Figure S1

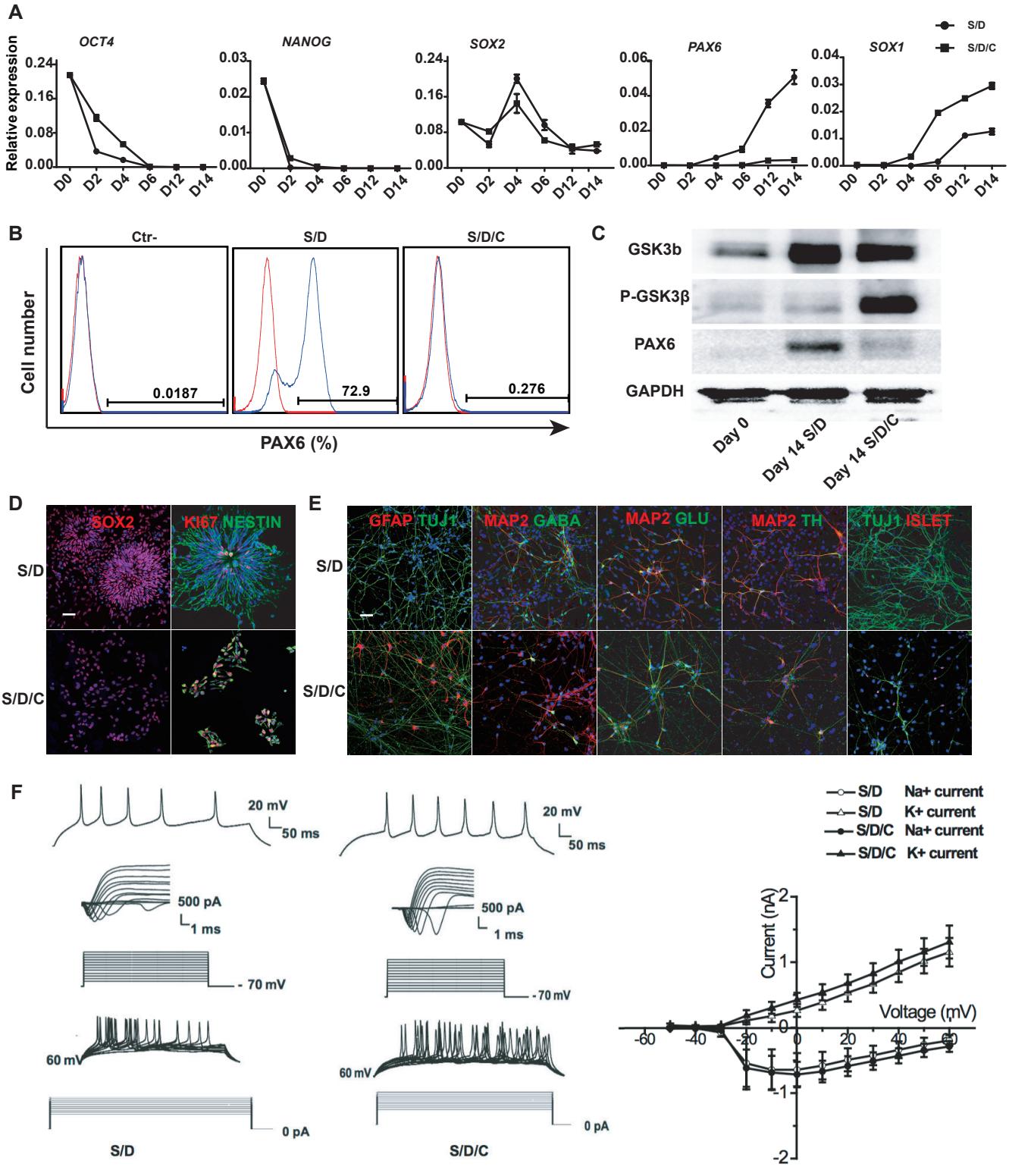
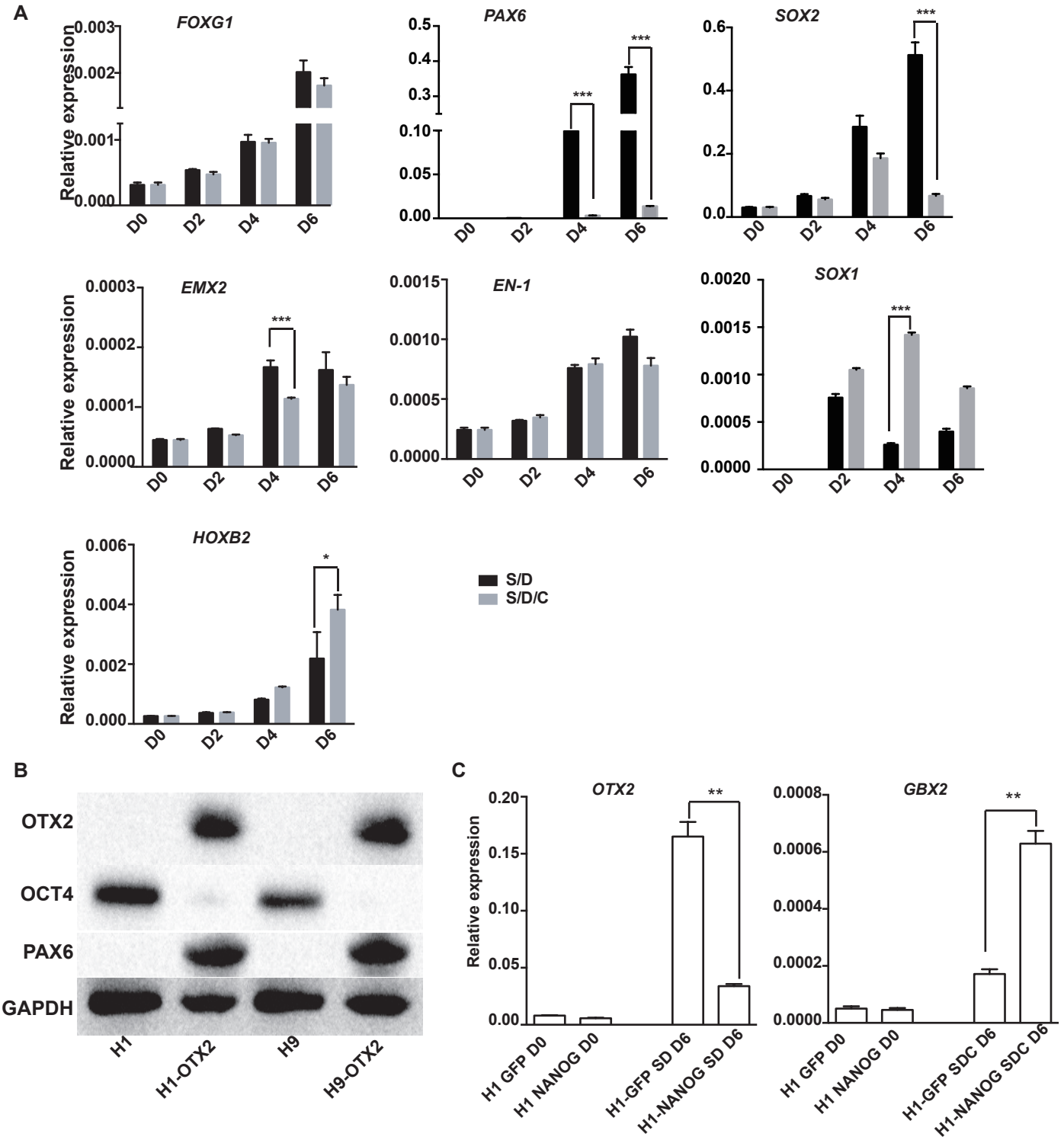

A
OCT4
NANOG
SOX2
PAX6
SOX1
S/D
S/D/C
Relative expression
D0 D2 D4 D6 D12 D14
B
Ctr-
S/D
S/D/C
Cell number
0.0187
72.9
0.276
PAX6 (%)
C
GSK3b
P-GSK3β
PAX6
GAPDH
Day 0
Day 14 S/D
Day 14 S/D/C
D
SOX2
KI67 NESTIN
S/D
S/D/C
E
GFAP TUJ1
MAP2 GABA
MAP2 GLU
MAP2 TH
TUJ1 ISLET
S/D
S/D/C
F
20 mV
50 ms
500 pA
1 ms
- 70 mV
60 mV
0 pA
S/D
S/D/C
S/D Na+ current
S/D K+ current
S/D/C Na+ current
S/D/C K+ current
Current (nA)
Voltage (mV)

Figure S2


A
FOXG1
PAX6
SOX2
EMX2
EN-1
SOX1
HOXB2
Relative expression
D0
D2
D4
D6
S/D
S/D/C
B
OTX2
OCT4
PAX6
GAPDH
H1
H1-OTX2
H9
H9-OTX2
C
OTX2
GBX2
Relative expression
H1 GFP D0
H1 NANOG D0
H1-GFP SD D6
H1-NANOG SD D6
H1-GFP SDC D6
H1-NANOG SDC D6