

Description of Supplementary Files

File name: Supplementary Data 1

Description: Signature of Unique Regulatory Logics (URLs) in simulation study

File name: Supplementary Data 2

Description: Binding target genes of mouse ESC regulators based on ChIP-seq peak calling on promoters

File name: Supplementary Data 3

Description: Comparison of LogicTRN with COGRIM, APG, NCA, and PTHGRN in identifying target genes of mouse ESC TFs (Oct4/Pou5f1, Sox2, Nanog and Suz12). I - Lists of known (validated) ChIP-seq binding target of mouse ESC TFs, II - positive set, III - negative set, IV - Lists of predicted target genes of mouse ESC TFs using 5 algorithms (Score represent decision for testing AUC and AUPR, 1=maximal, 0=minimal)

File name: Supplementary Data 4

Description: Predicted regulatory logics in breast cancer cell

File name: Supplementary Data 5

Description: Predicted regulatory logics in hiPSC-derived cardiomyocytes