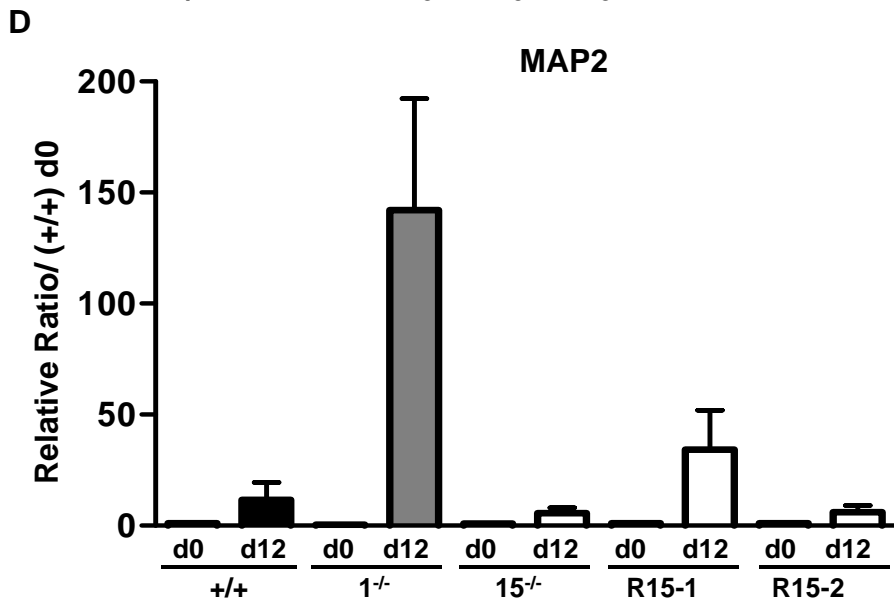
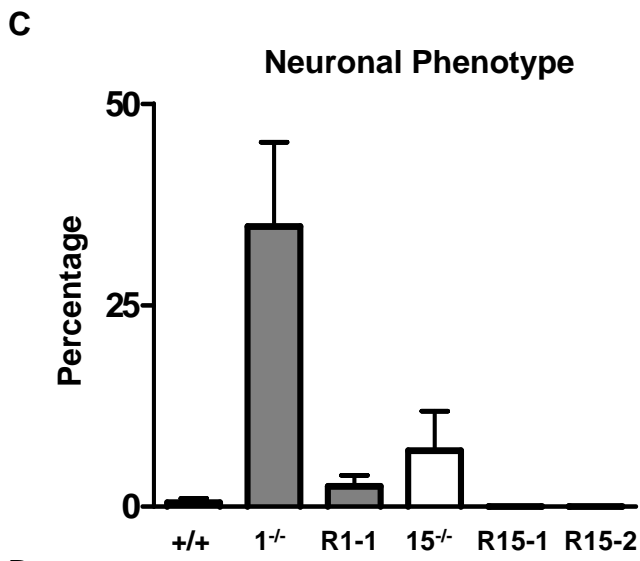
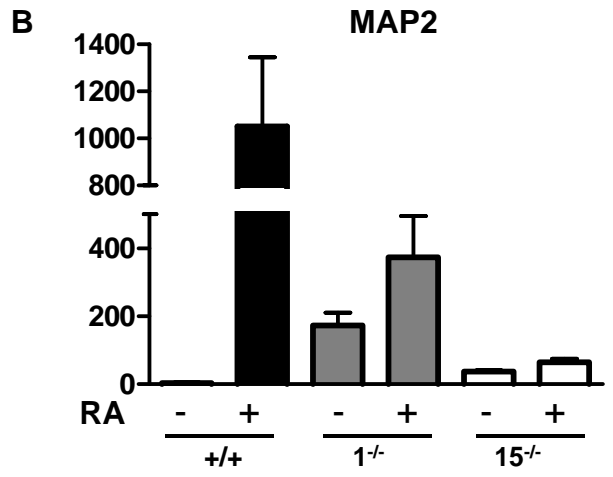
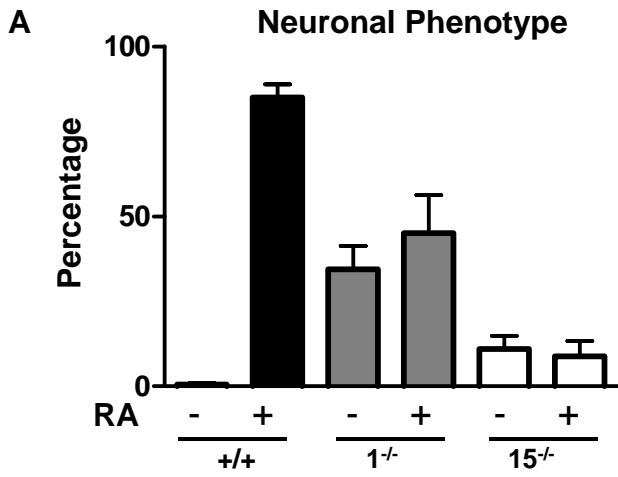
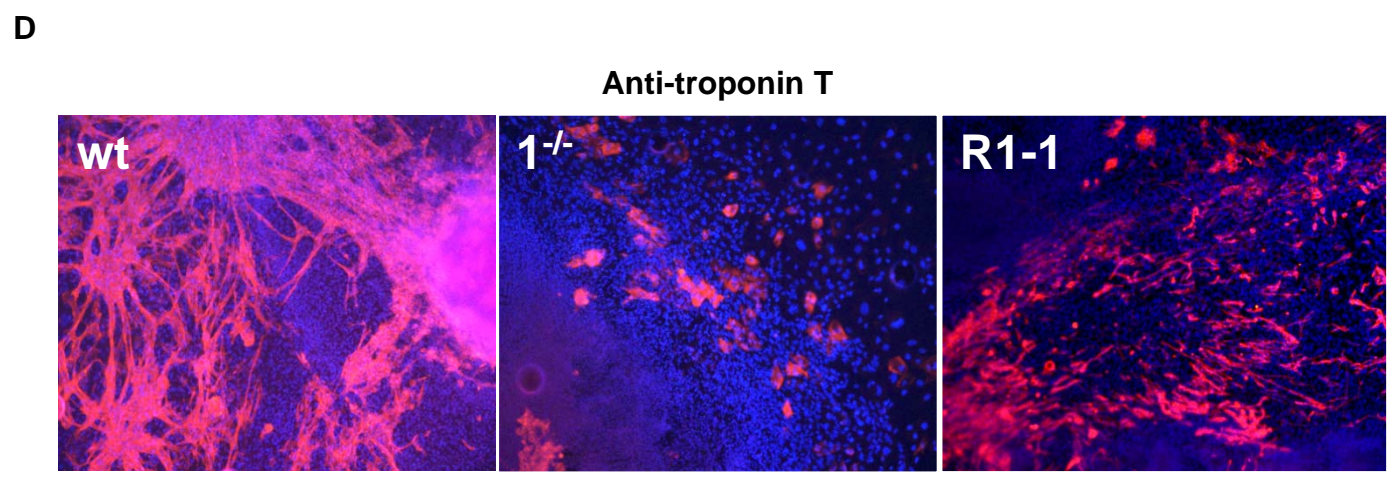
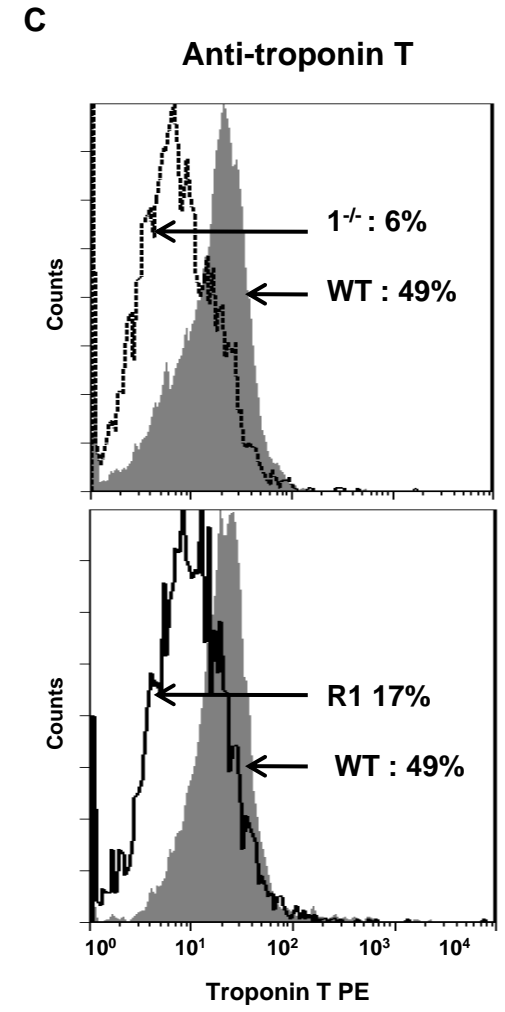
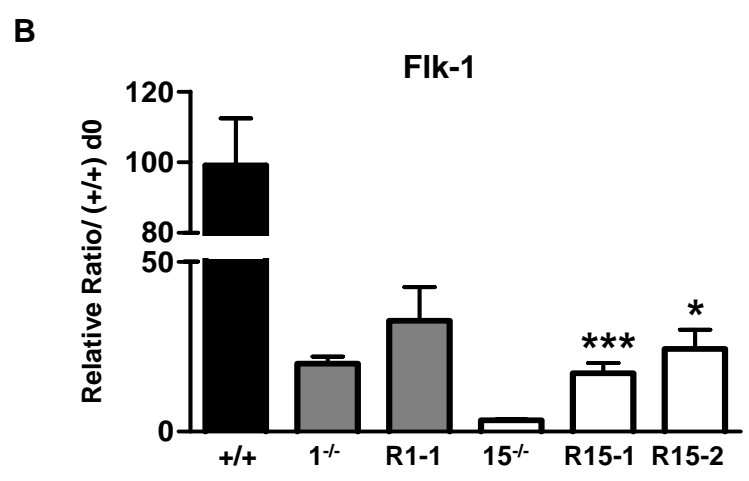
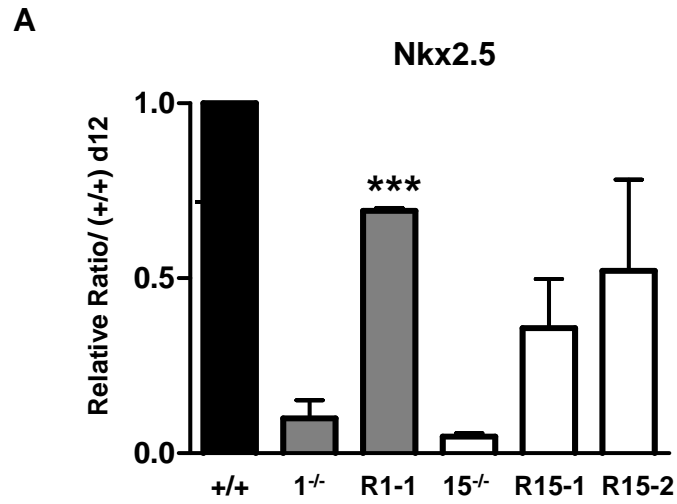
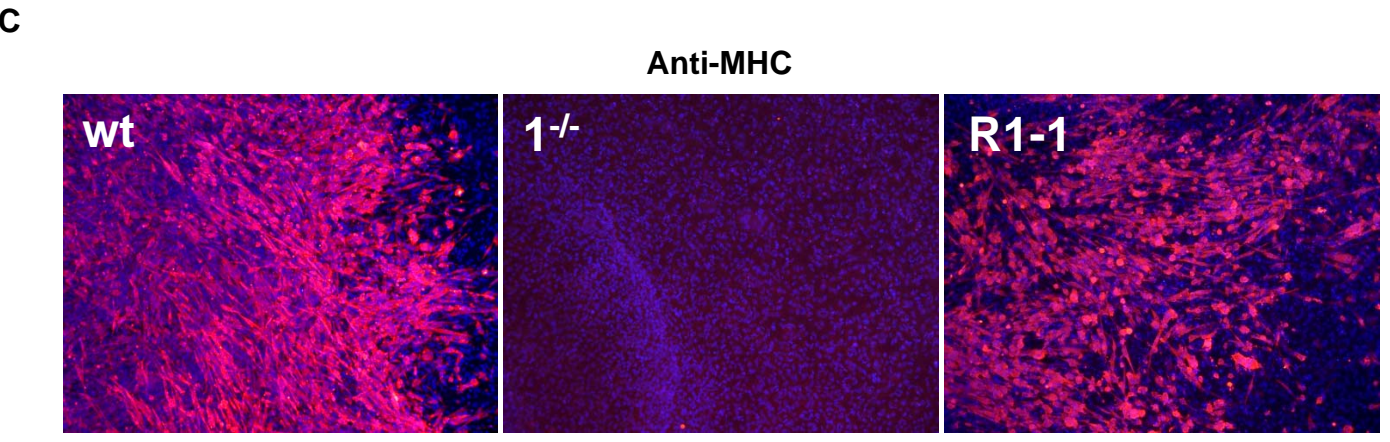
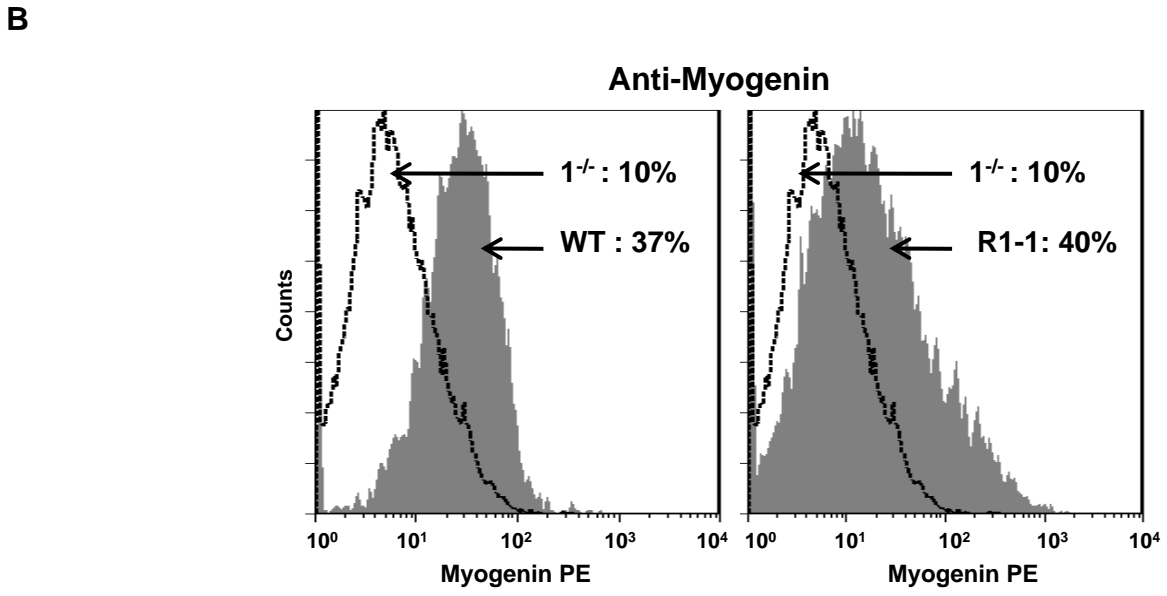
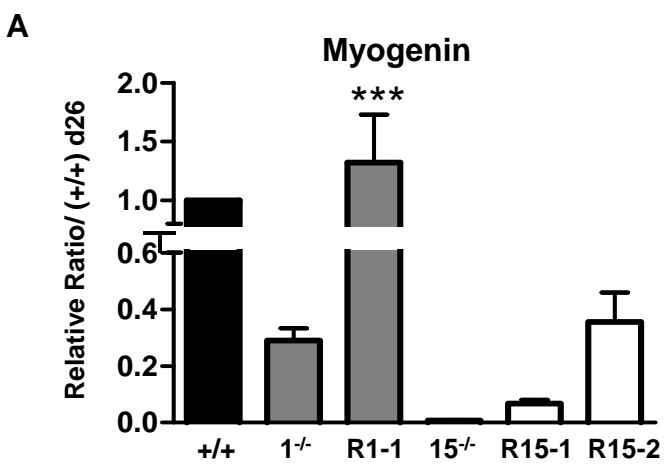
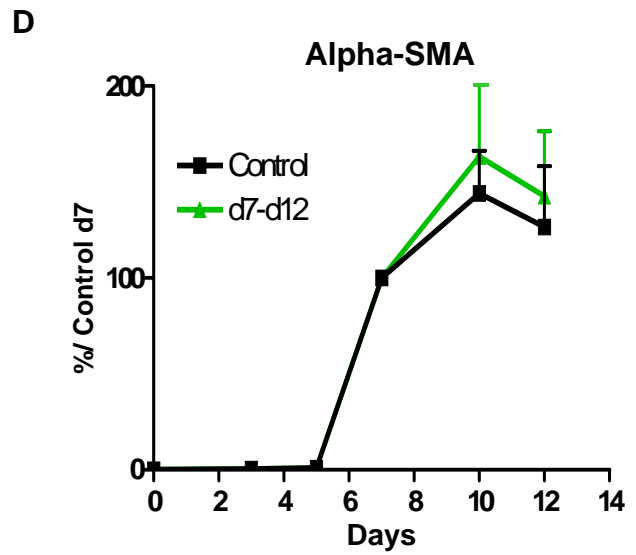
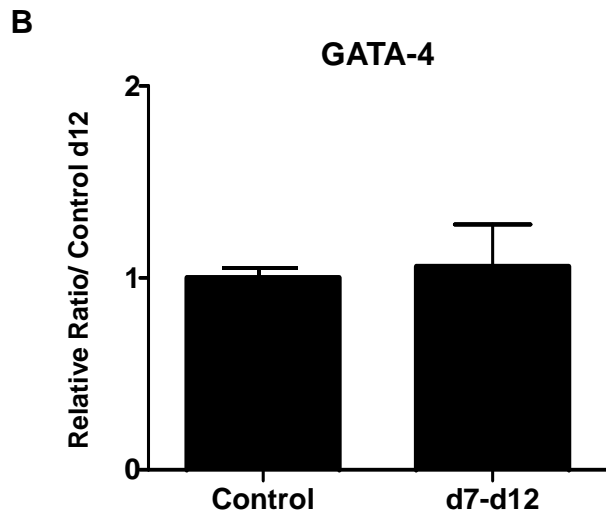
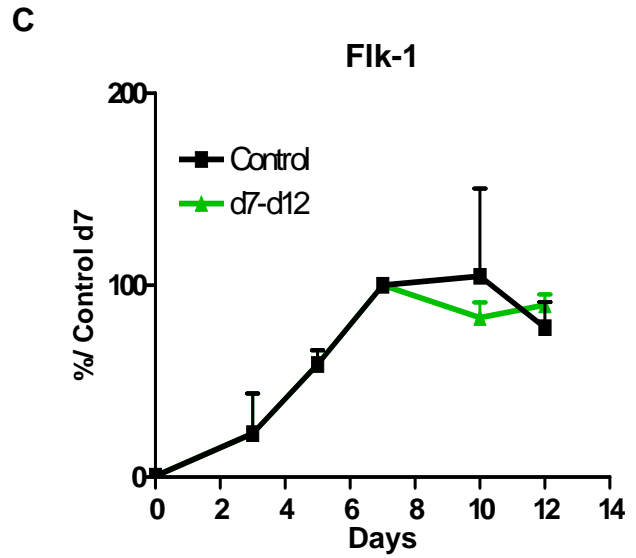
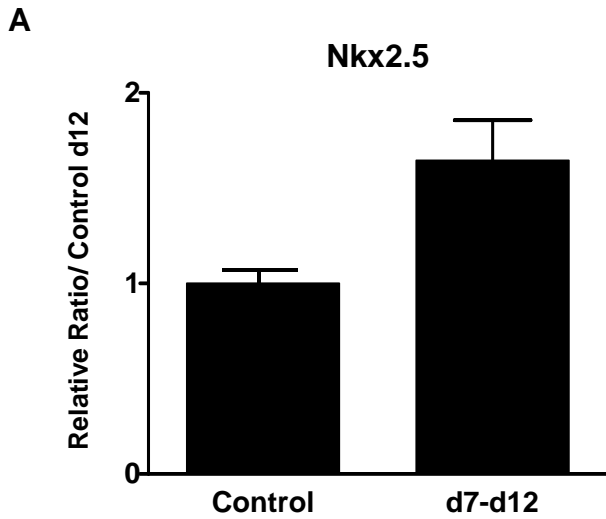


Barruet et al., revised, Supp. data 2



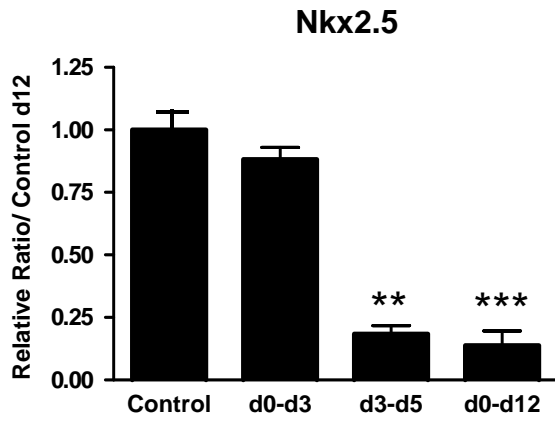




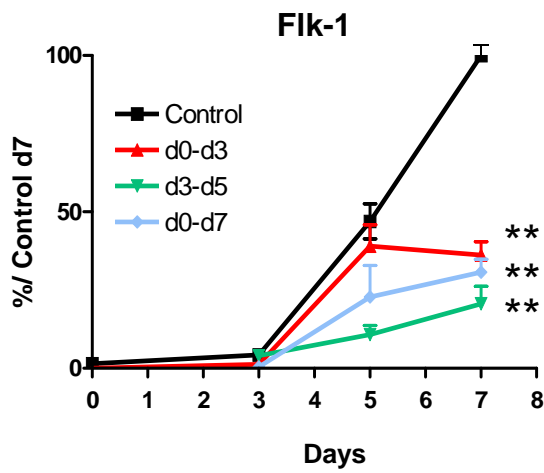


Barruet et al., revised, Supp. data 7

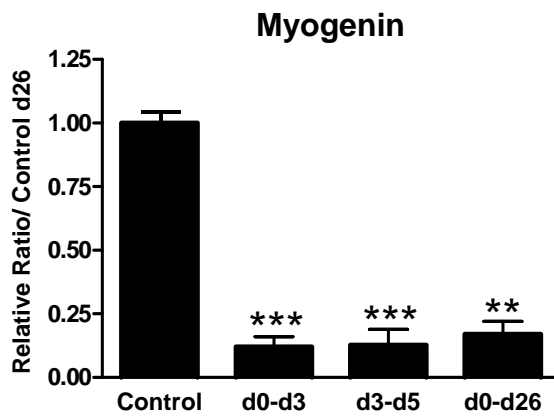
A



B



C



Barruet et al., revised, Supp. data 8:

primer sequences for real time RT-PCR

Gene	Forward 5'→3'	Reverse 3'→5'
<u>Housekeeping gene</u>		
36B4	TCCAGGCTTTGGGCATCA	CTTTATCAGCTGCACATCACTCAGA
<u>Endothelial cells</u>		
Flk-1	TCTGTGGTTCTGCGTGGAGA	GTATCATTTCCAACCACCCT
PECAM	GTCATGGCCATGGTCGAGTA	CTCCTCGGCGATCTTGCTGAA
Tie-2	ATGTGGAAGTCGAGAGGCGAT	CGAATAGCCATCCACTATTGTCC
vWF	AACCTGCCAGAGCCTGTCTA	GTTGCAGTCTTGAGAGAGGG
<u>Smooth muscle cells</u>		
Alpha-SMA	GAGAAGCCCAGCCAGTCG	CTCTTGCTCTGGGCTTCA
<u>Cardiomyocytes</u>		
Nkx2.5	ACCTTTCTCCGATCCATCCCCTT	GCGTTAGCGCACTCACTTTAATGG
GATA-4	TTCCTTGTCTCATCACCCACAGA	GACAATGTTAACGGGTTGTGGAGG
<u>Neurons</u>		
MAP2	GCATCAACCTGCTGCAATCC	GAGAAGTATTCACAAGCCCTGCTT
<u>Skeletal muscle cells</u>		
MyH1	GGTCGAAGTTGCATCCCTAA	CACAAACACCGATGACTTGG
Myogenin	TAGTCTCTTCTGAAGCCAGTTGC	GGTATCATCAGCACAGGAGACCTT
<u>Early Mesoderm</u>		
Brachyury	GTGACTGCCTACCAGAATGA	ATTGTCCGCATAGGTTGGAG
<u>ES cells</u>		
Nanog	AACGATATGGTGGCTACTCTC	TCGGTTCATCATGGTACAGTC
Oct-4	TGTGGACCTCAGGTTGGACT	CTTCTGCAGGGCTTTTCATGT
<u>Transgene Expression</u>		
pCAG/p38	GACGGTATCGATAAGCTTGC	GTAACGCTCGGGCACCTC