

SUPPLEMENTARY INFORMATION

Supplementary Table S1. The expression of 289 overlapping genes based on GSE62732 and GSE44925 dataset.

ID	Gene symbol	LogFC	
		GSE62732	GSE44925
1	Dio1	-2.55	-3.04
2	Akr1e1	-2.59	-1.08
3	Wnk4	-2.14	-1.16
4	Nek6	2.62	1.93
5	Tmem53	-1.92	-1.54
6	Usp2	-3.20	-1.68
7	Clec2h	-3.20	-1.87
8	Tmem174	-4.33	-2.14
9	Fam81a	-2.76	-1.7
10	Ptger3	-3.69	-1.37
11	Flrt1	-1.55	-1.65
12	Slc6a20b	-3.46	-1.88
13	Myc	1.55	3.19
14	Sord	-2.42	-1.12
15	Rab11fip3	-2.67	-1.6
16	Bsnd	-1.50	-2.73
17	Tfap2b	-2.59	-1.05
18	Slc2a4	-1.94	-1.76
19	Acss2	-3.92	-1.63
20	Slc13a3	-2.32	-2.23
21	Pm20d1	-3.78	-1.7
22	Apeh	-1.24	-1.34
23	Nox4	-4.32	-1.17
24	Gcdh	-2.63	-1.07
25	Sardh	-4.05	-1.42
26	Sfrp1	-3.55	-2.86
27	Arhgap24	-2.83	-1.15
28	Rab17	-4.21	-1.09
29	Igfbp4	-1.57	-1.26
30	Fgf9	-2.33	-1.07
31	Glod5	-4.26	-1.08
32	Map3k7cl	-1.49	-2.31
33	Enpp3	-2.63	-1.44
34	Papss2	-2.55	-1.98
35	Chrna4	-2.01	-2.41
36	Nfia	-2.75	-1.15
37	Slc15a2	-3.46	-1.98
38	Cyr61	-3.15	2.67

39	Cyp2a5///Cyp2a4	-4.23	1.48
40	Lrp8	2.42	1.08
41	Cckar	-3.38	-2.04
42	Hao	-2.16	-1.63
43	Foxq1	-2.14	-1.36
44	Hpd	-4.43	-3.42
45	Gstm7	-1.81	-1.17
46	Sim1	-1.98	-1.18
47	Ehd3	-2.03	-1.1
48	Mthfd1	-1.89	-1.59
49	Bphl	-2.91	-1.68
50	Hlf	-2.46	-2.02
51	Itga1	-2.55	-1.1
52	Pdk2	-2.25	-1.54
53	Gatm	-1.65	-2.28
54	Acsml	-3.99	-2.35
55	Slc12a1	-3.25	-2.52
56	Cldn10	-2.45	-1.98
57	Cyp4a14	-4.89	-2.38
58	Nat8f1	-4.27	-2.59
59	Gpm6a	-3.44	-1.17
60	Me3	-2.79	-1.37
61	P3h2	-3.18	-1.82
62	Slc2a13	-1.83	-1.14
63	Cmah	2.37	-2.09
64	Gent1	-1.56	-1.73
65	Sostdc1	-1.44	-2.49
66	Akr1c21	-4.76	-1.38
67	Kcnj1	-3.23	-2.17
68	Fads2	-2.45	-1.7
69	Wwtr1	-2.18	1.01
70	Slc23a1	-2.31	-1.24
71	Rad18	1.65	1.23
72	Ccdc189	-1.50	-1.19
73	Slc26a4	-2.05	-1.37
74	Rdh16	-3.00	-1.82
75	Abat	-2.71	-1.56
76	Hgd	-4.61	-1.13
77	Fmo1	-4.34	-1.14
78	Slc25a10	-3.08	-1.06
79	Slc12a6	2.95	-1.05
80	Calb1	-3.60	-1.73
81	Tcea3	-1.72	-1.81

82	Fut9	-3.59	-1.83
83	Slc5a1	-2.04	-1.23
84	Galm	-2.16	-1.46
85	Epb41l3	-3.27	-1.55
86	Tmem207	-3.09	-3.15
87	Apela	-1.92	-1.66
88	Acy1	-1.14	-2.22
89	Lrrc66	-2.45	-2.77
90	Tinag	-3.35	-1.18
91	Glyctk	-3.02	-1.95
92	Ttc36	-3.20	-1.73
93	Aldh1a1	-1.98	1.24
94	Aqp11	-3.16	-1.35
95	Abhd14a	-2.39	-1.77
96	Acsm5	-3.25	-2.59
97	Mgam	-2.93	-2.03
98	Pdk4	-3.21	3.37
99	Galnt11	-2.62	-2.29
100	Stxbp4	-1.41	-1.35
101	Rap2b	1.93	1.08
102	Gsta4	-2.74	-1.37
103	Dcaf11	-1.52	-1.17
104	Igfbp5	-2.17	-1.31
105	Cdk11	-1.84	-2.06
106	Aamdc	-1.76	-1.08
107	Csf1r	1.23	-1.03
108	Mpc2	-1.56	-1.06
109	Slc4a1	-3.35	-2.45
110	Pck1	-4.44	-1.04
111	Ppp1r1a	-1.98	-1.96
112	B3gat2	-2.05	-2.97
113	Egfl6	-1.78	-1.78
114	Glb11	-1.85	-1.24
115	Pprc1	1.61	1.13
116	Bhmt2	-2.81	-1.67
117	Aqp6	-1.38	-1.69
118	Rhbg	-2.48	-1.74
119	Sema3c	-2.70	2.15
120	Frzb	-2.14	1.83
121	D630023F18Rik	-3.73	-1.62
122	Slc5a9	-2.21	-1.56
123	Fam13a	-3.02	-1.54
124	Cyp2c44	-2.47	-2.9

125	Mccc2	-2.39	-1.62
126	Timd2	-2.78	3.39
127	Cdt1	2.28	1.15
128	Fras1	-2.46	-1.19
129	Morn2	-1.92	-1.55
130	Slc22a7	-2.68	-2.67
131	Mep1b	-2.83	-1.8
132	Cyp2d26	-4.95	-1.83
133	Cyp24a1	-3.50	-1.66
134	Slc16a9	-4.34	-1.43
135	Sult1c2	-2.66	-1.93
136	Ranbp31	-2.55	-2.26
137	Pgam2	-2.90	-1.47
138	Bdh2	-2.73	-1.19
139	Kl	-4.17	-1.83
140	Cyp4a12a	-3.73	2.98
141	Pdzk1	-4.04	-2
142	Pesk6	-1.84	-1.05
143	Pxmp2	-2.75	-1.59
144	Dao	-3.44	-1.29
145	Hint2	-1.78	-1.08
146	Pkp2	-3.06	1.02
147	Cmb1	-2.17	-1.95
148	Nmrk1	-3.25	-1.46
149	Aadat	-3.51	-2.48
150	Rnf152	-3.96	-1.15
151	Abhd14b	-3.35	-1.5
152	Lrp2	-4.79	-1.41
153	Slc6a4	-1.42	-1.82
154	Stradb	-2.14	-1.03
155	Plekha6	-2.30	-1.15
156	Slc22a8	-4.74	-1.27
157	Pah	-4.15	-2.12
158	Lhx1	2.50	-1.01
159	Slc1a1	-3.80	-1.13
160	Il4ra	1.31	1.13
161	Id4	-3.11	-1.51
162	Slc44a4	-2.45	-1.16
163	Gas2l3	2.65	1.48
164	Pdzk1ip1	-3.39	-1.17
165	Keg1	-4.35	-1.44
166	Ceacam2	-2.39	-2.98
167	Aspa	-3.22	-1.77

168	Scp2	-1.80	-1.06
169	Krt8	-1.92	1.6
170	Shmt1	-1.45	-1.58
171	Nnt	-1.29	-1.17
172	Gk	-2.11	-1.43
173	Prodh	-2.34	-1.28
174	Hykk	-3.17	-2.17
175	Steap1	-2.56	1.41
176	Pth1r	-3.52	-1.17
177	Lzts3	-2.24	-1.48
178	Angpt1	-1.86	-1.24
179	Pecr	-2.58	-1.69
180	Fgf1	-2.62	-1.14
181	Rab3il1	1.31	-1.08
182	Samd4	1.75	1.02
183	Acsm3	-2.19	3.3
184	D630029K05Rik	-3.48	-2.32
185	Nqo1	-1.67	1.52
186	Bdh1	-3.16	-1.68
187	Amacr	-3.74	-1.26
188	Hibadh	-2.00	1.01
189	Sypl2	-1.68	-1.78
190	Osbp110	1.59	1.02
191	Grb7	-3.48	-1.27
192	Eci3	-3.34	-1.9
193	Snx29	-2.09	-1.78
194	Prox1	-2.04	-1.11
195	Suox	-2.27	-1.13
196	Slc2a2	-4.11	-1.57
197	G6pc	-5.14	-2.09
198	Celsr2	-2.55	-1.18
199	Slc7a12	-3.64	-6.43
200	Fabp7	-1.92	-2.52
201	BC038268	-5.08	-2.47
202	Apoh	-4.54	1.09
203	Hao2	-3.82	-3.77
204	BC089597	-4.33	-3.55
205	Slc46a1	-1.73	-1.59
206	Gabrb3	-2.23	-2.05
207	Acot3	-2.99	-2.51
208	Il1rn	2.80	1.31
209	Suco	2.61	1.46
210	St8sia1	-2.39	-2.26

211	Tmem52b	-2.89	-2.11
212	Ak4	-3.72	-1.85
213	Cyp2j11	-3.62	-1.43
214	Slc7a1	1.83	1.08
215	Evc	-2.47	-1.43
216	Pter	-3.62	-1.26
217	Ddo	-2.87	-1.16
218	Slc5a2	-2.00	-1.22
219	Slc10a2	-4.48	-1.95
220	Nipsnap1	-2.91	-1.37
221	Hnf4a	-3.50	-1.28
222	Slc16a7	-1.23	-2.05
223	F2r11	-2.48	1.54
224	Slc16a4	-1.85	-2.16
225	Slc6a13	-4.34	-1.8
226	Slc37a4	-2.37	-1.68
227	Dusp15	-2.75	-1.43
228	Slc13a2	-2.14	-2.37
229	Car4	-2.80	-1.52
230	Fggy	-4.22	-1.95
231	Ift122	-1.18	-1.45
232	Acss1	-1.78	-2.04
233	Tet1	-1.76	-1.37
234	Susd2	-3.47	-1.36
235	Paqr9	-3.38	-1.33
236	Tmem64	-1.77	-1.14
237	Dmtn	-2.07	-1.49
238	Egf	-3.47	-3.55
239	Slc9a3	-3.14	-1.11
240	Gstz1	-2.73	-1.3
241	Car12	-2.59	-1.95
242	Dnajc12	-2.81	-1.66
243	Rhcg	-1.99	-2.43
244	Xylb	-4.44	-1.39
245	Chst11	-2.11	1.46
246	Slc22a29	-2.29	-1.69
247	Aldh4a1	-3.18	-1.74
248	Adhfe1	-2.49	-1.05
249	Rmdn2	1.87	1.08
250	Dpep1	-3.75	-1.19
251	Gys2	-3.84	-1.72
252	Slc4a4	-4.46	-1.19
253	B3galt5	-1.91	-1.96

254	Folh1	-3.13	-1.15
255	Spp2	-4.18	-2.05
256	Miox	-3.20	-1.05
257	Abca13	-4.17	-2.33
258	Gm11992	-2.46	-2.12
259	Kcnip2	1.55	-1.09
260	D10Jhu81e	-2.02	-1.31
261	Pvalb	-3.32	-2.81
262	Agtr1a	-1.68	-1.23
263	Hsd3b2	-2.13	-2.39
264	Bmp7	-1.40	-1.01
265	Efhd1	-2.05	-1.2
266	Veph1	-2.26	-1.38
267	Angptl7	-2.71	1.62
268	Adm	-1.75	1.63
269	Slc5a12	-3.78	-2.28
270	Cubn	-4.14	-1.63
271	Stk32b	-1.80	-1.05
272	Slc25a37	-2.22	1.19
273	Slc6a19	-3.91	-1.33
274	Mme	-3.52	-1.61
275	Rab31	1.84	1.2
276	Adipoq	1.31	1.7
277	Ppargc1a	-4.00	-1.16
278	Clybl	-1.72	-1.09
279	Esrrg	-3.11	-1.22
280	Ptprd	-3.08	-1.33
281	Hsd11b2	-3.29	-1.51
282	Dcxr	-1.87	-1.5
283	Qdpr	-1.22	-1.37
284	Cck	1.85	-1.25
285	Tmem97	1.87	-1.15
286	Wfdc15b	-2.66	-1.76
287	Slc7a9	-3.67	-1.27
288	Aadac	-4.52	-1.21
289	Tln2	-3.21	-1.49
