

Supplementary Table S1 201 shared genes in the kidney of offspring at 12 weeks of age exposed to methyl-deficient diet (L-MD), high methyl-donor diet (H-MD), and high methyl-donor diet plus melatonin treatment (H-MD+M)

Gene ID	Gene Symbol
ENSRNOG00000000060	<i>Cplx1</i>
ENSRNOG00000000249	<i>Mettl23</i>
ENSRNOG00000000461	<i>Brd2</i>
ENSRNOG00000000827	<i>Ier3</i>
ENSRNOG00000000918	<i>Zbed5</i>
ENSRNOG00000000996	<i>Arpc1a</i>
ENSRNOG00000001009	<i>Bri3</i>
ENSRNOG00000001724	<i>Atp13a3</i>
ENSRNOG00000002280	<i>Sh3bgrl</i>
ENSRNOG00000002835	<i>Luc7l3</i>
ENSRNOG00000002874	<i>Rbm25</i>
ENSRNOG00000002911	<i>Alb</i>
ENSRNOG00000002946	<i>Socs3</i>
ENSRNOG00000003566	<i>ApoH</i>
ENSRNOG00000003581	<i>Pou2f1</i>
ENSRNOG00000003645	<i>Hnrnpab</i>
ENSRNOG00000003794	<i>Nmrall</i>
ENSRNOG00000003807	<i>Wnt9b</i>
ENSRNOG00000004239	<i>LOC100362999</i>
ENSRNOG00000004532	<i>Fam69b</i>
ENSRNOG00000006283	<i>LOC100362400</i>
ENSRNOG00000006636	<i>Otud6b</i>
ENSRNOG00000006759	<i>Ankrd24</i>
ENSRNOG00000006889	<i>Ambp</i>
ENSRNOG00000007081	<i>Xdh</i>
ENSRNOG00000007532	<i>RGD1305178</i>
ENSRNOG00000008757	<i>Tmem218</i>
ENSRNOG00000009086	<i>Apcs</i>
ENSRNOG00000009139	<i>Fubp3</i>
ENSRNOG00000009163	<i>Fam133b</i>
ENSRNOG00000009382	<i>Mettl8</i>
ENSRNOG00000009530	<i>RGD1561252</i>
ENSRNOG00000009897	<i>Clcnkb</i>
ENSRNOG00000010019	<i>Fam166a</i>

ENSRNOG00000010181	<i>Clec4d</i>
ENSRNOG00000010262	<i>Hdc</i>
ENSRNOG00000010478	<i>LOC299282</i>
ENSRNOG00000010489	<i>Samd4a</i>
ENSRNOG00000011096	<i>LOC100912369</i>
ENSRNOG00000011351	<i>Mat1a</i>
ENSRNOG00000011542	<i>Apopt1</i>
ENSRNOG00000011799	<i>Ccdc159</i>
ENSRNOG00000011827	<i>AABR07009397.1</i>
ENSRNOG00000011907	<i>Krt23</i>
ENSRNOG00000011918	<i>Vsx2</i>
ENSRNOG00000012677	<i>AABR07065598.1</i>
ENSRNOG00000012752	<i>Cklf</i>
ENSRNOG00000013062	<i>Cyp24a1</i>
ENSRNOG00000013118	<i>Atox1</i>
ENSRNOG00000013238	<i>LOC103693210</i>
ENSRNOG00000013301	<i>Bean1</i>
ENSRNOG00000014117	<i>Hmox1</i>
ENSRNOG00000014362	<i>Nudt14</i>
ENSRNOG00000014387	<i>Chac1</i>
ENSRNOG00000014414	<i>Qrfpr</i>
ENSRNOG00000014739	<i>Wfdc2</i>
ENSRNOG00000014846	<i>Anp32a</i>
ENSRNOG00000014861	<i>Rnf183</i>
ENSRNOG00000014964	<i>Hp</i>
ENSRNOG00000015156	<i>Gal</i>
ENSRNOG00000015772	<i>AC097890.1</i>
ENSRNOG00000015844	<i>Snrpd2</i>
ENSRNOG00000015880	<i>Dpep1</i>
ENSRNOG00000016058	<i>Kazald1</i>
ENSRNOG00000016275	<i>Ttr</i>
ENSRNOG00000016580	<i>Rps23</i>
ENSRNOG00000017054	<i>Kcne3</i>
ENSRNOG00000017223	<i>Plg</i>
ENSRNOG00000017243	<i>Bnip3</i>
ENSRNOG00000017381	<i>Itih4</i>
ENSRNOG00000017383	<i>l7Rn6</i>
ENSRNOG00000017463	<i>Bloc1s3</i>

ENSRNOG00000017571	<i>Ndufa2</i>
ENSRNOG00000017689	<i>Itih3</i>
ENSRNOG00000018059	<i>Ihh</i>
ENSRNOG00000018477	<i>Otud4</i>
ENSRNOG00000018610	<i>Pde6d</i>
ENSRNOG00000018680	<i>Rpl17</i>
ENSRNOG00000018711	<i>Ppcdc</i>
ENSRNOG00000018904	<i>Dtymk</i>
ENSRNOG00000018935	<i>AABR07001497.1</i>
ENSRNOG00000018939	<i>Rexo2</i>
ENSRNOG00000019442	<i>Josd2</i>
ENSRNOG00000019864	<i>Fam132a</i>
ENSRNOG00000021010	<i>Arl2</i>
ENSRNOG00000021029	<i>Hamp</i>
ENSRNOG00000021960	<i>AC109958.1</i>
ENSRNOG00000022502	<i>Nsrp1</i>
ENSRNOG00000022953	<i>Ccdc163</i>
ENSRNOG00000023320	<i>Tspan1</i>
ENSRNOG00000023762	<i>Rsrc1</i>
ENSRNOG00000025074	<i>Fgg</i>
ENSRNOG00000025810	<i>Grcc10</i>
ENSRNOG00000025909	<i>Uqcc2</i>
ENSRNOG00000026067	<i>Wfdc10a</i>
ENSRNOG00000026519	<i>AABR07044711.1</i>
ENSRNOG00000026594	<i>LOC100909776</i>
ENSRNOG00000026813	<i>AABR07044933.1</i>
ENSRNOG00000027849	<i>Wipf2</i>
ENSRNOG00000028083	<i>Zmym6nb</i>
ENSRNOG00000028330	<i>AABR07067600.1</i>
ENSRNOG00000028582	<i>LOC688389</i>
ENSRNOG00000028690	<i>LOC100362366</i>
ENSRNOG00000028707	<i>Defa7</i>
ENSRNOG00000029115	<i>RGD1564883</i>
ENSRNOG00000029386	<i>RT1-N2</i>
ENSRNOG00000029627	<i>LOC100362684</i>
ENSRNOG00000030058	<i>LOC100359600</i>
ENSRNOG00000030174	<i>Gm18025</i>
ENSRNOG00000030387	<i>Kngr1l1</i>

ENSRNOG00000030938	<i>RGD1564074</i>
ENSRNOG00000031167	<i>Srxn1</i>
ENSRNOG00000031207	<i>LOC500035</i>
ENSRNOG00000031211	<i>Acsn5</i>
ENSRNOG00000031579	<i>LOC100363469</i>
ENSRNOG00000031591	<i>AABR07032255.2</i>
ENSRNOG00000031834	<i>Nkain4</i>
ENSRNOG00000032327	<i>Pdia5</i>
ENSRNOG00000032596	<i>RT1-T24-1</i>
ENSRNOG00000032669	<i>Serpina1</i>
ENSRNOG00000032740	<i>Tmem258b</i>
ENSRNOG00000033153	<i>Sfn</i>
ENSRNOG00000033517	<i>LOC100360791</i>
ENSRNOG00000033619	<i>Apof</i>
ENSRNOG00000034161	<i>Cox6b1</i>
ENSRNOG00000037673	<i>RGD1565183</i>
ENSRNOG00000037897	<i>LOC100910336</i>
ENSRNOG00000037923	<i>Dmrtclcl</i>
ENSRNOG00000038370	<i>Ahsg</i>
ENSRNOG00000038375	<i>AABR07026311.1</i>
ENSRNOG00000038999	<i>RT1-A1</i>
ENSRNOG00000039850	<i>Pigp</i>
ENSRNOG00000040350	<i>Mir675</i>
ENSRNOG00000042344	<i>Smim22</i>
ENSRNOG00000042547	<i>RGD1565566</i>
ENSRNOG00000042690	<i>Zmat4</i>
ENSRNOG00000045686	<i>Nfs1</i>
ENSRNOG00000045963	<i>LOC100360654</i>
ENSRNOG00000045967	<i>AABR07064061.1</i>
ENSRNOG00000046094	<i>Cd151</i>
ENSRNOG00000046271	<i>LOC100911685</i>
ENSRNOG00000046450	<i>LOC102550729</i>
ENSRNOG00000046535	<i>Ppm1m</i>
ENSRNOG00000046834	<i>C3</i>
ENSRNOG00000047915	<i>AABR07051550.1</i>
ENSRNOG00000048478	<i>Kcne4</i>
ENSRNOG00000049179	<i>Pidd1</i>
ENSRNOG00000049198	<i>LOC684841</i>

ENSRNOG00000049308	<i>Sfxn2</i>
ENSRNOG00000049425	<i>Fam167b</i>
ENSRNOG00000049489	<i>LOC102552166</i>
ENSRNOG00000050061	<i>Mcart1</i>
ENSRNOG00000050552	<i>Snap23</i>
ENSRNOG00000050828	<i>Vkorc1</i>
ENSRNOG00000051181	<i>Rn50_X_0743.2</i>
ENSRNOG00000051346	<i>Rn50_X_0635.3</i>
ENSRNOG00000051482	<i>Hmg1l1</i>
ENSRNOG00000051483	<i>Sepw1</i>
ENSRNOG00000051733	<i>AABR07010502.1</i>
ENSRNOG00000051880	<i>AABR07021996.1</i>
ENSRNOG00000052119	<i>AABR07067556.1</i>
ENSRNOG00000052122	<i>Rn50_20_0056.5</i>
ENSRNOG00000052141	<i>Rps10l1</i>
ENSRNOG00000053437	<i>AC103090.1</i>
ENSRNOG00000053452	<i>LOC100361457</i>
ENSRNOG00000053891	<i>Phf11b</i>
ENSRNOG00000054251	<i>Clec7a</i>
ENSRNOG00000055020	<i>LOC679731</i>
ENSRNOG00000055025	<i>Fam25a</i>
ENSRNOG00000055050	<i>AC095267.2</i>
ENSRNOG00000055067	<i>5S_rRNA</i>
ENSRNOG00000055068	<i>Ppia14d</i>
ENSRNOG00000055160	<i>AABR07033249.1</i>
ENSRNOG00000056153	<i>Fam46b</i>
ENSRNOG00000056174	<i>Pdzd4</i>
ENSRNOG00000056342	<i>U1</i>
ENSRNOG00000056393	<i>AABR07051555.1</i>
ENSRNOG00000056765	<i>Rpl10</i>
ENSRNOG00000056767	<i>Potea</i>
ENSRNOG00000057054	<i>AABR07028907.1</i>
ENSRNOG00000057527	<i>RNase_MRP</i>
ENSRNOG00000057580	<i>AABR07049866.1</i>
ENSRNOG00000057753	<i>Nup62cl</i>
ENSRNOG00000058050	<i>Mtfr2</i>
ENSRNOG00000058389	<i>AABR07006475.1</i>
ENSRNOG00000058408	<i>AC108588.1</i>

ENSRNOG00000058589	<i>AABR07046778.1</i>
ENSRNOG00000059110	<i>AABR07068341.1</i>
ENSRNOG00000059773	<i>AABR07051218.1</i>
ENSRNOG00000059883	<i>AABR07052758.1</i>
ENSRNOG00000059911	<i>Hgsnat</i>
ENSRNOG00000059957	<i>AABR07021734.2</i>
ENSRNOG00000060187	<i>AABR07053516.2</i>
ENSRNOG00000060288	<i>LOC100365062</i>
ENSRNOG00000061056	<i>AABR07042514.3</i>
ENSRNOG00000061212	<i>AABR07071374.1</i>
ENSRNOG00000061752	<i>AABR07021199.1</i>
ENSRNOG00000061816	<i>AABR07027870.1</i>
ENSRNOG00000061821	<i>AC109891.1</i>
ENSRNOG00000061844	<i>AABR07005618.1</i>
ENSRNOG00000061943	<i>Rn60_7_1214.2</i>
