

S1 Figure: Detailed representation of the full model. Arrow-headed dashed lines indicate transcriptional regulation, arrow-headed solid lines – protein transformation, circle-headed solid lines – positive influence, hammer-headed dotted lines – ubiquitination by Mdm2 leading to protein degradation. The subscripts n or c denotes either nuclear or cytoplasmic localization of Mdm2. Bold 'P' and non-bold 'U' denote phosphorylated and unphosphorylated states of given residues, respectively. Pro-survival and cycle-promoting proteins are represented with blue boxes, pro-apoptotic proteins with yellow boxes, proteins involved in cell cycle arrest with green boxes, while the remaining proteins and protein complexes are left in grey boxes.