



Figure S5. Lung tumor burden, size, and number quantification in the *Kras*^{G12D/+}; *p53*^{fl/fl} model with single copy *Nrf2* deletion. (A) Overall tumor burden (%) calculated by dividing the total area of lung tumor by the total area of the lung. (B) Median tumor size per mouse for each genotype. For (A, B), **p*<0.05 (one-way ANOVA). (C) Tumor size across all mice per genotype. N=7 mice and $\geq 1,000$ tumors per genotype. **p*<0.05 (Kruskal-Wallis test with Dunn's multiple comparisons test). \$ = fewer than 3 tumors detected across all mice. (D) Tumor number per mouse normalized to lung area. **p*<0.05 (one-way ANOVA). (E) Distribution of tumor number by grade across *Keap1/Nrf2* mutant models. N=7 mice per genotype, **p*<0.05 (unpaired t test with Holm-Sidak's multiple comparisons test). \$ = fewer than 3 tumors detected across all mice. For (C) and (E), only one grade 4 and two grade 5 tumors were found in the *Keap1*^{R554Q/R554Q}; *Nrf2*^{+/+} cohort, and therefore were excluded from these analyses.