

Table S1. Genes that are more than 2-fold downregulated in <i>Dlx5/6</i> ^{-/-} mdBA1 compared with the wild type			
Gene title	Gene symbol	In situ verification	Average fold change
distal-less homeobox 5	<i>Dlx5</i>	Known	-75.81673608
distal-less homeobox 6	<i>Dlx6</i>	Known	-70.1967987
G-protein-coupled receptor 50	<i>Gpr50</i>		-25.59478137
distal-less homeobox1 antisense	<i>Dlx1 A/S</i>	Yes	-16
gastrulation brain homeobox 2	<i>Gbx2</i>	Yes	-15.75543605
RIKEN cDNA A730090H04 gene	<i>A730090H04Rik</i>		-11.40117896
goosecoid	<i>Gsc</i>	Known	-11.3137085
heart and neural crest derivatives expressed transcript 2	<i>Hand2</i>	Known	-10.63767611
Riken cDNA 7120458G20 (LOC434315)	<i>7120458G20Rik</i>		-10.4750766
BMP-binding endothelial regulator	<i>Bmper, Cv2</i>	Yes	-8.5741877
aristaless 3	<i>Alx3</i>	Yes	-7.580128063
transient receptor potential cation channel, subfamily M, member 1	<i>Trpm1/melastatin</i>		-6.498019171
sonic hedgehog regulated sequence/Evf1/2	<i>Evf1/2</i>	Yes	-6.01635163
distal-less homeobox 4	<i>Dlx4</i>	Yes	-5.656854249
paired-like homeodomain transcription factor 1	<i>Pitx1</i>	Known	-4.702191625
distal-less homeobox 3	<i>Dlx3</i>	Known	-4.455401837
serum deprivation response	<i>Sdpr</i>		-4.421219754
Cbp/p300-interacting transactivator with Glu/Asp-rich C-terminal domain1	<i>Cited1</i>	Yes	-3.969311785
heart and neural crest derivatives expressed transcript 1	<i>Hand1</i>	Yes	-3.848895348
regulator of G-protein signaling 5	<i>Rgs5</i>	Yes	-3.848895348
hepatocyte growth factor (scatter factor)	<i>Hgf/Sf</i>	Yes	-3.174802104
T-box 22	<i>Tbx22</i>	False positive	-2.985096929
unc-5 homolog C (<i>C. elegans</i>)	<i>Unc5c</i>	Yes	-2.985096929
protein tyrosine phosphatase, receptor type Z, polypeptide 1	<i>Ptprz1</i>		-2.785193917
procollagen, type VIII, alpha 2	<i>Col8a2</i>		-2.785193917
peripheral myelin protein	<i>Pmp22</i>		-2.76382576
zinc binding alcohol dehydrogenase, domain containing 2	<i>Zadh2</i>		-2.72158
leucine rich repeat containing 17	<i>Lrrc17</i>		-2.659419027
expressed sequence AW551984	<i>AW551984</i>		-2.61876915
insulin-like growth factor 2, antisense	<i>Igf2as</i>		-2.578740617
epidermal growth factor-containing fibulin-like extracellular matrix protein1	<i>Efemp1</i>		-2.55895638
pleiomorphic adenoma gene-like 1, Zac1, Lot1	<i>Zac1 (Plagl1)</i>	Yes	-2.55895638
cDNA sequence BC005512	<i>BC005512</i>		-2.55895638
hypothetical protein C130007D14	<i>C130007D14</i>		-2.539323929
integral membrane protein 2A	<i>Itm2a</i>		-2.443398014
delta-like 1 homolog (<i>Drosophila</i>)	<i>Dlk1</i>		-2.406050072
calpain 6	<i>Capn6</i>		-2.369273002
RIKEN cDNA 2610028F08 gene	<i>2610028F08Rik</i>		-2.315158732
inactive X specific transcript	<i>Xist</i>		-2.244924097

Grey shading indicates that the changes in expression were verified by in situ hybridization.