

XX

XY

Stages

a

b

c

d

e

f

g

h

Esr2
Pcgf2
Zfp644
Hes1
Xpa
Pbx3
Esr1
Foxl2
Ybx3
Ybx2
Figla
Pbx1
Meis3
Maf
Peg3
Tcf21

Gtf2i
Pitx1
Zbtb16
Nr5a1
Sox9
Hmga1
Tet1
Foxo3
Zfp628
Ppard

Ncoa2
Ahr
Mybl1
Adnp2

Stages

XX E11.5
XX E12.5
XX E13.5
XX E15.5
XY E11.5
XY E12.5
XY E13.5
XY E15.5

z-score

2
1
0
-1
-2

Clusters

a
b
c
d
e
f
g
h