

A

Sampl...  
samples

B

PAM50

Her2

Basal

LumB

LumA

5 samples

C

CRE  
FOXA1

100kb

0.0 3.0  
log2(count+1)

D

regulon gene exp...  
FOXA1low high  
z score

E

CRE  
ESR1

5' 100kb 3'

0.0 3.0  
log2(count+1)

F

regulon gene ex...  
ESR1low high  
z score

G

CRE  
FOXC1

100kb

0.0 3.0  
log2(count+1)

H

regulon gene ...  
FOXC1low high  
z score