Figure 8 – figure supplement 1.

A

~2500 genes

H3^D/H3^H H3^{D}K4R/H3^H H3^D/H3^{H}K4R   H3^{D}K4R/H3^{H}K4R

MID

-4 -2 0 2 4 6

Normalized
log2 Gene
Expression
Intensity

B

I   II   III

H3^D/H3^{H}K4R

Gene number

50
40
30
20
10
0
-15   -10   -5   0   5   10   15

H3^{D}K4R/H3^{H}K4R   H3^D/H3^H

Skewness to H3^D/H3^H or H3^{D}K4R/H3^{H}K4R

C

YOR008C/ACT1

2.5
2.0
1.5
1.0
0.5
0.0
1   2   3   4

H3K4me3

Relative levels
(H3K4me3/ IP H4)

1.5
1.0
0.5
0.0
1   2   3   4

D

YMR315W/ACT1

2.0
1.5
1.0
0.5
0.0
1   2   3   4

H3K4me3

Relative levels
(H3K4me3/ IP H4)

2.0
1.5
1.0
0.5
0.0
1   2   3   4

E

YLR359W/ACT1

2.0
1.5
1.0
0.5
0.0
1   2   3   4

H3K4me3

Relative levels
(H3K4me3/ IP H4)

2.5
2.0
1.5
1.0
0.5
0.0
1   2   3   4

F

H3^D/H3^H *set1Δ* H3^D/H3^H

-3 -2 -1 0 1 2 3

Normalized
log2 Gene
Expression
Intensity

G

Log$_2$ fold-change

6
4
2
0
-2
-4
1   2   3   4