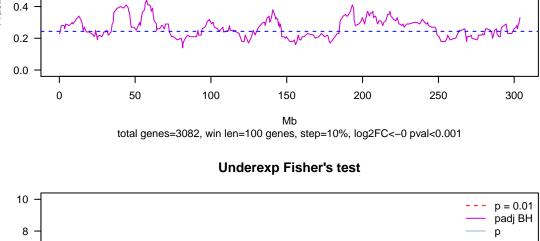
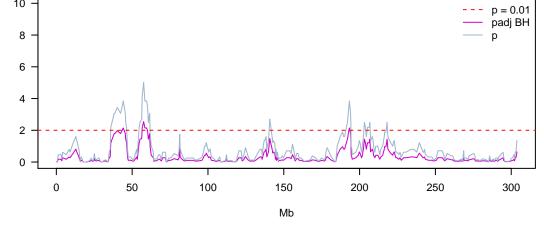
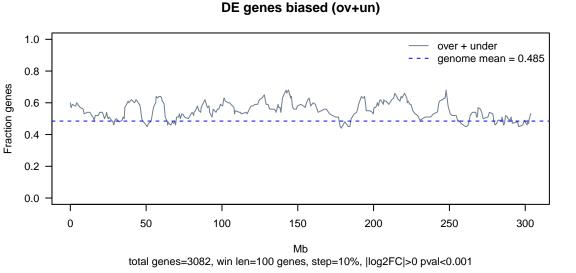
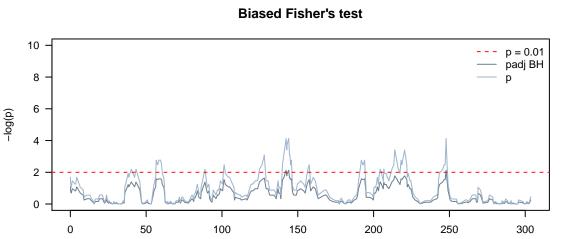
Overexp genes chr 1 | comp ALL.RUN-SNO 1.0 overexpressed genome mean = 0.244 8.0 Fraction genes 0.6 0.4 0.2 0.0 0 250 50 100 150 200 300 Mb total genes=3082, win len=100 genes, step=10%, log2FC>0 pval<0.001 Overexp Fisher's test 10 p = 0.01padj BH 8 p 6 4 2 0 0 50 200 250 300 100 150 Mb Underexp genes chr 1 | comp ALL.RUN-SNO 1.0 underexpressed genome mean = 0.241 8.0 Fraction genes 0.6 0.4 0.2 0.0 0 200 50 100 150 250 300 Mb total genes=3082, win len=100 genes, step=10%, log2FC<-0 pval<0.001









Mb

Overexp genes chr 2 | comp ALL.RUN-SNO 1.0 overexpressed genome mean = 0.244 8.0 Fraction genes 0.6 0.4 0.2 0.0 400 0 200 100 300 Mb total genes=5253, win len=100 genes, step=10%, log2FC>0 pval<0.001 Overexp Fisher's test 10 p = 0.01padj BH 8 p 6 4 2 0 0 200 300 400 100 Mb Underexp genes chr 2 | comp ALL.RUN-SNO 1.0 underexpressed genome mean = 0.241 8.0 Fraction genes 0.6 0.4 0.2 0.0 0 100 200 300 400 Mb total genes=5253, win len=100 genes, step=10%, log2FC<-0 pval<0.001 **Underexp Fisher's test** 10 p = 0.01padj BH 8 6 4 2 0 0 100 200 300 400 Mb DE genes biased (ov+un) 1.0 over + under genome mean = 0.485 8.0 Fraction genes 0.6 0.4 0.2 0.0 0 100 200 300 400 Mb total genes=5253, win len=100 genes, step=10%, |log2FC|>0 pval<0.001 **Biased Fisher's test** 10 p = 0.01 padj BH

400

8

6

4

2

0

0

100

200

Mb

300

Overexp genes chr 3 | comp ALL.RUN-SNO 1.0 overexpressed genome mean = 0.244 8.0 Fraction genes 0.6 0.4 0.2 0.0 0 100 200 300 400 Mb total genes=4596, win len=100 genes, step=10%, log2FC>0 pval<0.001 Overexp Fisher's test 10 p = 0.01padj BH 8 p 6 4 2 0 0 100 300 200 400 Mb Underexp genes chr 3 | comp ALL.RUN-SNO 1.0 underexpressed genome mean = 0.241 8.0 Fraction genes 0.6 0.4 0.2 0.0 0 300 100 200 400 Mb total genes=4596, win len=100 genes, step=10%, log2FC<-0 pval<0.001 **Underexp Fisher's test** 10 p = 0.01padj BH 8 6 4 2 0 0 300 100 400 200 Mb DE genes biased (ov+un) 1.0 over + under genome mean = 0.485 8.0 Fraction genes 0.6 0.4 0.2 0.0 0 100 200 300 400 Mb total genes=4596, win len=100 genes, step=10%, |log2FC|>0 pval<0.001 **Biased Fisher's test** 10 p = 0.01 padj BH 8 6 4 2

0

0

100

200

Mb

300

400