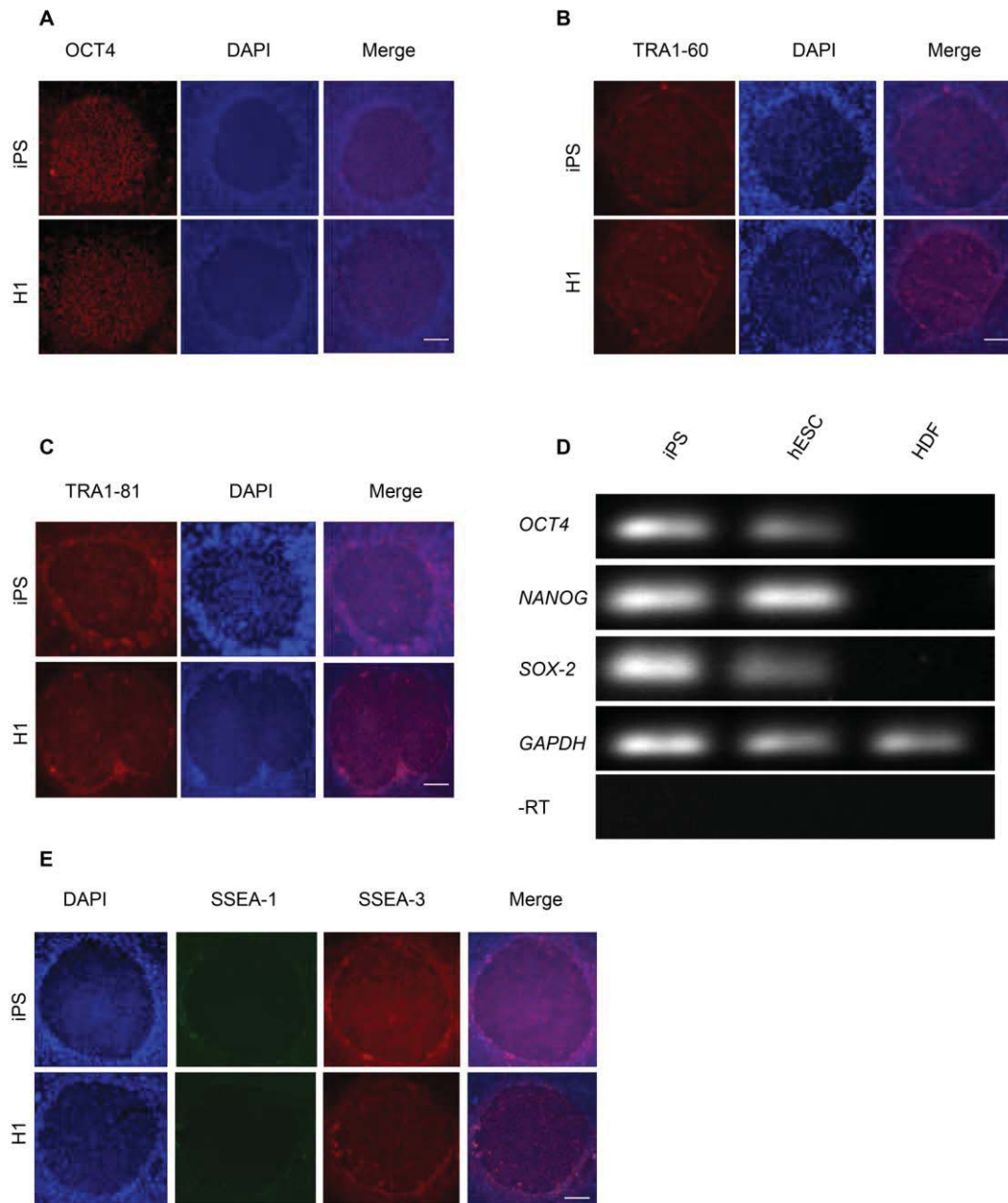


# **The histone demethylase JARID1A promotes pluripotency in human induced pluripotent cells in a vitamin-C- dependent manner**

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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