**Supplementary Table 1.** Genes with DCM-associated mutations.

<table>
<thead>
<tr>
<th>Gene</th>
<th>Coding Protein</th>
<th>Gene</th>
<th>Coding Protein</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABCC9</td>
<td>K-ATP channel</td>
<td>MYBPC3</td>
<td>Cardiac myosin binding protein-C</td>
</tr>
<tr>
<td>ACTC1</td>
<td>Cardiac α-actin</td>
<td>MYPN</td>
<td>Myopalladin</td>
</tr>
<tr>
<td>ACTN2</td>
<td>α-actinin-2</td>
<td>PLN</td>
<td>Phospholamban</td>
</tr>
<tr>
<td>CRYAB</td>
<td>αB crystalline</td>
<td>JUP</td>
<td>Plakoglobin</td>
</tr>
<tr>
<td>LDB3</td>
<td>Cypher</td>
<td>RYR2</td>
<td>Cardiac ryanodine receptor 2</td>
</tr>
<tr>
<td>DES</td>
<td>Desmin</td>
<td>SGCD</td>
<td>Sarcoglycan</td>
</tr>
<tr>
<td>DSP</td>
<td>Desmoplakin</td>
<td>SCN5A</td>
<td>Cardiac Na Channel</td>
</tr>
<tr>
<td>DMD</td>
<td>Dystrophin</td>
<td>TAZ</td>
<td>Tafazzin</td>
</tr>
<tr>
<td>EMD</td>
<td>Emerin</td>
<td>TCAP</td>
<td>Telethonin</td>
</tr>
<tr>
<td>FHL2</td>
<td>Four-and-a-half LIM protein-2</td>
<td>TMPO</td>
<td>Thymopoietin</td>
</tr>
<tr>
<td>FKTN</td>
<td>Fukutin</td>
<td>TNNC1</td>
<td>Cardiac troponin C</td>
</tr>
<tr>
<td>LMNA</td>
<td>Lamin a/c</td>
<td>TNNI3</td>
<td>Cardiac troponin I</td>
</tr>
<tr>
<td>LMNA4</td>
<td>Laminin α4</td>
<td>TNNT2</td>
<td>Cardiac troponin T</td>
</tr>
<tr>
<td>VCL</td>
<td>Metavinculin</td>
<td>TPM1</td>
<td>α-Tropomyosin</td>
</tr>
<tr>
<td>CSRP3</td>
<td>Muscle LIM protein, MLP</td>
<td>TTN</td>
<td>Titin</td>
</tr>
<tr>
<td>MYH7</td>
<td>Cardiac β-myosin heavy chain</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Probe ID</td>
<td>Gene ID</td>
<td>Log(2) ratio CKO vs WT</td>
<td></td>
</tr>
<tr>
<td>-----------------------------</td>
<td>---------</td>
<td>------------------------</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P242399</td>
<td>Krt2-8</td>
<td>3.847</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_52.P470466</td>
<td>D3Bwg0562e</td>
<td>4.176</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P350294</td>
<td>Scl9a3</td>
<td>2.908</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P370470</td>
<td>Cds1</td>
<td>2.45</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P479696</td>
<td>2310043K02Rik</td>
<td>2.644</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P259029</td>
<td>D3Bwg0562e</td>
<td>2.547</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P492528</td>
<td>9330187M14Rik</td>
<td>3.382</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P204387</td>
<td>1810019J16Rik</td>
<td>2.967</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P142258</td>
<td>Slc15a2</td>
<td>2.53</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_52.P426605</td>
<td>Gm1631</td>
<td>3.787</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_52.P214770</td>
<td>4933409K03Rik</td>
<td>2.533</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P491648</td>
<td>Vgg12</td>
<td>2.557</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P230347</td>
<td>Srrp</td>
<td>2.73</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P242400</td>
<td>Krt2-8</td>
<td>2.767</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P470935</td>
<td>Dhrs6</td>
<td>2.467</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P494342</td>
<td>LOC406217</td>
<td>1.974</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P131315</td>
<td>Serpina9</td>
<td>1.582</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_52.P1034723</td>
<td>Tceal7</td>
<td>2.984</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P330245</td>
<td>A430065P19Rik</td>
<td>4.268</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_52.P640922</td>
<td>Glrb</td>
<td>2.922</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P250797</td>
<td>9230112J17Rik</td>
<td>2.14</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P487913</td>
<td>Tac1</td>
<td>2.883</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P298053</td>
<td>9330161F08Rik</td>
<td>2.701</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P216456</td>
<td>Raet1c</td>
<td>2.246</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P200517</td>
<td>Crb3</td>
<td>2.128</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P10063</td>
<td>9330161F08Rik</td>
<td>2.701</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P328089</td>
<td>4922503N01Rik</td>
<td>1.88</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P339055</td>
<td>Uchl1</td>
<td>2.117</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_52.P420369</td>
<td>4930447C04Rik</td>
<td><a href="http://genome-www4.stanford.edu/cg">http://genome-www4.stanford.edu/cg</a></td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_52.P195809</td>
<td>Dhrs6</td>
<td>2.334</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P436839</td>
<td>Lisch7</td>
<td>2.305</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P342126</td>
<td>4922503N01Rik</td>
<td>1.88</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P475049</td>
<td>Uhcl1</td>
<td>2.117</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P392303</td>
<td>Lrrn3</td>
<td>2.033</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_52.P101399</td>
<td>C130036G08</td>
<td>2.536</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P282616</td>
<td>Tbx15</td>
<td>2.228</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P169659</td>
<td>Hrasls</td>
<td>1.683</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P325862</td>
<td>Bdh</td>
<td>2.395</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P163106</td>
<td>C80638</td>
<td>2.637</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P421538</td>
<td>1700008P20Rik</td>
<td>1.99</td>
<td></td>
</tr>
<tr>
<td>AGI.MM.OLIGO.A_51.P128075</td>
<td></td>
<td>2.181</td>
<td></td>
</tr>
<tr>
<td>Gene ID</td>
<td>Symbol</td>
<td>Value</td>
<td></td>
</tr>
<tr>
<td>-----------------</td>
<td>--------</td>
<td>-------</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P327402</td>
<td>Cds1</td>
<td>2.094</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P560889</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P424532</td>
<td>Vnn1</td>
<td>2.558</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P477121</td>
<td>Pmaip1</td>
<td>3.023</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P170795</td>
<td>Wdr40b</td>
<td>1.764</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P333669</td>
<td>Hrasls</td>
<td>1.576</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P662944</td>
<td>4930540L03Rik</td>
<td>3.118</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P183261</td>
<td>Aqp8</td>
<td>1.98</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P483544</td>
<td>Aass</td>
<td>2.953</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P144160</td>
<td>LOC239447</td>
<td>2.219</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P434570</td>
<td>1110001K21Rik</td>
<td>1.441</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P987201</td>
<td></td>
<td>1.866</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P351923</td>
<td>A030009H04Rik</td>
<td>1.622</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P447284</td>
<td>Clic6</td>
<td>3.536</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P496133</td>
<td>Spats1</td>
<td>1.41</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P322301</td>
<td>9530027K23Rik</td>
<td>2.445</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P484158</td>
<td>Steap</td>
<td>1.519</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P650180</td>
<td>9330161F08Rik</td>
<td>2.8</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P126070</td>
<td></td>
<td>0.906</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P128229</td>
<td></td>
<td>2.166</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P265173</td>
<td>Fbxo27</td>
<td>1.819</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P490215</td>
<td>Nudt11</td>
<td>1.155</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P246854</td>
<td>Acta1</td>
<td>2.982</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P556099</td>
<td>5730547N13Rik</td>
<td>1.293</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P145220</td>
<td>Nef3</td>
<td>3.06</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P49457</td>
<td></td>
<td>2.355</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P48218</td>
<td>Tdrd1</td>
<td>1.437</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P592749</td>
<td>BC066223</td>
<td>1.444</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P232802</td>
<td>Tbx15</td>
<td>3.126</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P227679</td>
<td>C030002O17Rik</td>
<td>2.608</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P193743</td>
<td>D230007K08Rik</td>
<td>1.427</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P341543</td>
<td>Defb7</td>
<td>2.507</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P220422</td>
<td>Pacsin1</td>
<td>2.641</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P196113</td>
<td>Mast1</td>
<td>1.745</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P49378</td>
<td></td>
<td>2.16</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P147284</td>
<td>9630044O09Rik</td>
<td>1.235</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P296670</td>
<td>Rab11b</td>
<td>1.74</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P368883</td>
<td>Gm1382</td>
<td>1.584</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P153132</td>
<td>Kcne2</td>
<td>1.95</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P214470</td>
<td>2610019F03Rik</td>
<td>1.639</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P231557</td>
<td>7530428D23Rik</td>
<td>3.405</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P224530</td>
<td>Nrip3</td>
<td>1.717</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P325318</td>
<td>Tde2l</td>
<td>1.33</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P430462</td>
<td>Alox15b</td>
<td>1.838</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P237668</td>
<td>Bex2</td>
<td>2.591</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P153063</td>
<td></td>
<td>2.16</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P490323</td>
<td>Pzp</td>
<td>2.149</td>
<td></td>
</tr>
<tr>
<td>Gene</td>
<td>Fold Change</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>-------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cart</td>
<td><a href="http://genome-www4.stanford.edu/cg">http://genome-www4.stanford.edu/cg</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mell1</td>
<td>1.686</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6530401D17Rik</td>
<td>2.446</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nudt11</td>
<td>1.343</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ptgfr</td>
<td>2.479</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aard</td>
<td>1.201</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ube2g2</td>
<td>2.242</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mal2</td>
<td>3.047</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trim16</td>
<td>1.225</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zcchc12</td>
<td>1.953</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Raet1c</td>
<td>1.524</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spink4</td>
<td>1.966</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0610011104Rik</td>
<td><a href="http://genome-www4.stanford.edu/cg">http://genome-www4.stanford.edu/cg</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ttyh1</td>
<td>2.384</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nppb</td>
<td>0.624</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jub</td>
<td>1.446</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gstm6</td>
<td>2.409</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gtpbp3</td>
<td>1.63</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Atp6v1c1</td>
<td><a href="http://genome-www4.stanford.edu/cg">http://genome-www4.stanford.edu/cg</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sftpc</td>
<td>2.931</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prdm8</td>
<td>2.695</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rgn</td>
<td>1.669</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9330188P03Rik</td>
<td>1.312</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rab9b</td>
<td>2.306</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D830007B15Rik</td>
<td>3.449</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6030405A18</td>
<td>1.485</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spin2</td>
<td>1.859</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tram111</td>
<td>1.72</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hrasls</td>
<td>1.976</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scl18a1</td>
<td>1.302</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A030007L17Rik</td>
<td>1.25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cdc25c</td>
<td>1.029</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2900019M05Rik</td>
<td>1.38</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mgst1</td>
<td>1.722</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Egr2</td>
<td>1.76</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C030022K24Rik</td>
<td>1.631</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1700110M21Rik</td>
<td>2.174</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sult4a1</td>
<td>2.017</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9030611O19Rik</td>
<td><a href="http://genome-www4.stanford.edu/cg">http://genome-www4.stanford.edu/cg</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Defb3</td>
<td>1.468</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9430023B20Rik</td>
<td>2.155</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Neu2</td>
<td>0.999</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AA408278</td>
<td>1.719</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6530401D17Rik</td>
<td>1.921</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P310066</td>
<td>Calm3</td>
<td><a href="http://genome-www4.stanford.edu/cg">http://genome-www4.stanford.edu/cg</a></td>
<td></td>
</tr>
<tr>
<td>---------------------------</td>
<td>-------</td>
<td>-------------------------------------</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P1157979</td>
<td>Tsga2</td>
<td>0.923</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P253227</td>
<td>Fbxo16</td>
<td>0.909</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P483928</td>
<td>Cpsf4</td>
<td>0.981</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P284889</td>
<td>Prkcz</td>
<td>1.506</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P256766</td>
<td>Raet1c</td>
<td>1.22</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P119771</td>
<td>Il17re</td>
<td>1.47</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P159171</td>
<td>Irak2</td>
<td>1.661</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P62444</td>
<td>Syn2</td>
<td>1.926</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P325904</td>
<td>4930430F08Rik</td>
<td>0.803</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P498287</td>
<td>Otoa</td>
<td>1.271</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P122321</td>
<td>9230117N10Rik</td>
<td>2.07</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P117601</td>
<td>Defb19</td>
<td>2.158</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P374878</td>
<td>D330045A20Rik</td>
<td>1.517</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P480190</td>
<td>4930540L03Rik</td>
<td>2.769</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P455157</td>
<td>Mybpc2</td>
<td>2.048</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P511634</td>
<td>Al317237</td>
<td>0.938</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P125523</td>
<td>1190003J15Rik</td>
<td>1.098</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P372550</td>
<td>Cgref1</td>
<td>2.614</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P119670</td>
<td>Gcnt1</td>
<td>2.274</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P206965</td>
<td>Mg29</td>
<td>2.006</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P281941</td>
<td>Zdhhc2</td>
<td>1.221</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P135379</td>
<td>Tceal8</td>
<td>1.358</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P171692</td>
<td>1190003J15Rik</td>
<td>1.098</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P246317</td>
<td>Mt2</td>
<td>1.649</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P367554</td>
<td>1700110M21Rik</td>
<td><a href="http://genome-www4.stanford.edu/cg">http://genome-www4.stanford.edu/cg</a></td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P329722</td>
<td>5430419D17Rik</td>
<td>1.672</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P533707</td>
<td>Chrna1</td>
<td>1.779</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P395948</td>
<td>Sv2b</td>
<td><a href="http://genome-www4.stanford.edu/cg">http://genome-www4.stanford.edu/cg</a></td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P227137</td>
<td>Gcnt1</td>
<td>1.999</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P336070</td>
<td>Lctl</td>
<td>2.005</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P300806</td>
<td>Tlr4</td>
<td>0.65</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P188046</td>
<td>Dncic1</td>
<td>2.147</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P101487</td>
<td>4933409K03Rik</td>
<td><a href="http://genome-www4.stanford.edu/cg">http://genome-www4.stanford.edu/cg</a></td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P334188</td>
<td>Sfn</td>
<td>0.885</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P234140</td>
<td>D17Ertd441e</td>
<td>1.065</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P214772</td>
<td>Cdkl1</td>
<td>1.305</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P214772</td>
<td>4933409K03Rik</td>
<td>2.458</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P36315</td>
<td>Eya1</td>
<td>2.072</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P483438</td>
<td>Sema3e</td>
<td>1.677</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P578634</td>
<td>Ela1</td>
<td>2.475</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P174943</td>
<td>Lamlc2</td>
<td>1.461</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P211880</td>
<td>1.066</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P423666</td>
<td>Fbxo17</td>
<td>1.486</td>
<td></td>
</tr>
<tr>
<td>Gene Symbol</td>
<td>Description</td>
<td>Fold Change</td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
<td>-------------</td>
<td></td>
</tr>
<tr>
<td>Pdcl</td>
<td></td>
<td>0.75</td>
<td></td>
</tr>
<tr>
<td>Igfbp2</td>
<td></td>
<td>2.053</td>
<td></td>
</tr>
<tr>
<td>Ptgds</td>
<td></td>
<td>1.178</td>
<td></td>
</tr>
<tr>
<td>Zpbp2</td>
<td></td>
<td>1.107</td>
<td></td>
</tr>
<tr>
<td>Anln</td>
<td></td>
<td>0.646</td>
<td></td>
</tr>
<tr>
<td>061001104Rik</td>
<td></td>
<td>1.038</td>
<td></td>
</tr>
<tr>
<td>Lnx1</td>
<td></td>
<td>1.198</td>
<td></td>
</tr>
<tr>
<td>Kctd5</td>
<td></td>
<td>1.163</td>
<td></td>
</tr>
<tr>
<td>Rnf13</td>
<td></td>
<td>1.075</td>
<td></td>
</tr>
<tr>
<td>Kcne1l</td>
<td></td>
<td>1.33</td>
<td></td>
</tr>
<tr>
<td>Gabra1</td>
<td></td>
<td>2.085</td>
<td></td>
</tr>
<tr>
<td>5730457F11Rik</td>
<td></td>
<td>1.146</td>
<td></td>
</tr>
<tr>
<td>Prkcz</td>
<td></td>
<td>1.518</td>
<td></td>
</tr>
<tr>
<td>Arpp21</td>
<td></td>
<td>1.314</td>
<td></td>
</tr>
<tr>
<td>Npn3</td>
<td></td>
<td>1.536</td>
<td></td>
</tr>
<tr>
<td>5730507H05Rik</td>
<td></td>
<td>1.15</td>
<td></td>
</tr>
<tr>
<td>1700125D06Rik</td>
<td></td>
<td>1.514</td>
<td></td>
</tr>
<tr>
<td>9530020007Rik</td>
<td></td>
<td>1.923</td>
<td></td>
</tr>
<tr>
<td>Ap1g1</td>
<td></td>
<td>1.081</td>
<td></td>
</tr>
<tr>
<td>Gabra4</td>
<td></td>
<td>1.039</td>
<td></td>
</tr>
<tr>
<td>1700029I01Rik</td>
<td></td>
<td>3.402</td>
<td></td>
</tr>
<tr>
<td>Pak3</td>
<td></td>
<td>1.727</td>
<td></td>
</tr>
<tr>
<td>Rab11fp1</td>
<td></td>
<td>1.926</td>
<td></td>
</tr>
<tr>
<td>A830093I24Rik</td>
<td></td>
<td>1.1</td>
<td></td>
</tr>
<tr>
<td>Myl1</td>
<td></td>
<td>2.265</td>
<td></td>
</tr>
<tr>
<td>Kif3</td>
<td></td>
<td>1.005</td>
<td></td>
</tr>
<tr>
<td>B3galts3</td>
<td></td>
<td>1.868</td>
<td></td>
</tr>
<tr>
<td>Dnase2a</td>
<td></td>
<td>0.928</td>
<td></td>
</tr>
<tr>
<td>5730599I05Rik</td>
<td></td>
<td>1.092</td>
<td></td>
</tr>
<tr>
<td>Fkbp6</td>
<td></td>
<td>2.027</td>
<td></td>
</tr>
<tr>
<td>Slc2a3</td>
<td></td>
<td>1.385</td>
<td></td>
</tr>
<tr>
<td>Pdgfc</td>
<td></td>
<td>1.809</td>
<td></td>
</tr>
<tr>
<td>Abhd5</td>
<td></td>
<td>0.572</td>
<td></td>
</tr>
<tr>
<td>Amhr2</td>
<td></td>
<td>1.894</td>
<td></td>
</tr>
<tr>
<td>3632451O06Rik</td>
<td></td>
<td>1.554</td>
<td></td>
</tr>
<tr>
<td>Pnpt1</td>
<td></td>
<td>1.499</td>
<td></td>
</tr>
</tbody>
</table>
Rab15 1.46
S330411L03Rik 1.975
Sprr1a 1.404
5330411L03Rik 1.59
http://genome-www4.stanford.edu/cg
1.975
1.46
<table>
<thead>
<tr>
<th>Gene Name</th>
<th>Log2 Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cpox</td>
<td>1.269</td>
</tr>
<tr>
<td>Kcns3</td>
<td>4.613</td>
</tr>
<tr>
<td>Dhx37</td>
<td>0.491</td>
</tr>
<tr>
<td>Rap2ip</td>
<td>0.475</td>
</tr>
<tr>
<td>Bcas3</td>
<td>1.698</td>
</tr>
<tr>
<td>1700086L19Rik</td>
<td>1.312</td>
</tr>
<tr>
<td>Sod3</td>
<td>0.602</td>
</tr>
<tr>
<td>0.77</td>
<td></td>
</tr>
<tr>
<td>B230317C12Rik</td>
<td>1.22</td>
</tr>
<tr>
<td>Cdkn2b</td>
<td>2.604</td>
</tr>
<tr>
<td>Rad1</td>
<td>1.761</td>
</tr>
<tr>
<td>Krt1-18</td>
<td>3.463</td>
</tr>
<tr>
<td>AW125753</td>
<td>1.342</td>
</tr>
<tr>
<td>Pafah1b3</td>
<td>1.26</td>
</tr>
<tr>
<td>Pcbd</td>
<td>1.791</td>
</tr>
<tr>
<td>BC048355</td>
<td>1.024</td>
</tr>
<tr>
<td>Ptgcr3</td>
<td>1.522</td>
</tr>
<tr>
<td>Myl1</td>
<td>2.702</td>
</tr>
<tr>
<td>C86987</td>
<td>1.685</td>
</tr>
<tr>
<td>1600029D21Rik</td>
<td>1.186</td>
</tr>
<tr>
<td>Mogat1</td>
<td>1.674</td>
</tr>
<tr>
<td>4930469P12Rik</td>
<td>0.709</td>
</tr>
<tr>
<td>Map17</td>
<td>2.07</td>
</tr>
<tr>
<td>Slc25a15</td>
<td>0.789</td>
</tr>
<tr>
<td>Psat1</td>
<td>1.761</td>
</tr>
<tr>
<td>Farsla</td>
<td>1.096</td>
</tr>
<tr>
<td>1.21</td>
<td></td>
</tr>
<tr>
<td>2010107G23Rik</td>
<td>1.272</td>
</tr>
<tr>
<td>E130006D01Rik</td>
<td>2.266</td>
</tr>
<tr>
<td>MGCS58177</td>
<td><a href="http://genome-www4.stanford.edu/cg">http://genome-www4.stanford.edu/cg</a></td>
</tr>
<tr>
<td>Car8</td>
<td>1.262</td>
</tr>
<tr>
<td>Lrrq2</td>
<td>1.034</td>
</tr>
<tr>
<td>0.781</td>
<td></td>
</tr>
<tr>
<td>Helt</td>
<td>2.399</td>
</tr>
<tr>
<td>Cdkl2</td>
<td>0.803</td>
</tr>
<tr>
<td>Abcb4</td>
<td>0.808</td>
</tr>
<tr>
<td>Gcnt1</td>
<td>2.078</td>
</tr>
<tr>
<td>Reprimo</td>
<td>3.195</td>
</tr>
<tr>
<td>2210010C17Rik</td>
<td>1.008</td>
</tr>
<tr>
<td>Fos</td>
<td>1.28</td>
</tr>
<tr>
<td>Col11a1</td>
<td>1.333</td>
</tr>
<tr>
<td>Thrsp</td>
<td>0.805</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P189772</td>
<td>Al595338</td>
</tr>
<tr>
<td>---------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P411716</td>
<td>Polh</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P86935</td>
<td>Mocos</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P876147</td>
<td>E030010N08Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P657324</td>
<td>Rnf32</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P233279</td>
<td>A930041G11Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P184006</td>
<td>Cpxm2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P113806</td>
<td>Gpr85</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P386584</td>
<td>1700122C07Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P186741</td>
<td>Sh3bg1l</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P496870</td>
<td>2310011J03Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P496403</td>
<td>1700001O22Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P577329</td>
<td>4933409I22</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P410576</td>
<td>Cd1d2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P18765</td>
<td>Fxyd6</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P490247</td>
<td>Pes1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P501840</td>
<td>Bzrp</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P112017</td>
<td>Pfn2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P193379</td>
<td>Dck</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P354202</td>
<td>Rapgef4</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P21724</td>
<td>Nkx6-2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P218335</td>
<td>Tbx1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P108990</td>
<td>Cetn4</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P479818</td>
<td>Nap1l2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P602719</td>
<td>Dck</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P425839</td>
<td>Retnlg</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P547612</td>
<td>Tmem30b</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P389479</td>
<td>1190003J15Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P352738</td>
<td>Mpv17l</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P541752</td>
<td>Ddit4l</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P191262</td>
<td>2300003C06Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P516637</td>
<td>Bmp5</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P385546</td>
<td>C1ql3</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P387769</td>
<td>1.328</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P261991</td>
<td>Bdnf</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P441898</td>
<td>4631426H08Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P305140</td>
<td>Gsta1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P298802</td>
<td>Bfsp2</td>
</tr>
<tr>
<td>Gene Symbol</td>
<td>Description</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
</tr>
<tr>
<td>Casq1</td>
<td></td>
</tr>
<tr>
<td>Tank</td>
<td></td>
</tr>
<tr>
<td>Cdc45</td>
<td></td>
</tr>
<tr>
<td>1500009L16Rik</td>
<td></td>
</tr>
<tr>
<td>BC037135</td>
<td></td>
</tr>
<tr>
<td>Pclo</td>
<td></td>
</tr>
<tr>
<td>D14Ertd500e</td>
<td></td>
</tr>
<tr>
<td>4930502E18Rik</td>
<td></td>
</tr>
<tr>
<td>Twist2</td>
<td></td>
</tr>
<tr>
<td>6430702L12</td>
<td></td>
</tr>
<tr>
<td>0610040J01Rik</td>
<td></td>
</tr>
<tr>
<td>Btc</td>
<td></td>
</tr>
<tr>
<td>Rnase1</td>
<td></td>
</tr>
<tr>
<td>Emid2</td>
<td></td>
</tr>
<tr>
<td>4831416G18Rik</td>
<td></td>
</tr>
<tr>
<td>1.039</td>
<td></td>
</tr>
<tr>
<td>Al847670</td>
<td></td>
</tr>
<tr>
<td>Atpaf1</td>
<td></td>
</tr>
<tr>
<td>Arml2bp</td>
<td></td>
</tr>
<tr>
<td>0.648</td>
<td></td>
</tr>
<tr>
<td>Msi31</td>
<td></td>
</tr>
<tr>
<td>Itga11</td>
<td></td>
</tr>
<tr>
<td>Itpa</td>
<td></td>
</tr>
<tr>
<td>1700020F09Rik</td>
<td></td>
</tr>
<tr>
<td>Atpaf1</td>
<td></td>
</tr>
<tr>
<td>AW125753</td>
<td></td>
</tr>
<tr>
<td>Calcb</td>
<td></td>
</tr>
<tr>
<td>Dapp1</td>
<td></td>
</tr>
<tr>
<td>Fgl1</td>
<td></td>
</tr>
<tr>
<td>Nppb</td>
<td></td>
</tr>
<tr>
<td>Zfp286</td>
<td></td>
</tr>
<tr>
<td>Plk4</td>
<td></td>
</tr>
<tr>
<td>Npn3</td>
<td></td>
</tr>
<tr>
<td>Rhou</td>
<td></td>
</tr>
<tr>
<td>D330028D13Rik</td>
<td></td>
</tr>
<tr>
<td>Arhgap24</td>
<td></td>
</tr>
<tr>
<td>Ocln</td>
<td></td>
</tr>
<tr>
<td>0.737</td>
<td></td>
</tr>
<tr>
<td>Armc3</td>
<td></td>
</tr>
<tr>
<td>Cd38</td>
<td></td>
</tr>
<tr>
<td>2610528H13Rik</td>
<td></td>
</tr>
<tr>
<td>D230007K08Rik</td>
<td></td>
</tr>
<tr>
<td>Atpaf1</td>
<td></td>
</tr>
<tr>
<td>Oligo ID</td>
<td>Gene Symbol</td>
</tr>
<tr>
<td>------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P259975</td>
<td>Aspa</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P329443</td>
<td>Lix1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P516148</td>
<td>Trpc4</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P232935</td>
<td>2010107G23Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P122035</td>
<td>Nipa1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P476454</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P408649</td>
<td>9430059P22Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P474089</td>
<td>Capn6</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P265778</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P487156</td>
<td>1700029I01Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P412109</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P206861</td>
<td>Klf8</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P363039</td>
<td>Brrn1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P184508</td>
<td>Speer5-ps1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P179664</td>
<td>Gstt1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P97699</td>
<td>D430019H16Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P476731</td>
<td>9030611O19Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P596595</td>
<td>Pnma2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P312952</td>
<td>2410004F06Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P555664</td>
<td>B3gnt5</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P185763</td>
<td>Tscot</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P4995945</td>
<td>6230499E13Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P185693</td>
<td>Scl2a2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P190270</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P373142</td>
<td>Al854703</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P494744</td>
<td>Grip1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P440962</td>
<td>Hrpt2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P521054</td>
<td>Serpinb8</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P429372</td>
<td>2700075B01Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P181751</td>
<td>4930488E11Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P536796</td>
<td>Ptgds2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P24308</td>
<td>Uchl1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P229359</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P616425</td>
<td>Scn10a</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P336827</td>
<td>1810044O22Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P388224</td>
<td>Hist1h2bk</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P182358</td>
<td>Hist1h2bk</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P261496</td>
<td>Gabpb1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P30632</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P179309</td>
<td>Gria3</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P684037</td>
<td>Ncam1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P451428</td>
<td>Marveld2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P549827</td>
<td>Mgst1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P621588</td>
<td>Il28ra</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P250555</td>
<td>Dnclc1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P408729</td>
<td>Phgdh</td>
</tr>
<tr>
<td>Oligo</td>
<td>Gene</td>
</tr>
<tr>
<td>-------</td>
<td>--------</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P303274</td>
<td>Dspg3</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P371001</td>
<td>Tm4sf4</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P154753</td>
<td>Klc3</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P566030</td>
<td>Polr3k</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P408732</td>
<td>Phgdh</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P355172</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P428679</td>
<td>Tdrkh</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P240470</td>
<td>BC002199</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P205572</td>
<td>Sumo3</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P558751</td>
<td>Rp2h</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P651987</td>
<td>Ypel1</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P241426</td>
<td>Gfra4</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P675072</td>
<td>Adrm1</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P195955</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P354844</td>
<td>Eda2r</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P679434</td>
<td>Set7</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P85805</td>
<td>Wnt5b</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P335478</td>
<td>Pole4</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P686785</td>
<td>Xlk1</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P381086</td>
<td>B930041F14Rik</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P597634</td>
<td>Fzd1</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P219970</td>
<td>Ela1</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P150620</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P220343</td>
<td>Wisp1</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P120803</td>
<td>Ankrd1</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P336599</td>
<td>Kcne3</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P535084</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P518076</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P315887</td>
<td>D830013H12</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P306031</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P308542</td>
<td>Ywhaq</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P732529</td>
<td>Taf9</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P112223</td>
<td>Gsta4</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P685445</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P487623</td>
<td>Slmap</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P178470</td>
<td>Ndrg4</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P181891</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P361208</td>
<td>4933428M03Rik</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P437696</td>
<td>Mrp63</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P168219</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P300506</td>
<td>Cox6b2</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P114817</td>
<td>Ccna1</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P459350</td>
<td>Dstn</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P338664</td>
<td>Hist3h2ba</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P390314</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P365970</td>
<td>BC066028</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P469220</td>
<td>Fbxl2</td>
</tr>
<tr>
<td>Probe ID</td>
<td>Gene ID</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P545831</td>
<td>Tssc1</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P34806</td>
<td>Kpna3</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P168505</td>
<td>Zdhhc21</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P32402</td>
<td>Slc31a2</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P21459</td>
<td>1810009M01Rik</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P327700</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P369562</td>
<td>Pstpip2</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P280401</td>
<td>Tcta</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P276418</td>
<td>Rab6b</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P322389</td>
<td>Strn4</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P104241</td>
<td>Zfp185</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P228658</td>
<td>Isyna1</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P426229</td>
<td>1810043M15Rik</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P432380</td>
<td>Appl1</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P248013</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P305537</td>
<td>Siat5</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P328817</td>
<td>6330514A18Rik</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P420504</td>
<td>Acta2</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P504268</td>
<td>B3galt3</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P479099</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P203800</td>
<td>B230312A22Rik</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P248862</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P429903</td>
<td>Ndph</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P378934</td>
<td>2510048L02Rik</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P10664</td>
<td>3830405G04Rik</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P128834</td>
<td>Vsig4</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P496253</td>
<td>Scl6a4</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P577388</td>
<td>AU040950</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P237512</td>
<td>1110001A07Rik</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P117385</td>
<td>Scl26a7</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P389863</td>
<td>4632404H12Rik</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P432919</td>
<td>Rab3d</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P467900</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P479434</td>
<td>Rfc3</td>
</tr>
</tbody>
</table>

**Down-regulated Genes**

<table>
<thead>
<tr>
<th>Probe ID</th>
<th>Gene ID</th>
<th>Log(2) ratio CKO vs WT</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGI_MM_OLIGO_A_52_P1091593</td>
<td>Fign</td>
<td>-3.224</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P582440</td>
<td>A930025H08Rik</td>
<td>-2.588</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P639377</td>
<td>Cept1</td>
<td>-1.452</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P315719</td>
<td>Gpr22</td>
<td>-4.186</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P272735</td>
<td></td>
<td>-1.236</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P916030</td>
<td>Pam</td>
<td>-2.207</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P145453</td>
<td>Xist</td>
<td>-2.871</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P446112</td>
<td></td>
<td>-1.657</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P299358</td>
<td>Al181996</td>
<td>-1.818</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P365344</td>
<td>-1.98</td>
<td></td>
</tr>
<tr>
<td>-----------------------------</td>
<td>-------</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P475654</td>
<td>Cacna1c</td>
<td>-2.066</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P212284</td>
<td>Paip1</td>
<td>-1.692</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P398279</td>
<td>6330505F04Rik</td>
<td>-2.702</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P119016</td>
<td>Usp36</td>
<td>-1.902</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P269595</td>
<td>Ube2i</td>
<td>-1.702</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P403586</td>
<td>Ttn</td>
<td>-2.994</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P249259</td>
<td></td>
<td>-1.639</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P161365</td>
<td>Clock</td>
<td>-1.725</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P419027</td>
<td>4732457N14</td>
<td>-1.77</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P287338</td>
<td>Eif4e3</td>
<td>-1.377</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P153804</td>
<td>2810055G20Rik</td>
<td>-1.875</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P114693</td>
<td>9130213B05Rik</td>
<td>-1.532</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P366277</td>
<td>Noi8</td>
<td>-1.769</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P368021</td>
<td>Cpsf6</td>
<td>-1.936</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P356552</td>
<td>Dach1</td>
<td>-1.288</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P116249</td>
<td>Zfp91</td>
<td>-1.487</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P120990</td>
<td></td>
<td>-2.831</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P250934</td>
<td>Hsd17b7</td>
<td>-2.514</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P852077</td>
<td>Mpp6</td>
<td>-1.418</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P1011967</td>
<td></td>
<td>-1.57</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P320822</td>
<td>Sfrs10</td>
<td>-2.134</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P483885</td>
<td>4930455C21Rik</td>
<td>-1.405</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P521163</td>
<td>Zfp644</td>
<td>-1.299</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P362360</td>
<td>Xist</td>
<td>-2.755</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P263800</td>
<td>Ifi203</td>
<td>-1.464</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P212334</td>
<td>Qk</td>
<td>-1.926</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P177988</td>
<td></td>
<td>-1.286</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P474538</td>
<td>A330103N21Rik</td>
<td>-1.501</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P67794</td>
<td>Sh3d1B</td>
<td>-1.747</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P149766</td>
<td>Myo1e</td>
<td>-1.575</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P189043</td>
<td>Grm1</td>
<td>-1.211</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P328725</td>
<td>Snf1lk</td>
<td>-1.594</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P279990</td>
<td>Jarid1b</td>
<td>-1.216</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P134762</td>
<td></td>
<td>-2.093</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P366313</td>
<td>Ppp1r12b</td>
<td>-0.724</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P317166</td>
<td>1810007M14Rik</td>
<td>-1.848</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P295175</td>
<td></td>
<td>-1.385</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P138502</td>
<td>Al428795</td>
<td>-1.435</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P876257</td>
<td>Stx8</td>
<td>-0.687</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P979897</td>
<td>Gnaq</td>
<td>-1.123</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P82209</td>
<td>Prkwnk1</td>
<td>-1.652</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P193475</td>
<td>A430106J12Rik</td>
<td>-1.714</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P628702</td>
<td>Ctn2</td>
<td>-2.254</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P502608</td>
<td>Wwrtr1</td>
<td>-1.754</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P269434</td>
<td>Rab14</td>
<td>-1.4</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P558631</td>
<td>6720456H20Rik</td>
<td>-1.792</td>
</tr>
<tr>
<td>Gene Name</td>
<td>Description</td>
<td>Fold Change</td>
</tr>
<tr>
<td>-----------</td>
<td>-------------</td>
<td>-------------</td>
</tr>
<tr>
<td>Slc16a1</td>
<td></td>
<td>-1.813</td>
</tr>
<tr>
<td>Rnlp2</td>
<td></td>
<td>-1.461</td>
</tr>
<tr>
<td>Homer1</td>
<td></td>
<td>-1.682</td>
</tr>
<tr>
<td>Aqp4</td>
<td></td>
<td>-1.771</td>
</tr>
<tr>
<td>Ube3a</td>
<td></td>
<td>-1.507</td>
</tr>
<tr>
<td>Gata6</td>
<td></td>
<td>-1.436</td>
</tr>
<tr>
<td>Nrp1</td>
<td></td>
<td>-1.563</td>
</tr>
<tr>
<td>P315022</td>
<td></td>
<td>-1.192</td>
</tr>
<tr>
<td>1500003O03Rik</td>
<td></td>
<td>-1.676</td>
</tr>
<tr>
<td>Rpl3l</td>
<td></td>
<td>-1.472</td>
</tr>
<tr>
<td>Homer1</td>
<td></td>
<td>-1.735</td>
</tr>
<tr>
<td>P77643</td>
<td></td>
<td>-1.25</td>
</tr>
<tr>
<td>D330024H06Rik</td>
<td></td>
<td>-1.485</td>
</tr>
<tr>
<td>Golgb1</td>
<td></td>
<td>-1.578</td>
</tr>
<tr>
<td>Siat8f</td>
<td></td>
<td>-1.426</td>
</tr>
<tr>
<td>Mga</td>
<td></td>
<td>-1.716</td>
</tr>
<tr>
<td>Rnf150</td>
<td></td>
<td>-0.646</td>
</tr>
<tr>
<td>P125901</td>
<td></td>
<td>-2.419</td>
</tr>
<tr>
<td>BC031781</td>
<td></td>
<td>-1.376</td>
</tr>
<tr>
<td>P653456</td>
<td></td>
<td>-2.001</td>
</tr>
<tr>
<td>Snapc3</td>
<td></td>
<td>-2.283</td>
</tr>
<tr>
<td>P175735</td>
<td></td>
<td>-1.999</td>
</tr>
<tr>
<td>Kcne1</td>
<td></td>
<td>-1.639</td>
</tr>
<tr>
<td>Cdk8</td>
<td></td>
<td>-1.723</td>
</tr>
<tr>
<td>P236883</td>
<td></td>
<td>-1.264</td>
</tr>
<tr>
<td>Akap9</td>
<td></td>
<td>-1.398</td>
</tr>
<tr>
<td>P407209</td>
<td></td>
<td>-1.27</td>
</tr>
<tr>
<td>Itga4</td>
<td></td>
<td>-2.139</td>
</tr>
<tr>
<td>B330003H21</td>
<td></td>
<td>-1.455</td>
</tr>
<tr>
<td>Pcdh7</td>
<td></td>
<td>-1.315</td>
</tr>
<tr>
<td>Lpin1</td>
<td></td>
<td>-1.233</td>
</tr>
<tr>
<td>Tbx5</td>
<td></td>
<td>-1.481</td>
</tr>
<tr>
<td>A730024A03Rik</td>
<td></td>
<td>-1.391</td>
</tr>
<tr>
<td>Kcnj2</td>
<td></td>
<td>-1.075</td>
</tr>
<tr>
<td>P5020412</td>
<td></td>
<td>-1.373</td>
</tr>
<tr>
<td>P135822</td>
<td></td>
<td>-1.691</td>
</tr>
<tr>
<td>P200631</td>
<td></td>
<td>-3.017</td>
</tr>
<tr>
<td>Dmd</td>
<td></td>
<td>-1.851</td>
</tr>
<tr>
<td>P487832</td>
<td></td>
<td>-2.047</td>
</tr>
<tr>
<td>Tln2</td>
<td></td>
<td>-1.21</td>
</tr>
<tr>
<td>6030460N08Rik</td>
<td></td>
<td>-1.699</td>
</tr>
<tr>
<td>4930438D12Rik</td>
<td></td>
<td>-3.017</td>
</tr>
<tr>
<td>Dmd</td>
<td></td>
<td>-1.851</td>
</tr>
<tr>
<td>C330012H03Rik</td>
<td></td>
<td>-1.369</td>
</tr>
<tr>
<td>D10Ertd214e</td>
<td></td>
<td>-1.728</td>
</tr>
<tr>
<td>Gene Symbol</td>
<td>Description</td>
<td>Value</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
<td>-------</td>
</tr>
<tr>
<td>Pik3c2a</td>
<td></td>
<td>-0.812</td>
</tr>
<tr>
<td>Psme4</td>
<td></td>
<td>-1.61</td>
</tr>
<tr>
<td>-0.843</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tox</td>
<td></td>
<td>-1.659</td>
</tr>
<tr>
<td>A530081L18Rik</td>
<td></td>
<td>-1.826</td>
</tr>
<tr>
<td>Nsun6</td>
<td></td>
<td>-0.977</td>
</tr>
<tr>
<td>2610301K12Rik</td>
<td></td>
<td>-1.526</td>
</tr>
<tr>
<td>Klf3</td>
<td></td>
<td>-1.646</td>
</tr>
<tr>
<td>Dst</td>
<td></td>
<td>-1.739</td>
</tr>
<tr>
<td>Eif3s8</td>
<td></td>
<td>-1.298</td>
</tr>
<tr>
<td>Zfp629</td>
<td></td>
<td>-1.428</td>
</tr>
<tr>
<td>A530082C11Rik</td>
<td></td>
<td>-1.499</td>
</tr>
<tr>
<td>Mak10</td>
<td></td>
<td>-1.364</td>
</tr>
<tr>
<td>Ubap2l</td>
<td></td>
<td>-1.511</td>
</tr>
<tr>
<td>Nek1</td>
<td></td>
<td>-1.372</td>
</tr>
<tr>
<td>A330103N21Rik</td>
<td></td>
<td>-0.873</td>
</tr>
<tr>
<td>Ccni</td>
<td></td>
<td>-1.071</td>
</tr>
<tr>
<td>AU017263</td>
<td></td>
<td>-1.133</td>
</tr>
<tr>
<td>Eea1</td>
<td></td>
<td>-1.28</td>
</tr>
<tr>
<td>Nmt2</td>
<td></td>
<td>-0.741</td>
</tr>
<tr>
<td>Sox6</td>
<td></td>
<td>-1.151</td>
</tr>
<tr>
<td>Ube1dc1</td>
<td></td>
<td>-1.458</td>
</tr>
<tr>
<td>2310005E10Rik</td>
<td></td>
<td>-1.566</td>
</tr>
<tr>
<td>1810057C19Rik</td>
<td></td>
<td>-0.893</td>
</tr>
<tr>
<td>Zfp318</td>
<td></td>
<td>-1.318</td>
</tr>
<tr>
<td>G630013P12Rik</td>
<td></td>
<td>-1.839</td>
</tr>
<tr>
<td>-1.402</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gene Symbol</td>
<td>Description</td>
<td>Log2 Fold Change</td>
</tr>
<tr>
<td>------------</td>
<td>-------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>Spata5</td>
<td></td>
<td>-0.798</td>
</tr>
<tr>
<td>Nfix</td>
<td></td>
<td>-1.226</td>
</tr>
<tr>
<td>Paics</td>
<td></td>
<td>-1.416</td>
</tr>
<tr>
<td>170009P03Rik</td>
<td></td>
<td>-2.079</td>
</tr>
<tr>
<td>P354363</td>
<td></td>
<td>-1.786</td>
</tr>
<tr>
<td>Lpp</td>
<td></td>
<td>-1.057</td>
</tr>
<tr>
<td>P253984</td>
<td></td>
<td>-1.907</td>
</tr>
<tr>
<td>P150433</td>
<td></td>
<td>-1.358</td>
</tr>
<tr>
<td>P474551</td>
<td></td>
<td>-2.52</td>
</tr>
<tr>
<td>P279651</td>
<td></td>
<td>-1.979</td>
</tr>
<tr>
<td>P351481</td>
<td></td>
<td>-1.506</td>
</tr>
<tr>
<td>P148069</td>
<td></td>
<td>-1.941</td>
</tr>
<tr>
<td>P318182</td>
<td></td>
<td>-2.211</td>
</tr>
<tr>
<td>P454622</td>
<td></td>
<td>-1.039</td>
</tr>
<tr>
<td>P101985</td>
<td></td>
<td>-1.785</td>
</tr>
<tr>
<td>P115191</td>
<td></td>
<td>-1.207</td>
</tr>
<tr>
<td>P170573</td>
<td></td>
<td>-1.032</td>
</tr>
<tr>
<td>P114577</td>
<td></td>
<td>-1.16</td>
</tr>
<tr>
<td>P280761</td>
<td></td>
<td>-1.334</td>
</tr>
<tr>
<td>P682873</td>
<td></td>
<td>-1.044</td>
</tr>
<tr>
<td>P365803</td>
<td></td>
<td>-0.878</td>
</tr>
<tr>
<td>P163173</td>
<td></td>
<td>-1.034</td>
</tr>
<tr>
<td>P381784</td>
<td></td>
<td>-1.14</td>
</tr>
<tr>
<td>P455295</td>
<td></td>
<td>-1.343</td>
</tr>
<tr>
<td>P158400</td>
<td></td>
<td>-1.524</td>
</tr>
<tr>
<td>P536731</td>
<td></td>
<td>-1.15</td>
</tr>
<tr>
<td>P26797</td>
<td></td>
<td>-1.074</td>
</tr>
<tr>
<td>P1126526</td>
<td></td>
<td>-1.01</td>
</tr>
<tr>
<td>P197292</td>
<td></td>
<td>-1.039</td>
</tr>
<tr>
<td>P483059</td>
<td></td>
<td>-1.045</td>
</tr>
<tr>
<td>P289835</td>
<td></td>
<td>-1.031</td>
</tr>
<tr>
<td>P1100661</td>
<td></td>
<td>-1.551</td>
</tr>
<tr>
<td>P367294</td>
<td></td>
<td>-1.629</td>
</tr>
<tr>
<td>P180101</td>
<td></td>
<td>-1.562</td>
</tr>
<tr>
<td>P253299</td>
<td></td>
<td>-1.283</td>
</tr>
<tr>
<td>P422481</td>
<td></td>
<td>-2.648</td>
</tr>
<tr>
<td>P676492</td>
<td></td>
<td>-1.189</td>
</tr>
<tr>
<td>P763117</td>
<td></td>
<td>-1.435</td>
</tr>
<tr>
<td>P260548</td>
<td></td>
<td>-1.671</td>
</tr>
<tr>
<td>P500077</td>
<td></td>
<td>-0.748</td>
</tr>
<tr>
<td>P386964</td>
<td></td>
<td>-1.161</td>
</tr>
<tr>
<td>P442366</td>
<td></td>
<td>-1.19</td>
</tr>
<tr>
<td>P533724</td>
<td></td>
<td>-1.636</td>
</tr>
<tr>
<td>P120680</td>
<td></td>
<td>-0.971</td>
</tr>
<tr>
<td>P527800</td>
<td></td>
<td>-1.032</td>
</tr>
<tr>
<td>P4299909</td>
<td></td>
<td>-1.267</td>
</tr>
<tr>
<td>P451374</td>
<td></td>
<td>-1.868</td>
</tr>
<tr>
<td>Gene ID</td>
<td>Log2 Fold Change</td>
<td></td>
</tr>
<tr>
<td>----------------------</td>
<td>------------------</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P276792</td>
<td>Foxp1</td>
<td>-1.094</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P418313</td>
<td></td>
<td>-1.249</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P322473</td>
<td>2310042D19Rik</td>
<td>-1.077</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P668900</td>
<td>Diap2</td>
<td>-1.114</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P445382</td>
<td></td>
<td>-1.2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P597860</td>
<td>Wasf2</td>
<td>-1.572</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P682330</td>
<td></td>
<td>-1.383</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P141384</td>
<td></td>
<td>-1.419</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P437363</td>
<td></td>
<td>-1.261</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P601980</td>
<td>Jarid1b</td>
<td>-0.354</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P302336</td>
<td>Igf2bp3</td>
<td>-0.916</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P392467</td>
<td>Bzw2</td>
<td>-1.967</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P101719</td>
<td>Ttc14</td>
<td>-1.493</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P843016</td>
<td>Phip</td>
<td>-2.39</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P486289</td>
<td></td>
<td>-1.155</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P274486</td>
<td>Mnb</td>
<td>-1.616</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P210757</td>
<td></td>
<td>-1.613</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P609448</td>
<td>Wdr9</td>
<td>-1.612</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P295676</td>
<td></td>
<td>-3.409</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P14342</td>
<td>D930016D06Rik</td>
<td>-1.548</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P780821</td>
<td>Msi2h</td>
<td>-1.214</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P413661</td>
<td>Mlh3</td>
<td>-1.367</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P207017</td>
<td>A930041I02Rik</td>
<td>-1.415</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P422088</td>
<td>Ptbp2</td>
<td>-2.897</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P243695</td>
<td>Zcchc6</td>
<td>-1.185</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P454703</td>
<td>Hnrrpu</td>
<td>-2.538</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P383638</td>
<td>Amy1</td>
<td>-1.899</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P988322</td>
<td>Khdrbs3</td>
<td>-1.477</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P317181</td>
<td>Pchdhb21</td>
<td>-0.926</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P151722</td>
<td>9630019E01Rik</td>
<td>-3.401</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P176231</td>
<td>4933409N07Rik</td>
<td>-0.946</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P218612</td>
<td>Mtr</td>
<td>-1.361</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P428345</td>
<td>Mbnl1</td>
<td>-1.469</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P254470</td>
<td></td>
<td>-1.232</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P104162</td>
<td></td>
<td>-0.856</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P251245</td>
<td>Pkp4</td>
<td>-1.776</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P191400</td>
<td></td>
<td>-2.899</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P204261</td>
<td></td>
<td>-1.025</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P163876</td>
<td>A730024A03Rik</td>
<td>-0.864</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P502892</td>
<td>Nfic</td>
<td>-0.955</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P299400</td>
<td></td>
<td>-1.02</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P497594</td>
<td></td>
<td>-0.977</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P671525</td>
<td>B930008K04Rik</td>
<td>-1.15</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P468531</td>
<td>Abcf3</td>
<td>-0.862</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P636038</td>
<td>Park2</td>
<td>-0.828</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P598774</td>
<td>BC053917</td>
<td>-1.32</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P153113</td>
<td></td>
<td>-1.561</td>
</tr>
<tr>
<td>Gene Symbol</td>
<td>Description</td>
<td>Log2 Fold Change</td>
</tr>
<tr>
<td>---------------------</td>
<td>-------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>Zfp106</td>
<td></td>
<td>-1.162</td>
</tr>
<tr>
<td>Irx2</td>
<td></td>
<td>-1.504</td>
</tr>
<tr>
<td>Rbm9</td>
<td></td>
<td>-0.934</td>
</tr>
<tr>
<td>Mark3</td>
<td></td>
<td>-1.112</td>
</tr>
<tr>
<td>2610019N13Rik</td>
<td></td>
<td>-1.451</td>
</tr>
<tr>
<td>Rbpm2</td>
<td></td>
<td>-1.334</td>
</tr>
<tr>
<td>6430510M02Rik</td>
<td></td>
<td>-1.466</td>
</tr>
<tr>
<td>C430017H16Rik</td>
<td></td>
<td>-2.807</td>
</tr>
<tr>
<td>Slmap</td>
<td></td>
<td>-1.674</td>
</tr>
<tr>
<td>1600019O04Rik</td>
<td></td>
<td>-1.198</td>
</tr>
<tr>
<td>Kif1b</td>
<td></td>
<td>-1.95</td>
</tr>
<tr>
<td>Tardbp</td>
<td></td>
<td>-1.636</td>
</tr>
<tr>
<td>E430027O22Rik</td>
<td></td>
<td>-1.743</td>
</tr>
<tr>
<td>P558502</td>
<td></td>
<td>-0.832</td>
</tr>
<tr>
<td>2310035C23Rik</td>
<td></td>
<td>-0.95</td>
</tr>
<tr>
<td>Sla2a2</td>
<td></td>
<td>-1.151</td>
</tr>
<tr>
<td>2610206C24Rik</td>
<td></td>
<td>-0.975</td>
</tr>
<tr>
<td>Clk1</td>
<td></td>
<td>-1.535</td>
</tr>
<tr>
<td>Ubce7ip1</td>
<td></td>
<td>-1.107</td>
</tr>
<tr>
<td>Ddx42</td>
<td></td>
<td>-1.107</td>
</tr>
<tr>
<td>8430438D04Rik</td>
<td></td>
<td>-1.305</td>
</tr>
<tr>
<td>Rnasel</td>
<td></td>
<td>-0.553</td>
</tr>
<tr>
<td>Sync</td>
<td></td>
<td>-1.377</td>
</tr>
<tr>
<td>2410025L10Rik</td>
<td></td>
<td>-1.52</td>
</tr>
<tr>
<td>Plec1</td>
<td></td>
<td>-1.423</td>
</tr>
<tr>
<td>D830026I12Rik</td>
<td></td>
<td>-1.526</td>
</tr>
<tr>
<td>Ncor1</td>
<td></td>
<td>-1.214</td>
</tr>
<tr>
<td>P310088</td>
<td></td>
<td>-1.433</td>
</tr>
<tr>
<td>AW011752</td>
<td></td>
<td>-0.984</td>
</tr>
<tr>
<td>P988461</td>
<td></td>
<td>-2.142</td>
</tr>
</tbody>
</table>
AGI_MM_Oligo_A_52_P290544  Ccnl1  -2.86
AGI_MM_Oligo_A_51_P149155  Al854408  -0.203
AGI_MM_Oligo_A_51_P293269  Pde7a  -1.074
AGI_MM_Oligo_A_51_P268977  Ube3a  -1.104
AGI_MM_Oligo_A_51_P376501  4831403C07Rik  -1.473
AGI_MM_Oligo_A_52_P486239  Tna  -1.382
AGI_MM_Oligo_A_51_P405985  A530089I17Rik  -1.191
AGI_MM_Oligo_A_51_P232207  Hoxb6  -1.829
AGI_MM_Oligo_A_51_P409985  C530009C10Rik  -1.108
AGI_MM_Oligo_A_52_P561627  A430085C19  -0.796
AGI_MM_Oligo_A_52_P1132057  -0.904
AGI_MM_Oligo_A_51_P291529  -1.317
AGI_MM_Oligo_A_52_P52156  Cnot4  -0.968
AGI_MM_Oligo_A_52_P139  -1.637
AGI_MM_Oligo_A_52_P569906  -2.686
AGI_MM_Oligo_A_52_P657817  -1.945
AGI_MM_Oligo_A_51_P148675  Dag1  -1.156
AGI_MM_Oligo_A_52_P491842  Brd3  -1.008
AGI_MM_Oligo_A_51_P495780  S3-12  -0.984
AGI_MM_Oligo_A_51_P482043  Epm2aip1  -0.968
AGI_MM_Oligo_A_52_P21615  2900045N06Rik  -1.908
AGI_MM_Oligo_A_52_P279143  Ddx21  -1.14
AGI_MM_Oligo_A_52_P496608  BC003498  -1.309
AGI_MM_Oligo_A_51_P518592  Sca7  -1.812
AGI_MM_Oligo_A_51_P425149  -1.697
AGI_MM_Oligo_A_52_P516059  Tia1  -1.482
AGI_MM_Oligo_A_52_P374669  Jarid1a  -0.893
AGI_MM_Oligo_A_52_P261160  Pkn2  -0.935
AGI_MM_Oligo_A_52_P63203  A530083I02Rik  -1.085
AGI_MM_Oligo_A_52_P1188205  Atrnl1  -2.452
AGI_MM_Oligo_A_51_P348456  Rest  -0.823
AGI_MM_Oligo_A_52_P563908  A230003G05Rik  -1.039
AGI_MM_Oligo_A_52_P93432  -1.108
AGI_MM_Oligo_A_51_P281326  Clasp2  -1.262
AGI_MM_Oligo_A_52_P642626  -1.314
AGI_MM_Oligo_A_51_P250358  Prpf39  -0.985
AGI_MM_Oligo_A_52_P90257  -1.292
AGI_MM_Oligo_A_52_P663757  Tnik  -0.858
AGI_MM_Oligo_A_51_P221886  Al314180  -1.159
AGI_MM_Oligo_A_52_P502083  -1.648
AGI_MM_Oligo_A_52_P724015  -1.206
AGI_MM_Oligo_A_51_P266248  -0.648
AGI_MM_Oligo_A_52_P475886  -1.219
AGI_MM_Oligo_A_52_P175157  -1.236
AGI_MM_Oligo_A_52_P466788  Tor1b  -1.255
AGI_MM_Oligo_A_52_P581138  D2Ertd485e  -1.506
AGI_MM_Oligo_A_52_P25903  Cacna1c  -1.267
<table>
<thead>
<tr>
<th>Gene Symbol</th>
<th>log2 Fold Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fbxw7</td>
<td>-1.123</td>
</tr>
<tr>
<td>Dmd</td>
<td>-1.083</td>
</tr>
<tr>
<td>Pcdh7</td>
<td>-3.753</td>
</tr>
<tr>
<td>Zfp291</td>
<td>-1.655</td>
</tr>
<tr>
<td>Trdn</td>
<td>-1.153</td>
</tr>
<tr>
<td>D130054N24Rik</td>
<td>-1.313</td>
</tr>
<tr>
<td>1300010F03Rik</td>
<td>-1.172</td>
</tr>
<tr>
<td>Kifap3</td>
<td>-0.898</td>
</tr>
<tr>
<td>S730509C05Rik</td>
<td>-0.817</td>
</tr>
<tr>
<td>Tox</td>
<td>-1.715</td>
</tr>
<tr>
<td>Efnb1</td>
<td>-1.081</td>
</tr>
<tr>
<td>Mmp15</td>
<td>-1.023</td>
</tr>
<tr>
<td>Timp3</td>
<td>-0.863</td>
</tr>
<tr>
<td>Rab6ip2</td>
<td>-1.208</td>
</tr>
<tr>
<td>Zcchc11</td>
<td>-1.099</td>
</tr>
<tr>
<td>Sfmbt1</td>
<td>-1.078</td>
</tr>
<tr>
<td>Dock11</td>
<td>-1.176</td>
</tr>
<tr>
<td>D3Jfr1</td>
<td>-1.135</td>
</tr>
<tr>
<td>Usp36</td>
<td>-1.565</td>
</tr>
<tr>
<td>Nudt3</td>
<td>-0.902</td>
</tr>
<tr>
<td>S730455P16Rik</td>
<td>-1.02</td>
</tr>
<tr>
<td>Rab6ip2</td>
<td>-1.592</td>
</tr>
<tr>
<td>Stag1</td>
<td>-2.273</td>
</tr>
<tr>
<td>Lu</td>
<td>-0.976</td>
</tr>
<tr>
<td>D3Jfr1</td>
<td>-1.133</td>
</tr>
<tr>
<td>5730557B15Rik</td>
<td>-0.673</td>
</tr>
<tr>
<td>Pcm1</td>
<td>-1.611</td>
</tr>
<tr>
<td>Ches1</td>
<td>-1.479</td>
</tr>
<tr>
<td>Mpp6</td>
<td>-1.162</td>
</tr>
<tr>
<td>2610042L04Rik</td>
<td>-1.021</td>
</tr>
<tr>
<td>Rtn2</td>
<td>-1.167</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P132170</td>
<td>-1.594</td>
</tr>
<tr>
<td>--------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P371401</td>
<td>Mtmr13</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P250590</td>
<td>Mtmr13</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P286242</td>
<td>Mrps25</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P448578</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P367366</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P151198</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P221802</td>
<td>Tpr</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P443740</td>
<td>Fgf16</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P174328</td>
<td>9430063L05Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P371175</td>
<td>A030012M09Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P419879</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P357368</td>
<td>Usp47</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P420138</td>
<td>9630026M06Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P16312</td>
<td>Ptpn13</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P130544</td>
<td>Gas5</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P556014</td>
<td>Mll3</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P475033</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P670950</td>
<td>Ep400</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P573497</td>
<td>Ddx6</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P383644</td>
<td>Amy1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P359621</td>
<td>Luzp1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P126146</td>
<td>Riok1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P281820</td>
<td>Golga1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P320434</td>
<td>Al317223</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P1172895</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P112529</td>
<td>Pitpn2m</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P500806</td>
<td>Exosc8</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P196138</td>
<td>Cep1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P811745</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P141660</td>
<td>E130119P06Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P212630</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P451053</td>
<td>Zfp91</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P21506</td>
<td>Catna1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P294891</td>
<td>Ppargc1b</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P518470</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P633439</td>
<td>Al413782</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P581440</td>
<td>Wasf2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P139030</td>
<td>Slc38a3</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P347031</td>
<td>B430203M17Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P401792</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P160543</td>
<td>Cacna2d1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P158120</td>
<td>D230016N13Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P503433</td>
<td>Ppap2b</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P273596</td>
<td>Sdh1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P1196187</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P287952</td>
<td>6330441O12Rik</td>
</tr>
<tr>
<td>Gene Name</td>
<td>Ratio</td>
</tr>
<tr>
<td>---------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>Cryba4</td>
<td>-1.402</td>
</tr>
<tr>
<td>Lpin1</td>
<td>-1.315</td>
</tr>
<tr>
<td>Mbnl1</td>
<td>-3.058</td>
</tr>
<tr>
<td>Pten</td>
<td>-1.191</td>
</tr>
<tr>
<td>2210010L05Rik</td>
<td>-1.334</td>
</tr>
<tr>
<td>Hdlbp</td>
<td>-1.268</td>
</tr>
<tr>
<td>Pam</td>
<td>-1.489</td>
</tr>
<tr>
<td>Srpk2</td>
<td>-2.571</td>
</tr>
<tr>
<td>Mpst</td>
<td>-0.614</td>
</tr>
<tr>
<td>E330018D03Rik</td>
<td>-1.407</td>
</tr>
<tr>
<td>Atf7ip</td>
<td>-1.644</td>
</tr>
<tr>
<td>D330013E07Rik</td>
<td>-2.223</td>
</tr>
<tr>
<td>Cugbp2</td>
<td>-1.11</td>
</tr>
<tr>
<td>Fmn12</td>
<td>-1.287</td>
</tr>
<tr>
<td>Abcd3</td>
<td>-2.497</td>
</tr>
<tr>
<td>Pip5k2a</td>
<td>-0.73</td>
</tr>
<tr>
<td>Bcl2</td>
<td>-1.369</td>
</tr>
<tr>
<td>2610101N10Rik</td>
<td>-1.306</td>
</tr>
<tr>
<td>Dhx29</td>
<td>-1.241</td>
</tr>
<tr>
<td>Luc7l</td>
<td>-1.868</td>
</tr>
<tr>
<td>Mga</td>
<td>-1.259</td>
</tr>
<tr>
<td>E130113K22Rik</td>
<td>-1.681</td>
</tr>
<tr>
<td>Mga</td>
<td>-1.249</td>
</tr>
<tr>
<td>Ccni</td>
<td>-1.093</td>
</tr>
<tr>
<td>E130113K22Rik</td>
<td>-1.006</td>
</tr>
<tr>
<td>AL117728</td>
<td>-2.01</td>
</tr>
<tr>
<td>Pkia</td>
<td>-1.141</td>
</tr>
<tr>
<td>Rdh14</td>
<td>-2.52</td>
</tr>
<tr>
<td>A630019B22</td>
<td>-0.89</td>
</tr>
<tr>
<td>Ccni</td>
<td>-0.87</td>
</tr>
<tr>
<td>Rdh14</td>
<td>-2.041</td>
</tr>
<tr>
<td>AL117728</td>
<td>-1.314</td>
</tr>
<tr>
<td>Pkia</td>
<td>-1.9</td>
</tr>
<tr>
<td>Clock</td>
<td>-2.656</td>
</tr>
<tr>
<td>Cubn</td>
<td>-1.34</td>
</tr>
<tr>
<td>Zfp469</td>
<td>-0.868</td>
</tr>
<tr>
<td>Eif4e</td>
<td>-1.081</td>
</tr>
<tr>
<td>Ddx17</td>
<td>-2.231</td>
</tr>
<tr>
<td>Ddx17</td>
<td>-1.407</td>
</tr>
<tr>
<td>Eif4e</td>
<td>-0.687</td>
</tr>
<tr>
<td>Prkaa2</td>
<td>-1.854</td>
</tr>
<tr>
<td>Prkaa2</td>
<td>-0.67</td>
</tr>
<tr>
<td>Oligo ID</td>
<td>Gene Symbol</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P30406</td>
<td>Rad23b</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P144712</td>
<td>Gbf1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P468381</td>
<td>Purb</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P407755</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P314363</td>
<td>Helic1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P150996</td>
<td>Lphn2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P201884</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P102090</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P176265</td>
<td>6030460N08Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P32733</td>
<td>Nfkb1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P158782</td>
<td>Son</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P498242</td>
<td>Riok1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P556804</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P448435</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P75384</td>
<td>B230219D22Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P220049</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P947954</td>
<td>Myst3</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P201480</td>
<td>Stat3</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P615362</td>
<td>Flt2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P533161</td>
<td>Ablim1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P601757</td>
<td>Dsg2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P252596</td>
<td>9430041O17Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P457989</td>
<td>C030003H22Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P555603</td>
<td>Apbb2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P155763</td>
<td>Helic1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P529049</td>
<td>Slk</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P275591</td>
<td>Zfp292</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P213544</td>
<td>Klf4</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P397367</td>
<td>Slc16a1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P116940</td>
<td>Ephx2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P421881</td>
<td>Pde3a</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P131687</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P264835</td>
<td>Epn2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P1163666</td>
<td>Kif1b</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P1131716</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P42459</td>
<td>Jmy</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P265137</td>
<td>Tcf4</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P647488</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P223083</td>
<td>Pfkp</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P377299</td>
<td>2310061J03Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P462428</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P65351</td>
<td>Sema3c</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P223489</td>
<td>Rbnp4</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P606287</td>
<td>Al181996</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P614910</td>
<td>A630072M18Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P755898</td>
<td>Inpp4b</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P494622</td>
<td>Nr4a2</td>
</tr>
<tr>
<td>Gene Symbol</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P362805</td>
<td>A930037J23Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P528312</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P309208</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P129624</td>
<td>4932439K10Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P282518</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P368136</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P479528</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P338803</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P572571</td>
<td>Kitl</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P115996</td>
<td>Thrap3</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P249856</td>
<td>5730509K17Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P160824</td>
<td>Cspg4</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P462239</td>
<td>2810055G20Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P124887</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P503877</td>
<td>Falz</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P128262</td>
<td>Clk4</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P257134</td>
<td>Adar</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P659477</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P513358</td>
<td>Rock1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P115098</td>
<td>2010109N14Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P123242</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P590898</td>
<td>Dnm3</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P570652</td>
<td>E030034P13Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P582767</td>
<td>Rab22a</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P574527</td>
<td>Zfp295</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P963431</td>
<td>Ehpbp1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P608444</td>
<td>Nfat5</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P279997</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P218910</td>
<td>2410066E13Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P367675</td>
<td>Acin1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P524700</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P547965</td>
<td>Chd1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P197965</td>
<td>Ap1g1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P3723</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P320281</td>
<td>Irx2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P456539</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P143477</td>
<td>Tgoln1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P472523</td>
<td>E130115J16Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P54106</td>
<td>Ghr</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P473633</td>
<td>2610024B07Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P268623</td>
<td>1700024G08Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P462125</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P500300</td>
<td>Zmynd11</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P125993</td>
<td>2610206C24Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P294535</td>
<td>Unc5b</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P252328</td>
<td>AA959934</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P498720</td>
<td>Cacna2d1</td>
</tr>
<tr>
<td>Gene Name</td>
<td>Gene Name</td>
</tr>
<tr>
<td>---------------------------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P502279</td>
<td>4732460I02Rik</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P409988</td>
<td>C530009C10Rik</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P80548</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P539343</td>
<td>D030069K18</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P328769</td>
<td>Rnf20</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P476783</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P470989</td>
<td>Paip1</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P650215</td>
<td>2610033H07Rik</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P330289</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P256919</td>
<td>Sp1</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P51998</td>
<td>Eif4e</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P408123</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P400425</td>
<td>A530088H08Rik</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P342259</td>
<td>1110007C24Rik</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P300808</td>
<td>3010021M21Rik</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P476509</td>
<td>A930014K01Rik</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P118168</td>
<td>Zfp297b</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P162744</td>
<td>Baz1b</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P418662</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P243090</td>
<td>5730454B08Rik</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P412200</td>
<td>Bteb1</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P185757</td>
<td>BC035954</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P220323</td>
<td>Mll3</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P117892</td>
<td>Pde7a</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P550375</td>
<td>Ank2</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P1156565</td>
<td>4933425I22Rik</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P454295</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P416521</td>
<td>C630016B22Rik</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P188358</td>
<td>D13Wsu64e</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P84037</td>
<td>Socs2</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P382565</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P301277</td>
<td>Asb14</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P118637</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P113285</td>
<td>C430014M02Rik</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P338816</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P437657</td>
<td>Nsep1</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P341130</td>
<td>Iggap1</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P108243</td>
<td>Pde1c</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P87955</td>
<td>Pcaf</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P707482</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P336259</td>
<td>Mll3</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P146250</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P76861</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P357486</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P430462</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_52_P931493</td>
<td>Rab28</td>
</tr>
<tr>
<td>AGI_MM_OLIGO_A_51_P155257</td>
<td>B4galt1</td>
</tr>
<tr>
<td>Gene Symbol</td>
<td>Gene Name</td>
</tr>
<tr>
<td>-------------</td>
<td>-----------</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P1156957</td>
<td>-0.877</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P154071</td>
<td>-1.2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P76426</td>
<td>-2.789</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P663011</td>
<td>Zswim6</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P35670</td>
<td>Psip1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P631762</td>
<td>-1.858</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P505770</td>
<td>Emilin2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P394500</td>
<td>9030612M13Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P163316</td>
<td>BCO08163</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P270960</td>
<td>3222402P14Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P423859</td>
<td>Nvl</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P883263</td>
<td>-0.821</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P478598</td>
<td>Nfix</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P410927</td>
<td>-1.192</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P466641</td>
<td>-0.779</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P150396</td>
<td>-0.975</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P341255</td>
<td>-1.106</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P189038</td>
<td>-0.901</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P679101</td>
<td>Tjp2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P107681</td>
<td>Ylpm1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P480328</td>
<td>Eltd1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P677036</td>
<td>-2.064</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P676518</td>
<td>-1.987</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P335321</td>
<td>Gnas</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P384621</td>
<td>1700084E18Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P297212</td>
<td>Zfp307</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P388587</td>
<td>-0.665</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P293853</td>
<td>Gpd1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P108089</td>
<td>BC030336</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P447458</td>
<td>6530401P13</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P11920</td>
<td>Cpn5</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P102223</td>
<td>Pcnx</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P396198</td>
<td>Pfkfb2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P488730</td>
<td>Zfp612</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P491961</td>
<td>2610528H13Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P410361</td>
<td>-1.073</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P480532</td>
<td>Gpc4</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P115749</td>
<td>-1.273</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P67849</td>
<td>-1.528</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P564166</td>
<td>Myom1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P483105</td>
<td>Lpin1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P198645</td>
<td>Parvb</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P225912</td>
<td>Olfr78</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P249193</td>
<td>C230098I05Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P161795</td>
<td>Zfr</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P1004624</td>
<td>-0.834</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P304419</td>
<td>-1.913</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P351803</td>
<td>Zbtb37</td>
</tr>
<tr>
<td>---------------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P360410</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P365604</td>
<td>9030612E09Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P502888</td>
<td>Ncoa1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P996649</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P244568</td>
<td>Dhx36</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P410011</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P265745</td>
<td>Ttc14</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P314501</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P448569</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P27725</td>
<td>D930016D06Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P612518</td>
<td>1110028E10Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P355276</td>
<td>Al317223</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P460037</td>
<td>Axot</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P283754</td>
<td>5730453I16Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P167971</td>
<td>Bace1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P273674</td>
<td>4930413O22Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P459974</td>
<td>Lmo7</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P615158</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P228684</td>
<td>C77668</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P144417</td>
<td>R3hdm</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P125533</td>
<td>Phip</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P508934</td>
<td>Ankhd1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P37826</td>
<td>Dapk1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P408091</td>
<td>E030025D05Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P145433</td>
<td>D7Ertd715e</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P406527</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P311841</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P343497</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P584293</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P356335</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P294174</td>
<td>2610101N10Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P643359</td>
<td>Prpf4b</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P51355</td>
<td>Prkcb1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P521106</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P194316</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P341161</td>
<td>H13</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P465809</td>
<td>D930040F23Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P371666</td>
<td>BC027174</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P351882</td>
<td>1110001C20Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P178575</td>
<td>Brd3</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P397944</td>
<td>Npat</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P636559</td>
<td></td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P141583</td>
<td>H2afy</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P390164</td>
<td>Wdr11</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P172541</td>
<td>Itga4</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P184849</td>
<td>Pfkfb2</td>
</tr>
<tr>
<td>Gene ID</td>
<td>Description</td>
</tr>
<tr>
<td>---------</td>
<td>-------------------</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P201106</td>
<td>-1.668</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P240090</td>
<td>-1.108</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P311031</td>
<td>-0.905</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P380215</td>
<td>Prkacb</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P101621</td>
<td>Creb1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P445555</td>
<td>Arid1b</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P666698</td>
<td>Lmo4</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P424232</td>
<td>Mecp2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P373696</td>
<td>S930431H10</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P1044027</td>
<td>2810439K08Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P189777</td>
<td>Ccrn4l</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P507364</td>
<td>-1.217</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P330314</td>
<td>Lmo4</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P318580</td>
<td>Myh14</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P397444</td>
<td>Slc18a2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P247513</td>
<td>Hook3</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P459873</td>
<td>Pura</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P89064</td>
<td>Dusp18</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P140871</td>
<td>-1.487</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P646312</td>
<td>Plekha5</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P414396</td>
<td>Mmrn2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P100002</td>
<td>-1.559</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P343913</td>
<td>-1.627</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P681</td>
<td>Cnot4</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P368580</td>
<td>Ablim1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P140604</td>
<td>S730526G10Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P585794</td>
<td>Zfp629</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P79763</td>
<td>Thrap3</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P555537</td>
<td>-1.3</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P214752</td>
<td>-1.761</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P33221</td>
<td>Apbb1ip</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P450764</td>
<td>AU042671</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P470672</td>
<td>2600011C06Rik</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_51_P458384</td>
<td>Slc38a2</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P662562</td>
<td>-0.847</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P358612</td>
<td>Sirt1</td>
</tr>
<tr>
<td>AGI_MM_Oligo_A_52_P851171</td>
<td>Osbpl8</td>
</tr>
</tbody>
</table>
Supplementary Table 3. RT-qPCR and ChIP-qPCR primer sequences.

<table>
<thead>
<tr>
<th>RT-qPCR</th>
<th>Forward Primer (5'-3')</th>
<th>Reverse Primer (5'-3')</th>
</tr>
</thead>
<tbody>
<tr>
<td>mDot1L</td>
<td>CAGAGGATGACCTGTTTGTCG</td>
<td>CATCCACTTCCTGAGACTCTCG</td>
</tr>
<tr>
<td>mDmd</td>
<td>AAACATGCCCAAGAGGAACCT</td>
<td>CTGCTTTTTCTCGTGCTATGG</td>
</tr>
<tr>
<td>mSrf</td>
<td>GGCCCTGTCTCCTCTGGG</td>
<td>GATGTTGCGGGCAGCTGA</td>
</tr>
<tr>
<td>mSgag</td>
<td>TGGAGAGAGAGAGCTGCTTT</td>
<td>CAGATTTTTTCTGGTATG</td>
</tr>
<tr>
<td>mSgcd</td>
<td>ACACACGCAGCTCCCTATAA</td>
<td>CCAGGAACTCAGCTTTG</td>
</tr>
<tr>
<td>mSgcb</td>
<td>CTGCCCTCAATCATCTACTTC</td>
<td>GACACTTGGTTGAACCTCAG</td>
</tr>
<tr>
<td>mDag1</td>
<td>CTCTTTGGGTGAGCCATTCC</td>
<td>ACTGTTGGGTCGCCATG</td>
</tr>
<tr>
<td>mTaz</td>
<td>CACTCCCATTTCTTCAGTGTG</td>
<td>CAGGATGATGGGATAG</td>
</tr>
<tr>
<td>mDes</td>
<td>AGGAGGAGATCCGAGACTCTAA</td>
<td>CTCGGAGTTGAGACAGA</td>
</tr>
<tr>
<td>mLdb3</td>
<td>TTCAACATGCCCTCTCCTAC</td>
<td>CTGCTGTGGAGATGGGAAG</td>
</tr>
<tr>
<td>mActn2</td>
<td>GACCTGCAGGACATGCTTATT</td>
<td>TGCTGAGCTCTTGATCCTA</td>
</tr>
<tr>
<td>mMyh7</td>
<td>GCATTTCTCTGCTGTTCCTTT</td>
<td>TGGATGCTCAAAGCTTGAG</td>
</tr>
<tr>
<td>mMyh6</td>
<td>CGTATGCAAGAGGAAAATCC</td>
<td>CTCCAAAGTGAGCTTG</td>
</tr>
<tr>
<td>mActa1</td>
<td>GACTGCGACACAGACTCTTA</td>
<td>TCATCTTCTCAGTGAAG</td>
</tr>
<tr>
<td>mNppa</td>
<td>GAGTGGACTAGGCTGCAAAG</td>
<td>CAGTATGAGATGGAGAAG</td>
</tr>
<tr>
<td>mNppb</td>
<td>CCTCAAAATTCCAAGGTAGA</td>
<td>GCCAGGAGGCTCTCTACAA</td>
</tr>
<tr>
<td>mGapdh</td>
<td>CATGGCGTCCCTGTTGGCTT</td>
<td>GCTGCTTCACCTCTC</td>
</tr>
<tr>
<td>hDot1L</td>
<td>CTCAGCACCCTGAGCCCCA</td>
<td>GGCGCAGGGAAGGCTTCT</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ChIP Primer</th>
<th>Forward Primer (5'-3')</th>
<th>Reverse Primer (5'-3')</th>
<th>Amplicon Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dmd_c1 -15kb</td>
<td>GGCATAGCTCCTCTCTTTTT</td>
<td>TGCACTACAAAGCATCAATA</td>
<td>93bp</td>
</tr>
<tr>
<td>Dmd_c6 -1.5kb</td>
<td>AAATCTGAGGGAGGGGAGTAAG</td>
<td>TCACTAAGCTCAGACACTTTA</td>
<td>87bp</td>
</tr>
<tr>
<td>Dmd_c9 +0.3kb</td>
<td>AATGTGTGTCGAGGGAAGAGT</td>
<td>AGCTGAAAGTCGACAGTTA</td>
<td>82bp</td>
</tr>
<tr>
<td>Dmd_c12 +1.0kb</td>
<td>GAAGGTTGGTGACCTCCTATT</td>
<td>AACAGATGGGAGGCAAG</td>
<td>114bp</td>
</tr>
<tr>
<td>Dmd_c15 +5.5kb</td>
<td>TCCGACAAAACCTGTTGATTGA</td>
<td>TGCACTAGCTCAGATTTA</td>
<td>83bp</td>
</tr>
<tr>
<td>Dmd_c17 +10.7kb</td>
<td>TCCAGAGCTGGATCTCCTACA</td>
<td>CTTTCTGCAAAACACTTGA</td>
<td>93bp</td>
</tr>
<tr>
<td>Dmd_c20 +20.0kb</td>
<td>TGCCCCCTAAGAGGTAAGTA</td>
<td>CCCCCTAGTCACAGGAAAT</td>
<td>99bp</td>
</tr>
<tr>
<td>Dmd_c21 +58.5kb</td>
<td>GTGCCGCAATCAACCCAAAATA</td>
<td>CCCTGAGCATGAAAACTTTA</td>
<td>92bp</td>
</tr>
<tr>
<td>SRF_2 (CARG consensus) -0.2kb</td>
<td>CCTGTGCTATCTGTGTTGGA</td>
<td>TAAGGCTGCTTCCCATAG</td>
<td>89bp</td>
</tr>
</tbody>
</table>