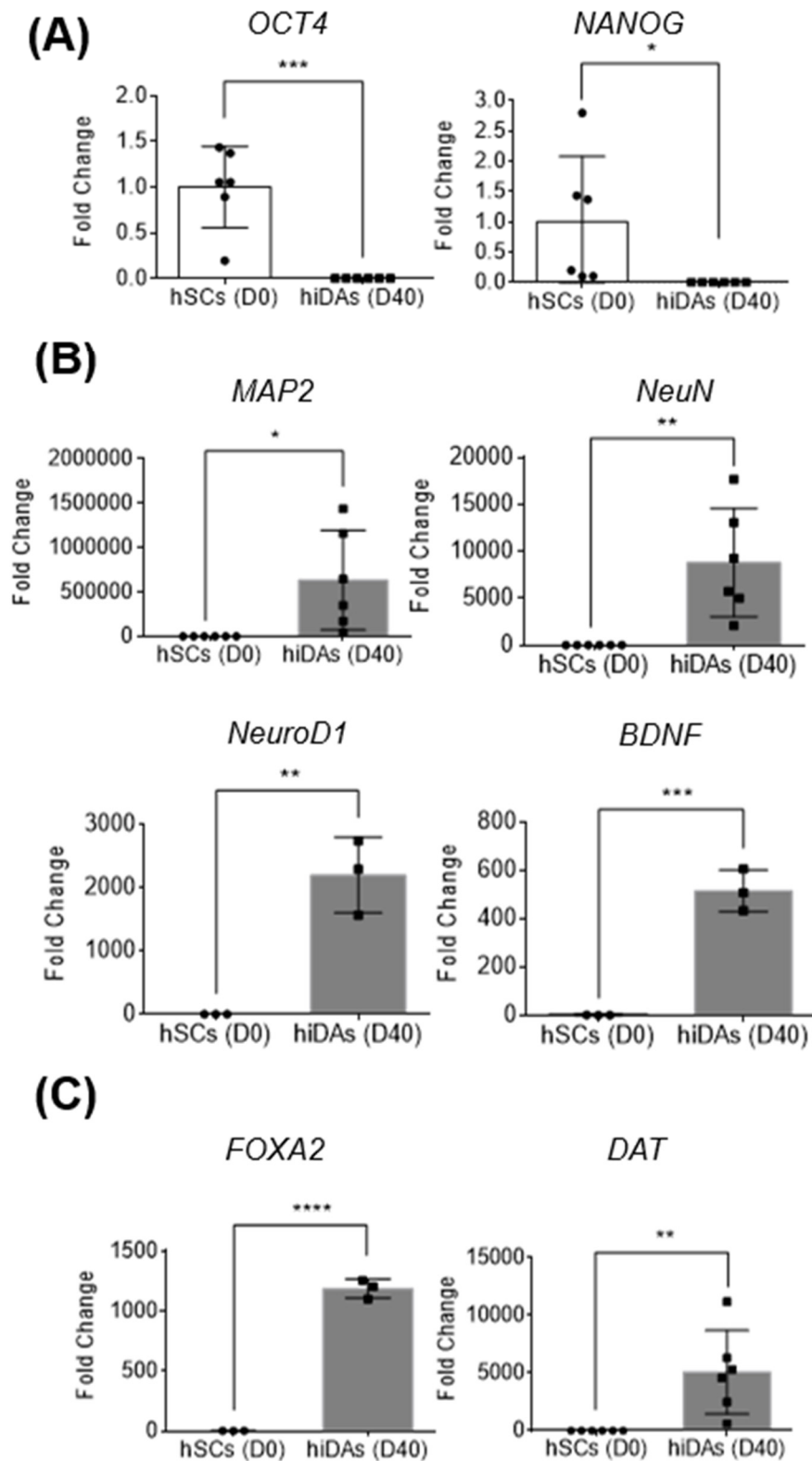
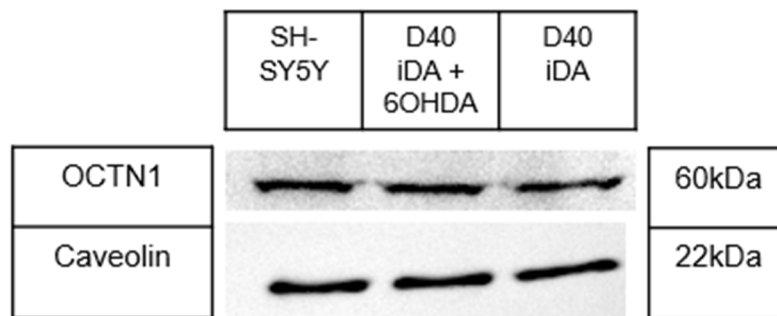


Supplementary Materials



Supplementary Figure S1. qPCR quality control of day 40 dopaminergic neurons. (A) RT-qPCR analysis of relative mRNA expression of stem cell markers *OCT4* and *NANOG*. (B) RT-qPCR analysis of relative mRNA expression of neuronal markers *MAP2*, *NeuN*, *NeuroD1* and *BDNF*. (C) RT-qPCR analysis of relative mRNA expression of dopaminergic neuron-specific markers *FOXA2* and *DAT*. (A–C) Data is represented as

mean \pm SD ($n \geq 3$). Data was analyzed by unpaired student's t-test. Data was analyzed by unpaired student's t-test. * $p \leq 0.05$. ** $p \leq 0.01$. *** $p \leq 0.001$. **** $p \leq 0.0001$.



Supplementary Figure S2. Western blot showing expression of OCTN1 in SH-SY5Y, D40 iDA and 6OHDA treated D40 iDA lysates, respectively. Images are representative of three independent experiments ($n = 3$).

Supplementary Table S1. Primer sequences used for RT-qPCR.

S/N	Primers (<i>Homo Sapiens</i>)	Gene accession number	Sequences (5' to 3')
1	<i>GAPDH</i>	NM_002046	Forward: GCAAATTCATGGCACCGT Reverse: GCCCCACTTGATTTGGAGG
2	<i>ACTB</i>	NM_001101	Forward: AGATGAGATTGGCATGGCTTTA Reverse: GGACTTCCTGTAACAACGCATC
3	<i>OCT4</i>	NM_002701	Forward: CCTGAAGCAGAAGAGGATCACC Reverse: AAAGCGGCAGATGGTCGTTTGG
4	<i>NANOG</i>	NM_024865	Forward: CTCCAACATCCTGAACCTCAGC Reverse: CGTCACACCATTGCTATTCTTCG
5	<i>MAP2</i>	NM_002374	Forward: AGGCTGTAGCAGTCCTGAAAGG Reverse: CTTCCTCCACTGTGACAGTCTG
6	<i>NeuN</i>	NM_001082575	Forward: TACGCAGCCTACAGATACGCTC Reverse: TGGTTCCAATGCTGTAGGTCGC
7	<i>NeuroD1</i>	NM_002500	Forward: GGTGCCTTGCTATTCTAAGACGC Reverse: GCAAAGCGTCTGAACGAAGGAG
8	<i>BDNF</i>	NM_170734	Forward: CATCCGAGGACAAGGTGGCTTG Reverse: GCCGAACCTTCTGGTCCTCATC
9	<i>FOXA2</i>	NM_021784	Forward: GGAACACCACTACGCCTTCAAC Reverse: AGTGCATCACCTGTCGTAGGC
10	<i>DAT</i>	NM_001044	Forward: CCTCAACGACACTTTGGGACC Reverse: AGTAGAGCAGCACGATGACCAG