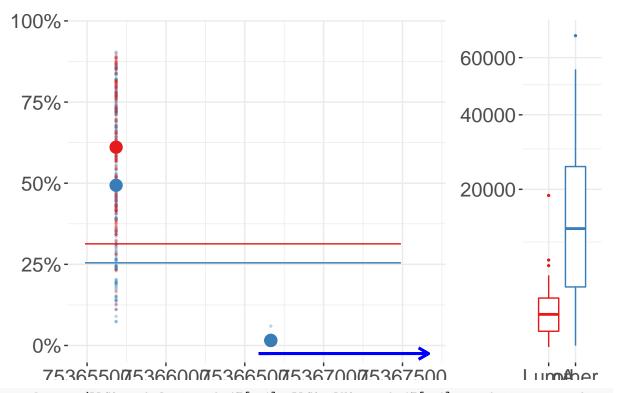
Generating_reports

```
library(MLExpResso)
library(MLExpRessodata)
library(plyr)
Blah Blah datasets descriptions
condition.m <-ifelse(BRCA_methylation_chr17$SUBTYPE=="LumA","LumA","other")</pre>
condition.e <-ifelse(BRCA mRNAseq chr17$SUBTYPE=="LumA","LumA","other")</pre>
BRCA_methylation_chr17_gene <- aggregate_probes(BRCA_methylation_chr17)</pre>
test_met_brca <- calculate_test(BRCA_methylation_chr17_gene, condition.m, "ttest")</pre>
test_expr_brca <- calculate_test(BRCA_mRNAseq_chr17[,-1], condition.e, "lrt")</pre>
expression_100 <-test_expr_brca[order(test_expr_brca$pval, decreasing= F),]</pre>
expression_100 <- expression_100[c(1:100),]</pre>
methylation_100 <-test_met_brca[order(test_met_brca$pval, decreasing= F),]</pre>
methylation_100 <- methylation_100[c(1:100),]</pre>
x <- expression_100[which(expression_100$id %in% methylation_100$id),]
genes <- x$id
Function report_generate for generating reports:
report_generate(BRCA_mRNAseq_chr17[,-1], BRCA_methylation_chr17[,-1], condition.e, condition.m,
                 test_expr_brca, test_met_brca, genes)
plot_gene(BRCA_methylation_chr17[,-1], BRCA_mRNAseq_chr17[,-1],condition.m, condition.e, "CBX2")
```

CBX2



 $\verb|plot_volcanoes| (BRCA_methylation_chr17[,-1], BRCA_mRNAseq_chr17[,-1], condition.m, condition.e , "CBX2", and the substitution of the condition of the cond$

0.23 0.33 mA: 307 891 1861 2457 3133 0.15 0.26ther 346 4187 12224 16689 2538

