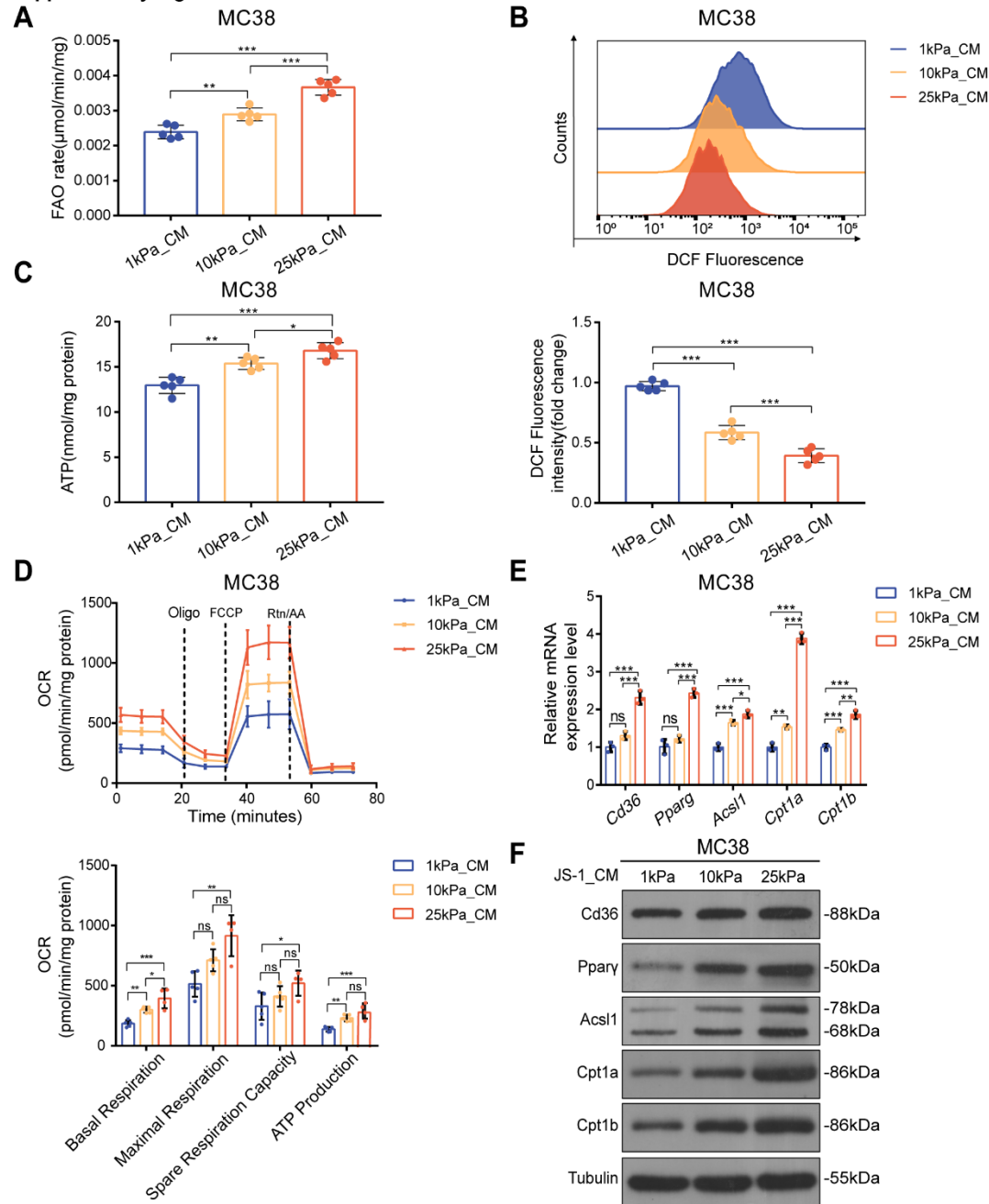


Supplementary Fig. S3



Supplementary Figure. S3 Conditioned medium derived from HSCs cultured on the stiff substrates upregulates FAO metabolism in colon cancer cells. (A–C) Fatty acid oxidation rate (A), ROS content (B) and ATP level (C) of MC38 cells treated with conditioned medium from JS-1 cells cultured on 1kPa, 10kPa and 25kPa polyacrylamide hydrogels for 48 h (one-way ANOVA, $n=5$ independent experiments). **(D)** The basal respiration, maximal respiration, spare respiration capacity and ATP production of MC38 cells with indicated treatment were measured by OCR measurements through Seahorse XF96 analysis (one-way ANOVA, $n=5$ independent experiments). **(E, F)** Relative expression of Cd36, Pparg, Acs11, Cpt1a and Cpt1b in MC38 cells treated with indicated conditioned medium from JS-1 cells for 48 h by qPCR analysis (one-way ANOVA, $n=3$ independent experiments) (E) and Western blot analysis (F).

Data are graphed as the mean \pm SD. ns, not significant, $P > 0.05$; * $P < 0.05$; ** $P < 0.01$; *** $P < 0.001$.