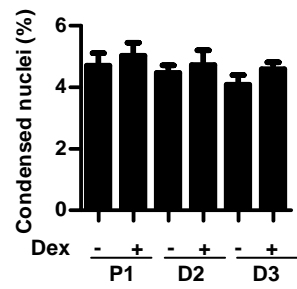
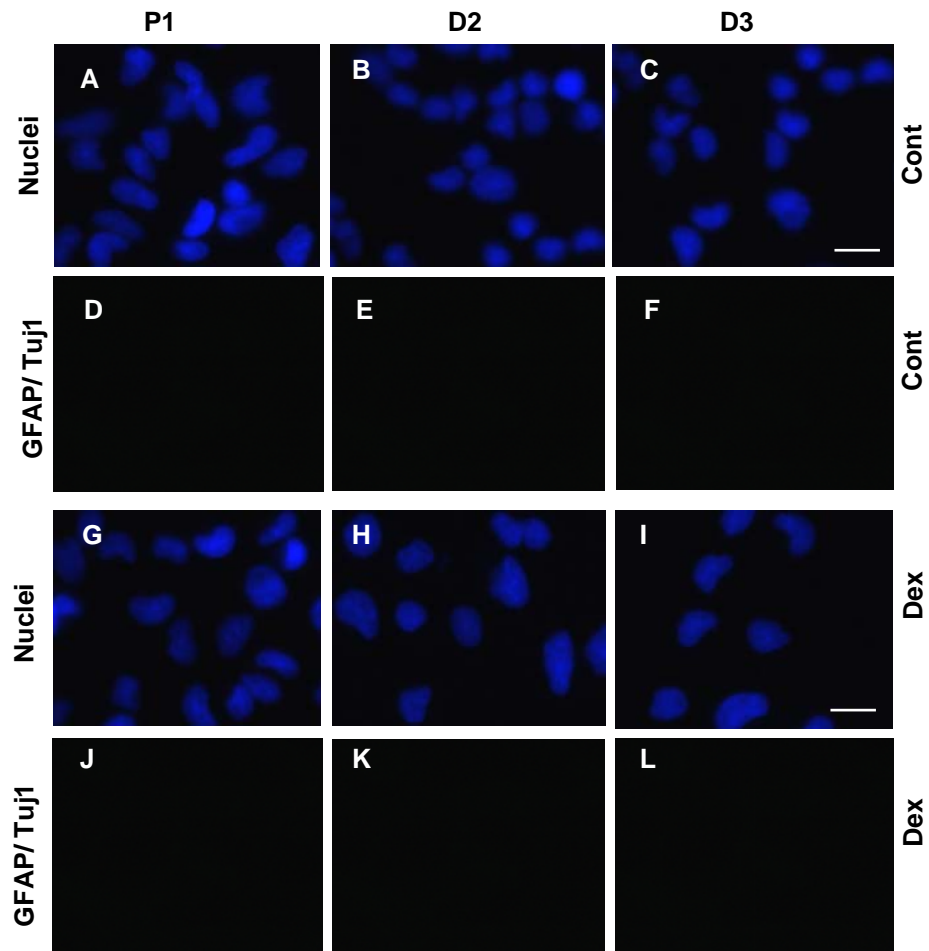


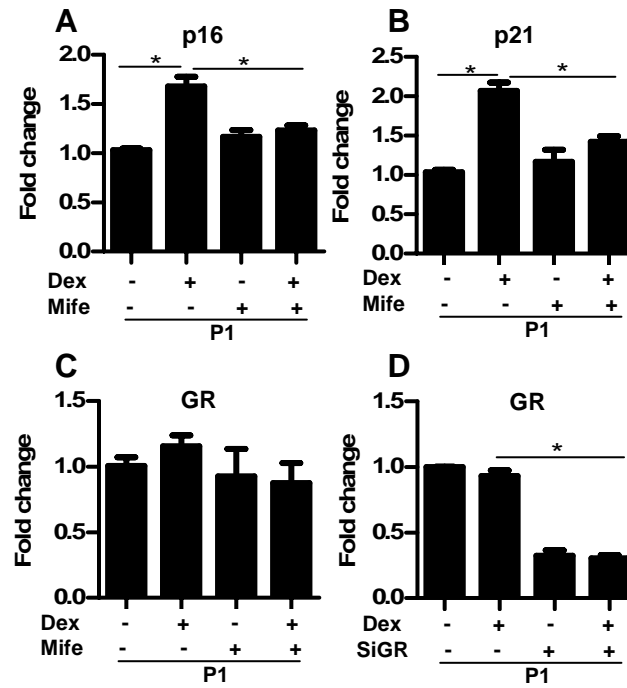
Supplementary Figure 1



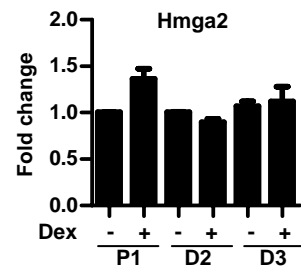
Supplementary Figure 2



Supplementary Figure 3



Supplementary Figure 4



Supplementary Table S1

Functional cluster	Primer name	Forward	Reverse
Cell cycle regulation	p21	acacgctcccagacgtagtt	agcaaagtatgccgtcgtct
	p16	cca gaagtgaagccaaggag	gtgc ggtattgcggtatct
Cellular senescence	Hmga1	caggaa aaggatgggactga	ctgttcttgcttccctcg
	Hmga2	aaggcagcaagaacaagagc	ggactcttgcgag gatgct
	Bmi1	tgtgtcctgtgtgagggtta	cattttgaaaagccctgga
Mitochondrial genes	Nd3	tccgaaaaagcaaaccata	ttggtgtttgaatcgctca
	Cytb	acaaaa tccattccatcca	gttgggaa tggagcgtagaa
Glucocorticoid receptor	GR	tggctcttcagacctcct	gcctgggttggagatcata
DNA methylation	Dnmt1	cca cca cca agctggtctat	tacggccaagttaggacacc
	Dnmt3a	ccaatggagactggagaa	tcgatgttggtctgctctg
	Dnmt3b	gtgaagcggatgatggagat	cctccgagacttgtagctg
Housekeeping gene	Hprt	agggcatatccaacaacaaac	gtcaacgggggacataaaag