Figure 1

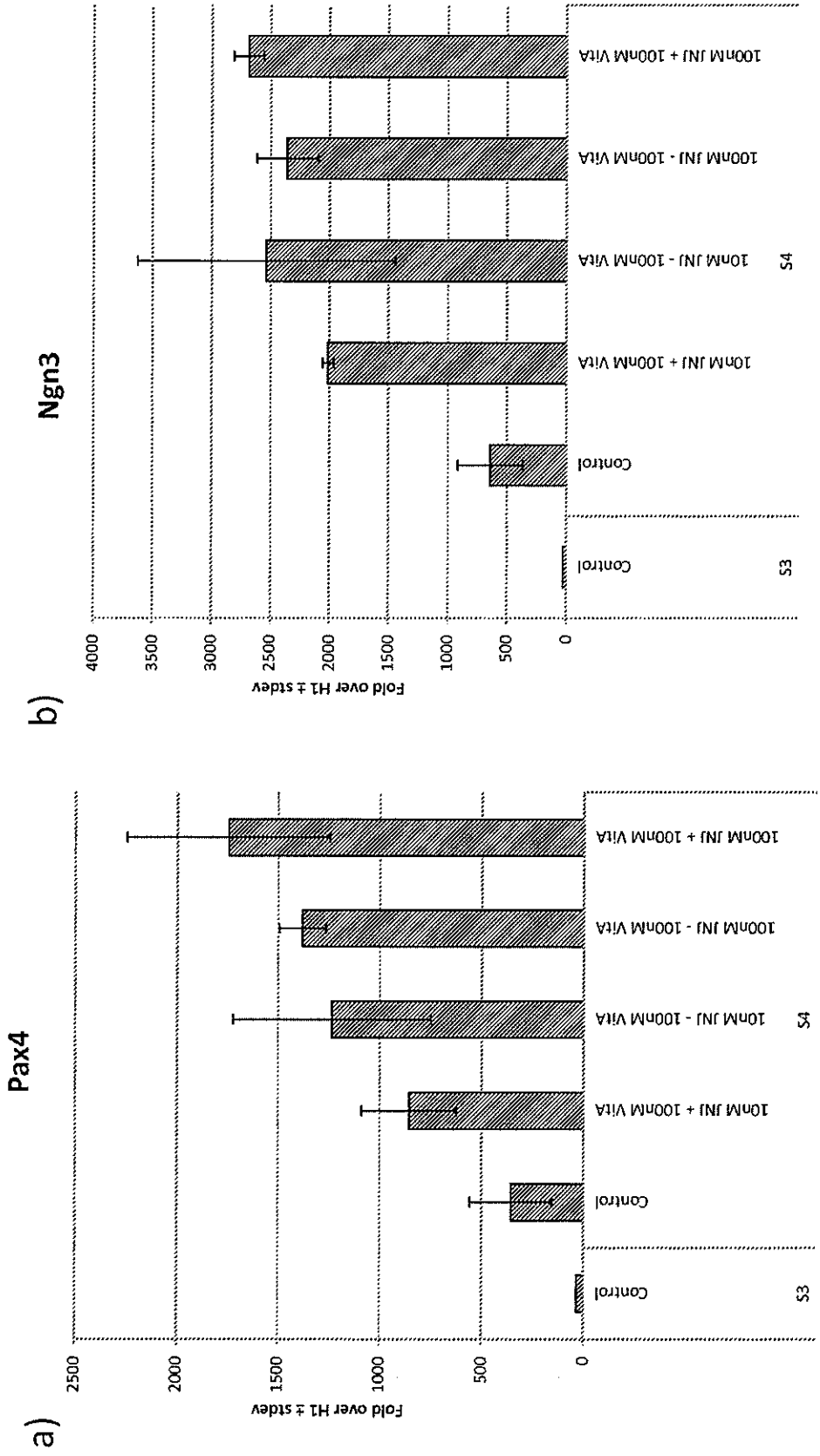

a)
Pax4
Fold over H1 ± stdev
2500
2000
1500
1000
500
0
S3
Control
S4
10nM JNJ + 100nM VitA
10nM JNJ - 100nM VitA
100nM JNJ - 100nM VitA
100nM JNJ + 100nM VitA
b)
Ngn3
Fold over H1 ± stdev
4000
3500
3000
2500
2000
1500
1000
500
0
S3
Control
S4
Control
10nM JNJ + 100nM VitA
10nM JNJ - 100nM VitA
100nM JNJ - 100nM VitA
100nM JNJ + 100nM VitA

Figure 1 Continued

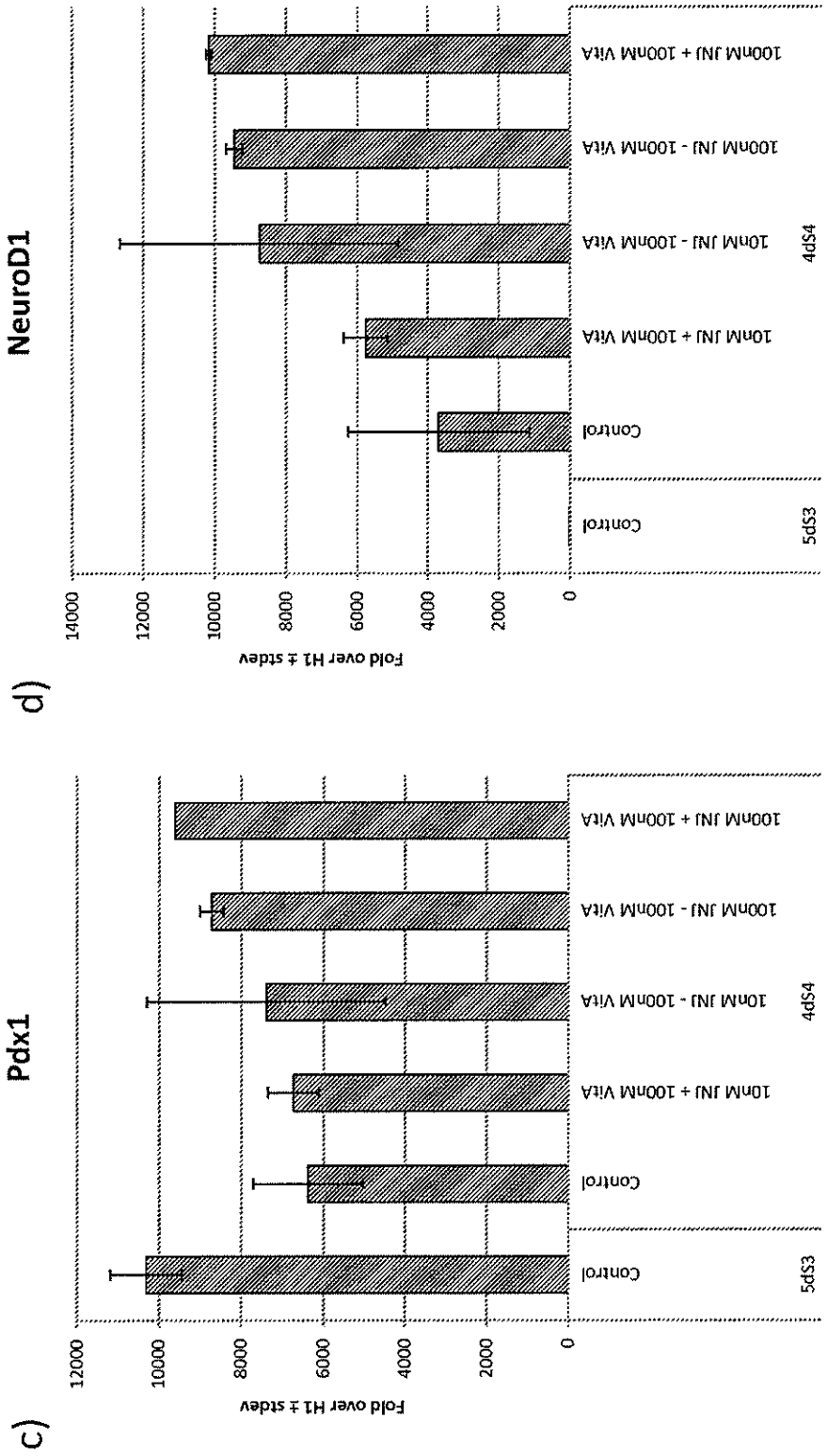
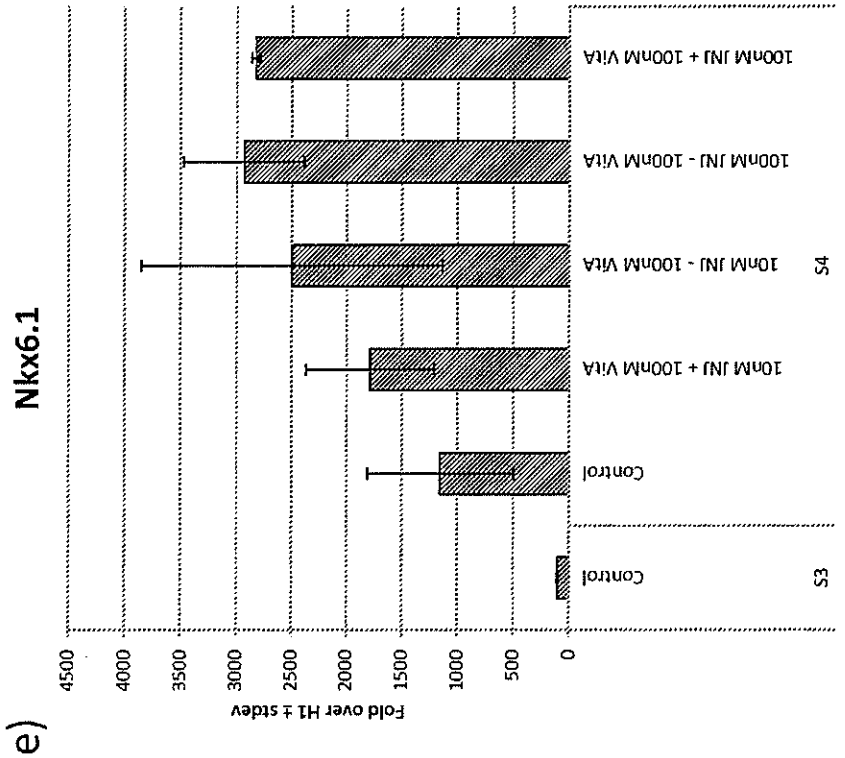


Figure 1 Continued



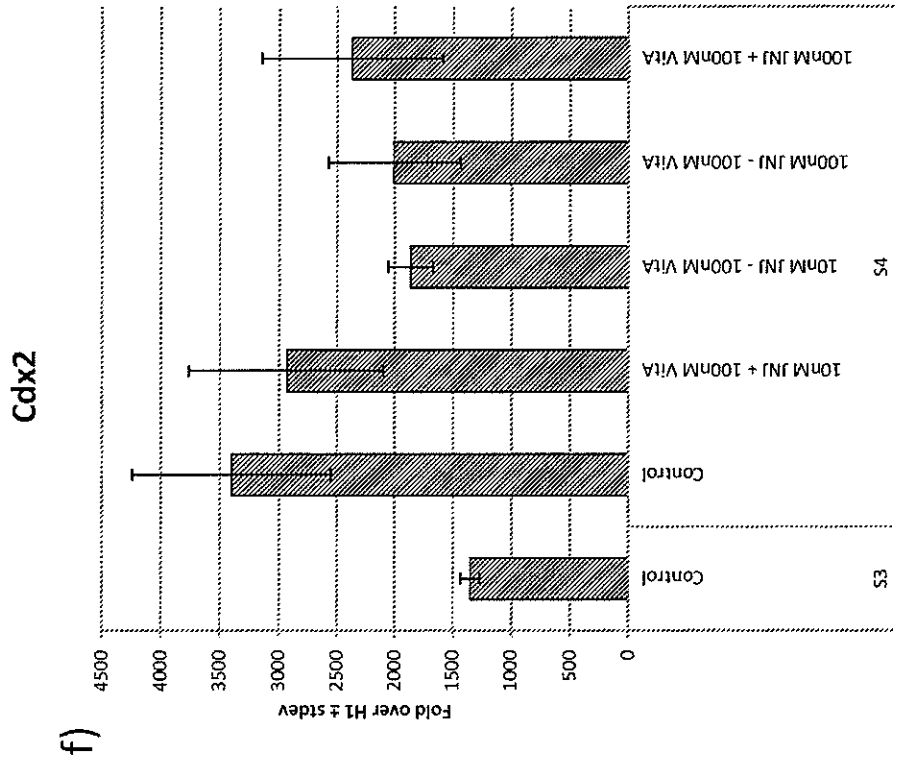
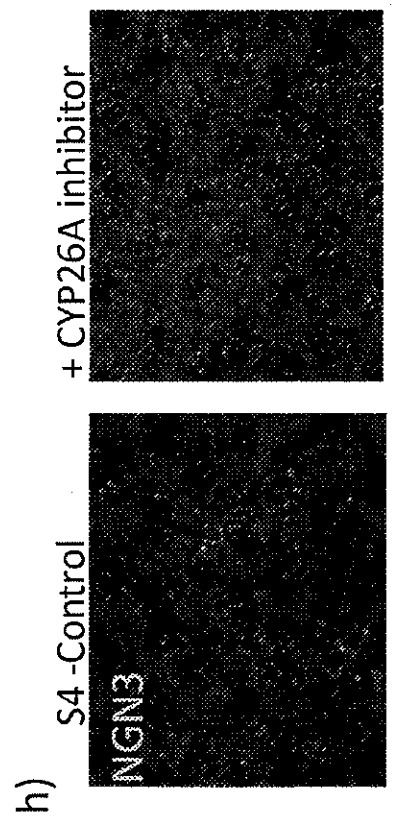
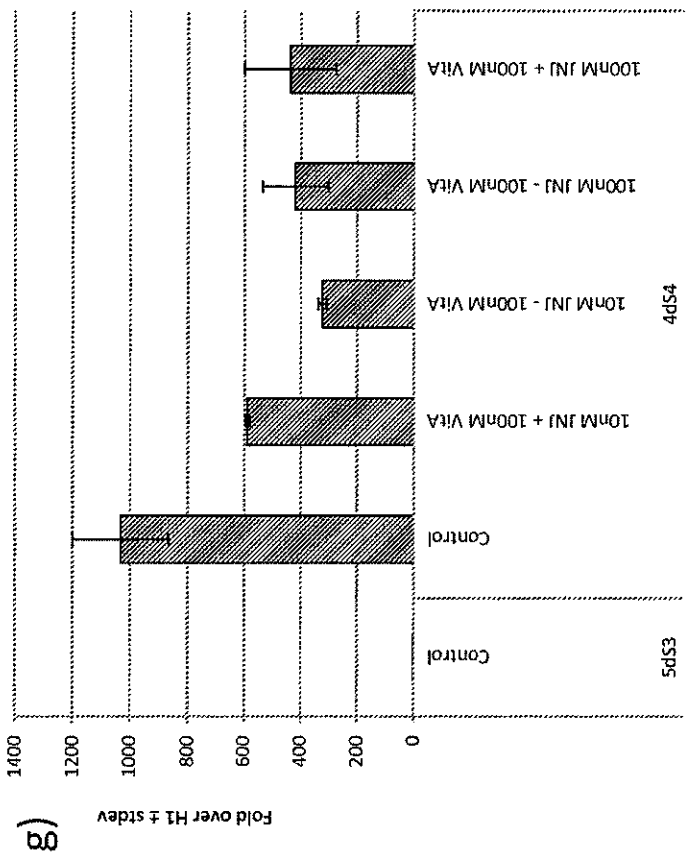


Figure 1 Continued





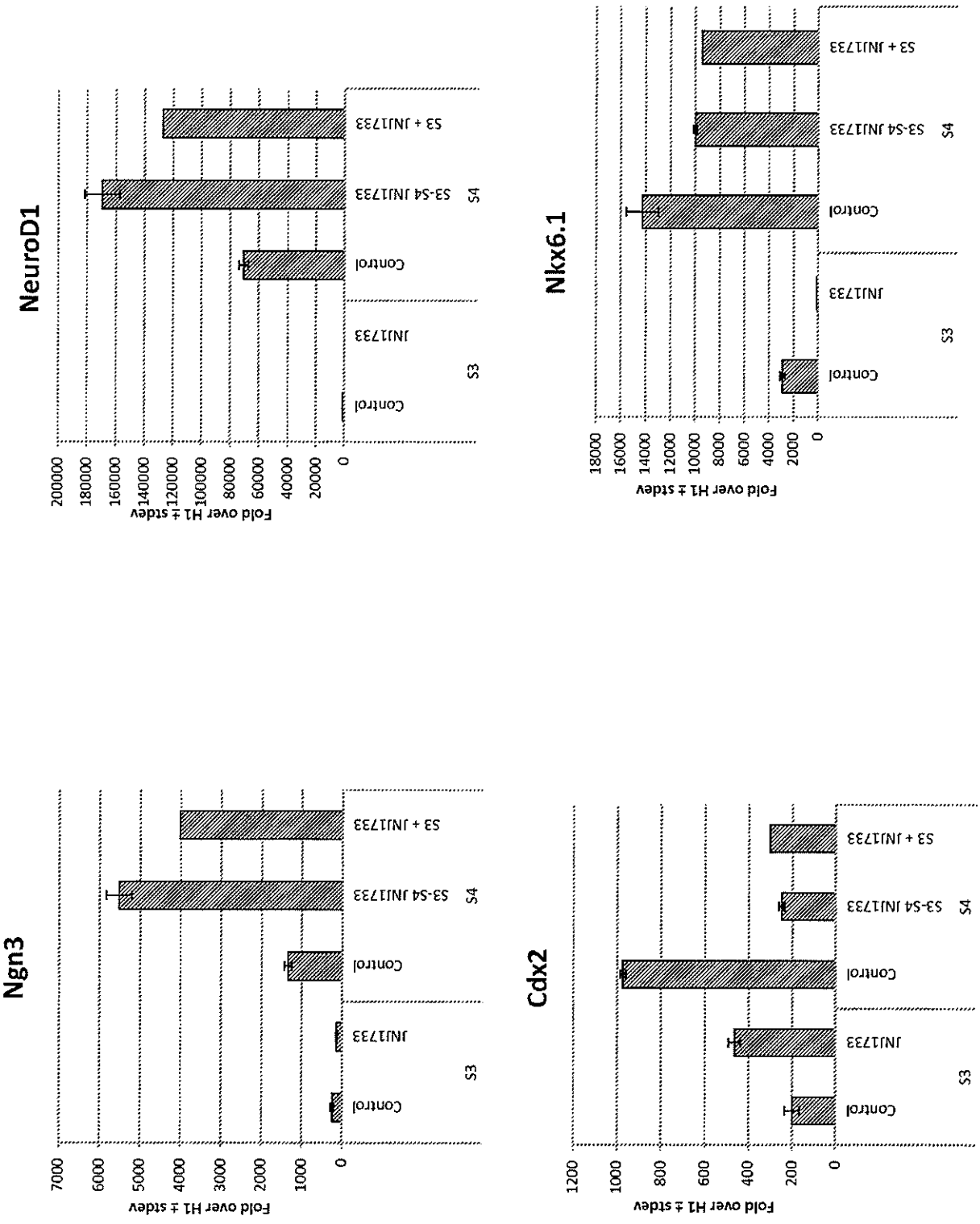
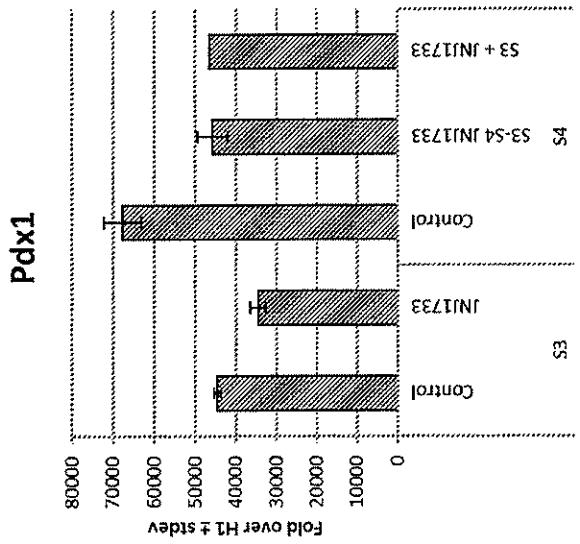

NeuroD1
Nkx6.1
Ngn3
Cdx2
Fold over H1 ± stdev
Control
JNJ1733
S3
S3-S4 JNJ1733
S4
S3 + JNJ1733

Figure 2

Figure 2 Continued



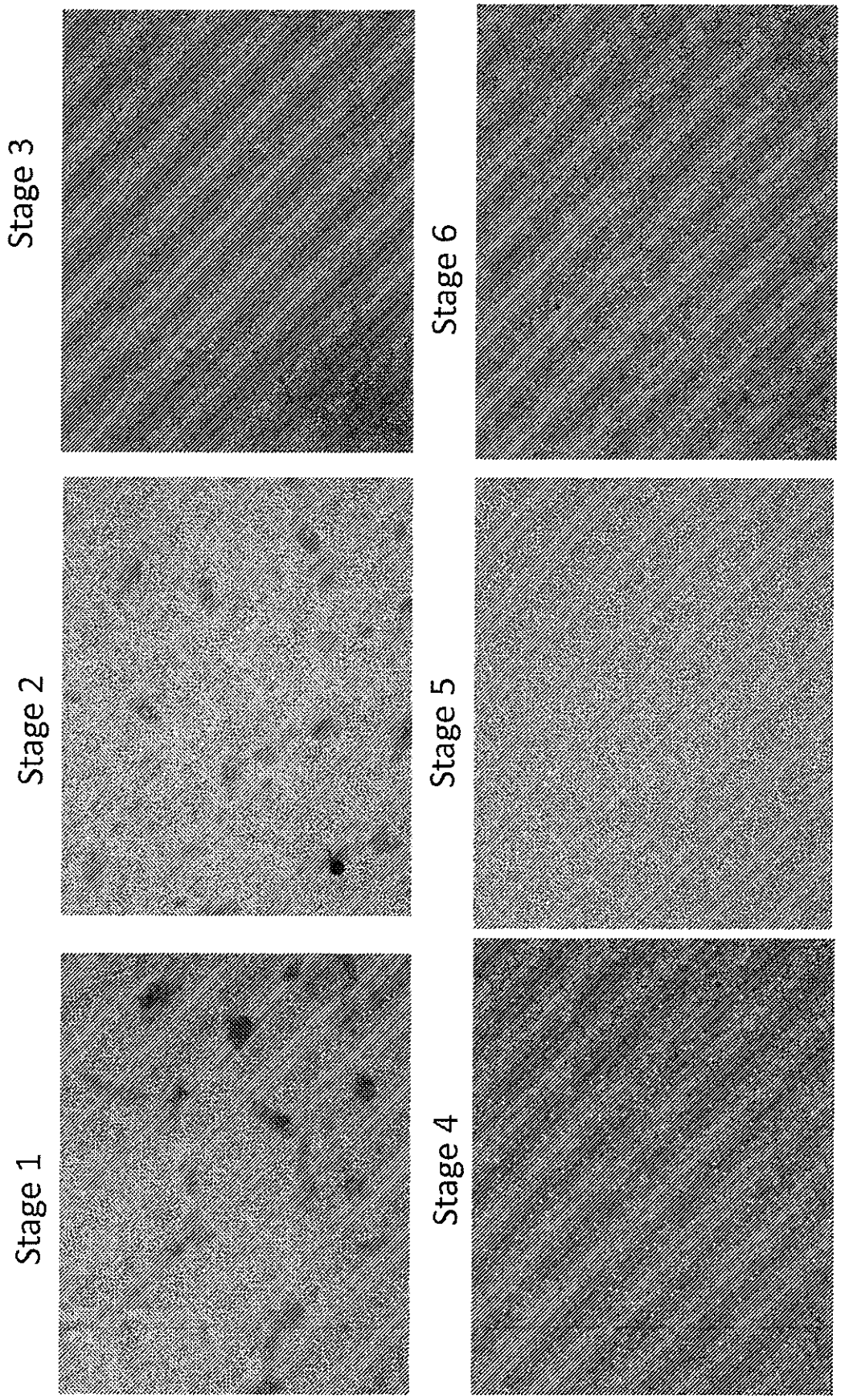


Figure 3

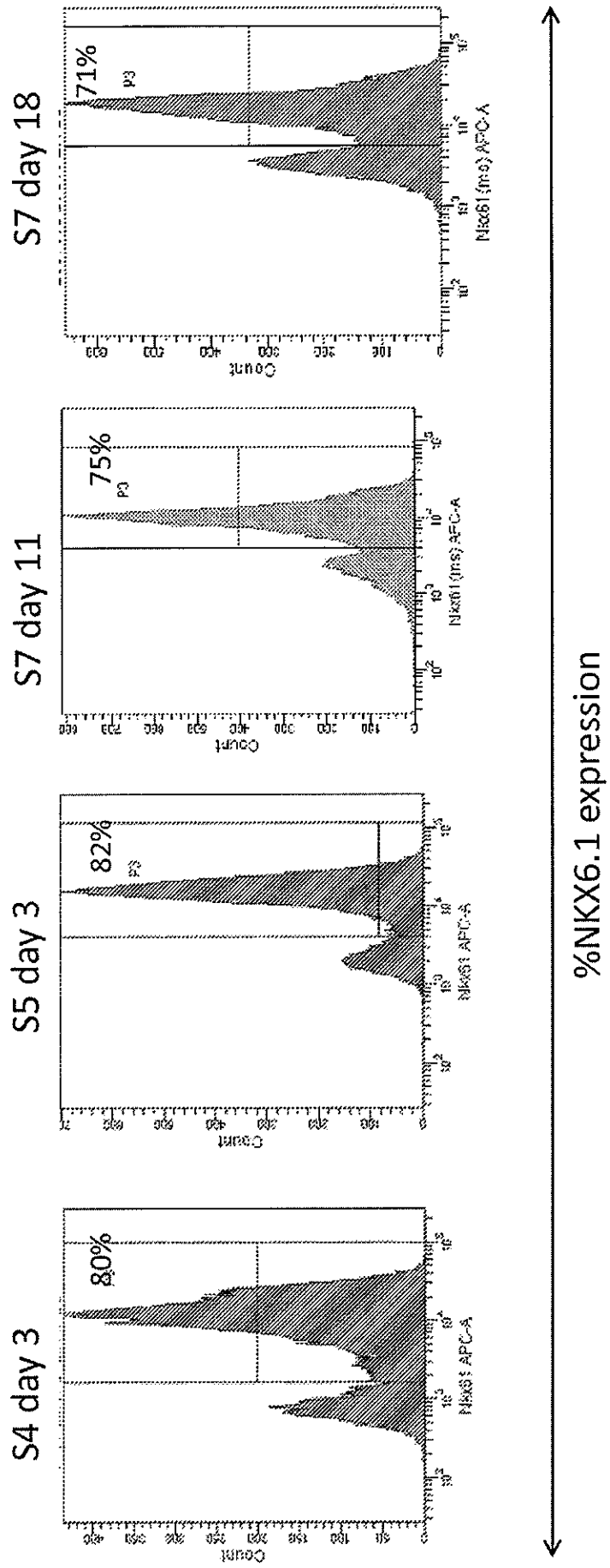


Figure 4

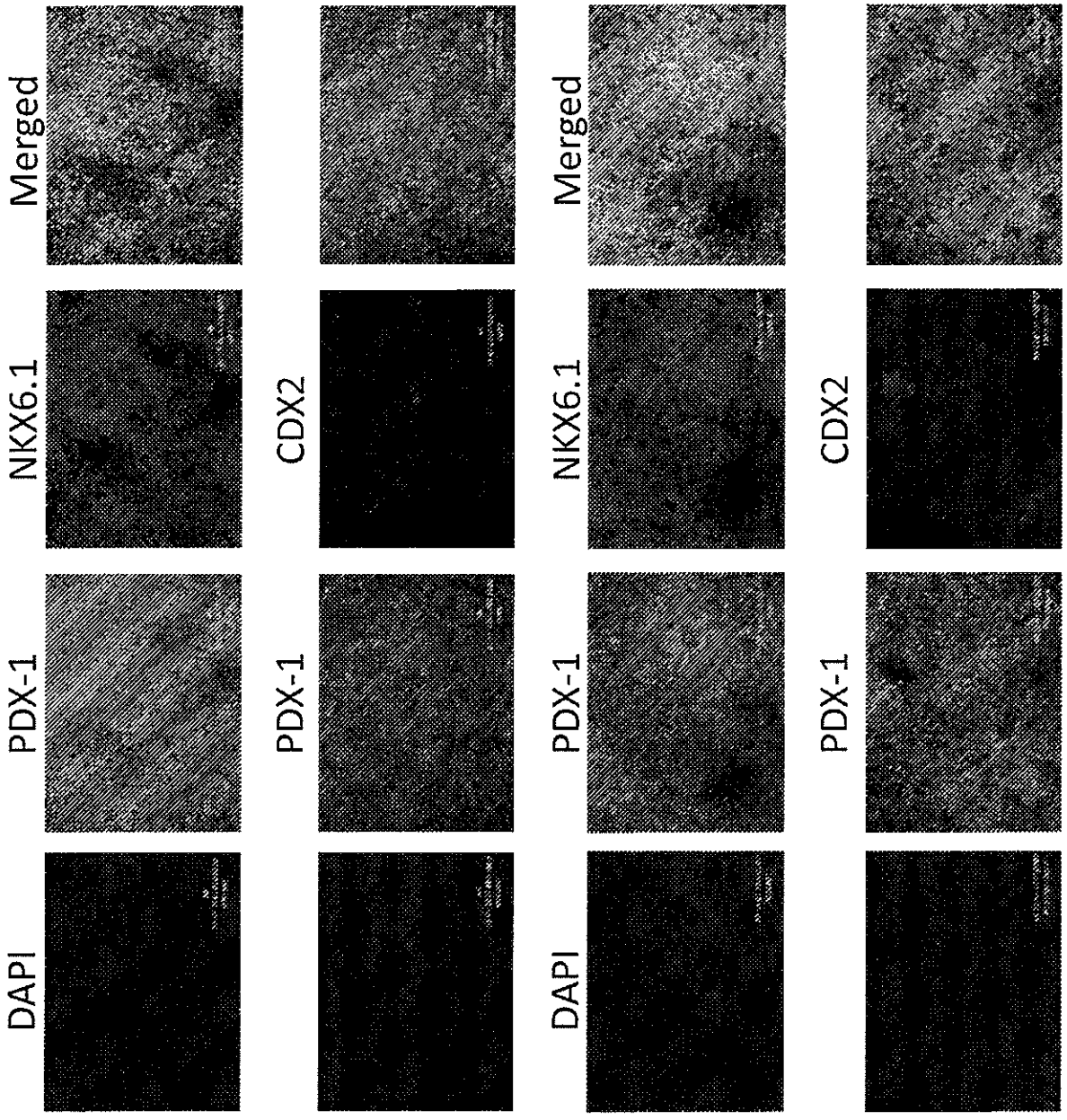

DAPI
PDX-1
NKX6.1
Merged
DAPI
PDX-1
CDX2
Merged
S5 day 2
DAPI
PDX-1
NKX6.1
Merged
DAPI
PDX-1
CDX2
Merged
S7 day 7

Figure 5