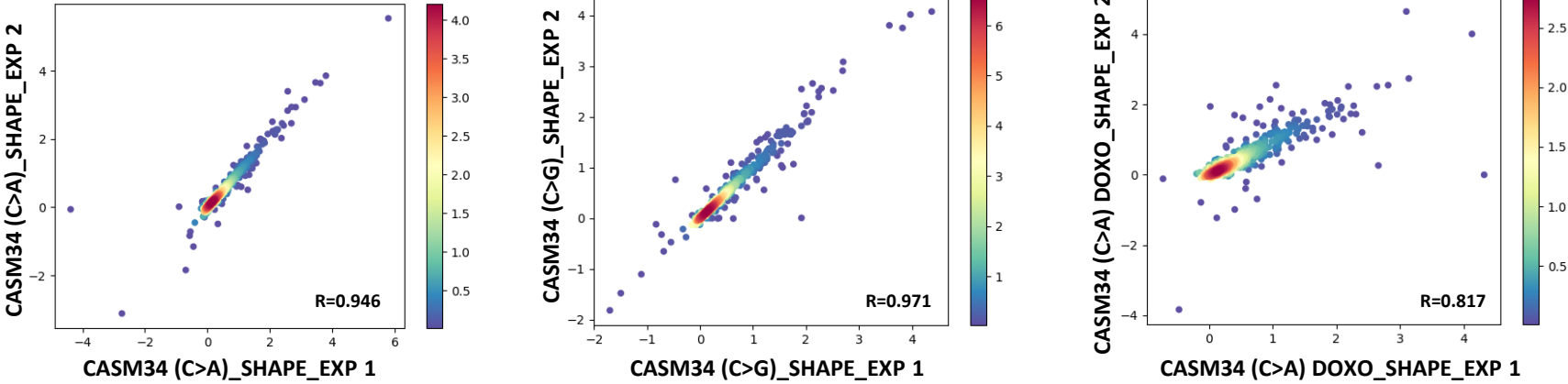


Spearman's Correlation analysis of SHAPE-MaP biological replicates-related to Figures 1 and 2



Delta SHAPE analysis p53-WT vs CASM34 c.102C>G-related to Figure 1

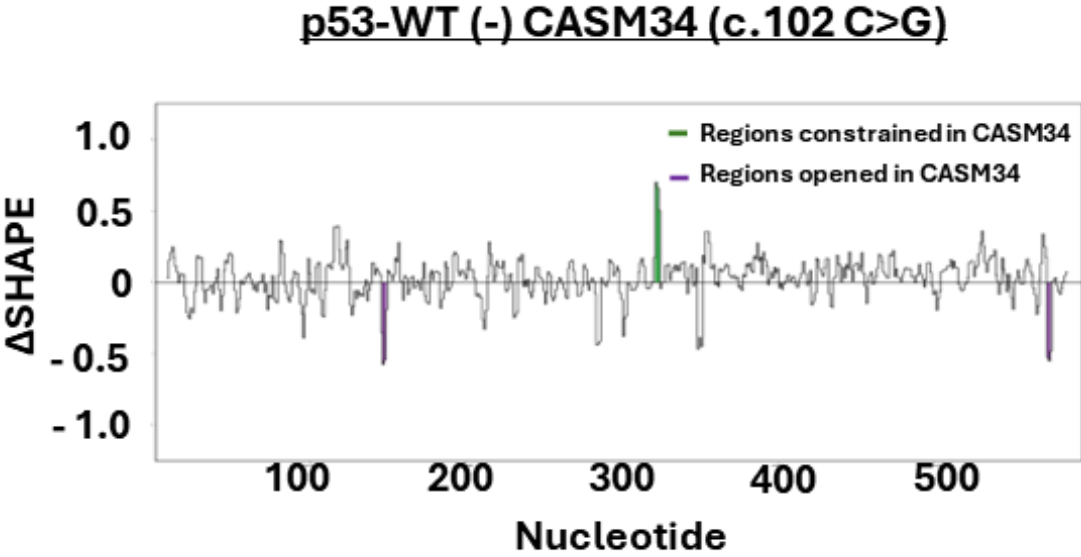
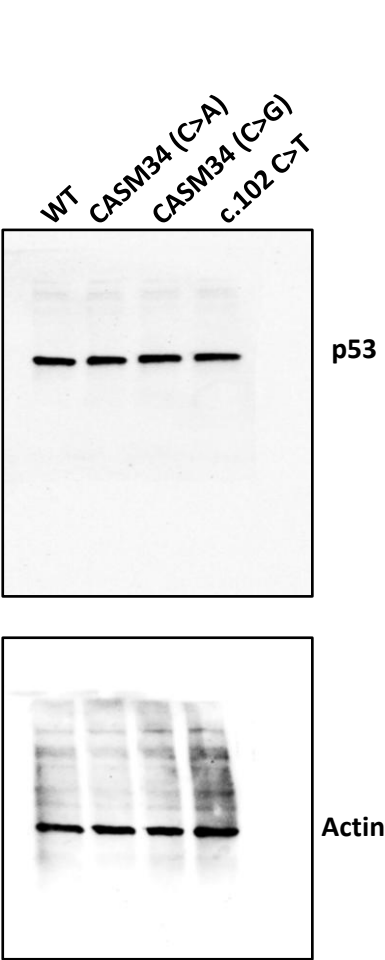
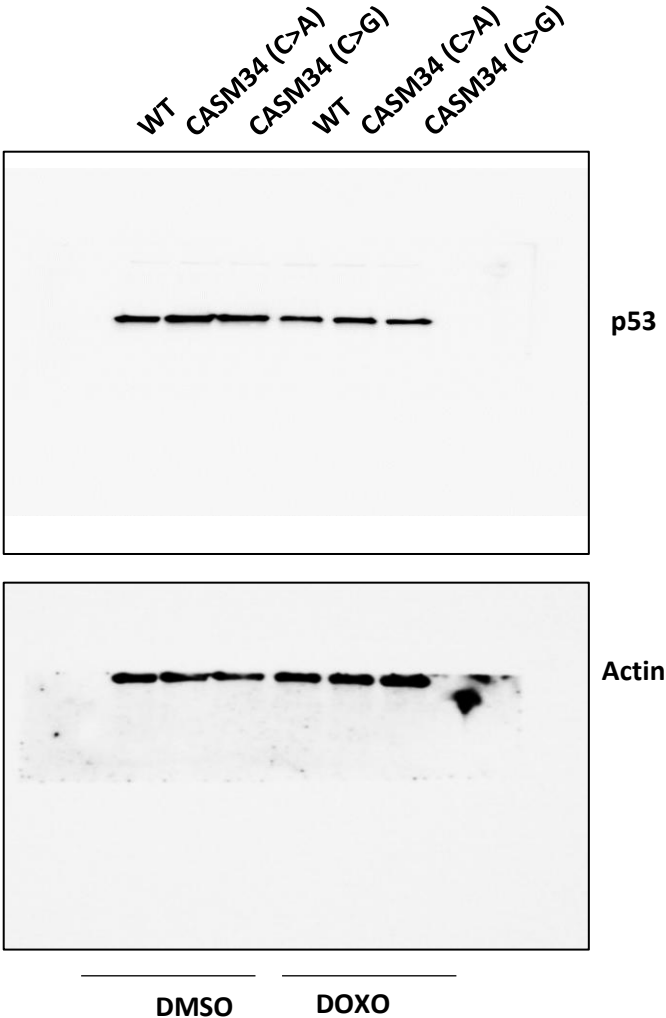


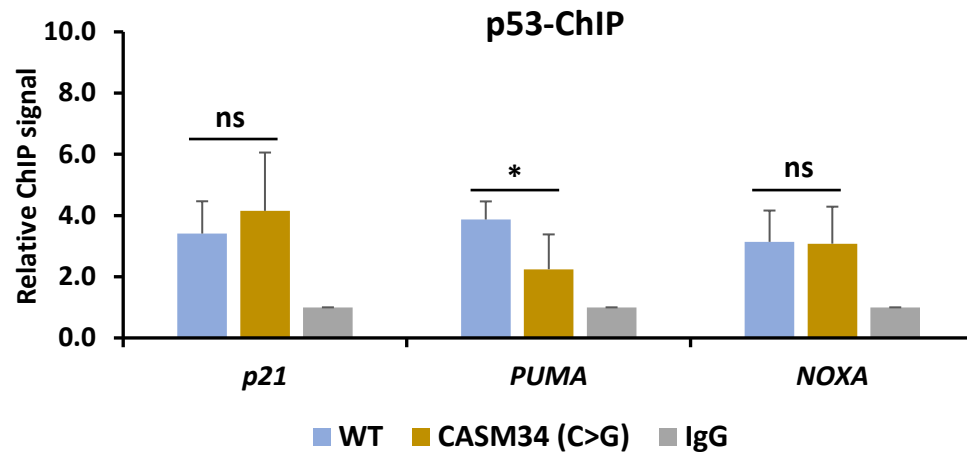
Figure 3A



Supplementary Fig 4A



Related to Supplementary Figure 5



p53-WT and CASM34 (c102. C>G) ChIP, showing the p53 binding with the promoters of its indicated downstream targets. Relative ChIP signal was normalized with corresponding IgG antibody controls are plotted. For RT-qPCR and ChIP-qPCR, mean $\pm$ s.d of three independent experiments are plotted. Statistical significance was calculated using unpaired t-test (*** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$; ns-not significant).

Related to Figure 3

Primers used in RT-qPCR:

SFN (14-3-3-σ)

forward 5'-TGCTGGACAGCCACCTCATCAA-3'

reverse 5'-GGCTGAGTCAATGATGCGCTTC-3'

BBC3 (*PUMA*)

Forward 5'-GACCTCAACGCACAGTA-3'

Reverse 5'-CTAATTGGGCTCCATCT-3'

ACTIN (*ACTB*)

forward 5'-TCACCCACACTGTGCCCATCTACGA-3'

reverse 5'-TGAGGTAGTCAGTCAGGTCCCG-3'

CDKN1A (p21)

forward 5'-CCTCAAATCGTCCAGCGACCTT-3'

reverse 5'-CATTGTGGGAGGAGCTGTGAAA-3'

PMAIP1 (*NOXA*)

forward 5'-TAAAGCAAGAATGGAAGAC-3'

reverse 5'-GACCGAAGAAATCAACAC-3'

Primers used in ChIP-qPCR:

CDKN1A (p21)_{Chip}

forward 5'-GTGGCTCTGATTGGCTTTCTG-3'

reverse 5'-CTGAAAACAGGCAGCCCAAG-3'

SFN (14-3-3-σ)_{Chip}

forward 5'-CTTGAAACCCTGTAGCATTAGC-3'

reverse 5'-GGGACCAAAGACGAGATCCTT-3'

BBC3 (*PUMA*)_{Chip}

Forward 5'-GCGAGACTGTGGCCTTGTGT-3'

Reverse 5'-CGTTCCAGGGTCCACAAAGT-3'

PMAIP1 (*NOXA*)_{Chip}

forward 5'-CAGCGTTTGCAGATGGTCAA-3'

reverse 5'-CCCCGAAATTACTTCCTTACAAAA-3'