

Supplementary:

p53 Phosphomimetics Preserve Transient Secondary Structure but Reduce Binding to Mdm2 and MdmX

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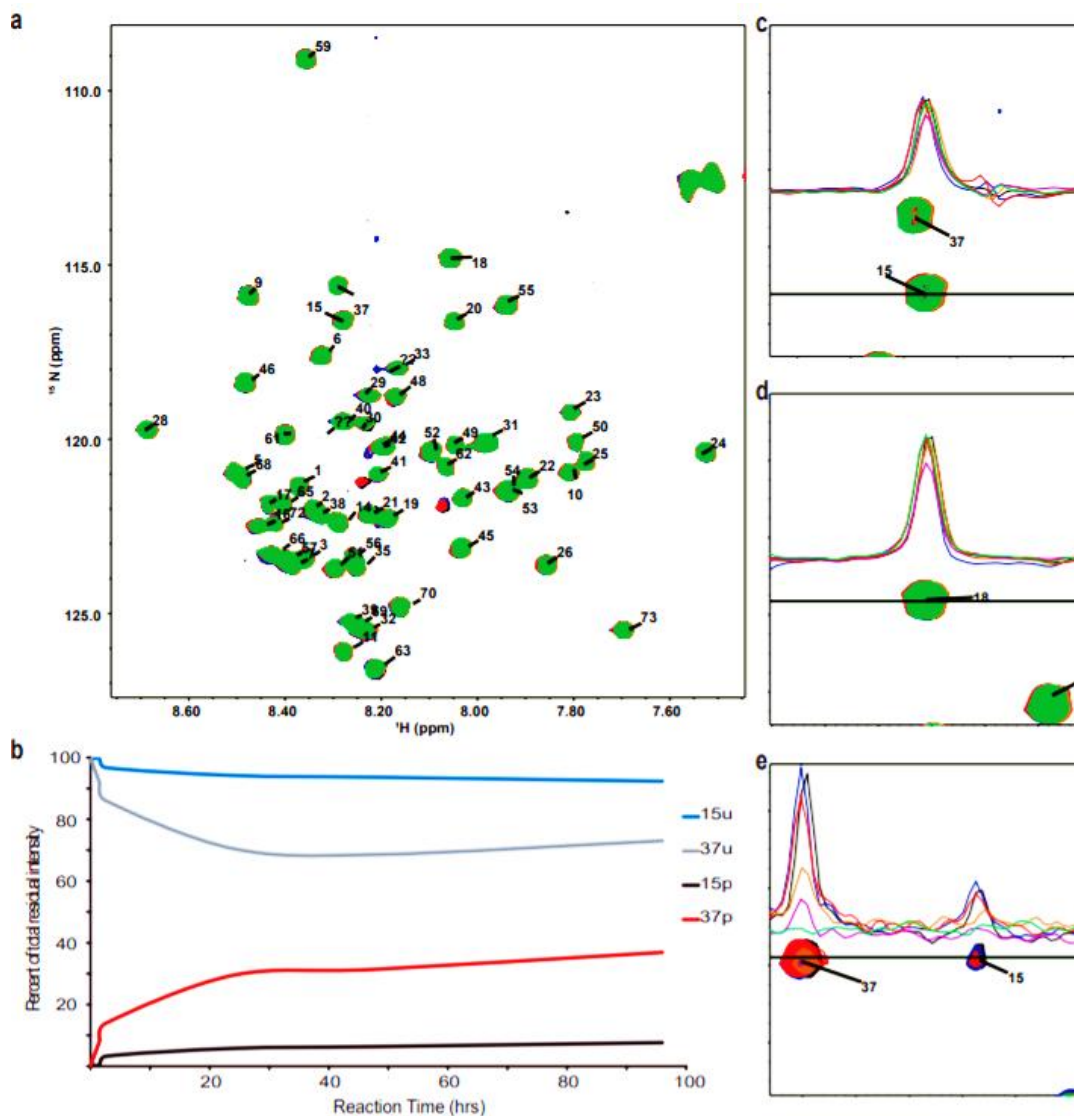


Figure S1. Partial phosphorylation yields no chemical shifts in the primary Mdm2 binding region. (a) The overlaid spectra of p53WT TAD1-73 unphosphorylated (green) overlaid with 1.5 h (purple), 2.5 hour (orange), 24 h, (red) 48 h (blue) and 96 h (black) incubations with DNA-PK. (b) shows the percent of total residual intensity for the phosphorylated (p) peak, or the unphosphorylated (u) peak over the sum of the two peaks as a function of incubation time. (c) shows the zoomed in overlay of unphosphorylated peaks for S15 and S37 with a 1d slice of the 1H for S15. (d) The zoomed in overlay of T18 with a 1d 1H slice. (e) The zoomed in overlay of the phosphorylated peaks of S37 and S15 that occur downfield of the main spectra with a 1d 1H slice running through both.