



Supplemental Figure S3. Analysis of ^3H -Thymidine incorporation and senescence-associated β -galactosidase activity after reducing miR-24 levels. (A) HeLa and pre-senescent WI-38 (Pdl 48) cells were transfected with AS-miR-24 (100 nM) and 48 hr later they were incubated with 2 μCi ^3H -Thymidine for 16 hr, whereupon ^3H -Thymidine incorporation was measured in all transfection groups using standard procedures. Data were calculated as ^3H -Thymidine incorporation in AS-miR-24-transfected cells relative to that in Ctrl. siRNA, and shown as fold change. Data are the means \pm SD from 3 independent experiments. HeLa cells are deficient in Rb function, and therefore the increase in p16 was not anticipated to inhibit proliferation (as measured here by ^3H -Thymidine incorporation). **(B)** WI-38 cells (Pdl 48) were transfected with either Ctrl. siRNA or AS-miR-24 (100 nM) every 4 days; two weeks later, the levels of senescence-associated β -galactosidase activity was assessed by using a kit from Cell Signaling. The number of β -galactosidase-positive cells was quantified from 3 different experiments (means \pm SEM are plotted); two representative fields from each transfection group are shown.