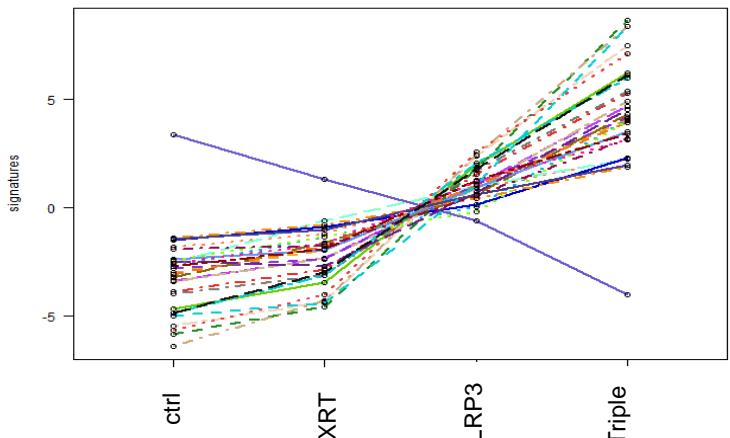


**Supplementary Figure S1.** Survival curves of 344SQ-P 1Gy (**A**), 344SQ-P 5Gy (**B**) and 344SQ-R 5Gy (**C**) models. Tumor growth curves of primary tumors in 344SQ-P 1Gy (**D**), 344SQ-P 5Gy (**E**) and 344SQ-R 5Gy (**F**) models. Survival was plotted by the Kaplan-Meier method. Two-way analysis of variance with multiple comparisons was used to analyze the tumor growth curves. \*P < 0.05; \*\*P < 0.01; \*\*\*P < 0.0001; ns, not significant.

**a**

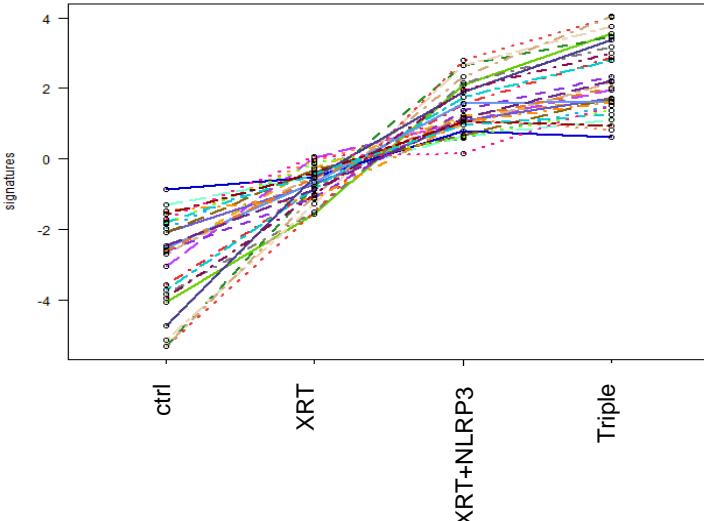
344SQ-P



- Adaptive
- Adhesion
- Antigen Processing
- Apoptosis
- B-Cell Functions
- Basic Cell Functions
- Cancer Progression
- CD molecules
- Cell Cycle
- Chemokines & Receptors
- Complement Pathway
- Cytokines & Receptors
- Dendritic Cell Functions
- Humoral
- Inflammation
- Innate
- Interferon
- Interleukins
- Leukocyte Functions
- Macrophage Functions
- MHC
- Microglial Functions
- NK Cell Functions
- Pathogen Response
- Senescence
- T-Cell Functions
- TLR
- TNF Superfamily
- Transporter Functions

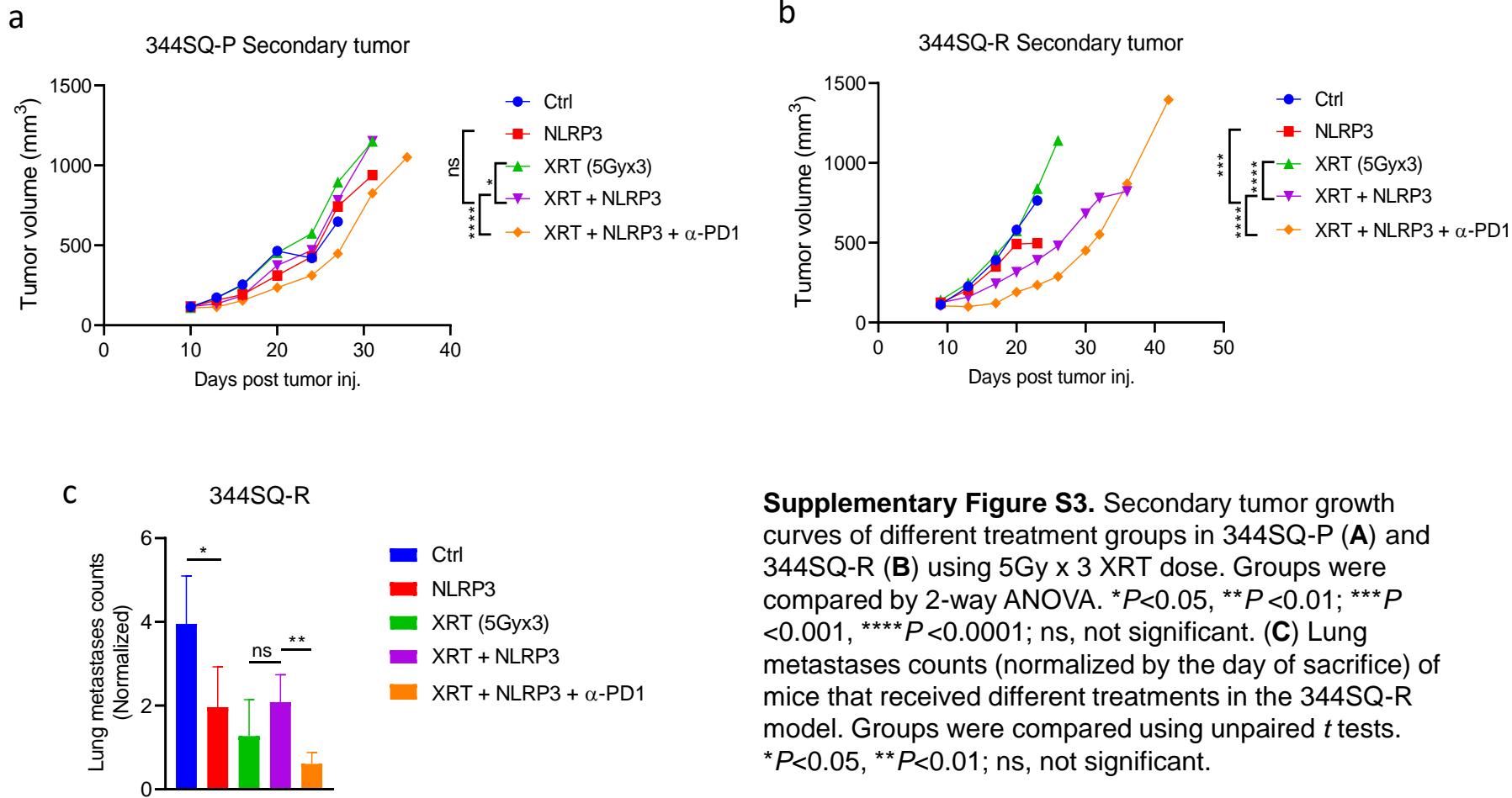
**b**

344SQ-R



- Adaptive
- Adhesion
- Antigen Processing
- Apoptosis
- B-Cell Functions
- Basic Cell Functions
- Cancer Progression
- CD molecules
- Cell Cycle
- Chemokines & Receptors
- Complement Pathway
- Cytokines & Receptors
- Dendritic Cell Functions
- Humoral
- Inflammation
- Innate
- Interferon
- Interleukins
- Leukocyte Functions
- Macrophage Functions
- MHC
- Microglial Functions
- NK Cell Functions
- Pathogen Response
- Senescence
- T-Cell Functions
- TLR
- TNF Superfamily
- Transporter Functions

**Supplementary Figure S2.** Immune pathways analysis in primary tumors of 344SQ-P and 344SQ-R using NanoString 770 immune-related genes panel. The XRT dose used was 12Gy x 3 fractions.



**Supplementary Figure S3.** Secondary tumor growth curves of different treatment groups in 344SQ-P (**A**) and 344SQ-R (**B**) using 5Gy x 3 XRT dose. Groups were compared by 2-way ANOVA. \* $P<0.05$ , \*\* $P<0.01$ ; \*\*\* $P<0.001$ , \*\*\*\* $P<0.0001$ ; ns, not significant. (**C**) Lung metastases counts (normalized by the day of sacrifice) of mice that received different treatments in the 344SQ-R model. Groups were compared using unpaired *t* tests. \* $P<0.05$ , \*\* $P<0.01$ ; ns, not significant.

**Supplementary Table S1.** Fold change of NLRP3, IL-1b and IL-18 expression (344SQ-R over 344SQ-P).

	Ctrl (Log2 fold)	<i>P</i> value	XRT (Log2 fold)	<i>P</i> value
<b>NLRP3</b>	3.94	0.0191	5.32	0.00512
<b>IL1b</b>	1.64	0.123	4.74	0.0156
<b>IL18</b>	2.78	0.0283	3.46	0.0319