

Table S3. Upregulated DEGs between wild type and cloned piglets.

Gene symbol	GenBank accession number	Fold change	<i>P</i> -value	<i>FDR</i> correction <i>p</i> -value
<i>NR4A3</i>	NM_214247	12.83	1.11E-21	2.19E-19
<i>PTX3</i>	NM_001244783	12.68	3.60E-17	4.21E-15
<i>CITED1</i>	NM_001037964	8.04	3.11E-11	1.30E-09
<i>KLF15</i>	NM_001134349	6.71	2.04E-17	2.57E-15
<i>FOS</i>	NM_001123113	6.06	7.08E-15	5.59E-13
<i>HSPA6</i>	NM_001123127	5.80	1.44E-09	3.86E-08
<i>CSF3</i>	NM_213842	5.66	9.00E-11	3.35E-09
<i>ACTC1</i>	NM_001170517	5.44	1.15E-15	1.04E-13
<i>FBXO32</i>	NM_001044588	5.09	9.72E-11	3.53E-09
<i>GADD45A</i>	NM_001044599	5.02	1.49E-24	3.93E-22
<i>PTGS2</i>	NM_214321	4.91	5.89E-13	3.65E-11
<i>STC1</i>	NM_001103212	4.89	7.39E-35	5.84E-32
<i>MYOZ2</i>	NM_001044593	4.85	3.40E-17	4.14E-15
<i>PLAGL1</i>	NM_001044545	4.62	2.85E-09	7.19E-08
<i>MSI1</i>	NM_001315570	4.55	6.65E-10	1.95E-08
<i>SFRP2</i>	NM_001244395	4.51	4.48E-09	1.05E-07
<i>PNMT</i>	NM_001123164	4.30	4.86E-16	4.96E-14
<i>AMZ1</i>	NM_001195325	4.24	1.11E-07	1.87E-06
<i>CXCL2</i>	NM_001001861	4.15	2.13E-05	1.91E-04
<i>AWN</i>	NM_213829	4.14	8.63E-06	9.00E-05
<i>LEPR</i>	NM_001024587	4.11	1.71E-07	2.74E-06
<i>SOCS3</i>	NM_001123196	4.08	1.38E-11	6.33E-10
<i>PPARGC1A</i>	NM_213963	3.97	4.70E-06	5.36E-05
<i>BHLHE40</i>	NM_001245010	3.90	8.90E-34	5.63E-31
<i>RBP5</i>	NM_001145223	3.84	7.04E-08	1.26E-06
<i>ADORA3</i>	NM_001243435	3.80	3.70E-09	8.95E-08
<i>CCL26</i>	NM_001078665	3.79	1.00E-05	1.01E-04
<i>FKBP5</i>	NM_001315611	3.77	6.70E-31	3.53E-28
<i>SERPINE1</i>	NM_213910	3.76	6.00E-08	1.10E-06
<i>CCR7</i>	NM_001001532	3.74	1.15E-04	8.09E-04
<i>RGS2</i>	NM_001044600	3.69	9.37E-11	3.44E-09
<i>SLC5A4</i>	NM_214182	3.65	5.38E-08	1.00E-06
<i>HMOX2</i>	NM_001244412	3.58	1.12E-15	1.04E-13
<i>GPR84</i>	NM_001258301	3.51	2.03E-04	1.33E-03
<i>CATSPER4</i>	NM_001244280	3.50	1.09E-08	2.30E-07
<i>HAPLN1</i>	NM_001004028	3.47	2.90E-06	3.47E-05
<i>ULBP1</i>	NM_001004035	3.46	1.46E-06	1.84E-05
<i>GALNT15</i>	NM_001206447	3.41	1.82E-09	4.80E-08
<i>DDIT4</i>	NM_001243452	3.37	1.24E-30	5.59E-28
<i>VCAM1</i>	NM_213891	3.35	6.03E-22	1.27E-19
<i>ZFP36</i>	NM_001168419	3.32	7.07E-11	2.69E-09

<i>NNAT</i>	NM_001122990	3.32	1.89E-04	1.25E-03
<i>CYP4F55</i>	NM_001244636	3.31	8.51E-08	1.49E-06
<i>GABARAPL1</i>	NM_001190287	3.22	2.67E-25	8.43E-23
<i>SLC30A2</i>	NM_001139475	3.21	5.60E-10	1.70E-08
<i>STC2</i>	NM_001110173	3.15	2.21E-09	5.76E-08
<i>NPPC</i>	NM_001008482	3.15	5.15E-05	4.02E-04
<i>GALP</i>	NM_001348949, NM_213825	3.14	1.14E-04	8.03E-04
<i>CPA1</i>	NM_214244	3.10	9.31E-06	9.55E-05
<i>BGLAP</i>	NM_001164004	3.08	4.07E-06	4.69E-05
<i>SPP1</i>	NM_214023	3.08	9.50E-10	2.68E-08
<i>HSD17B1</i>	NM_001128472	3.06	1.60E-06	1.97E-05
<i>DLK2</i>	NM_001128466	3.05	2.59E-04	1.64E-03
<i>EIF4EBP1</i>	NM_001244225	2.99	9.16E-18	1.32E-15
<i>CBLN4</i>	NM_001123092	2.98	2.18E-05	1.94E-04
<i>FAAH</i>	NM_213914	2.88	1.20E-07	1.99E-06
<i>PTN</i>	NM_214336	2.87	4.15E-06	4.77E-05
<i>WIF1</i>	NM_001315718	2.81	6.24E-06	6.77E-05
<i>CISH</i>	NM_001315788	2.79	2.67E-12	1.41E-10
<i>ADM</i>	NM_214107	2.77	2.79E-07	4.22E-06
<i>RTL1</i>	NM_001134358	2.75	2.25E-05	2.00E-04
<i>NFKBIZ</i>	NM_001315599	2.74	7.49E-04	4.04E-03
<i>RPL37</i>	NM_001243603	2.71	1.68E-15	1.48E-13
<i>KLF14</i>	NM_001134348	2.71	3.90E-04	2.32E-03
<i>RASGEF1B</i>	NM_001195367	2.68	2.48E-13	1.67E-11
<i>CAV3</i>	NM_001037149	2.68	1.49E-05	1.41E-04
<i>MYBPH</i>	NM_001033014	2.68	3.56E-05	2.96E-04
<i>LHX8</i>	NM_001166315	2.67	8.78E-06	9.13E-05
<i>IVNS1ABP</i>	NM_001161649	2.66	2.48E-11	1.07E-09
<i>DLK1</i>	NM_001048187, NM_001126101	2.62	8.70E-08	1.51E-06
<i>HSP70.2</i>	NM_213766	2.62	1.55E-04	1.04E-03
<i>MSR1</i>	NM_001243874	2.58	1.92E-05	1.75E-04
<i>SLC11A1</i>	NM_213821	2.56	5.16E-04	2.94E-03
<i>TNF</i>	NM_214022	2.56	5.18E-03	1.98E-02
<i>MYO7A</i>	NM_001099928	2.53	6.71E-04	3.69E-03
<i>DUSP1</i>	NM_001256075	2.51	3.71E-09	8.95E-08
<i>MIR24-2</i>	NR_038538	2.49	1.98E-03	9.18E-03
<i>MYF5</i>	NM_001278775	2.45	1.41E-05	1.35E-04
<i>ITIH3</i>	NM_001206349	2.43	3.11E-05	2.64E-04
<i>LSAMP</i>	NM_001244697	2.42	7.12E-05	5.34E-04
<i>AKR1CL1</i>	NM_001038626	2.41	2.01E-02	6.08E-02
<i>F3</i>	NM_213785	2.40	2.08E-03	9.54E-03
<i>SOCS1</i>	NM_001204768	2.40	1.81E-08	3.64E-07
<i>EDN1</i>	NM_213882	2.40	5.93E-08	1.10E-06
<i>RNF39</i>	NM_001128446	2.39	3.40E-05	2.85E-04
<i>TGFBR3</i>	NM_214272	2.39	8.39E-04	4.41E-03

<i>TNC</i>	NM_214230	2.38	1.58E-03	7.50E-03
<i>LOC100514340</i>	NM_001244954	2.38	4.69E-04	2.72E-03
<i>ADAMTS1</i>	NM_001144843	2.37	4.59E-07	6.48E-06
<i>SDC4</i>	NM_214284	2.37	2.34E-05	2.06E-04
<i>SMAD7</i>	NM_001244175	2.36	2.64E-07	4.03E-06
<i>PPARA</i>	NM_001044526	2.35	5.36E-07	7.49E-06
<i>LRRC2</i>	NM_001128484	2.34	9.56E-07	1.24E-05
<i>SAT1</i>	NM_214358	2.33	2.54E-11	1.08E-09
<i>KLF4</i>	NM_001031782	2.30	6.89E-04	3.78E-03
<i>PROX1</i>	NM_001128490	2.28	4.83E-03	1.89E-02
<i>TLR5</i>	NM_001348771	2.27	5.19E-05	4.04E-04
<i>MYC</i>	NM_001005154	2.25	4.47E-05	3.58E-04
<i>TNNI3</i>	NM_001098599	2.24	4.62E-04	2.69E-03
<i>RPS29</i>	NM_001001633	2.24	2.39E-09	6.17E-08
<i>LOC100511639</i>	NM_001243872, NM_001243873	2.24	9.70E-05	6.95E-04
<i>PTGFR</i>	NM_214059	2.22	1.84E-04	1.22E-03
<i>RGCC</i>	NM_001244227	2.22	1.30E-10	4.45E-09
<i>ABCA1</i>	NM_001317080	2.21	1.50E-07	2.46E-06
<i>SLC25A36</i>	NM_001244793	2.21	4.30E-08	8.15E-07
<i>YDJC</i>	NM_001243562	2.19	3.96E-08	7.59E-07
<i>LRPAP1</i>	NM_001113436	2.19	1.53E-12	8.50E-11
<i>EDN3</i>	NM_001098582	2.19	1.27E-02	4.19E-02
<i>RPS17</i>	NM_001001634	2.19	3.11E-08	6.11E-07
<i>ACKR1</i>	NM_001244095	2.18	7.66E-04	4.10E-03
<i>XIRP1</i>	NM_001143928	2.18	2.98E-06	3.55E-05
<i>CPEB2</i>	NM_001185049	2.17	4.84E-04	2.78E-03
<i>RPL22</i>	NM_213987	2.16	8.63E-10	2.46E-08
<i>FOSL2</i>	NM_001315740	2.16	3.63E-05	3.00E-04
<i>ALB</i>	NM_001005208	2.15	1.27E-02	4.19E-02
<i>TNMD</i>	NM_001099934	2.14	2.67E-03	1.17E-02
<i>GNMT</i>	NM_001110419	2.14	6.89E-08	1.24E-06
<i>CIQTNF7</i>	NM_001143702	2.13	1.99E-05	1.81E-04
<i>ANG</i>	NM_001044573	2.13	6.48E-05	4.90E-04
<i>RAB9A</i>	NM_001244747	2.13	4.00E-11	1.60E-09
<i>ZNF217</i>	NM_001123217	2.12	6.84E-06	7.33E-05
<i>FST</i>	NM_001003662	2.12	8.06E-05	5.91E-04
<i>SGCE</i>	NM_001144124	2.11	1.81E-06	2.22E-05
<i>NFKBIA</i>	NM_001005150	2.10	4.10E-03	1.66E-02
<i>WNT4</i>	NM_001170828	2.10	2.92E-07	4.38E-06
<i>RHOF</i>	NM_001123190	2.09	2.05E-03	9.43E-03
<i>ODC1</i>	NM_001122983	2.09	2.10E-04	1.37E-03
<i>TGIF1</i>	NM_001244288, NM_001244289, NM_001244290	2.09	1.08E-24	3.11E-22
<i>HBEGF</i>	NM_214299	2.08	5.26E-03	2.01E-02
<i>DES</i>	NM_001001535	2.08	2.12E-07	3.32E-06

<i>KLF10</i>	NM_001134344	2.07	1.07E-07	1.84E-06
<i>NDUFA4L2</i>	NM_001205377	2.06	5.56E-03	2.10E-02
<i>POLD2</i>	NM_001244996	2.05	2.47E-07	3.80E-06
<i>JAML</i>	NM_001244730	2.05	4.03E-03	1.64E-02
<i>IGF1R</i>	NM_214172	2.04	1.57E-06	1.95E-05
<i>EIF2C3</i>	NM_001194974	2.01	3.08E-09	7.72E-08
<i>CLK1</i>	NM_001123099	2.01	5.94E-06	6.51E-05
<i>RPS18</i>	NM_213940	2.01	7.74E-05	5.74E-04
<i>DMP1</i>	NM_001129953	2.01	1.30E-05	1.26E-04