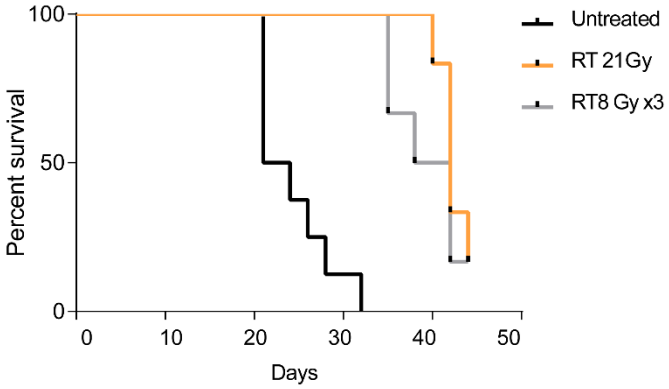
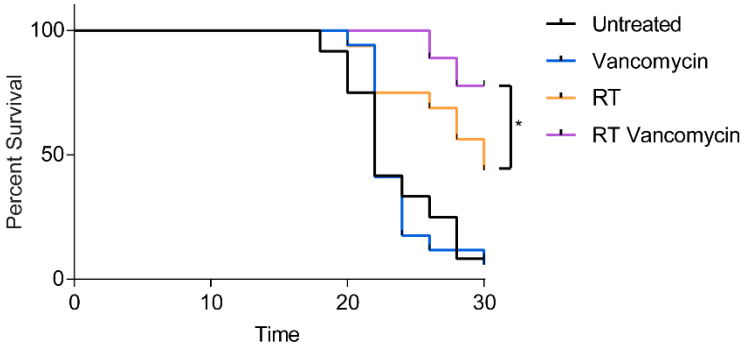
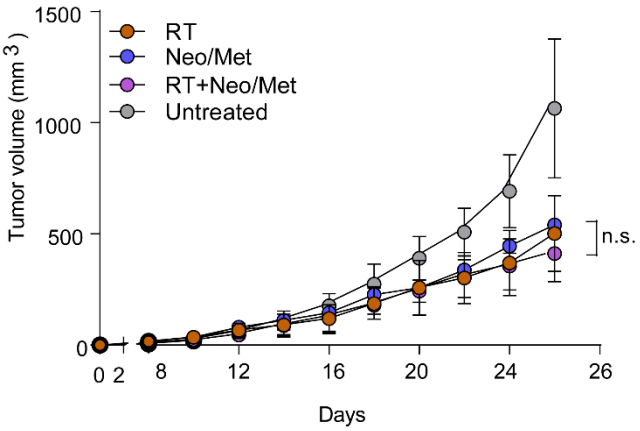
Supplementary Figures



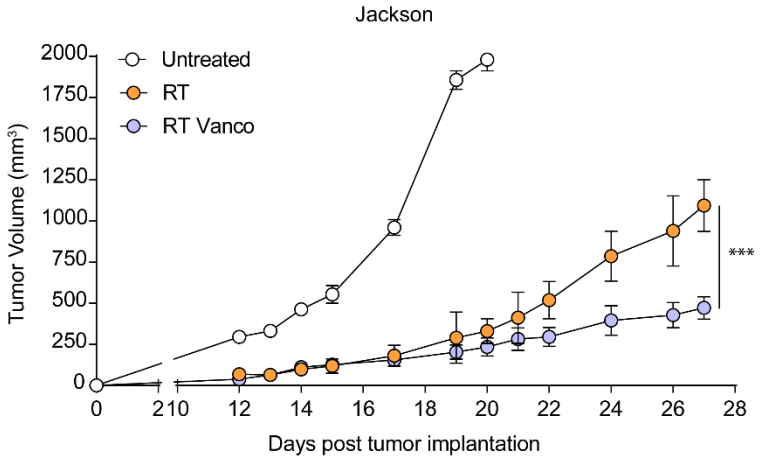
Supplementary Figure 1. Survival plot of mice receiving two different radiation dose treatment: a single dose of 21 Gy or 3 doses of 8 Gy. Includes animals that died or reached the tumor volume average. 6 to 8 mice per group. Statistical significance was assessed by log-rank test.



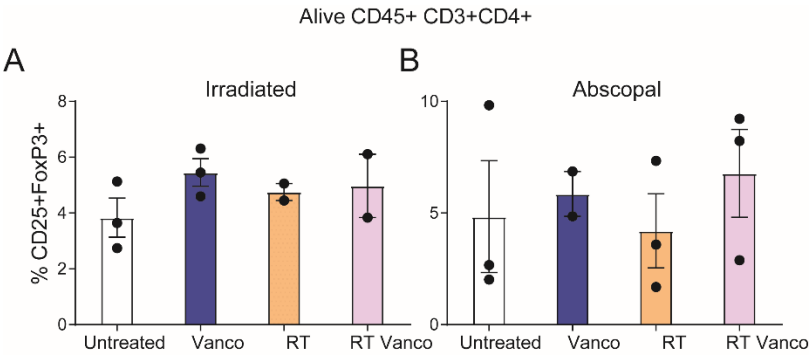
Supplementary Figure 2. Survival plot of mice receiving no treatment (untreated), RT treatment alone (RT), or vancomycin plus RT combination treatment (RT+Vanco). 12 to 18 mice per group. Statistical significance was assessed by log-rank test (*$P < 0.05$).



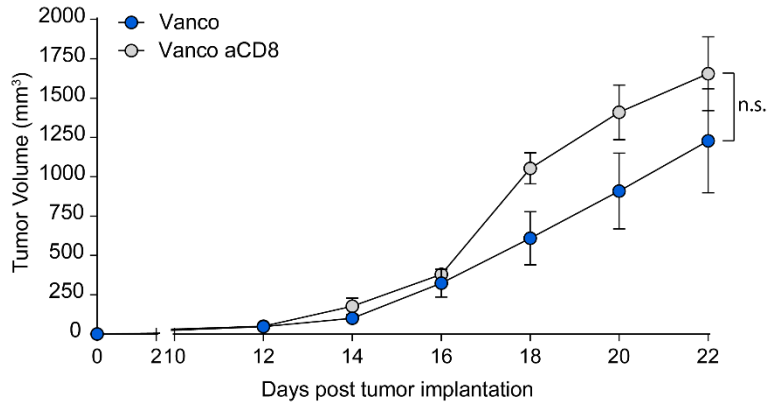
Supplementary Figure 3. Growth curves of B16-OVA irradiated primary tumors from mice receiving no treatment (untreated), Neo/Met treatment alone (Neo/Met), RT treatment alone (RT), or Neo/Met plus RT combination treatment. 5 to 10 mice per group. Mean +/- SEM are shown. Statistical significance was assessed by two-way ANOVA.



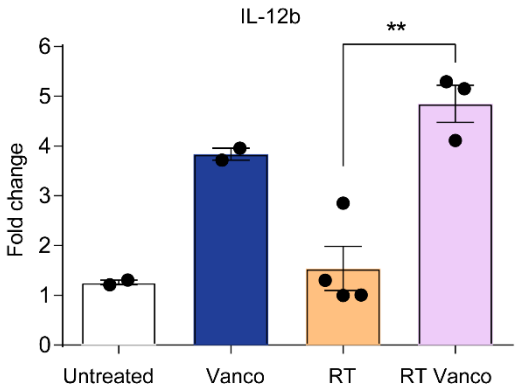
Supplementary Figure 4. Growth curves of B16-OVA irradiated primary tumors from mice purchased from Jackson laboratories receiving no treatment (untreated), RT treatment alone (RT), or vancomycin plus RT combination treatment (RT+Vanco). 5 to 10 mice per group. Mean +/- SEM are shown. Statistical significance was assessed by two-way ANOVA (***$P < 0.001$).



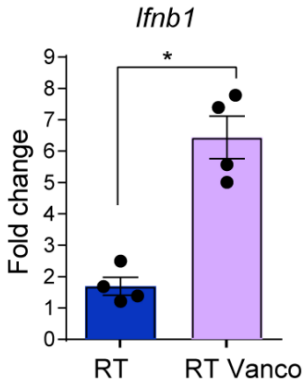
Supplementary Figure 5. Analysis of intra-tumoral Tregs (A) Irradiated and (B) Abscopal tumor from mice treated with each therapeutic approach. Each dot represents a pool of 3 mice. Mean +/- SEM are shown. Statistical significance was assessed by Tukey's test.



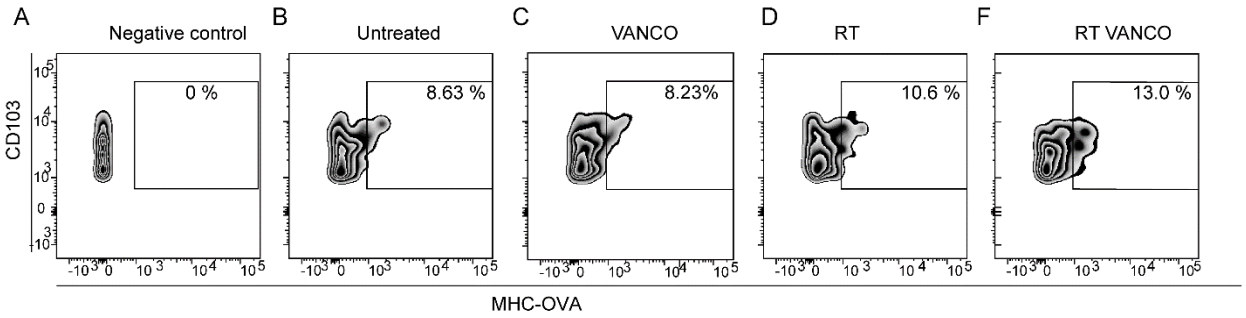
Supplementary Figure 6. Effects of CD8 T cells depletion on B16-OVA primary tumor growth in mice treated with vancomycin. Data are representative of at least two independent experiments. 5 to 10 mice per group. Mean +/- SEM are shown. Statistical significance was assessed by two-way ANOVA.



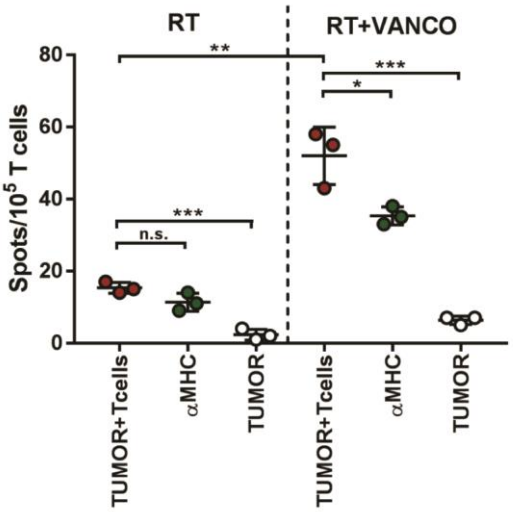
Supplementary Figure 7. *Il12b* mRNA expression levels in tumors one day after irradiation. Results are depicted as fold change expression compared to untreated mice. 2 to 4 mice per group. Mean +/- SEM are shown. Statistical significance was assessed by Tukey's test. (**P < 0.01).



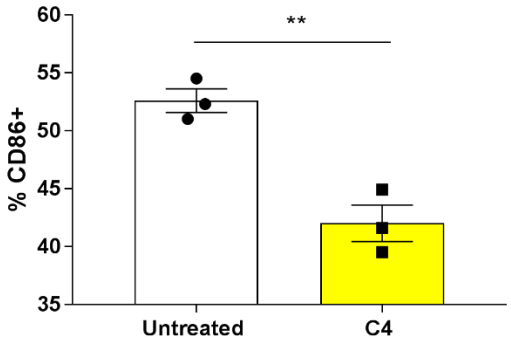
Supplementary Figure 8. *Ifnb1* mRNA expression levels in tumors one day after irradiation. Results are shown as fold change expression compared to untreated mice. Data are representative of at least two independent experiments. 4 to 6 mice per group. Mean +/- SEM are shown. Statistical significance was assessed by unpaired t-test (*P < 0.05).



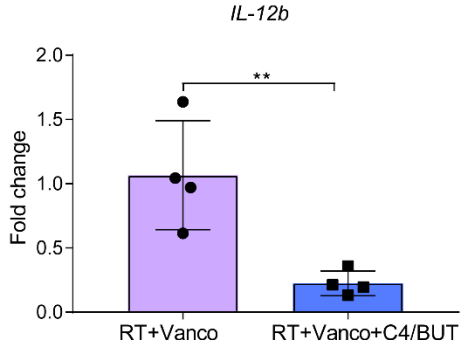
Supplementary Figure 9. Example of flow cytometry dot plot of anti-MHC1 (Kb)-SL8 OVA peptide staining performed at 3-day post irradiation.



Supplementary Figure 10. TC-1 tumors from mice treated with RT alone or in combination with vancomycin were dissociated and plated with OT1 T cells in an IFNγ ELISpot plate for 24h. 3 mice per group. Mean +/- SEM are shown. Statistical significance was assessed by Tukey's test (*P < 0.05, **P < 0.01, ***P < 0.001).



Supplementary Figure 11. Phenotypic characterization of BMDC CD11c+ upon exposure to butyrate (C4). Each dot represents BMDC derived from a different mouse (3 total). Mean +/- SEM are shown. Statistical significance was assessed by unpaired t-test (**P < 0.01).



Supplementary Figure 12. *Il12b* mRNA expression level in irradiated tumors from mice treated with vancomycin in combination with or without butyrate (C4). 4 mice per group. Mean +/- SEM are shown. Statistical significance was assessed by unpaired t-test (**P < 0.01).