**Figure S1.** The NTF1-mediated somatic reprogramming of the MEF<sup>Col1α14F2AOct4-GFP</sup> acquires pluripotency

(A) Representative clonally isolated iPSCs from three-day (A5), five-day (B5), and seven-day (C6) NTF1 treatments. The iPSC<sup>Col1α14F2AOct4-GFP</sup> clones were cultured and maintained with cDR4 feeder cells in R1 ESC medium. (B) Teratoma formation assays of the iPSC B5 and C6 clones. S: squamous epithelium; N: neuronal rosette; B: bone; C: cartilage; Sm: skeletal muscle; Gb: Gut epithelium with goblet cells; Ci: ciliated respiratory-like epithelium; G: glands. Scale bar denotes 100 µm.
## Table S1. Quantitative PCR primer list

| Genes | Forward | Reverse |
|-------|---------|---------|
| Snail1 | 5’-TGT GTC TTC ACC ACC TTT G-3’ | 5’-AGT GGG AGG AGG AGA AGG GTG G-3’ |
| Snail2 | 5’-ACA GCT TTC TCT TCT GCT GC-3’ | 5’-GCT TTC AGG GTT CTT CGT TG-3’ |
| CDH1 | 5’-ACA CCA ACC GCT TGT CAG G-3’ | 5’-GAC TGT TGG GGG CTT CTG CAT CA-3’ |
| Thy1 | 5’-TGT GTC TTC TTC TTC CAG GC-3’ | 5’-AGT TCC TCC TCA AGG CAG CGG TG-3’ |
| Qd1 | 5’-ACA TGC CCA ACC TCT TCT CTT GC-3’ | 5’-AGC AGT ATA CCT CCA ACC CCA CCT CC-3’ |
| Sox2 | 5’-ACA GCT GCA ACC ACC GCA CC-3’ | 5’-TGG ACT TTT ACT GCA GGG GG-3’ |
| Nanog | 5’-GCA GCT TCC TTC CCT CTT CC-3’ | 5’-GCG GAG AGG TGG CAG TGG AT-3’ |
| REX1 | 5’-AGT GCT ACC TCG ACT ATT GCA GAA TAC-3’ | 5’-AGT TCC CAC TCC CTC CCA GAT-3’ |
| Emb | 5’-TGT TTC CGG GAA CGG AGG-3’ | 5’-AGC CAC CGG CTC CTT CTA CGA-3’ |
| Dppa3 | 5’-CTG AAA GAC CCC TTA AGA G-3’ | 5’-CTG ACT GTC CGG TTC AAA GTC A-3’ |
| LIF | 5’-AGA AGA ACT GCC TCC TCT CAT-3’ | 5’-GCA TGT CTC ATT TCA CTG-3’ |
| OPR3 | 5’-AGA TGG CTC CTT CTT GCA AAG-3’ | 5’-GCA GAC TCC TCC GTA TCA TG-3’ |
| GAFP | 5’-GAA ACC TCC GCC CTT ATG-3’ | 5’-TGG AGC AGG GCC AGA TT-3’ |