cDNA synthesis  
Adaptor ligation  
PCR  
validation of library with Bioanalyzer

18hpf hoxb1b^-/- whole embryos as input

Illumina High Seq 200 single read 100 bases

Total=666

-Log2(p-value)

Significantly enriched GO terms (up-regulated) Top 20
Significantly enriched GO terms (down-regulated) Top 20

A

B

C

D

WT  
Aos1P13T

predicted up-regulated genes  
predicted unchanged genes  
predicted down-regulated genes

relative mRNA levels

p=0.04  
p<0.05  
p=0.03

p=0.04  
p=0.03  
p=0.1

p=0.04  
p<0.05  
p=0.03

p=0.04  
p=0.03  
p=0.1