Supplementary Materials for

TMEM206 Contributes to Cancer Hallmark Functions in Colorectal Cancer Cells and Is Regulated by p53 in a p21-Dependent Manner

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- **Figure S1:** Validation of HCT116 p53, TMEM206, and p53/TMEM206 knockout clones
- **Figure S2:** TMEM206 Promoter region and adjacent sequences

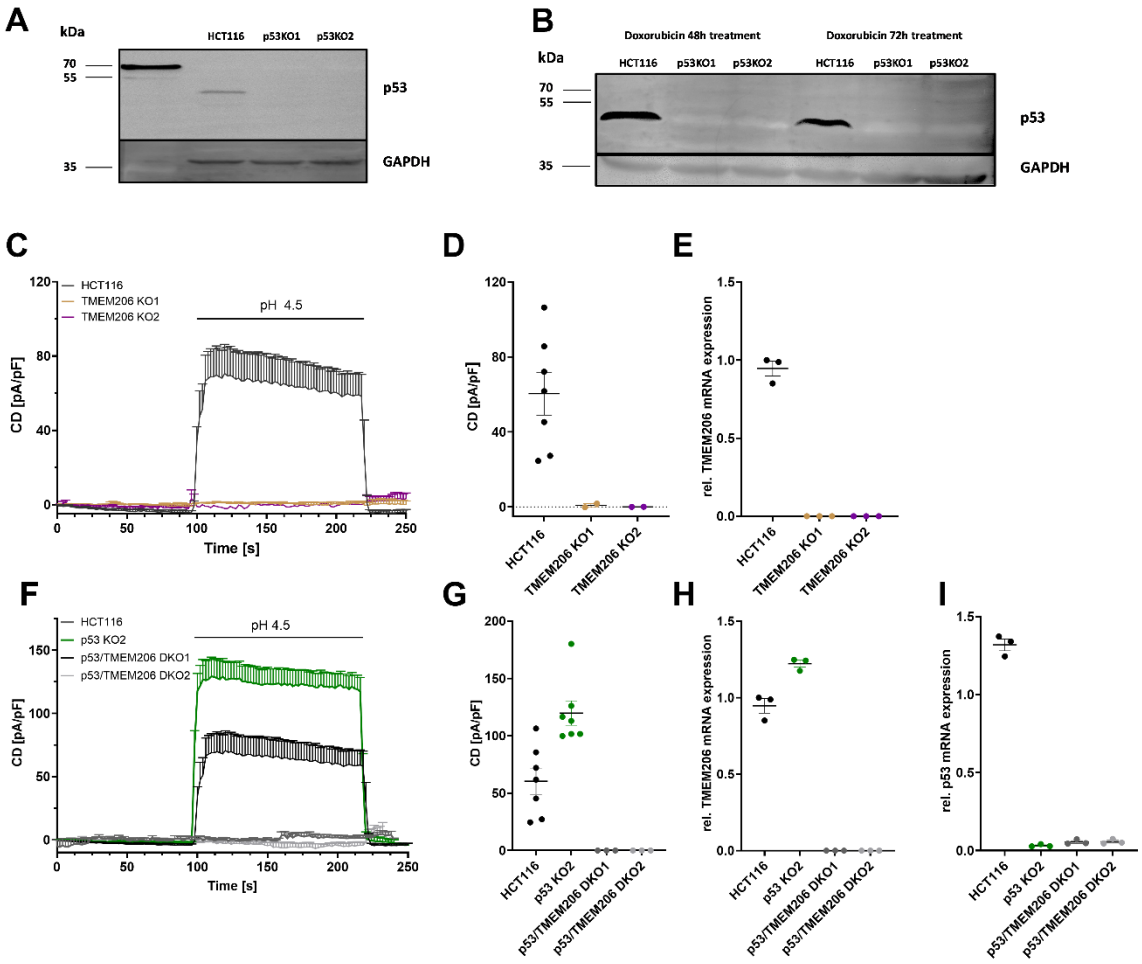


Figure S1: Validation of HCT116 p53, TMEM206, and p53/TMEM206 knockout clones. (A) p53 protein expression in HCT116 versus p53 KO1 and p53 KO2. (B) p53 protein expression in HCT116 versus p53 KO1 and p53 KO2 48 and 72 hours after p53-stabilizing doxorubicin treatment. (C) TMEM206-mediated currents in HCT116 versus TMEM206 KO1 and TMEM206 KO2 as functional readout of protein expression. (D) Current densities extracted from (C) at t = 218 s. (E) Relative TMEM206 mRNA expression in HCT116 versus TMEM206 KO1 and TMEM206 KO2. (F) TMEM206-mediated currents in p53 KO2 versus p53/TMEM206 DKO1 and versus p53/TMEM206 DKO2 as functional readout of TMEM206 protein expression. Currents of HCT116 have been included for reference. (G) Current densities extracted from (F) at t = 218 s. (H) Relative TMEM206 mRNA expression in p53 KO2 versus p53/TMEM206 DKO1 and p53/TMEM206 DKO2. (I) Relative p53 mRNA expression in p53 KO2 versus p53/TMEM206 DKO1 and p53/TMEM206 DKO2.



CCTGGGCGGCAGCGGCCAGGCGCATGCGCCGAGTATCGCCACGCCTGGTCTCTGGGACGC Promoter region

AACCTAGCTTTGGGAAAGTCC p53 Response element

CTCTGGGACGCCCCTCCGGACCGGTTTCGCCTCGCGGAGCCGGTAGGTCCAGGTGCAGCGGCCGCAGTGCTGCGTCCGTGCGCCGCGGGCTGGG
GCGGTCTCAG
GTGTGCCGAAGCTCTGGTCAGTGCCATGATCCGGCAGGAGCGCTCCACATCCTACCAGGAG Exon 1

ATG START CODON

GTACGAGGTTGTGAGAGACGGAAGG START INTRON 1

Figure S2: TMEM206 promoter region and adjacent sequences. Putative p53 response element highlighted in light blue.