A Bivalent marks

IgG
H3K4me3
H3K27me3

HoxB4 Tal1 Runx1P2 Runx1P1 EPB4.2

B
Mice ES are maintained undifferentiated W/ LIF

Day0
EBs formation by Hanging drops culture withdrawl of LIF

Day4
Collect EBs and culture in suspension w/ 40ng/ml SCF

Day7
Keep culture in suspension w/ 40ng/ml SCF plus 20ng/ml mIL3 and mIL6

Day 10 or 13

FACS analysis; qRT-PCR & CHIP

C
K562 ESCs
MLL1
hSET1A
USF1
β-actin

D
Days of diff: 0 2 4 7 10 13
MLL1
hSET1A
USF1
β-actin

E
FGF5 T
FLK1 Runx1
Days: 0 2 4 7 10 13

F
HoxB4
GATA2
βH1
Days: 0 2 4 7 10 13