



Figure S2. Knockdown of *p53* partially recovers the *RPL31* silencing-mediated repression of cell growth and *MDM2* mRNA expression in LNCaP cells. **(A)** Effects of *RPL31* and *p53* knockdown on the expression levels of *RPL31*, *p53*, *MDM2*, and *p21* mRNAs. Cells were transfected with siRPL31, sip53, siRPL31 plus sip53, or siLuc. *RPL31*, *p53*, *MDM2*, and *p21* mRNA levels were analyzed by qRT-PCR, performed in triplicate. mRNA expression was normalized to *GAPDH* and shown as mean \pm s.d. ($n = 3$; **, $P < 0.01$). **(B)** sip53 partially reversed the repression of cell growth induced by siRPL31. LNCaP cells were transfected with 10 nM each siRPL31, sip53, siRPL31 plus sip53, or siLuc. WST-8 cell proliferation assays were performed at the indicated time points. The absorbance values were measured using a microplate reader at 450 nm. Data are presented as mean \pm s.d. ($n = 4$; **, $P < 0.01$).