



Supplementary information, Figure S1 Expression Profiling of growth factors in mESCs.

(A) Morphology of E14 cells cultured in mES medium (LIF-) (top) or N2B27 medium (LIF+) (bottom) without passage for 1-8 days, medium were changed every day (Scale bar: 50 μ m). (B) ELISA analysis of VEGFA secretion by E14 cells cultured in N2B27 medium (LIF+) described in (A). (C) qRT-PCR analysis of growth factor gene expression relative to *GAPDH* of E14 cells cultured in mES medium (LIF+) without passage for 1-8 days, medium were changed every day. *VEGFA* has both higher expression and bigger change (6 Fold) from day 3 to day 5 of all the growth factors marked by red rectangular, *PDGFB* is the next higher expression and bigger change (3 Fold) from day 3 to day 5 growth factor following behind than *VEGFA* marked by blue rectangular.