxn7	1.09	1.57	2.26	1.44	2.08	-1.44
Enzyme	Usp2	3.59	4.43	3.63	1.24	1.01	1.22
Enzyme	Usp2	3.37	4.41	3.21	1.31	-1.05	1.37
Transmembrane Receptor	Vcam1	1.24	1.57	2.37	1.26	1.91	-1.51
Enzyme	Vnn1	-3.34	-3.18	-2.71	1.05	1.23	-1.17
Other	Wsb1	1.35	1.80	2.02	1.33	1.49	-1.12
Enzyme	Wwox	-1.48	-2.24	-2.33	-1.51	-1.57	1.04
Other	Xlr3a	1.49	2.91	1.12	1.96	-1.33	2.59*
Other	Zbtb16	-1.25	1.26	1.61	1.58	2.01	-1.27
Other	Zfand2a	1.10	1.16	2.02	1.05	1.84	-1.75

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Other	Zfp259	2.00	2.81	2.59	1.41	1.29	1.09
Other	Zfp395	1.43	-1.22	-1.44	-1.74	-2.06	1.19
Other	Zfp467	1.04	-1.77	-2.31	-1.84	-2.40	1.31
Other	Zfp467	-1.01	-1.52	-2.13	-1.50	-2.11	1.41
Other	Zfp763	-1.40	-1.85	-2.35	-1.32	-1.68	1.27
Other	Zfp809	2.21	2.33	2.21	1.05	-1.00	1.05
Other	Zfp867	-1.24	-2.08	-2.90	-1.68	-2.34	1.39

DME, Drug Metabolizing Enzyme.