



Supplementary Figure 4. Optical density quantification of P-Erk1/2 staining in TBP mice with and without TM treatment.

A) Representative image of Hematoxylin stained (purple) and immunohistochemically anti-P-Erk1/2 antibody stained (brown) thyroid section isolated from a TBP mouse euthanized at the 8-week fixed endpoint after being treated with vehicle (*left*) or TM (*right*).

B) Boxplot of P-Erk1/2 staining optical density per tumor (17 tumors from 8 mice in each cohort) at the 8-week fixed endpoint in TBP mice treated with either vehicle or TM.

C) Representative image of Hematoxylin stained (purple) and immunohistochemically anti-P-Erk1/2 antibody stained (brown) thyroid section isolated from a normal thyroid (*left*), and the non-tumor thyroid portions of a TBP mouse euthanized at the 8-week fixed endpoint after being treated with vehicle (*middle*) or TM (*right*).

ns= not significant.