

## Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: List of GO, KEGG, REACTOME, and HALLMARK pathways upregulated in CD8+ tumor-infiltrating lymphocytes by scRNAseq in mice treated with entinostat + NHS-IL12 versus PBS-treated control tumors as in Fig. 1a on day 21 post-tumor implant. Pathways highlighted in bold are shown in Fig. 4a.

File Name: Supplementary Data 2

Description: List of GO, KEGG, REACTOME, and HALLMARK pathways upregulated in tumor-infiltrating neutrophils identified by scRNAseq in mice treated with entinostat + NHS-IL12 versus PBS-treated control tumors as in Fig. 1a on day 21 post-tumor implant. Pathways highlighted in bold are shown in Fig. 5f.

File Name: Supplementary Data 3

Description: List of GO, KEGG, REACTOME, and HALLMARK pathways upregulated in all tumor-infiltrating monocytes identified by scRNAseq in mice treated with entinostat + NHS-IL12 treated as in Fig. 1a versus PBS-treated control tumors on day 21 post-tumor implant. Pathways highlighted in bold are shown in Supplementary Fig. 5a.

File Name: Supplementary Data 4

Description: List of GO, KEGG, REACTOME, and HALLMARK pathways upregulated in tumor-infiltrating macrophages not identified as M1 or M2 by scRNAseq in mice treated with entinostat + NHS-IL12 versus PBS-treated control tumors as in Fig. 1a on day 21 post-tumor implant. Pathways highlighted in bold are shown in Fig. 6b.

File Name: Supplementary Data 5

Description: List of GO, KEGG, REACTOME, and HALLMARK pathways upregulated in tumor-infiltrating macrophages identified as M1 by scRNAseq in mice treated with entinostat + NHS-IL12 versus PBS-treated control tumors as in Fig. 1a on day 21 post-tumor implant. Pathways highlighted in bold are shown in Fig. 6d.

File Name: Supplementary Data 6

Description: List of GO, KEGG, REACTOME, and HALLMARK pathways downregulated in all tumor-infiltrating macrophages identified by scRNAseq in CD8-depleted mice treated with entinostat + NHS-IL12 as in Fig. 1a versus undepleted. Pathways highlighted in bold are shown in Fig. 7d.