

Supplementary Figure S4 (part 1)

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Targeted gene	gRNA name	gRNA sequence	Mismatches	Potential off-target genes in regulatory regions
<i>CDKN2A</i> (-) Chr9	G1	CTTCCGGCTGGTGCCCCCGG	3	<i>MMP11</i>
<i>CDKN2A</i> (-) Chr9	G2	CCAACCTGGGGCGACTTCAG	3	<i>MOCOS</i>
<i>CDKN2A</i> (+) Chr9	G3	CGCCGTGAGCGAGTGCTCGG	3	<i>PIR</i> , <i>SEMA5A</i> , <i>TMEM14C</i>
<i>CDKN2A</i> (-) Chr9	G4	CCTTGCCTGGAAAGATACCG		none
<i>CDKN2A</i> (-) Chr9	G5	ATTTGAGGGACAGGGTCGGA		none
<i>CPS1</i> (+) Chr2	G2	AAAGAGCAAACCTGGGTGTG	3	<i>HRH1</i> , <i>NACC2</i> , <i>NONO</i>
<i>HHIP</i> (+) Chr4	G4	AGGAACAGAAACGGCGACGG	3	<i>PPA1</i> , <i>RBM39</i>
<i>miR-122-5p</i> (+) Chr18	G2	CTGGATCCCATAAAGGGAGA		none
<i>MT1E</i> (+) Chr16	G1	CGAGCGAACGGGCTCCAAAG		none
<i>MT1M</i> (+) Chr16	G1	GCGGTGCGAACCCAGCCGGG	3	<i>NKAIN3</i>
<i>PTGR1</i> (-) Chr9	G2	GGTGTTCAGCAGGCGGACTG	3	<i>ABCC3</i>
<i>PZP</i> (-) Chr12	G2	AAAAGGGTCATTACTCTCAG		none
<i>TMEM106A</i> (+) Chr17	G1	TCGGGTAACGTTTGAAGAGC		none
<i>TTC36</i> (+) Chr11	G3	GGGAGACACTCCTCACGAAG		none