Supplementary Material

## Supplementary Figure 1

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**Supplementary Figure 1.** **Effect of combined Id1 and PD-1 blockade in both tumor microenvironment (IDKO mice) and tumor cells in a LUAD syngeneic model.** A) Tumor growth of LLC cells (LLC Sc) injected in *Id1+/+* (C57BL/6J) or *Id1-/-* (IDKO) mice (n = 4). B) Tumor volumes at day 16. C) Tumor growth of *Id1* silenced LLC cells (LLC sh-ID1) injected in *Id1+/+* (C57BL/6J) or *Id1-/-* (IDKO) mice (n = 4). D) Tumor volumes at day 16. Asterisks denote significance (\**p* < 0.05, \*\**p* < 0.005, \*\*\**p* < 0.001, \*\*\*\**p* < 0.0001), and error bars denote SD.

## Supplementary Figure 2

**Supplementary Figure 2. Id1 and PD-1 combine blockade enhanced T cell infiltration. A-C)** Representative IHC images illustrating: CD3+ T cells (A); CD8+ T cells (B); Right: CD4+ T cells (C). Scale bar: 10μm.