

Quality Control of Expression Data

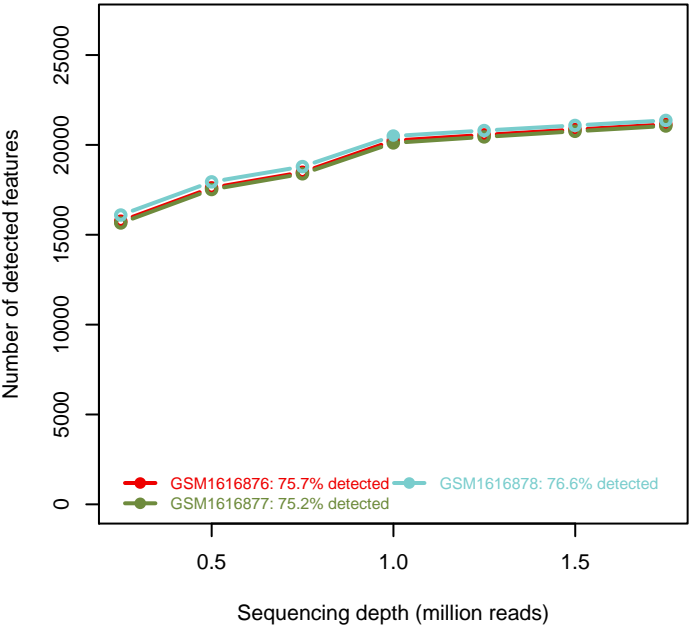
Generated by NOISeq on 14 Mar 2016, 02:48:10

Content

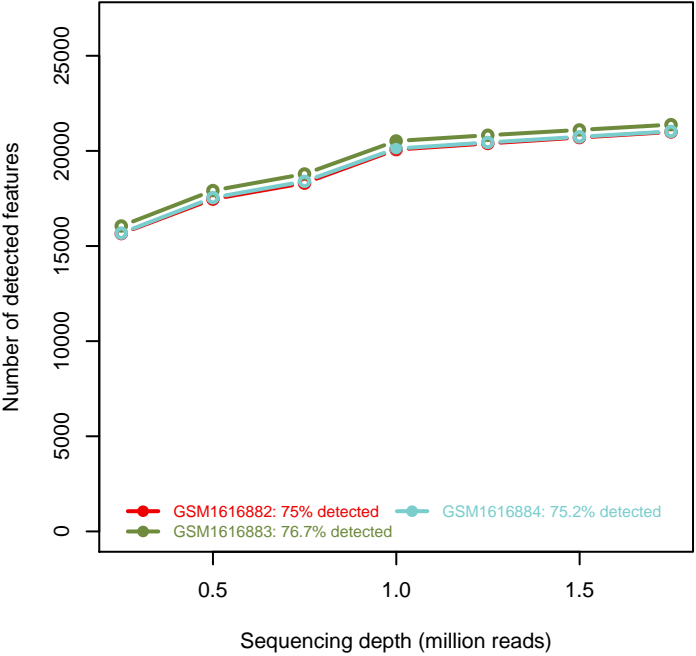
<i>Plot</i>	<i>Description</i>
Biotype detection	Plot not available. Biotypes information was not provided.
Biotype expression	Plot not available. Biotypes information was not provided.
Saturation	Number of detected genes (counts > 0) per sample across different sequencing depths
Expression boxplot	Distribution of gene counts per million (all biotypes) in each sample/condition
Expression barplot	Percentage of genes with >0, >1, >2, >5 or >10 counts per million in each sample/condition.
Length bias	Plot not available. Gene length was not provided.
GC content bias	Plot not available. Gene GC content was not provided.
RNA composition bias	Density plots of log fold changes (M) between pairs of samples. Confidence intervals for the median of M values.
Exploratory PCA	Principal Component Analysis score plots for PC1 vs PC2, and PC1 vs PC3.

Sequencing depth & Expression quantification

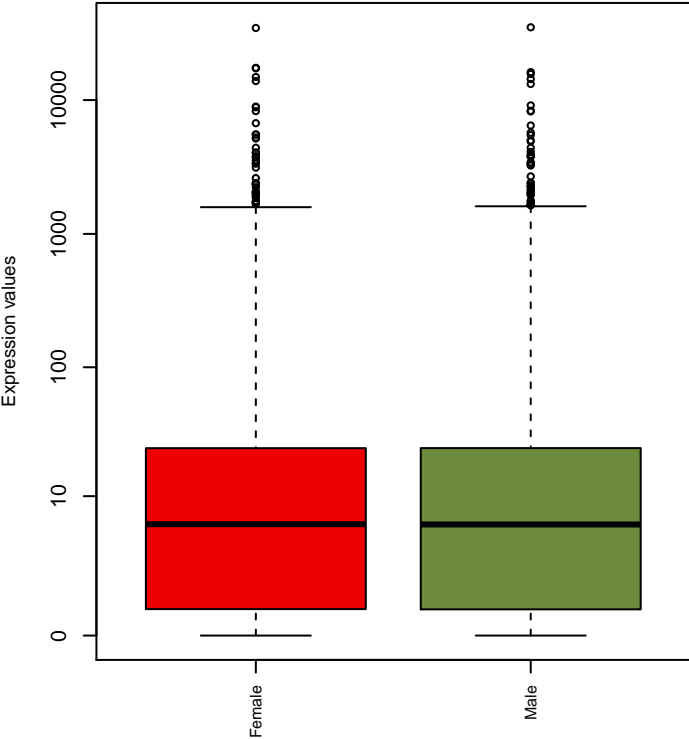
GLOBAL (26743)



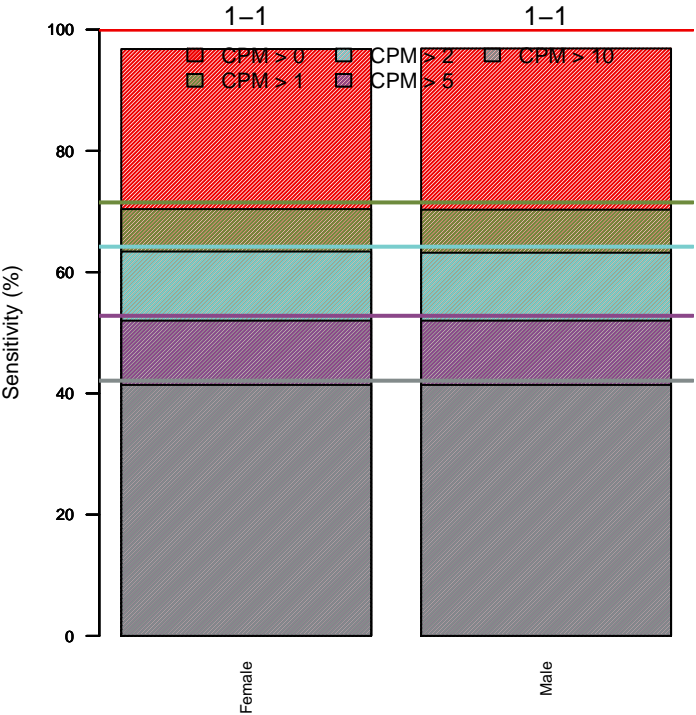
GLOBAL (26743)



GLOBAL (26743)



GLOBAL (26743)

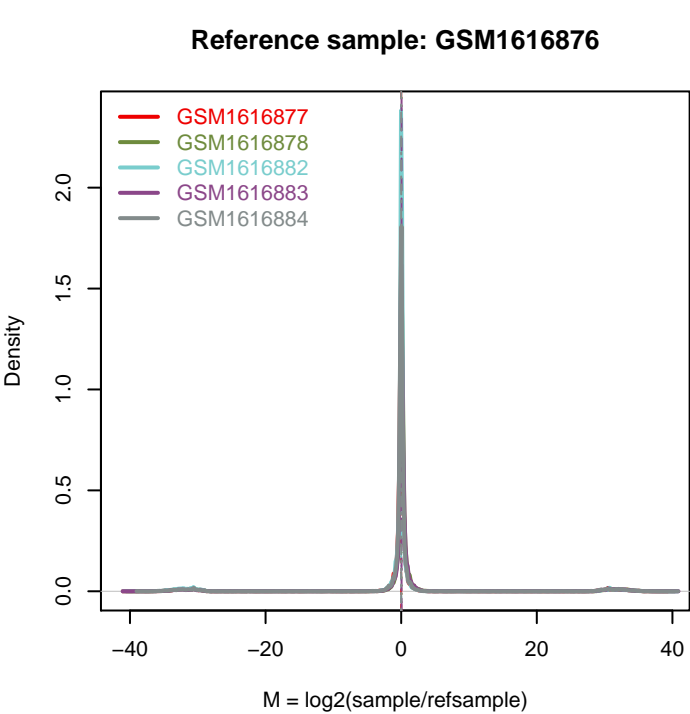


Sequencing bias detection

Diagnostic plot for differences in RNA composition

FAILED. There is a pair of samples with significantly different RNA composition

Normalization for correcting this bias is required.



Confidence intervals for median of M values

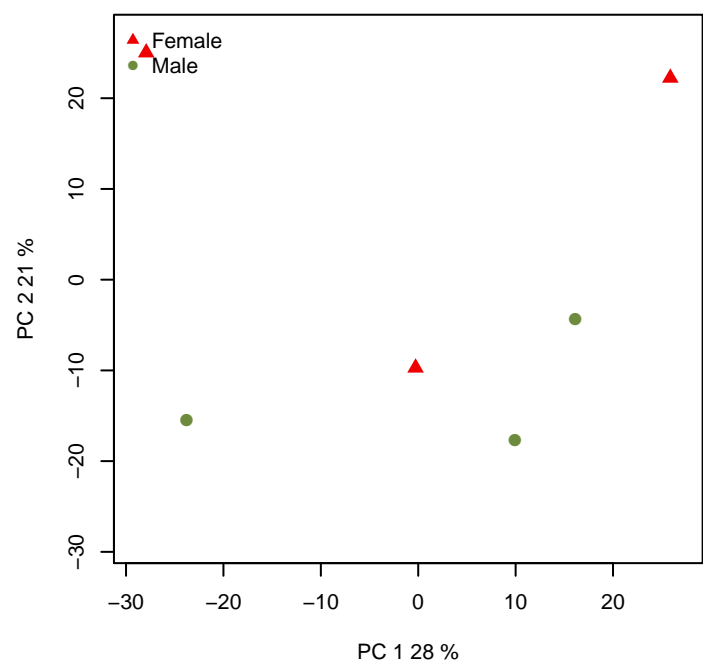
Sample	0.5%	99.5%	Diagnostic Test
GSM1616877	-0.0031	0	PASSED
GSM1616878	0.063	0.074	FAILED
GSM1616882	0	0	PASSED
GSM1616883	0.0434	0.0563	FAILED
GSM1616884	0	0	PASSED

Exploratory PCA

Use this plot to see if samples are clustered according to the experimental design.

Use ARSyNseq function to correct potential batch effects.

Scores



Scores

