

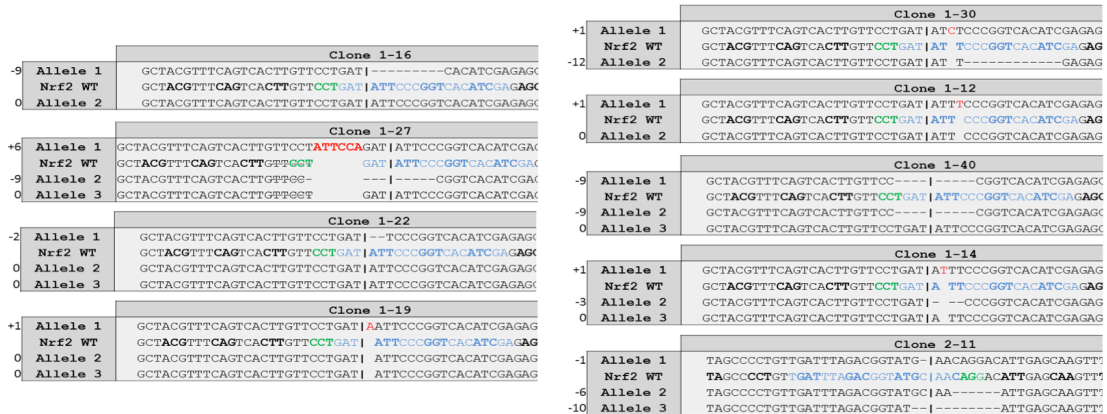
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Supplemental Information

Functional Gene Knockout of *NRF2* Increases Chemosensitivity of Human Lung Cancer A549 Cells *In Vitro* and in a Xenograft Mouse Model

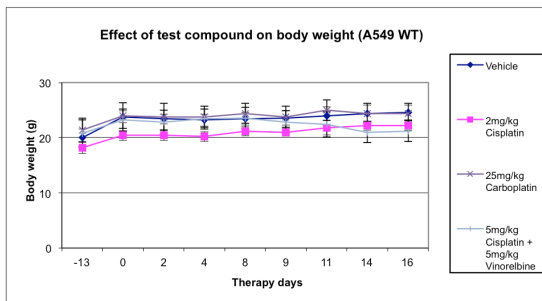
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Supplemental Figure 1

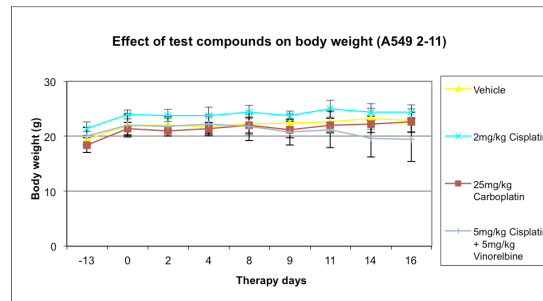


Supplemental Figure S1. Allelic profiles of NRF2 KO clones. A549 cells for NRF2 knockout by CRISPR/Cas9 were clonally isolated and genetically analyzed by Sanger sequencing and TIDE. Allelic Indel profiles for each clone are shown.

Supplemental Figure 2A



Supplemental Figure 2B



Supplemental Figure S2. Effects of NRF2 KO and chemotherapy on body weight of xenograft mice. Average body weights of mice treated with either saline, cisplatin, carboplatin or cisplatin and vinorelbine with wild type A549 (A) or NRF2 knockout A549 (B). Error bars represent \pm SD.