

SUPPLEMENTAL FIGURE 1: Distribution of ¹⁸F-FDOPA and ¹⁸F-FDG uptake metrics during longitudinal treatment and imaging. (A) TACs for ¹⁸F-FDOPA (left) and ¹⁸F-FDG (right), with statistical significance calculated with 2-way ANOVA with repeated measures and Bonferroni comparisons post-test. (B) TLA (left) and TLG (right) were calculated for each week, as were (C) SUV_{Max} and (D) total uptake from ¹⁸F-FDOPA and ¹⁸F-FDG TACs. Time points (weeks 1 and 2) were relative to pre-treatment baseline (week 3 post tumor implantation). Statistical significance for the individual comparisons was calculated using 1-way ANOVA with Tukey post-hoc test (*p<0.05, **p<0.01, ***p<0.001).



SUPPLEMENTAL FIGURE 2: Immunohistochemistry of CD31 (top) and CD98 (bottom) for representative (A) untreated and (B) treated tumors with initialization of melphalan therapy at week 2 post tumor implantation. Expression for each stain was visualized as a maximum intensity projection (63X magnification; 20µm scale bar) separately and as a composite with GFP (green) and DAPI nuclear stain (blue).