

**Figure S3.** Composition of the tumor microenvironment among different clusters in the GEO cohort. (A-B) Relative abundance of eight immune and two stromal cell populations in cancer tissues. Component comparison using Student t test and the Bonferroni test (NS,  $P > 0.05$ ; \*,  $P < 0.05$ , \*\*,  $P \leq 0.01$ ). (C-I) Correlation between relative abundance of mDCs and fatty acid metabolic signature score. Pearson's correlation coefficient was used to check the association. The grey line is the fitted curve. mDCs = myeloid dendritic cells.

