

Supplementary Fig. S8. Blocking SMAD2-ETV4 binding inhibited TGF β 3-mediated SMCs transdifferentiation in MIBC. (a) IB analysis of SQOR expression in the indicated cells treated with L-chicoric acid. GAPDH serve as a loading control. (b) ChIP assay analysis of ETV4, p-SMAD2 and CARM1 enrichment on the SQOR promoter in the indicated cells. (c) ChIP assay analysis of H3R17me2a, H2BK120ub and H3K4me3 enrichment on the *SQOR* promoter in the indicated cells. (d) CCK-8 assay analysis of proliferation rate of the indicated cells. (e) *In vitro* tube formation/IF staining assays analysis of PBSMCs exposed to different SFC from indicated cells following treatment with vehicle, L-chicoric acid. Scale bars, 20 μ m. (f) *In vivo* Matrigel plug assays were performed in PBSMCs treated with the indicated SFC as (e). Scale bars, 20 μ m. n = 3 mice per group. (g) Representative immunofluorescence images (left) and quantification of intramuscular CD31⁺ or α -SMA⁺/CD31⁺ vessels (right) in mice following intradetrusor injections of PBSMCs pre-educated with different SFC from indicated cells accompanied with L-chicoric acid or vehicle control treatment, respectively. Scale bars, 20 μ m. n = 6 mice per group. Each error bar in b, c, d, e and f represents the mean \pm SD of three independent experiments, error bar in g represents as the mean \pm SD of n = 6 mice per group. Statistical analysis was performed using Two-way ANOVA with Šídák's multiple comparisons test for (b, c, d, e, f and g). ** P < 0.01; *** P < 0.001; ns, not significant.

Supplementary Fig. S8

