



Supplementary information, Figure S4 Sunitinib maintains the self-renewal and pluripotency of mESCs.

(A) Immunofluorescence staining of pluripotency markers (Oct4, Nanog, SSEA1) in E14 cells at passage 1, 4 and 10 maintained in mES medium containing 1000 U/mL LIF, or in mES medium without LIF but containing 2i (3 μ M PD0325901 and 3 μ M CHIR99021) or sunitinib (1 μ M). Cell nuclei were stained with Hoechst (Scale bar: 80 μ m). (B-D) qRT-PCR analysis of lineage specific genes (B), pluripotency genes (C) and EMT related genes (D) in cells described in (A) (passage 4). Data are mean \pm SEM (n=3), ###p<0.001 vs LIF positive condition; *p < 0.05, **p < 0.01, ***p < 0.001vs LIF negative condition. Independent experiments were repeated at least three times.