

# Outline

RNAseq samples

Control VS treatment

Control Samples along time

Treatment Samples along time

Controls

Treatment

Control genes

# Outline

RNAseq samples

Control VS treatment

Control Samples along time

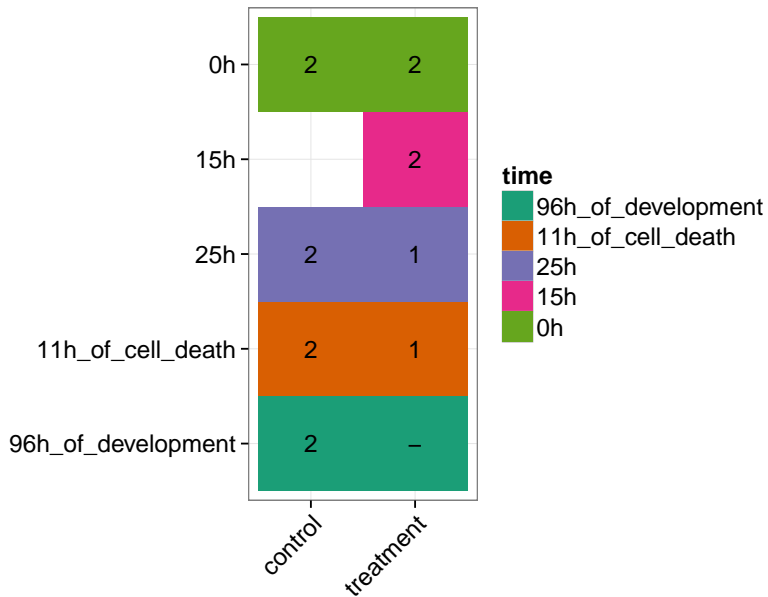
Treatment Samples along time

Controls

Treatment

Control genes

# RNAseq samples



# Outline

RNAseq samples

**Control VS treatment**

Control Samples along time

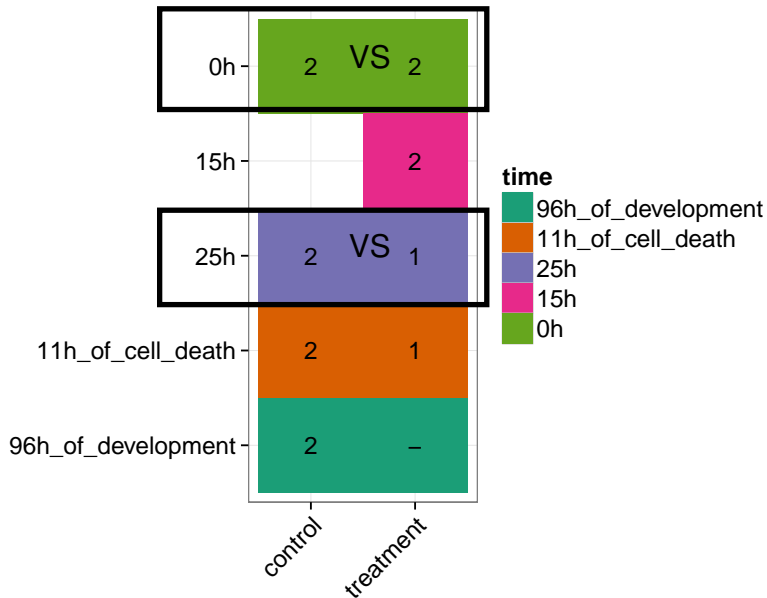
Treatment Samples along time

Controls

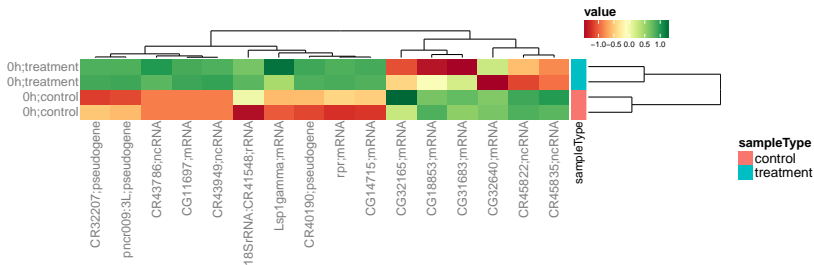
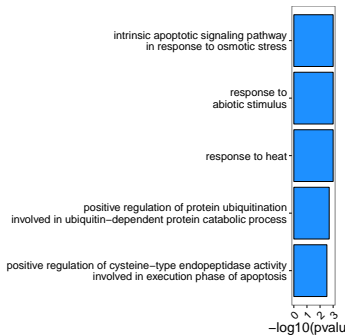
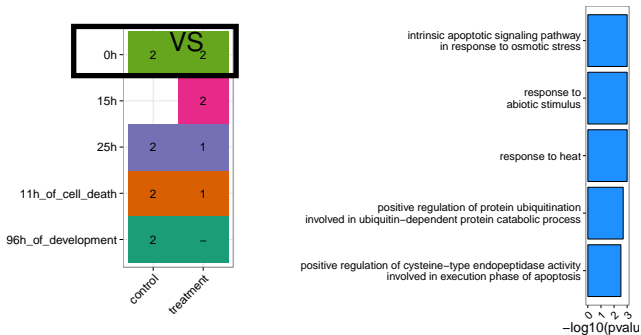
Treatment

Control genes

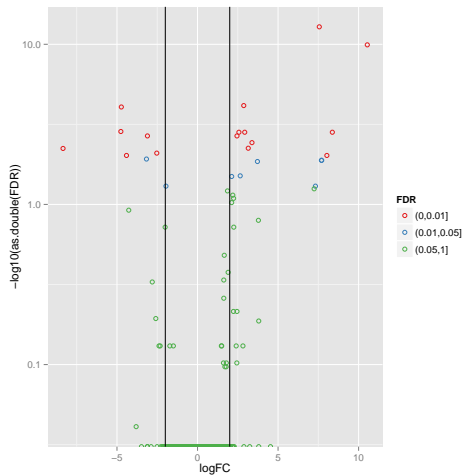
# DEG - control VS treatment (EdgeR, FDR<sub>i</sub>0.01)



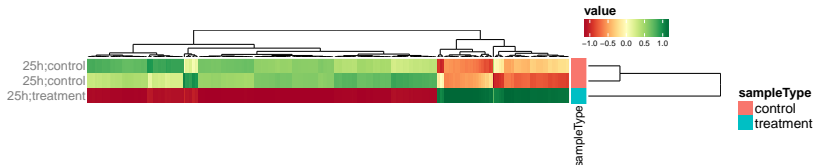
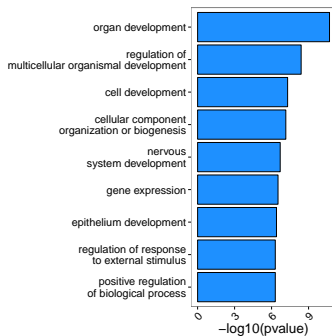
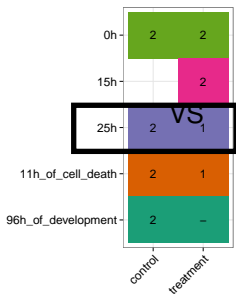
# DEG - control VS treatment 0h - 16 genes



# DEG - control VS treatment 0h - 16 genes

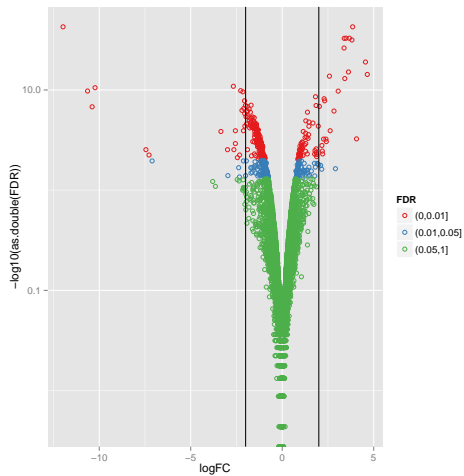


# DEG - control VS treatment 25h - 295 genes

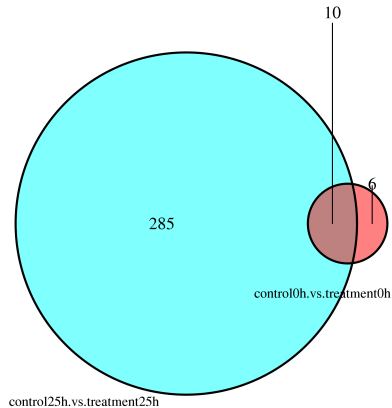
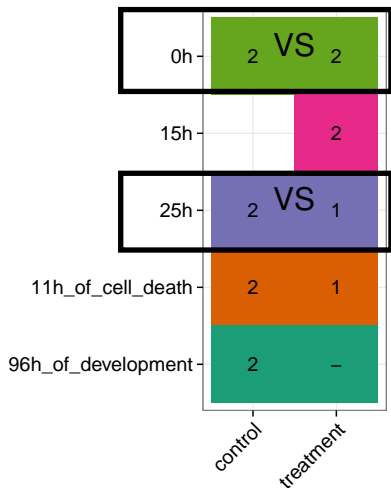




# DEG - control VS treatment **25h** - 295 genes



# DEG - control VS treatment



# Outline

RNAseq samples

Control VS treatment

**Control Samples along time**

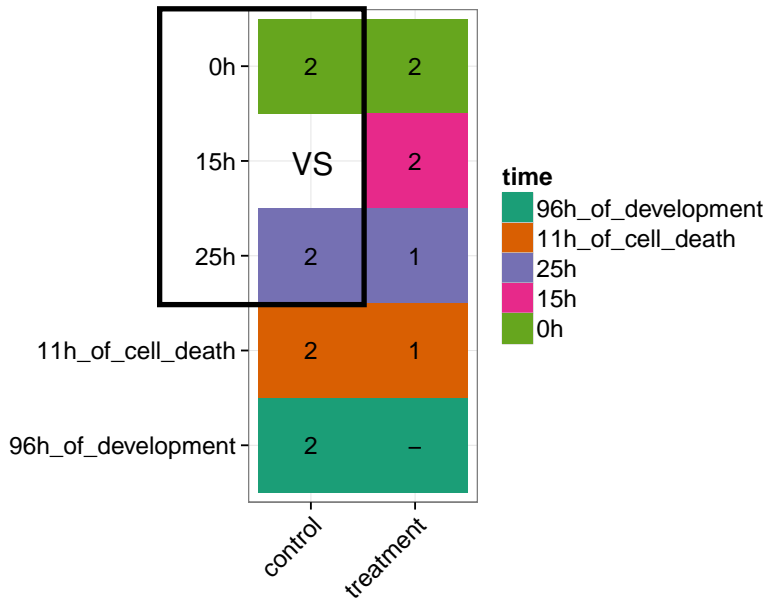
Treatment Samples along time

Controls

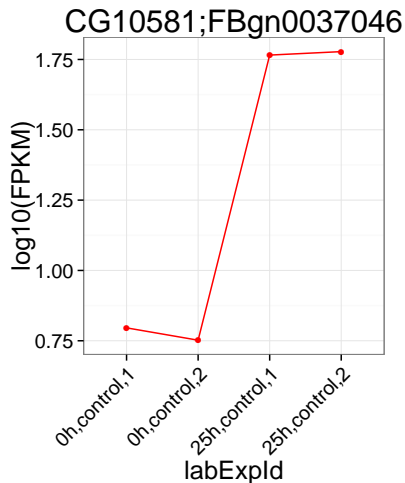
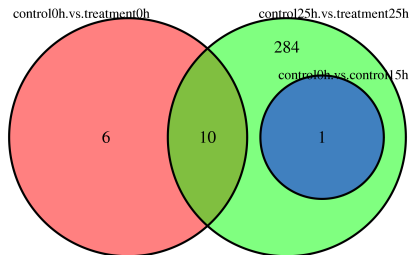
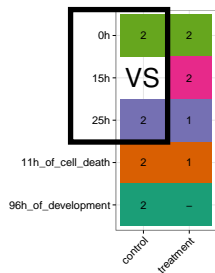
Treatment

Control genes

# DEG - control samples along time



# DEG - control 0h VS control 25h - 1 gene



# Outline

RNAseq samples

Control VS treatment

Control Samples along time

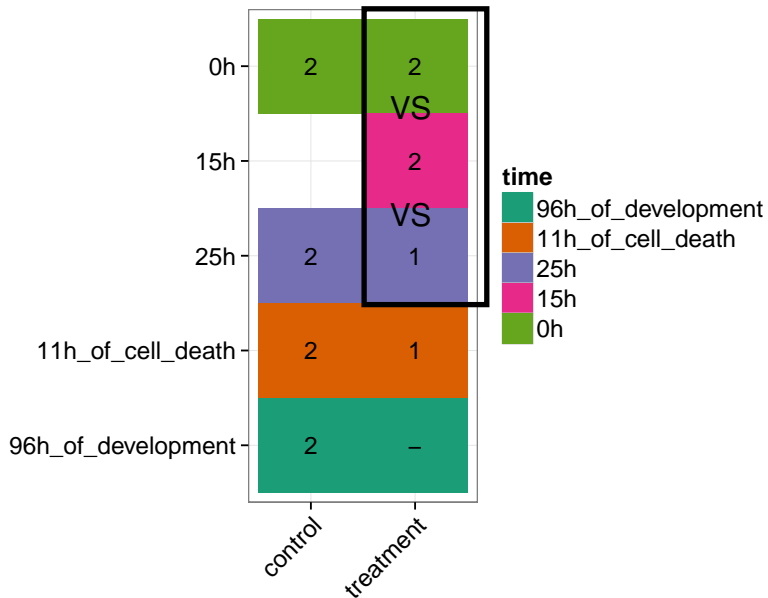
**Treatment Samples along time**

Controls

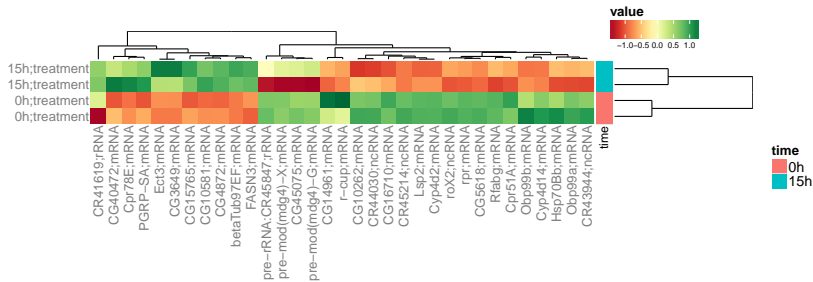
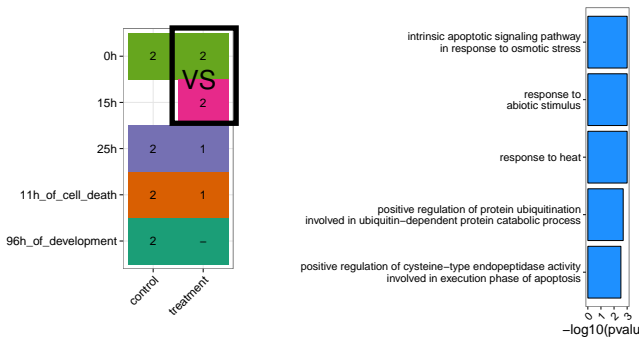
Treatment

Control genes

# DEG - treatment samples along time

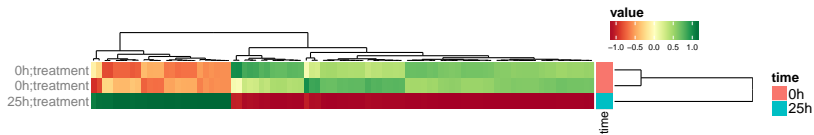
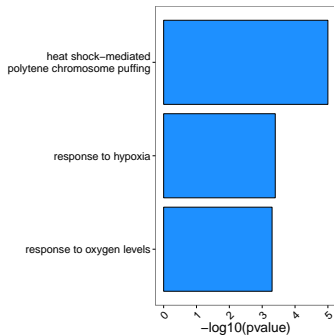
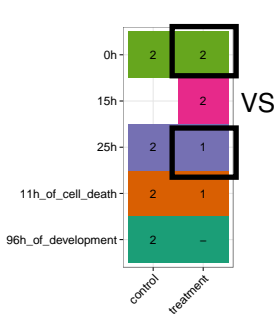


# DEG - treatment 0h VS 15h - 33 genes

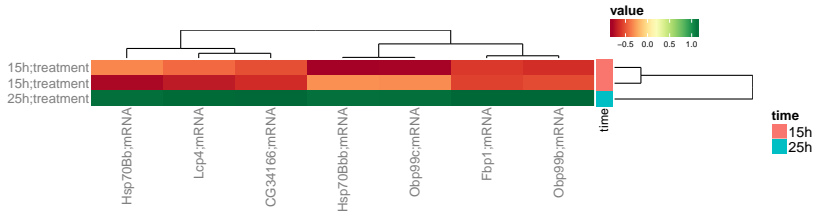
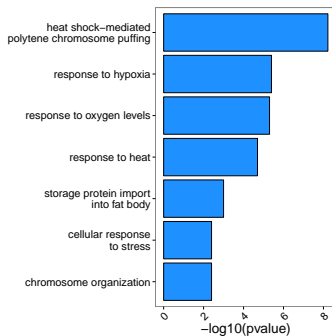
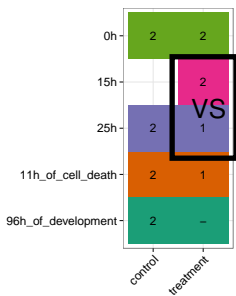




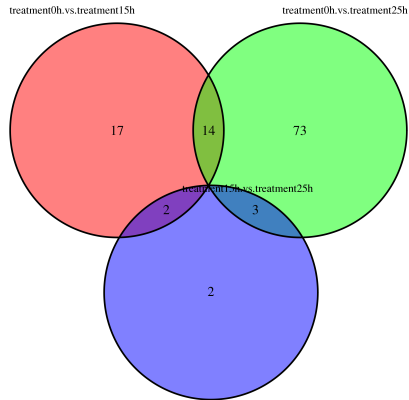
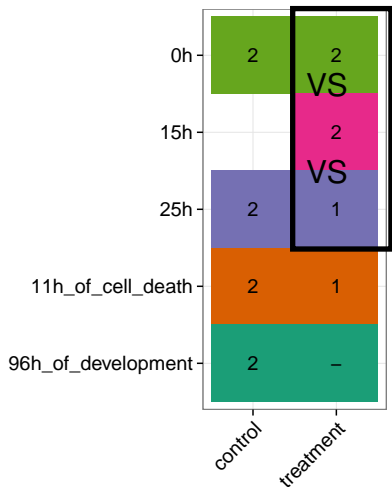
# DEG - treatment 0h VS 25h - 90 genes



# DEG - treatment 15h VS 25h - 7 genes



# DEG - treatment samples along time



# Outline

RNAseq samples

Control VS treatment

Control Samples along time

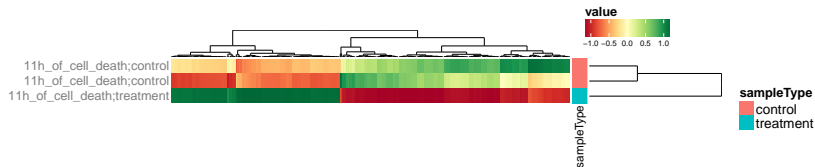
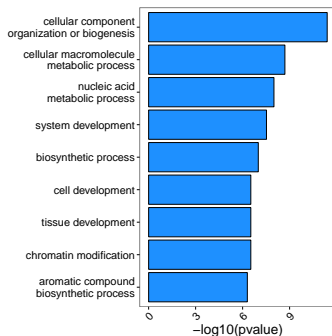
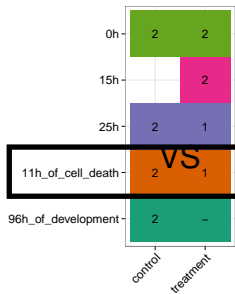
Treatment Samples along time

**Controls**

Treatment

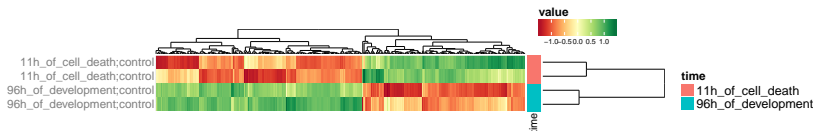
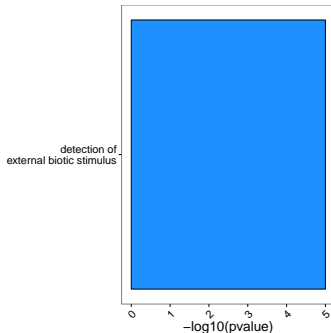
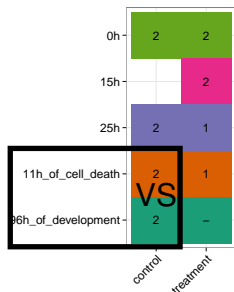
Control genes

# DEG - control VS treatment 11h of cell death - 463 genes

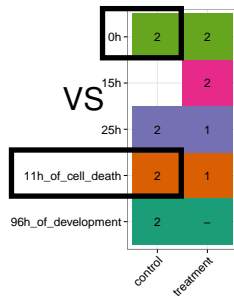


# DEG - control 11h of cell death VS 96h of development

## - 415 genes

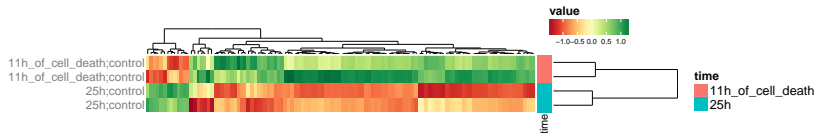
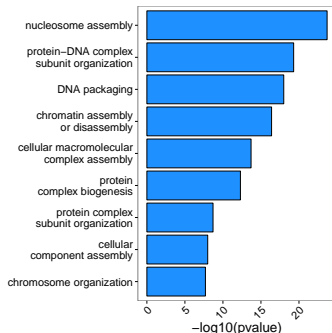
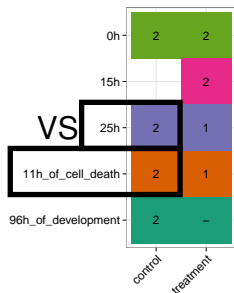


# DEG - control 11h of cell death VS control 0h - 0 genes



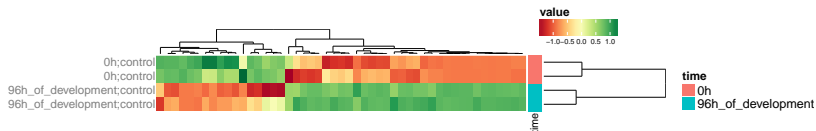
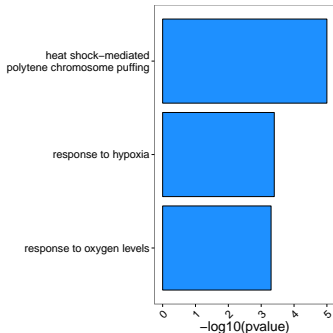
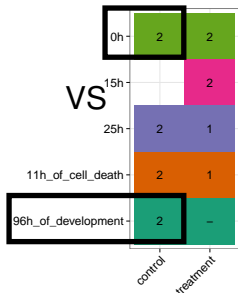
No differentially expressed genes

# DEG - control 11h of cell death VS control 25h - 116 genes

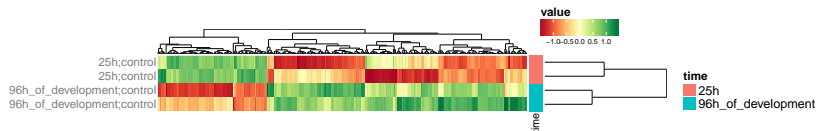
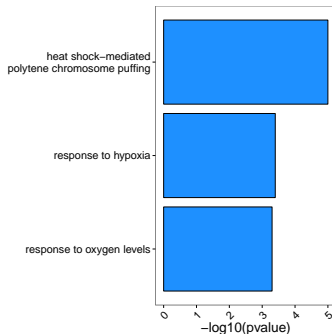
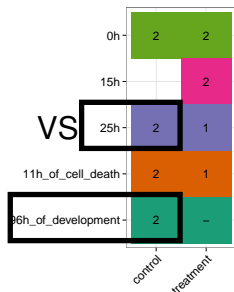




# DEG - control 96h of development VS control 0h - 46 genes



# DEG - control 96h of development VS control 25h - 501 genes



# Outline

RNAseq samples

Control VS treatment

Control Samples along time

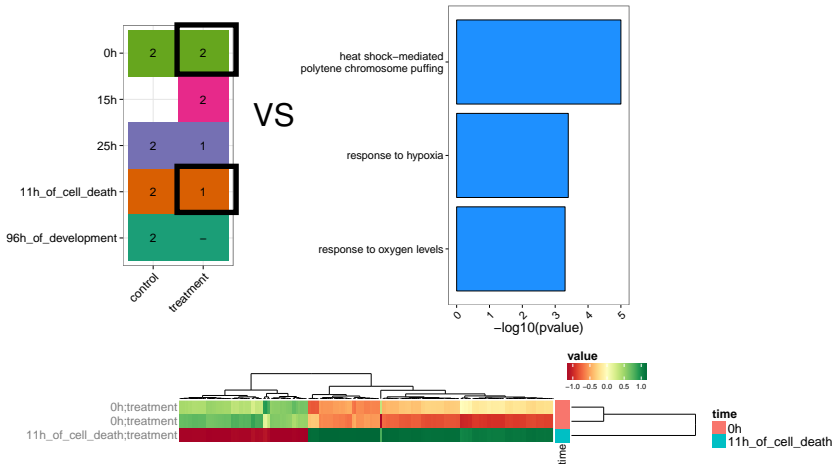
Treatment Samples along time

Controls

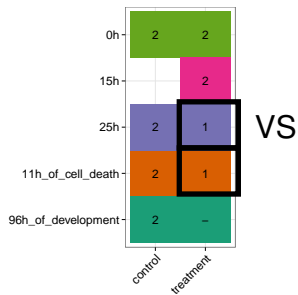
**Treatment**

Control genes

# DEG - treatment 11h of cell death VS treatment 0h - 192 genes



# DEG - treatment 11h of cell death VS treatment 25h

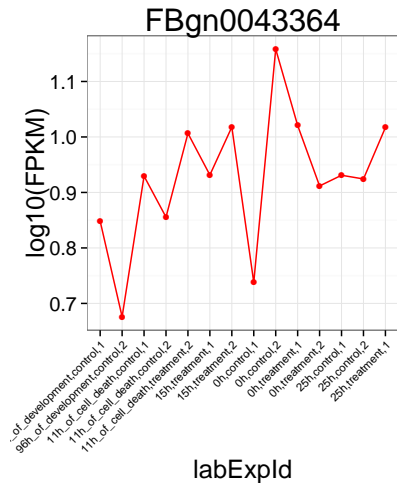


Not enough samples

# Control genes - differential expression analysis

gene id	gene name	gene type	DEG	logFC	PValue	FDR
FBgn0043364	cbt	mRNA	control.fer.cdv	-0.33	1.8e-01	5.1e-01
FBgn0043364	cbt	mRNA	control.fer.ser	0.13	7.8e-01	1.000
FBgn0043364	cbt	mRNA	control.fer.slr	-0.25	3.6e-01	9.4e-01
FBgn0043364	cbt	mRNA	control.ser.cdv	-0.24	6.2e-01	9.0e-01
FBgn0043364	cbt	mRNA	control.ser.slr	-0.18	7.4e-01	1.000
FBgn0043364	cbt	mRNA	control.slr.cdv	-0.08	7.3e-01	8.7e-01
FBgn0043364	cbt	mRNA	fer	-0.08	8.3e-01	9.6e-01
FBgn0043364	cbt	mRNA	ser	-0.02	9.7e-01	1.0e+00
FBgn0043364	cbt	mRNA	slr	0.2	5.6e-01	8.2e-01
FBgn0043364	cbt	mRNA	treatment.fer.flr	-0.24	6.6e-01	1.0e+00
FBgn0043364	cbt	mRNA	treatment.fer.ser	0.08	8.5e-01	9.9e-01
FBgn0043364	cbt	mRNA	treatment.flr.slr	0.21	7.0e-01	1.0e+00
FBgn0043364	cbt	mRNA	treatment.ser.flr	-0.16	7.2e-01	1.0e+00
FBgn0043364	cbt	mRNA	treatment.ser.slr	0.06	8.9e-01	1.0e+00

# Control genes - differential expression analysis

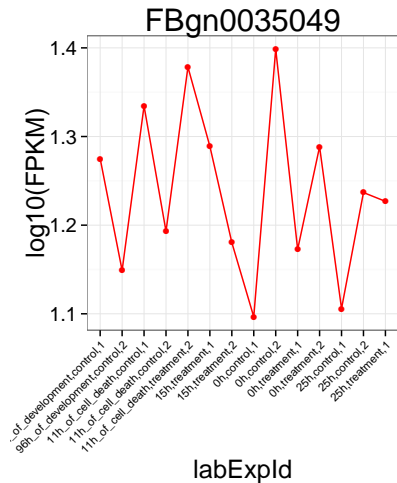


# Control genes - differential expression analysis

gene id	gene name	gene type	DEG	logFC	PValue	FDR
FBgn0035049	Mmp1	mRNA	control.fer.cdv	-0.1	6.4e-01	8.7e-01
FBgn0035049	Mmp1	mRNA	control.fer.ser	0.37	4.7e-01	1.000
FBgn0035049	Mmp1	mRNA	control.fer.slr	-0.63	1.1e-02	1.8e-01
FBgn0035049	Mmp1	mRNA	control.ser.cdv	0.24	6.2e-01	9.0e-01
FBgn0035049	Mmp1	mRNA	control.ser.slr	-0.31	5.3e-01	1.000
FBgn0035049	Mmp1	mRNA	control.slr.cdv	0.52	6.8e-03	5.2e-02
FBgn0035049	Mmp1	mRNA	fer	-0.1	7.4e-01	9.2e-01
FBgn0035049	Mmp1	mRNA	ser	-0.11	8.3e-01	1.0e+00
FBgn0035049	Mmp1	mRNA	slr	0.12	6.5e-01	8.7e-01
FBgn0035049	Mmp1	mRNA	treatment.fer.flr	-0.49	4.0e-01	1.0e+00
FBgn0035049	Mmp1	mRNA	treatment.fer.ser	0.39	2.3e-01	6.5e-01
FBgn0035049	Mmp1	mRNA	treatment.flr.slr	0.02	9.4e-01	1.0e+00
FBgn0035049	Mmp1	mRNA	treatment.ser.flr	-0.09	8.2e-01	1.0e+00
FBgn0035049	Mmp1	mRNA	treatment.ser.slr	-0.07	8.7e-01	9.9e-01



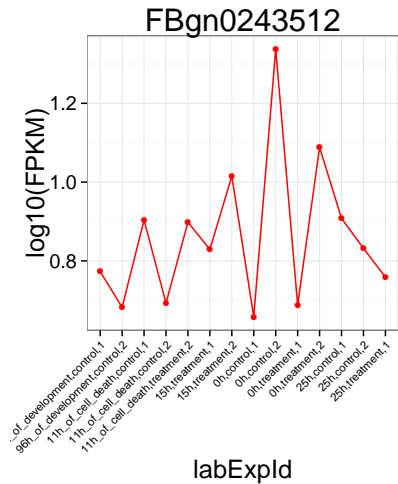
# Control genes - differential expression analysis



# Control genes - differential expression analysis

gene id	gene name	gene type	DEG	logFC	PValue	FDR
FBgn0243512	puc	mRNA	control.fer.cdv	-0.2	4.2e-01	7.5e-01
FBgn0243512	puc	mRNA	control.fer.ser	-0.54	3.4e-01	1.000
FBgn0243512	puc	mRNA	control.fer.slr	-0.14	6.4e-01	9.9e-01
FBgn0243512	puc	mRNA	control.ser.cdv	-0.79	1.4e-01	7.8e-01
FBgn0243512	puc	mRNA	control.ser.slr	-0.74	1.9e-01	1.000
FBgn0243512	puc	mRNA	control.slr.cdv	-0.07	7.4e-01	8.8e-01
FBgn0243512	puc	mRNA	fer	-0.12	7.6e-01	9.3e-01
FBgn0243512	puc	mRNA	ser	-0.52	4.0e-01	1.0e+00
FBgn0243512	puc	mRNA	slr	-0.54	1.6e-01	4.6e-01
FBgn0243512	puc	mRNA	treatment.fer.flr	-0.07	8.9e-01	1.0e+00
FBgn0243512	puc	mRNA	treatment.fer.ser	-0.15	8.0e-01	9.8e-01
FBgn0243512	puc	mRNA	treatment.flr.slr	-0.55	4.1e-01	1.0e+00
FBgn0243512	puc	mRNA	treatment.ser.flr	-0.22	6.4e-01	1.0e+00
FBgn0243512	puc	mRNA	treatment.ser.slr	-0.75	1.7e-01	6.8e-01

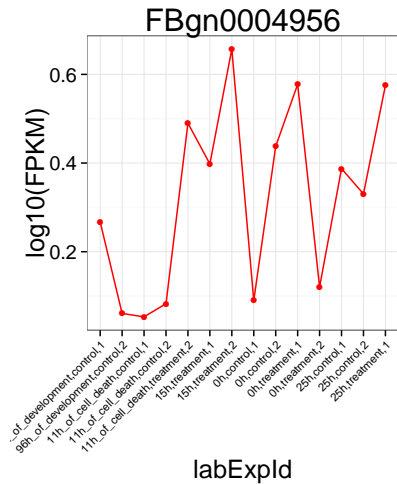
# Control genes - differential expression analysis



# Control genes - differential expression analysis

gene id	gene name	gene type	DEG	logFC	PValue	FDR
FBgn0004956	upd1	mRNA	control.fer.cdv	0.38	3.5e-01	6.8e-01
FBgn0004956	upd1	mRNA	control.fer.ser	-0.34	6.2e-01	1.000
FBgn0004956	upd1	mRNA	control.fer.slr	0.59	1.9e-01	8.1e-01
FBgn0004956	upd1	mRNA	control.ser.cdv	0	1.0e+00	1.0e+00
FBgn0004956	upd1	mRNA	control.ser.slr	0.2	7.6e-01	1.000
FBgn0004956	upd1	mRNA	control.slr.cdv	-0.21	5.5e-01	7.6e-01
FBgn0004956	upd1	mRNA	fer	0.85	1.0e-01	3.3e-01
FBgn0004956	upd1	mRNA	ser	0.39	6.3e-01	1.0e+00
FBgn0004956	upd1	mRNA	slr	0.65	2.1e-01	5.3e-01
FBgn0004956	upd1	mRNA	treatment.fer.flr	0.13	9.2e-01	1.0e+00
FBgn0004956	upd1	mRNA	treatment.fer.ser	0.13	8.4e-01	9.9e-01
FBgn0004956	upd1	mRNA	treatment.flr.slr	0.2	7.5e-01	1.0e+00
FBgn0004956	upd1	mRNA	treatment.ser.flr	0.25	7.0e-01	1.0e+00
FBgn0004956	upd1	mRNA	treatment.ser.slr	0.46	5.2e-01	9.0e-01

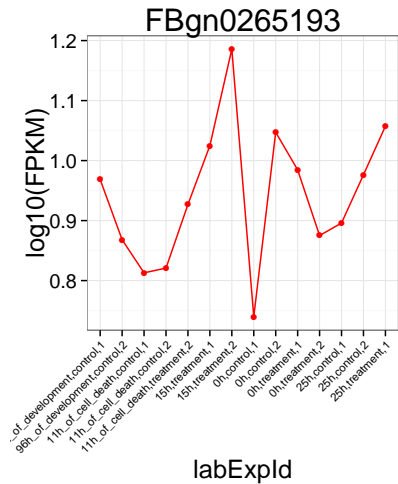
# Control genes - differential expression analysis



# Control genes - differential expression analysis

gene id	gene name	gene type	DEG	logFC	PValue	FDR
FBgn0265193	Atf-2	mRNA	control.fer.cdv	0.45	1.0e-01	3.7e-01
FBgn0265193	Atf-2	mRNA	control.fer.ser	0.03	9.7e-01	1.000
FBgn0265193	Atf-2	mRNA	control.fer.slr	0.05	9.0e-01	1.0e+00
FBgn0265193	Atf-2	mRNA	control.ser.cdv	0.45	3.9e-01	8.3e-01
FBgn0265193	Atf-2	mRNA	control.ser.slr	0.03	9.6e-01	1.000
FBgn0265193	Atf-2	mRNA	control.slr.cdv	0.39	1.5e-01	3.7e-01
FBgn0265193	Atf-2	mRNA	fer	-0.12	8.4e-01	9.6e-01
FBgn0265193	Atf-2	mRNA	ser	0.06	9.3e-01	1.0e+00
FBgn0265193	Atf-2	mRNA	slr	0.36	4.1e-01	7.2e-01
FBgn0265193	Atf-2	mRNA	treatment.fer.flr	0.53	4.6e-01	1.0e+00
FBgn0265193	Atf-2	mRNA	treatment.fer.ser	-0.14	8.5e-01	9.9e-01
FBgn0265193	Atf-2	mRNA	treatment.flr.slr	-0.06	9.8e-01	1.0e+00
FBgn0265193	Atf-2	mRNA	treatment.ser.flr	0.39	4.2e-01	1.0e+00
FBgn0265193	Atf-2	mRNA	treatment.ser.slr	0.33	5.3e-01	9.1e-01

# Control genes - differential expression analysis



# Control genes - differential expression analysis

