

Supplemental Table 1: Differential expression of candidate FXR-regulated genes in whole liver RNAseq studies

Gene Symbol	p-value	Fold Change	p-value	Fold Change
	KO SC-435 vs KO control	KO SC-435 vs KO control	WT SC-435 vs WT control	WT SC-435 vs WT control
<i>Abcb1a</i>	0.000	-6.990	0.148	-1.561
<i>Abcb4</i>	0.069	-1.196	0.732	1.094
<i>Abcb11</i>	0.277	1.749	0.91	0
<i>Abcc2</i>	0.168	-1.105	0.725	1.171
<i>Angptl3</i>	0.011	1.395	0.105	1.580
<i>Apoa1</i>	0.004	1.484	0.914	1.030
<i>Apoc1</i>	0.001	1.829	0.829	1.097
<i>Apoc2</i>	0.011	-2.244	0.514	-1.153
<i>Apoc3</i>	0.019	1.761	0.836	-1.076
<i>Apoc4</i>	0.007	1.893	0.914	1.053
<i>Apoe</i>	0.009	1.769	0.983	-1.009
<i>Baat</i>	0.005	1.465	0.101	1.316
<i>C3</i>	0.176	1.160	0.985	1.005
<i>Camp</i>	0.000	1.292	0.605	1.040
<i>Car12</i>	0.000	1.292	0.605	1.040
<i>Cyp2a4</i>	0.174	3.645	0.493	-1.199
<i>Cyp7a1</i>	0.002	9.038	0.031	13.939
<i>Cyp8b1</i>	0.000	170.120	0.028	3.877
<i>Ddah1</i>	0.029	-1.609	0.026	-1.649
<i>Edn1</i>	0.005	1.252	0.605	1.040
<i>Fabp6</i>	0.000	1.292	0.605	1.040
<i>Fas</i>	0.228	1.201	0.911	1.034
<i>Fbp1</i>	0.001	2.402	0.192	1.313
<i>Fga</i>	0.010	1.728	0.131	-1.153
<i>Fgb</i>	0.056	1.334	0.132	-1.183
<i>Fgf15</i>	0.000	1.292	0.605	1.040
<i>Fgg</i>	0.008	1.702	0.149	-1.274
<i>G6pc</i>	0.019	7.292	0.734	-1.210
<i>Gsk3b</i>	0.379	-1.076	0.059	1.386
<i>Hmgcl</i>	0.002	1.866	0.880	1.043
<i>Hnf4a</i>	0.217	1.160	0.927	-1.029
<i>Icam1</i>	0.004	-2.194	0.011	-1.306
<i>Il18</i>	0.013	1.524	0.744	-1.108
<i>Insig2</i>	0.173	-1.289	0.042	-1.890
<i>Kng1</i>	0.006	1.220	0.850	1.027
<i>Nfkb1</i>	0.365	-1.066	0.513	1.067
<i>Nos2</i>	0.000	1.292	0.605	1.040
<i>Nos3</i>	0.000	1.292	0.605	1.040
<i>Nr0b2</i>	0.014	-2.863	0.429	-1.634
<i>Nr5a2</i>	0.137	1.154	0.863	1.047

<i>Pck1</i>	0.912	-1.037	0.297	-1.697
<i>Pdk4</i>	0.003	3.098	0.151	2.497
<i>Pltp</i>	0.007	-2.285	0.074	2.692
<i>Pon1</i>	0.001	9.350	0.244	1.181
<i>Ppara</i>	0.003	2.132	0.460	-1.162
<i>Scarb1</i>	0.830	-1.050	0.772	-1.105
<i>Sdc1</i>	0.902	-1.014	0.136	1.575
<i>Slc10a1</i>	0.004	2.692	0.453	1.080
<i>Slc10a2</i>	0.139	-1.510	0.206	1.697
<i>Slc22a7</i>	0.019	4.126	0.338	-1.349
<i>Slc27a5</i>	0.001	2.518	0.243	1.330
<i>Slc2a4</i>	0.084	1.199	0.605	1.040
<i>Slc40a1</i>	0.018	-1.386	0.390	-1.449
<i>Srebf1</i>	0.141	1.629	0.856	-1.106
<i>Sult2a1</i>	0.384	6.454	0.100	1.422
<i>Vcam1</i>	0.003	-3.202	0.334	-1.379
<i>Vldlr</i>	0.017	1.230	0.111	1.399
