

Regeneration *Drosophila melanogaster*
new RNAseq samples sequenced at the CRG

06/01/2016

Outline

Overview of RNA-seq samples

Mapping statistics

Correlation between replicates

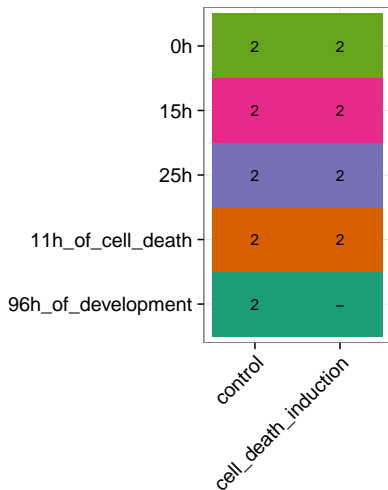
Comparison between ERC wing disc and 96h control

PCA and Clustering

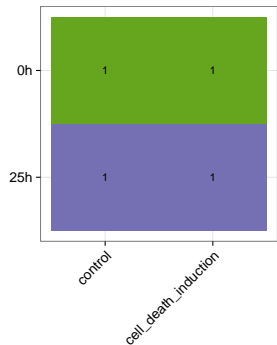
Control genes

RNAseq samples

Samples sequenced in India



Samples sequenced at the CRG



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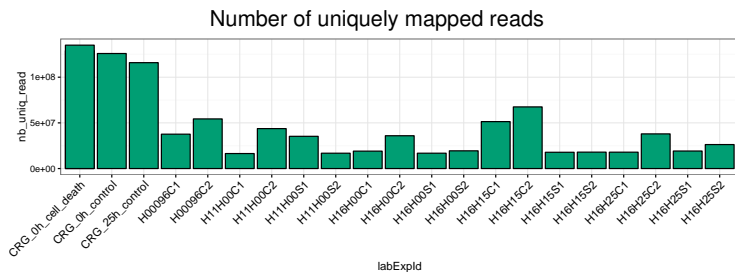
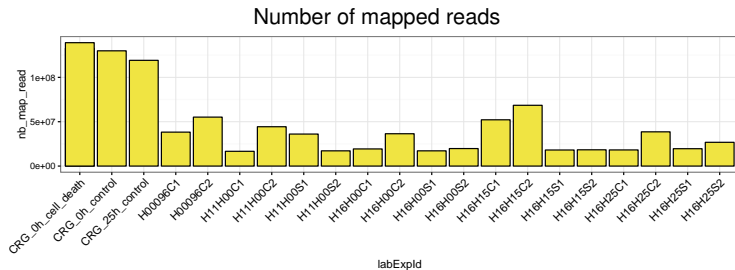
Correlation between replicates

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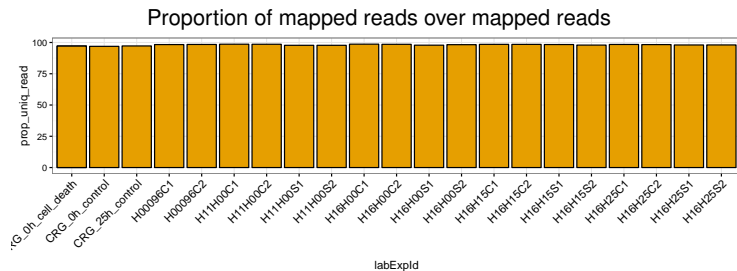
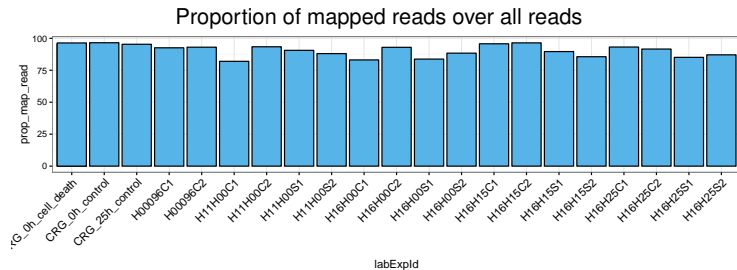
PCA and Clustering

Control genes

Mapping statistics

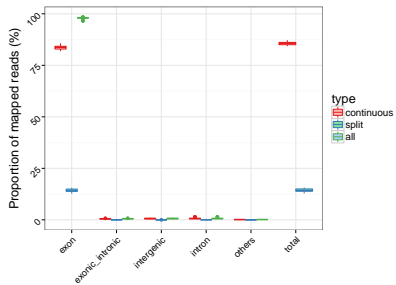


Mapping statistics

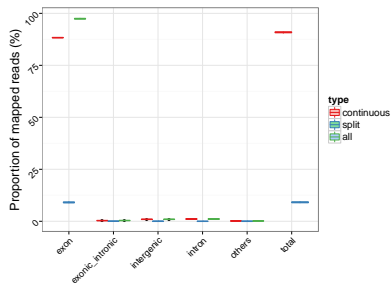


Genomic regions

Samples sequenced in India



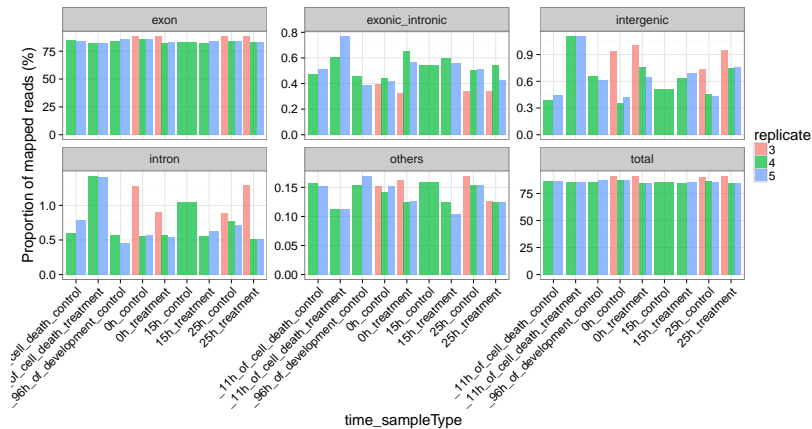
Samples sequenced at the CRG



Genomic regions - continuous mapping

Replicates 4 and 5 = Samples sequenced in India

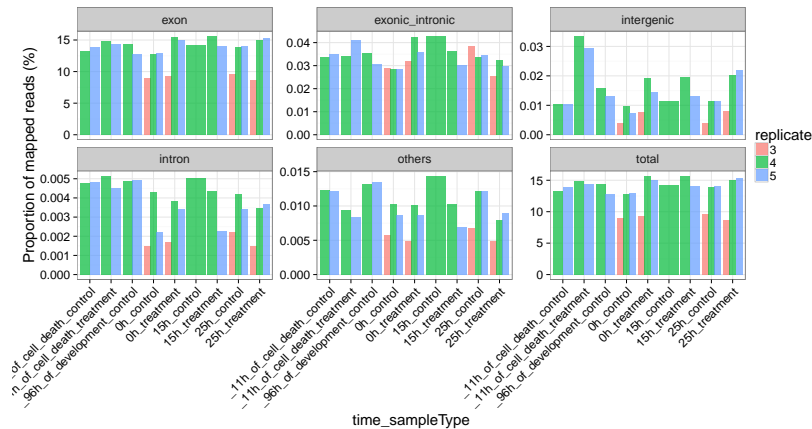
Replicate 3 = Samples sequenced at the CRG



Genomic regions - split mapping

Replicates 4 and 5 = Samples sequenced in India

Replicate 3 = Samples sequenced at the CRG



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Overview of RNA-seq samples

Mapping statistics

Correlation between replicates

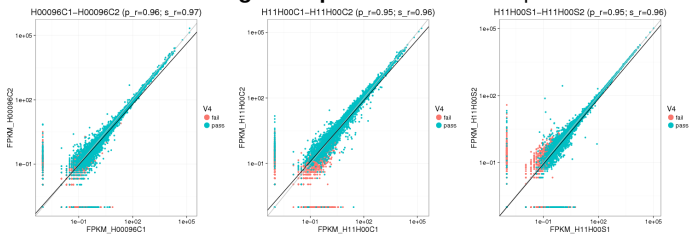
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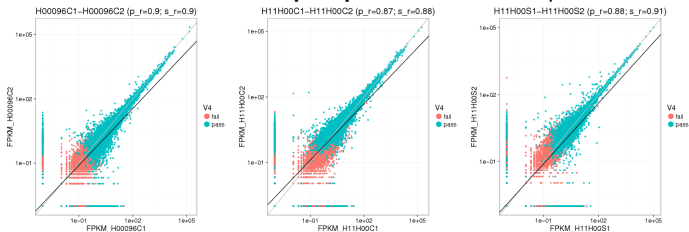
Control genes

96h control and 11h cell death

Correlation of gene expression between replicates

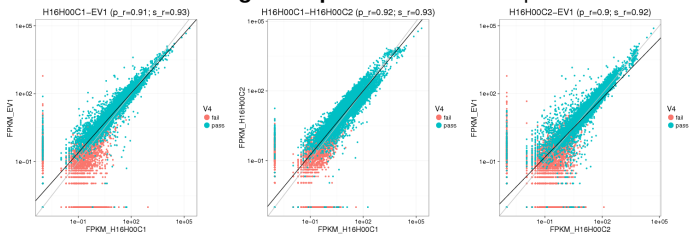


Correlation of transcript expression between replicates

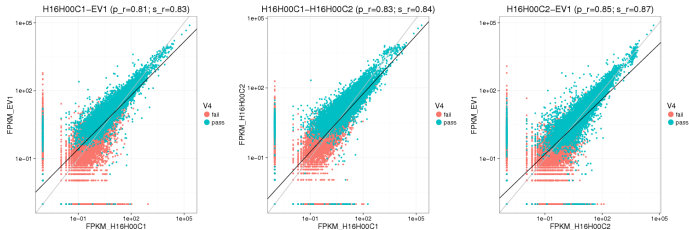


0h control

Correlation of gene expression between replicates

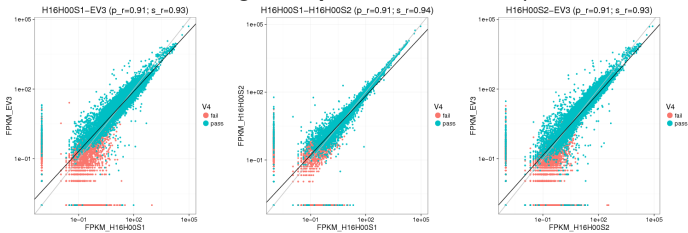


Correlation of transcript expression between replicates

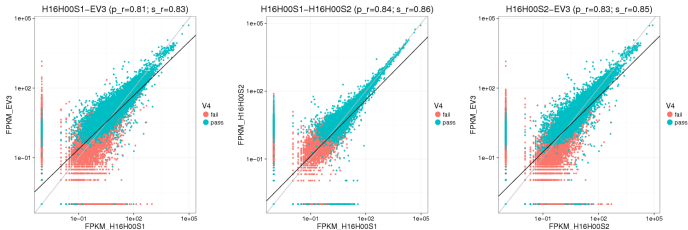


0h cell death

Correlation of gene expression between replicates

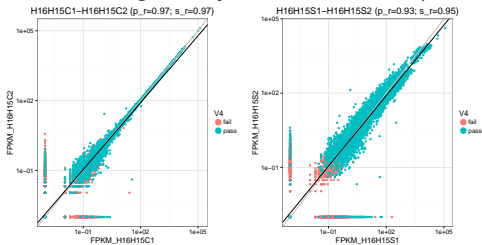


Correlation of transcript expression between replicates

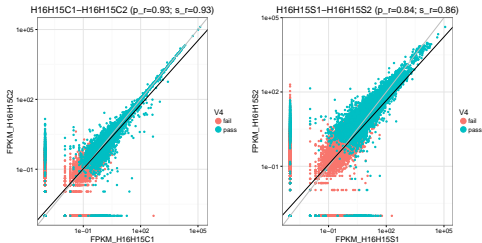


15h control and cell death - not sequenced in CRG

Correlation of **gene** expression between replicates

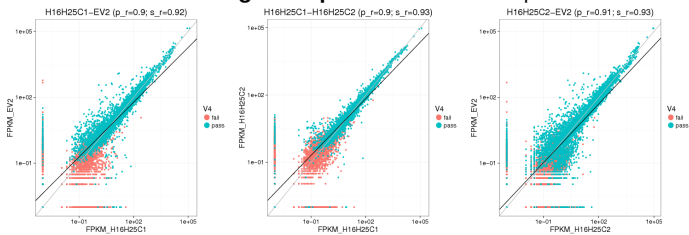


Correlation of **transcript** expression between replicates

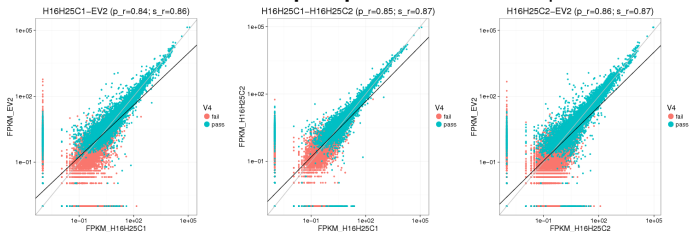


25h control

Correlation of gene expression between replicates

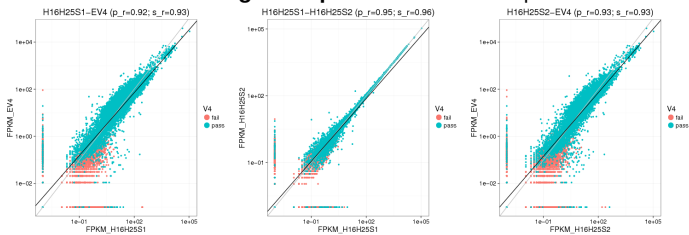


Correlation of transcript expression between replicates

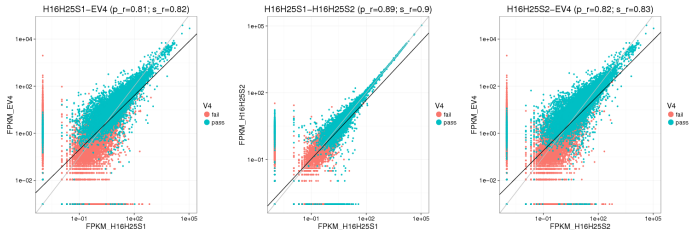


25h cell death

Correlation of gene expression between replicates

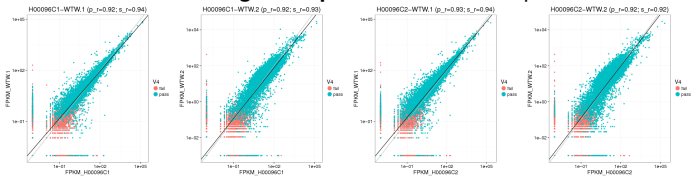


Correlation of transcript expression between replicates

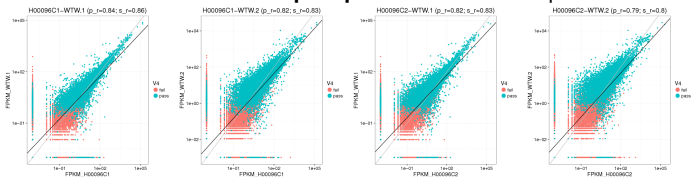


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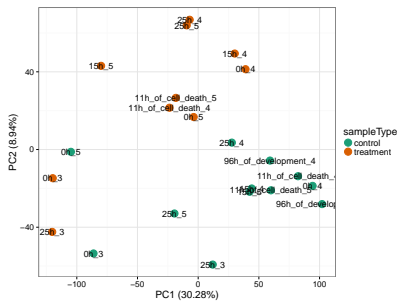
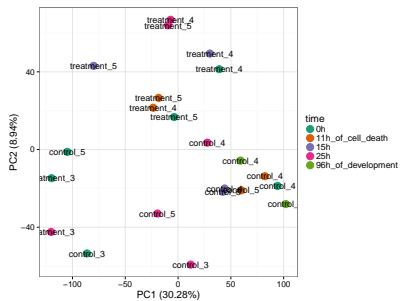
Correlation of **gene expression** between replicates



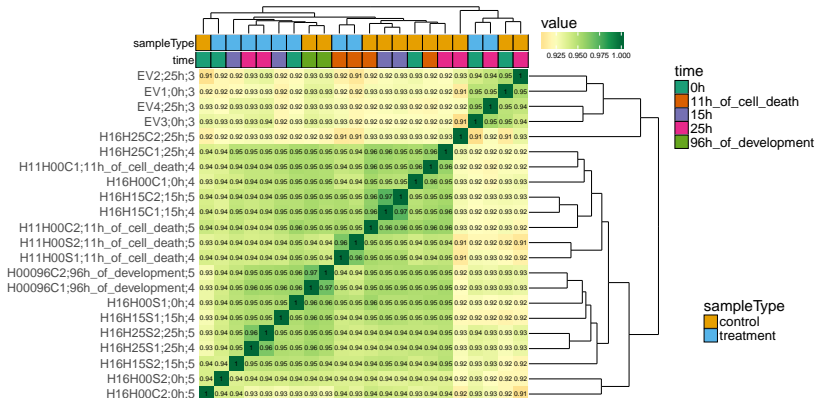
Correlation of **transcript expression** between replicates



PCA and Clustering



PCA and Clustering



Control genes

