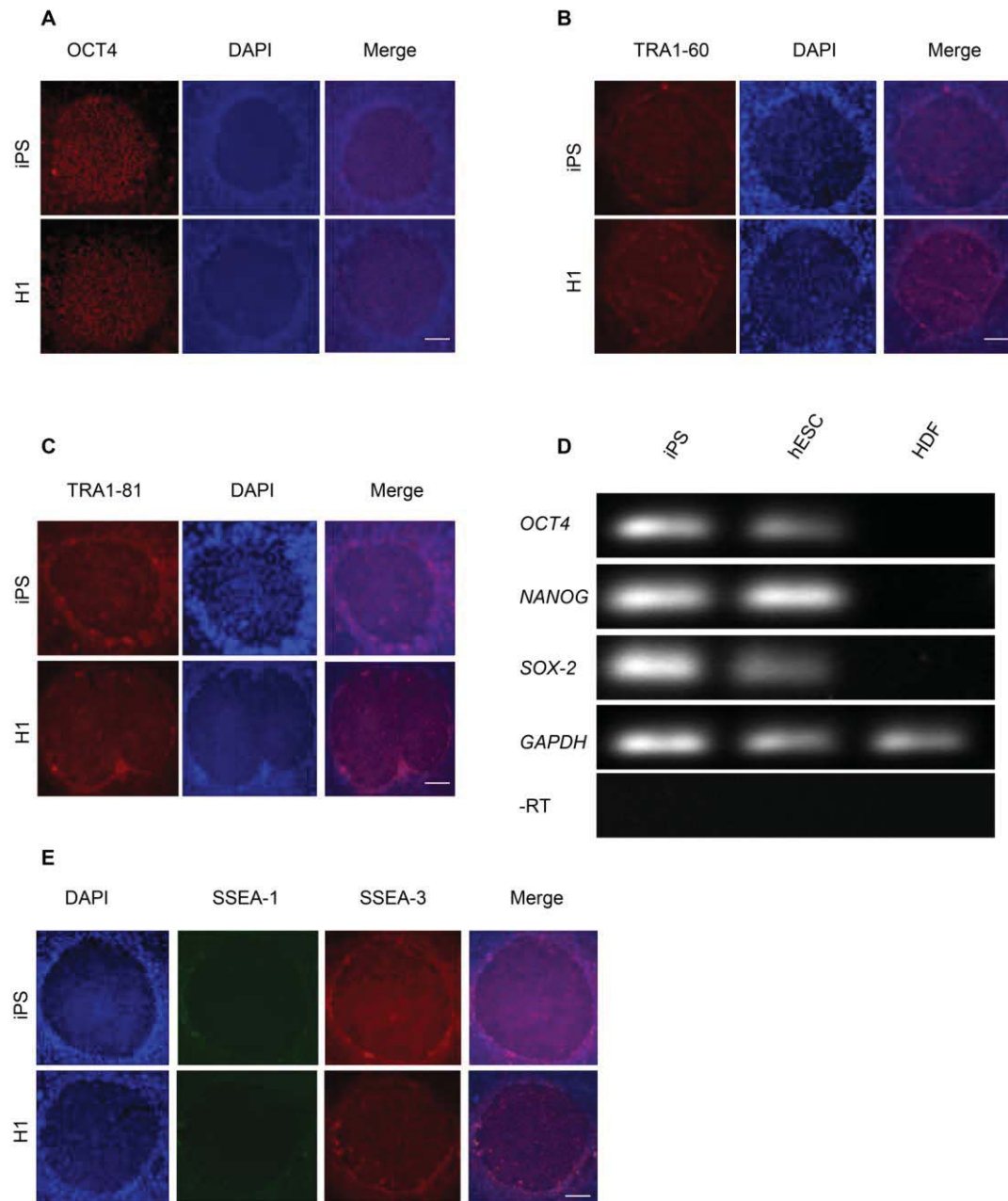


The histone demethylase JARID1A promotes pluripotency in human induced pluripotent cells in a vitamin-C- dependent manner

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Supplementary Material



Supplementary Figure 1.

Gene expression profiling of iPS cells. (A-C) Immunostaining for stem cell markers OCT4, TRA1-60, TRA1-81 of iPS cells and human ES cells. (D) RT-PCR assay for OCT4, NANOG and SOX-2 gene expression of the iPS cells. (E) Immunostaining for SSEA-3 and SSEA-1. H1 ES cells were used as positive control and the dermal fibroblasts from which iPS cells

were generated were used as negative control. Nuclei were visualized by DAPI. Scale bar 100 μm . RT: reverse transcriptase; HDF: human dermal fibroblasts