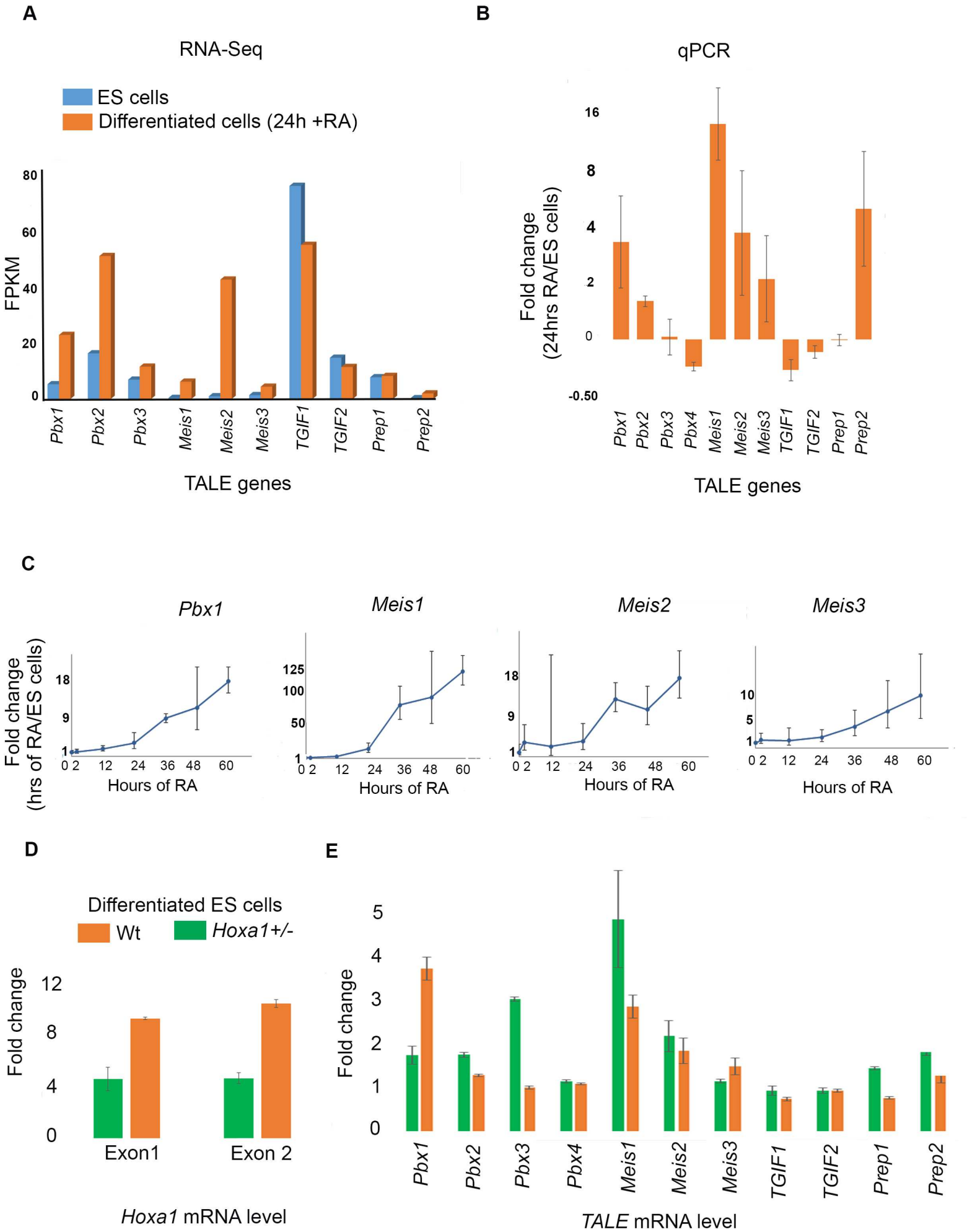
A
RNA-Seq
ES cells
Differentiated cells (24h +RA)
FPKM
80
60
40
20
0
Pbx1
Pbx2
Pbx3
Meis1
Meis2
Meis3
TGIF1
TGIF2
Prep1
Prep2
TALE genes
B
qPCR
Fold change (24hrs RA/ES cells)
16
8
4
2
0
-0.50
Pbx1
Pbx2
Pbx3
Pbx4
Meis1
Meis2
Meis3
TGIF1
TGIF2
Prep1
Prep2
TALE genes
C
Pbx1
Meis1
Meis2
Meis3
Fold change (hrs of RA/ES cells)
Hours of RA
0 2 12 24 36 48 60
D
Differentiated ES cells
Wt
Hoxa1+/-
Fold change
12
8
4
0
Exon1
Exon 2
Hoxa1 mRNA level
E
Fold change
5
4
3
2
1
0
Pbx1
Pbx2
Pbx3
Pbx4
Meis1
Meis2
Meis3
TGIF1
TGIF2
Prep1
Prep2
TALE mRNA level