Supplementary Materials

TET2 downregulation limits oxidative stress-induced cytotoxicity of high dose ascorbate in dabrafenib-resistant melanoma cells

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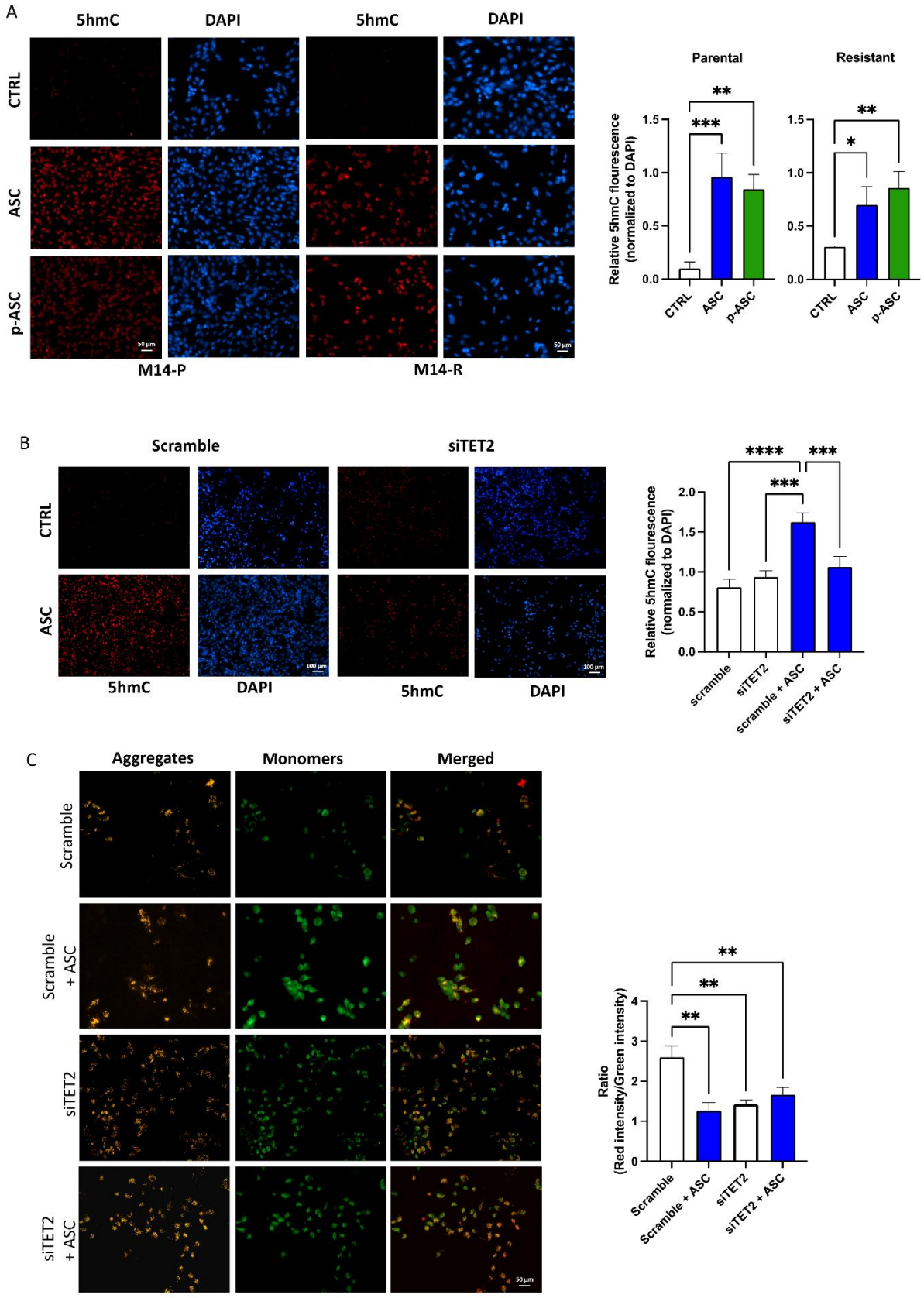

Supplementary Figure 1. Analysis of the pro-oxidant and epigenetic effects ASC and TET2 in M14 cells. A) Representative images and fluorescence quantification of 5hmC levels in M14-P and M14-R treated with/without 0.5 mM ASC or p-ASC; Scale bar = 50 µm. B) Representative images and fluorescence quantification of 5hmC levels in M14-R cells silenced for TET2 and treated with/without 0.5 mM ASC for 24 h; Scale bar = 100 µm. C) Representative images and fluorescence quantification of mitochondrial polarization measured by JC-1 in M14-R silenced for TET2 and treated with/without 0.5 mM ASC for 24 h; Scale bar = 50 µm. Statistical analysis in all bar graphs was performed by one-way ANOVA. $^{*}p < 0.05$; $^{**}p < 0.01$; $^{***}p < 0.001$; $^{****}p < 0.0001$.