

## SUPPLEMENTAL FIGURES

**Supplemental Figure 1.** Change in  $SUV_{max}$  values measured in individual HT-29 tumor xenografts after two injections of bev compared to untreated tumors. ( $p=0.0003$ )

**Supplemental Figure 2.** Changes in HT-29 tumor  $SUV_{max}$  values measured with  $^{64}\text{Cu}$ -MM-DX-929/PET. Lines represent  $SUV_{max}$  values for individual tumors in mice treated with bev (A) or tumors in untreated mice (B).

**Supplemental Figure 3.** Percentage of total tissue area occupied by CD34 positive vessels in untreated and bev treated tumors. CD34 positive vessels were identified and diameters measured over a total of  $1\text{ cm}^2$  of tumor. Total vascular space per sample was determined by summation of the areas occupied by each vessel, as a percentage of total surveyed area. This can be represented as  $A_{\text{vasc}} = \{\sum[\pi*(d/2)^2]_{1 \rightarrow n}\}/\text{cm}^2$ .

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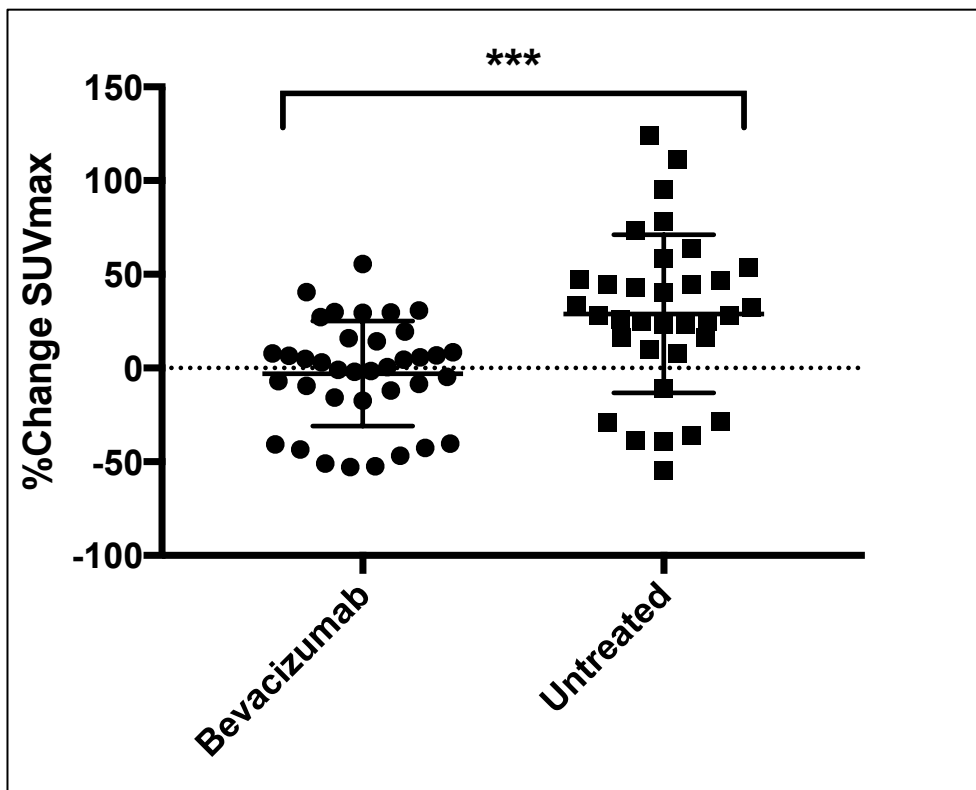
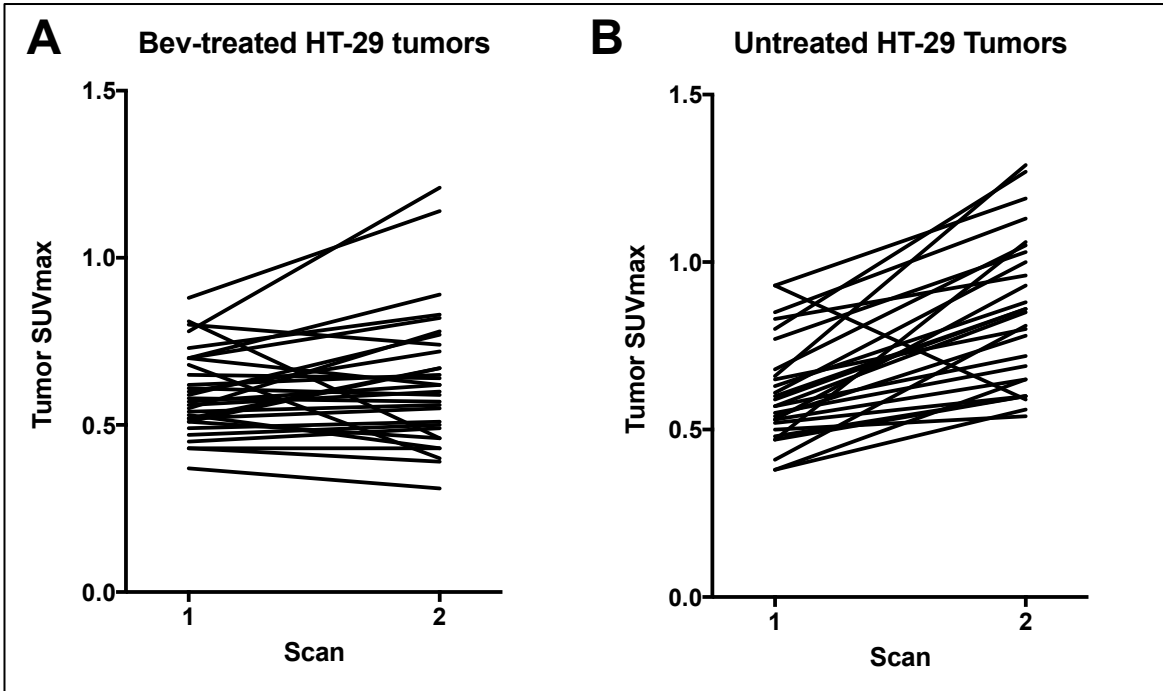
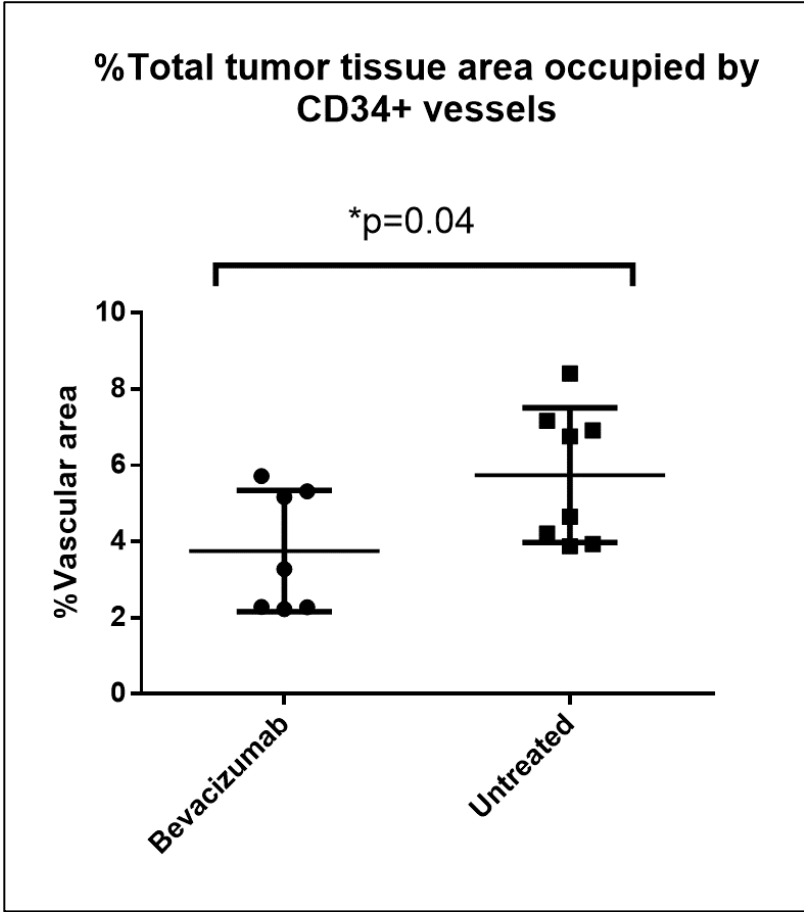


Figure S1.



**Figure S2.**



**Figure S3.**