Outline

RNAseq samples

Control VS treatment

Control Samples along time

Treatment Samples along time

Controls

Treatment

Control genes

ATACseq - mapping stats

Outline

RNAseq samples

Control VS treatment

Control Samples along time

Treatment Samples along time

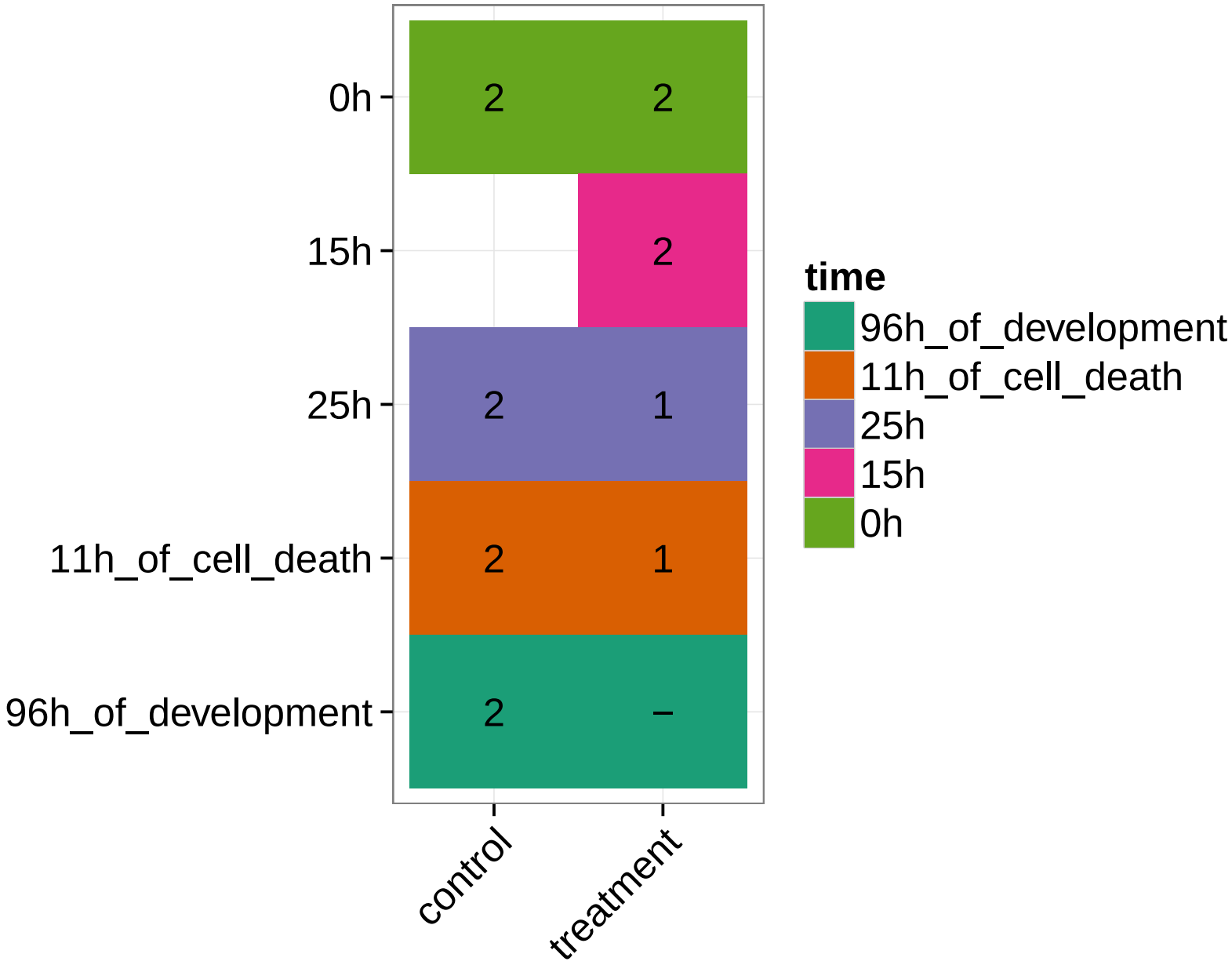
Controls

Treatment

Control genes

ATACseq - mapping stats

RNAseq samples



Outline

RNAseq samples

Control VS treatment

Control Samples along time

Treatment Samples along time

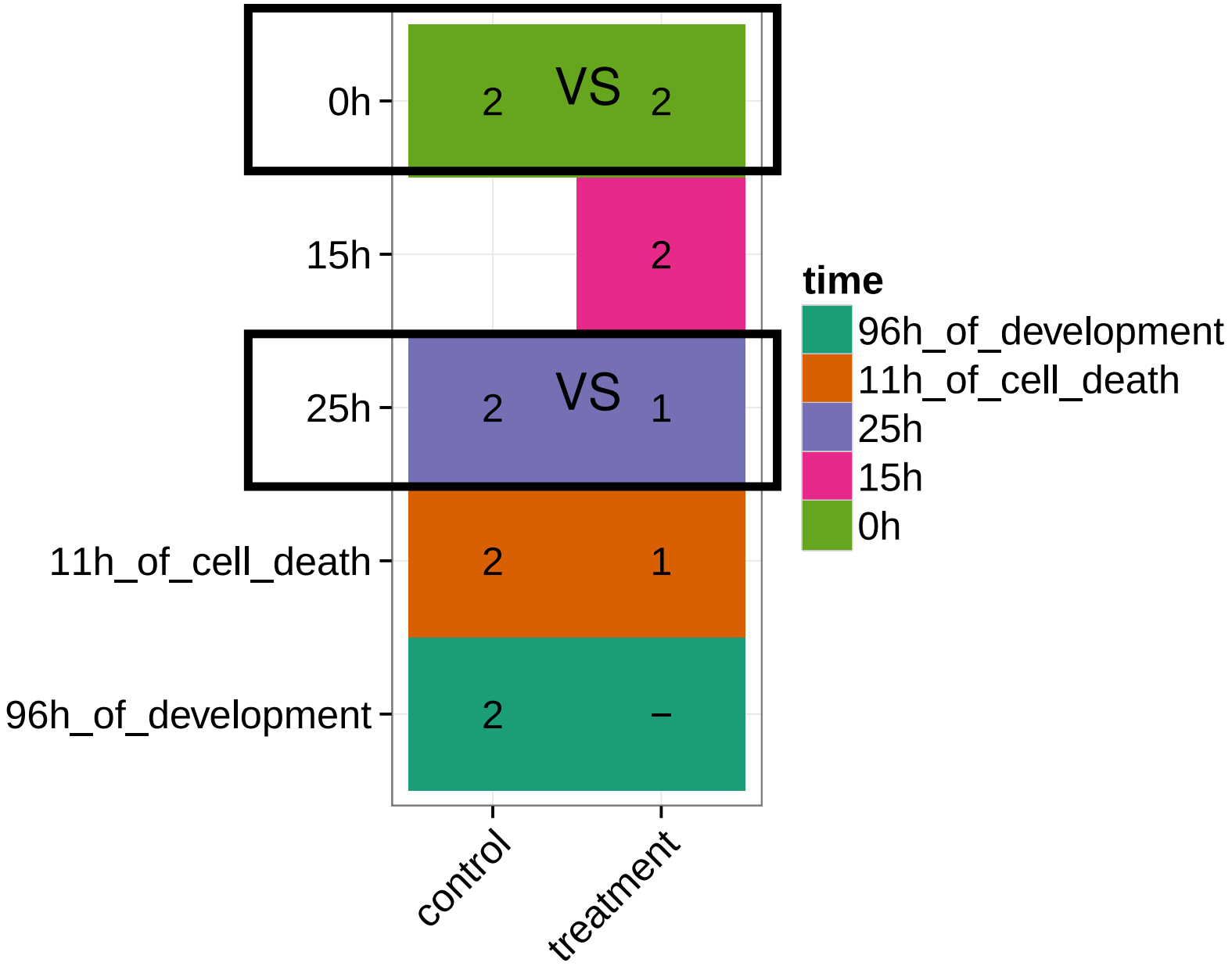
Controls

Treatment

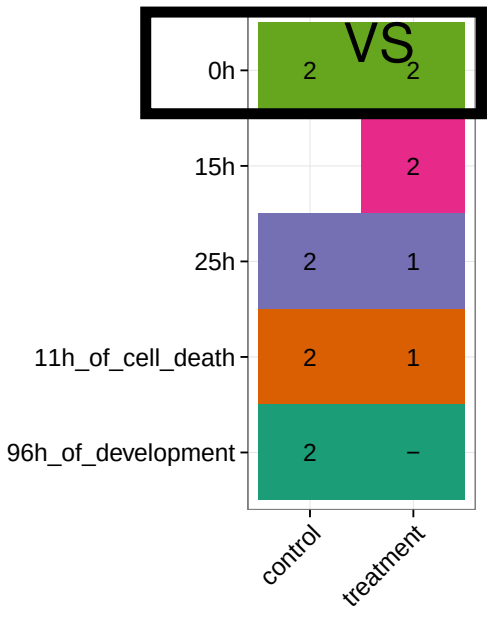
Control genes

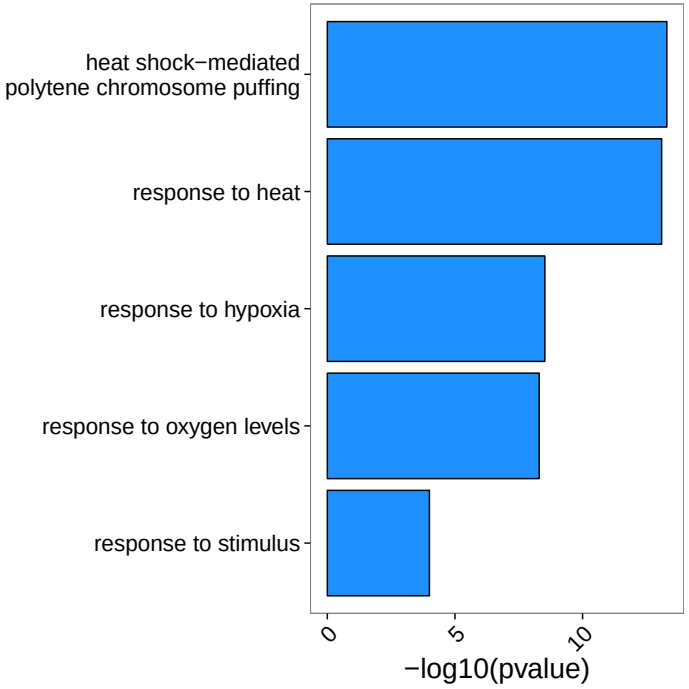
ATACseq - mapping stats

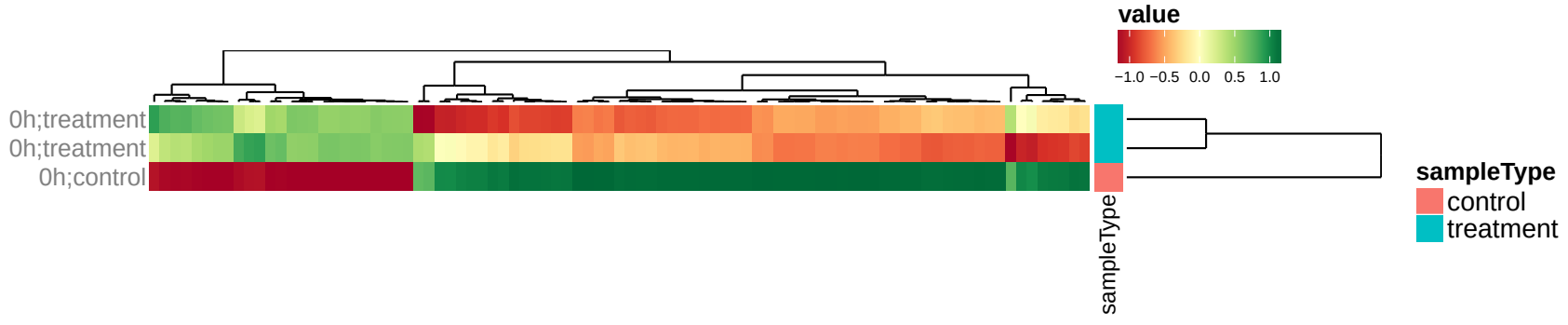
DEG - control VS treatment (EdgeR, FDR¡0.01)



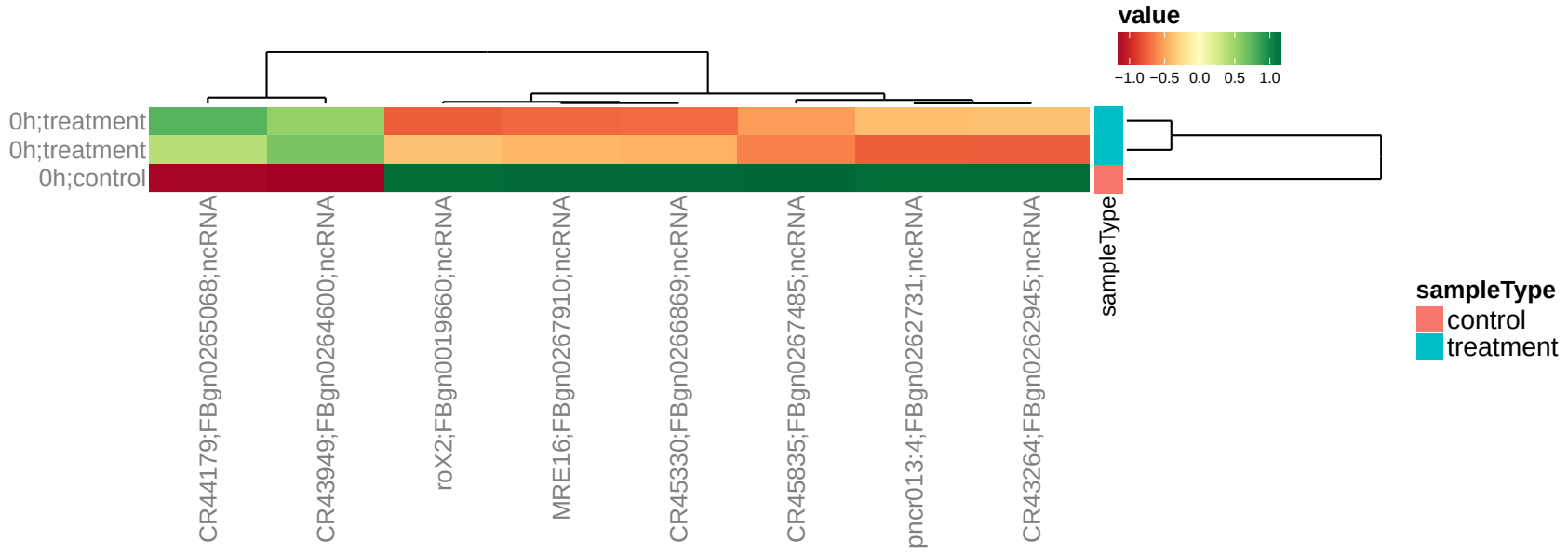
DEG - control VS treatment **0h** - 89 genes



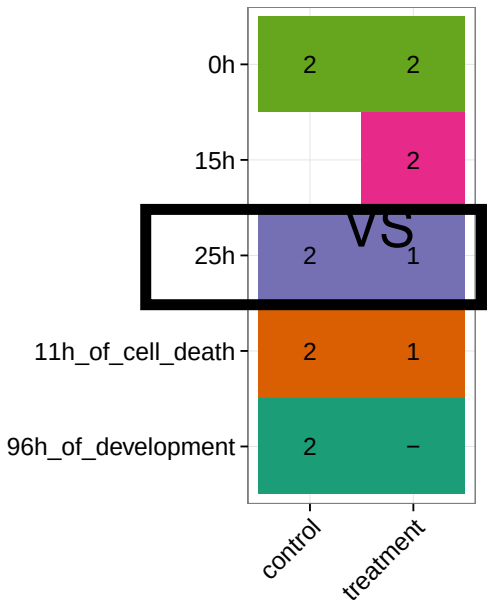


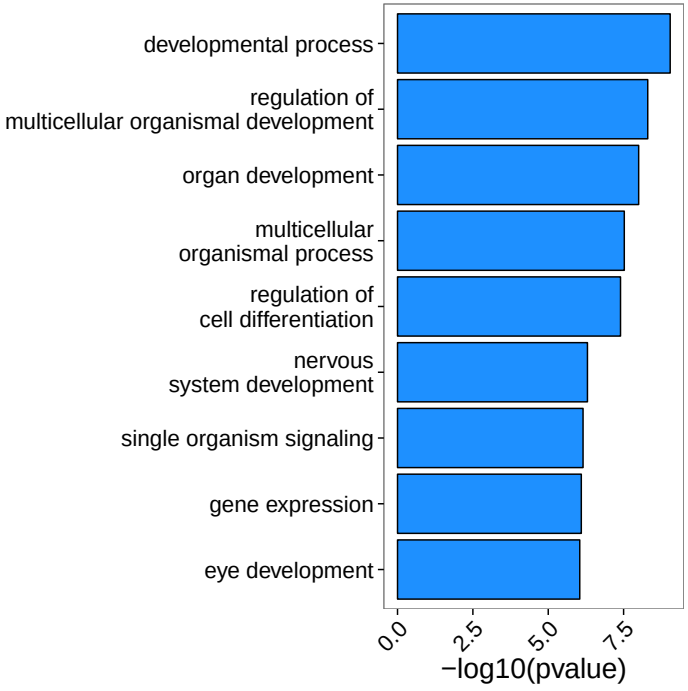


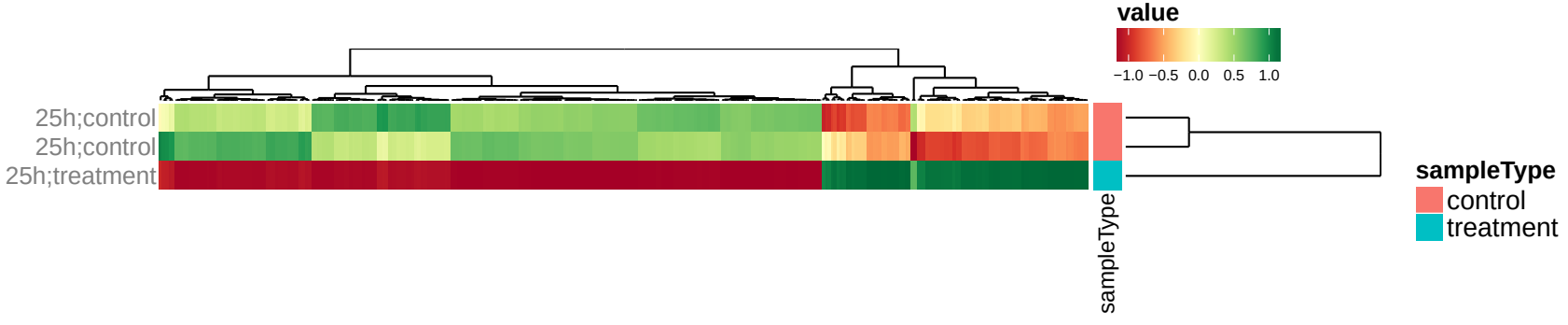
DEG - control VS treatment **0h** - ncRNA



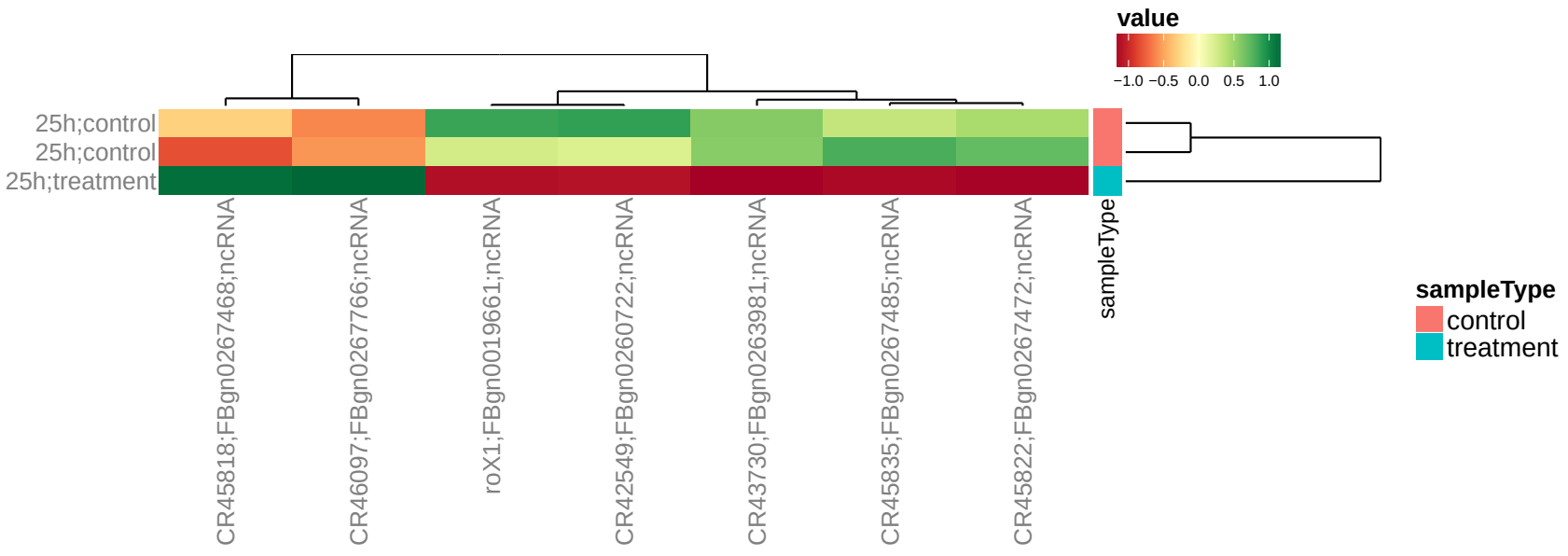
DEG - control VS treatment **25h** - 313 genes



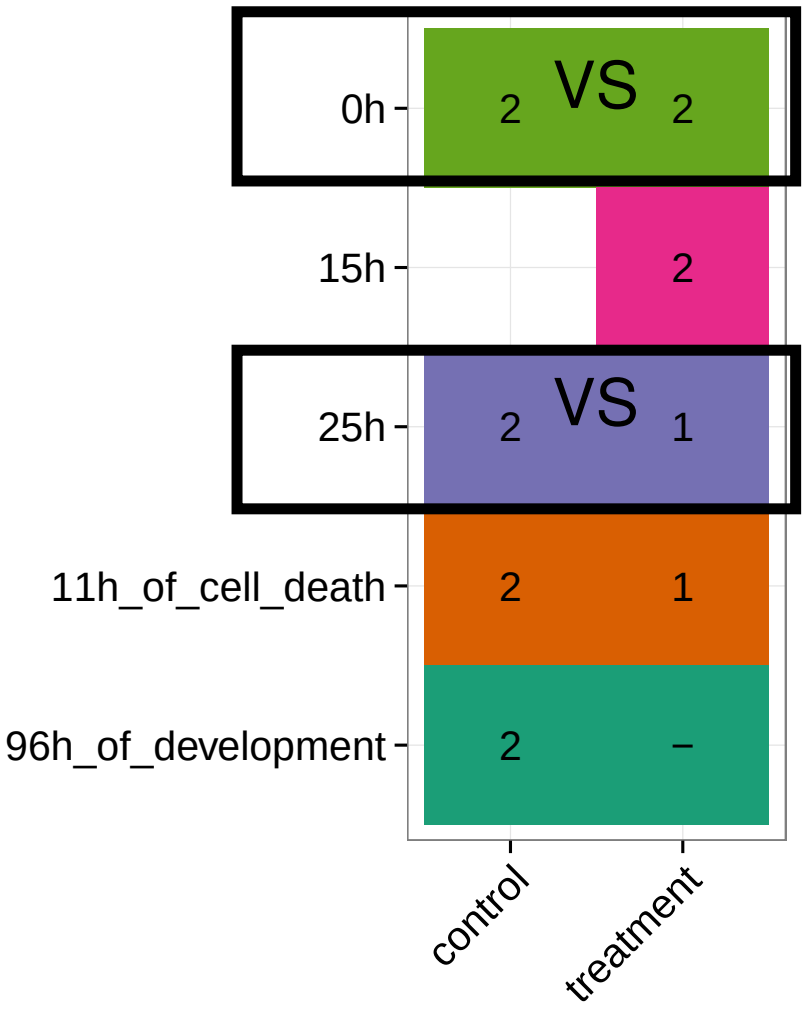




DEG - control VS treatment **25h** - ncRNA



DEG - control VS treatment



Outline

RNAseq samples

Control VS treatment

Control Samples along time

Treatment Samples along time

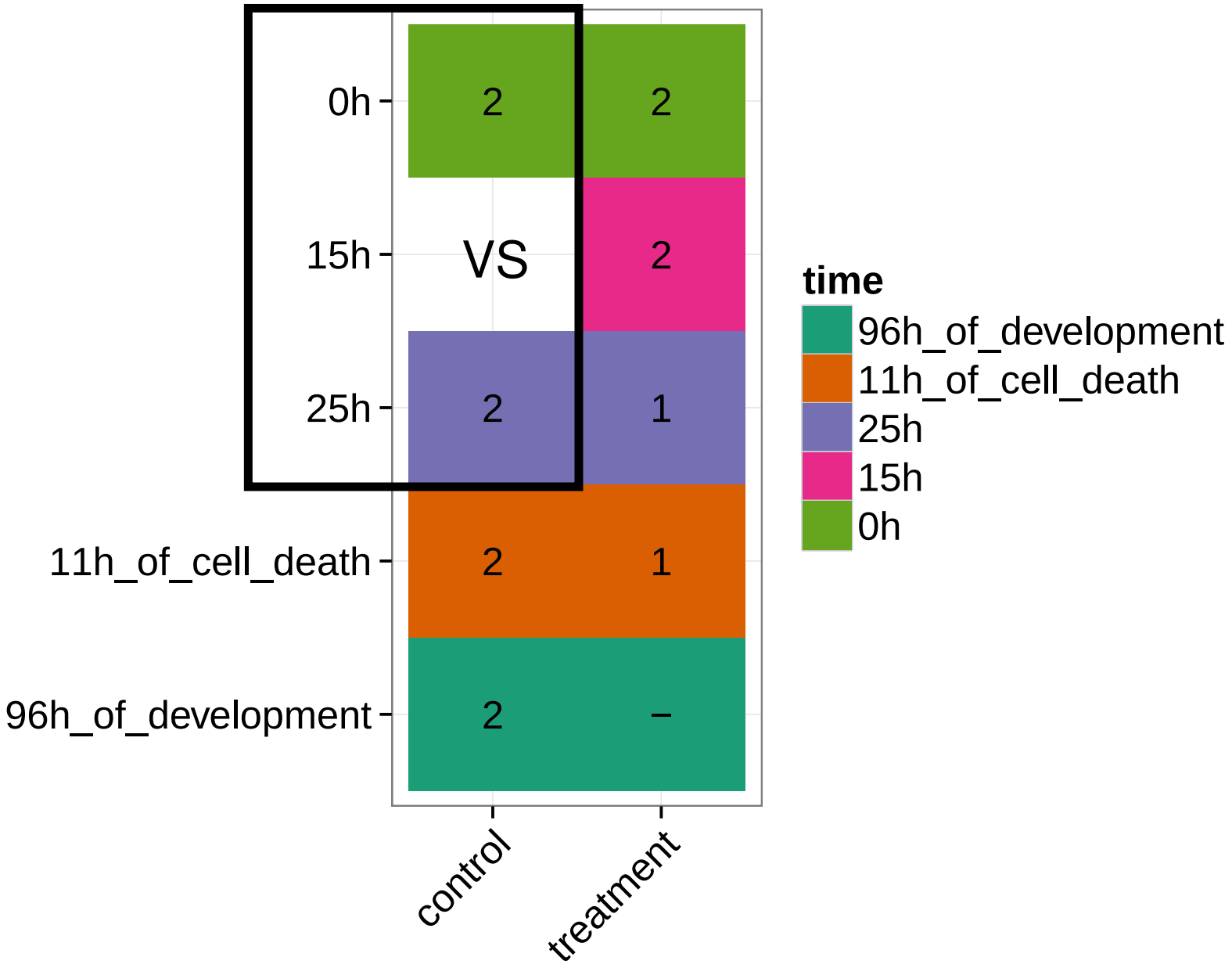
Controls

Treatment

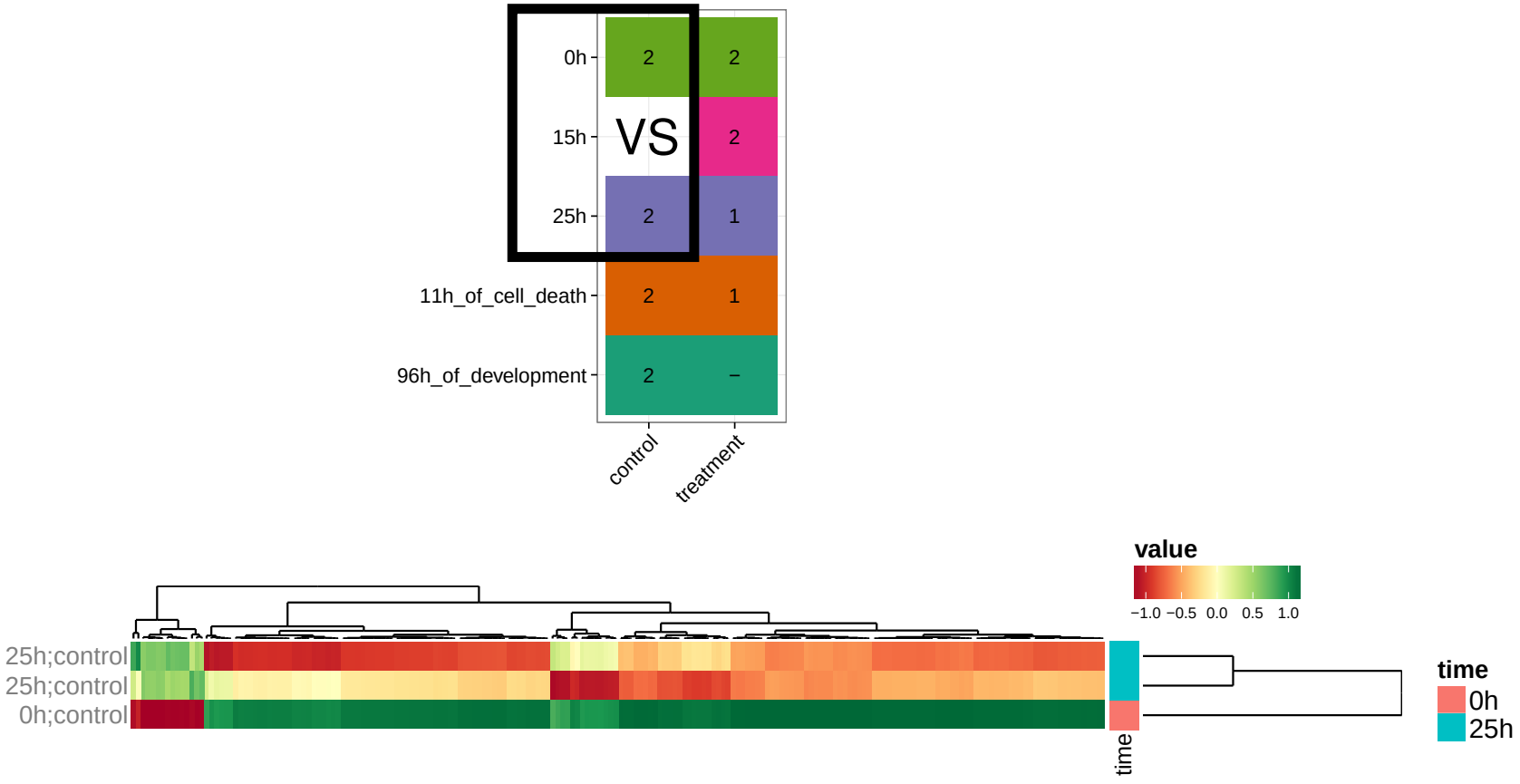
Control genes

ATACseq - mapping stats

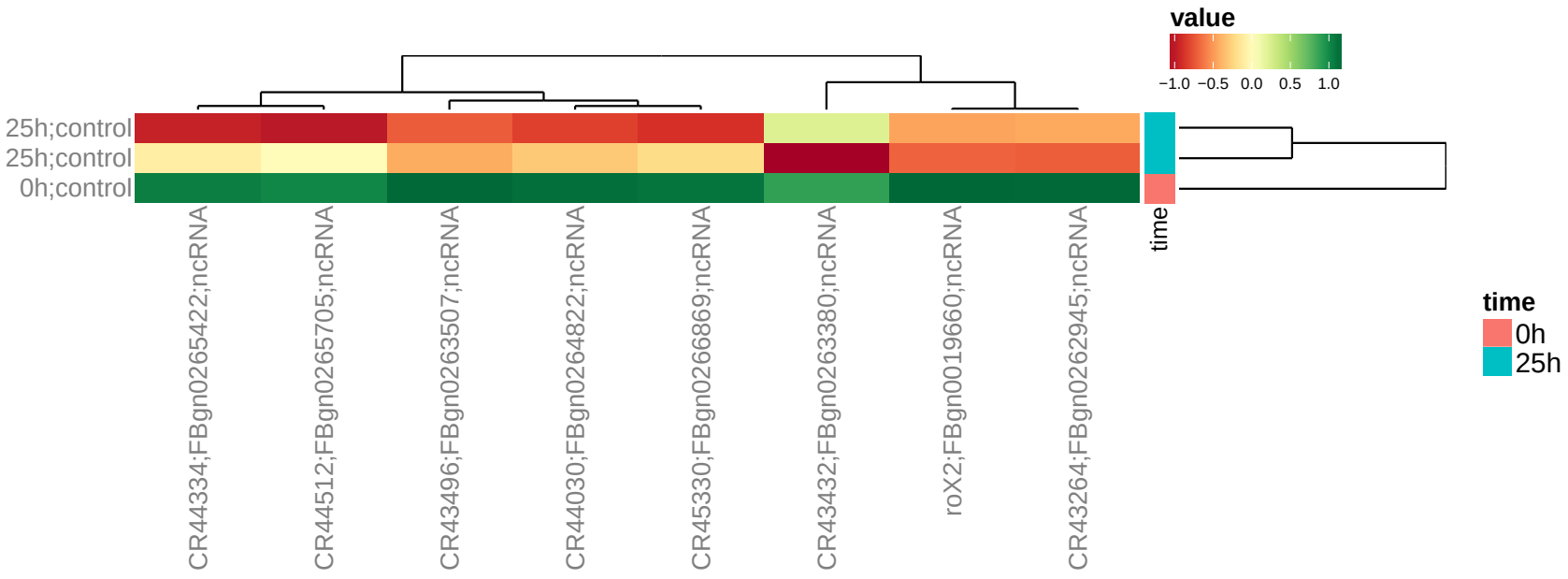
DEG - control samples along time



DEG - **control 0h** VS **control 25h** - 200 genes



DEG - **control 0h** VS **control 25h** - ncRNA



Outline

RNAseq samples

Control VS treatment

Control Samples along time

Treatment Samples along time

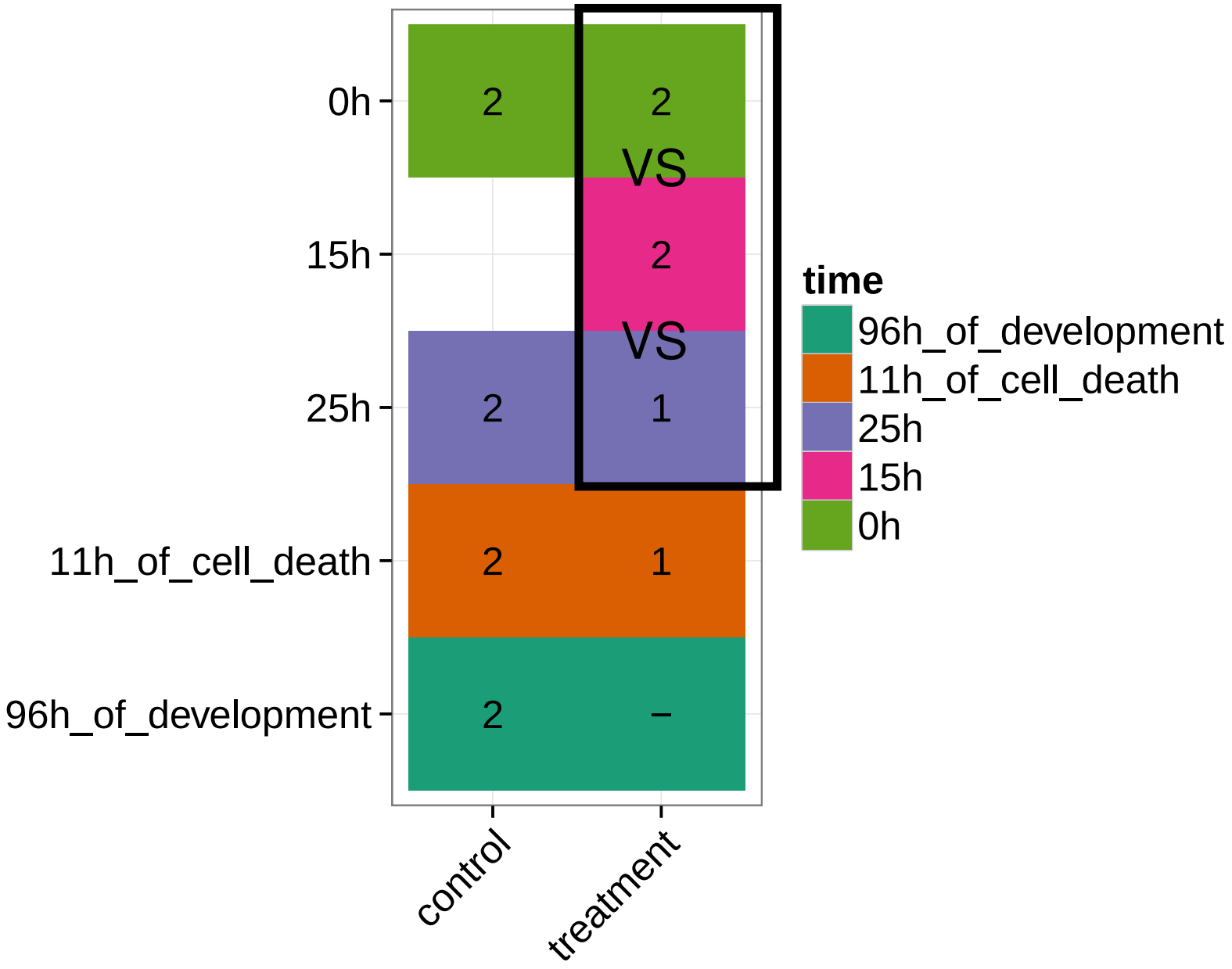
Controls

Treatment

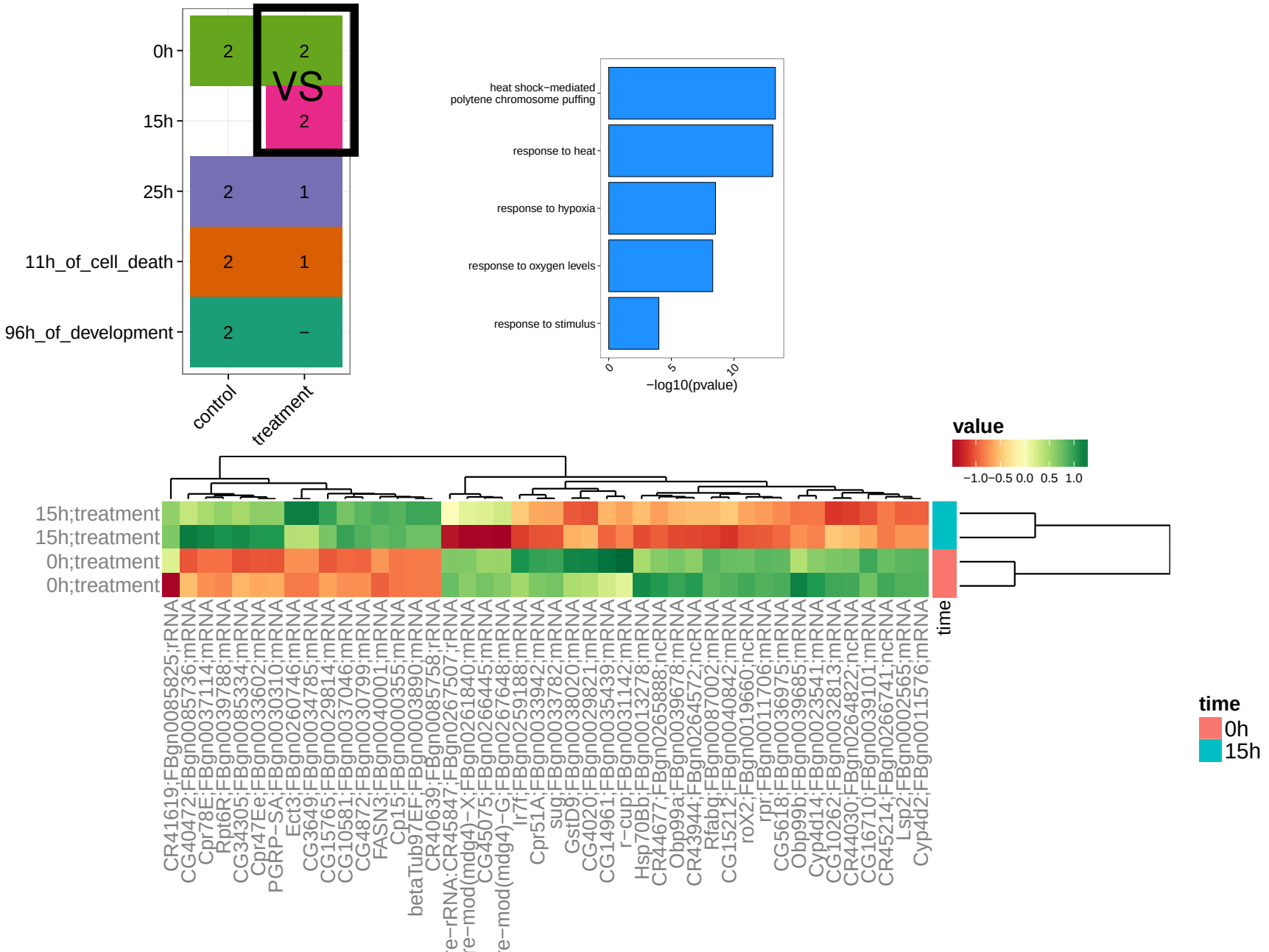
Control genes

ATACseq - mapping stats

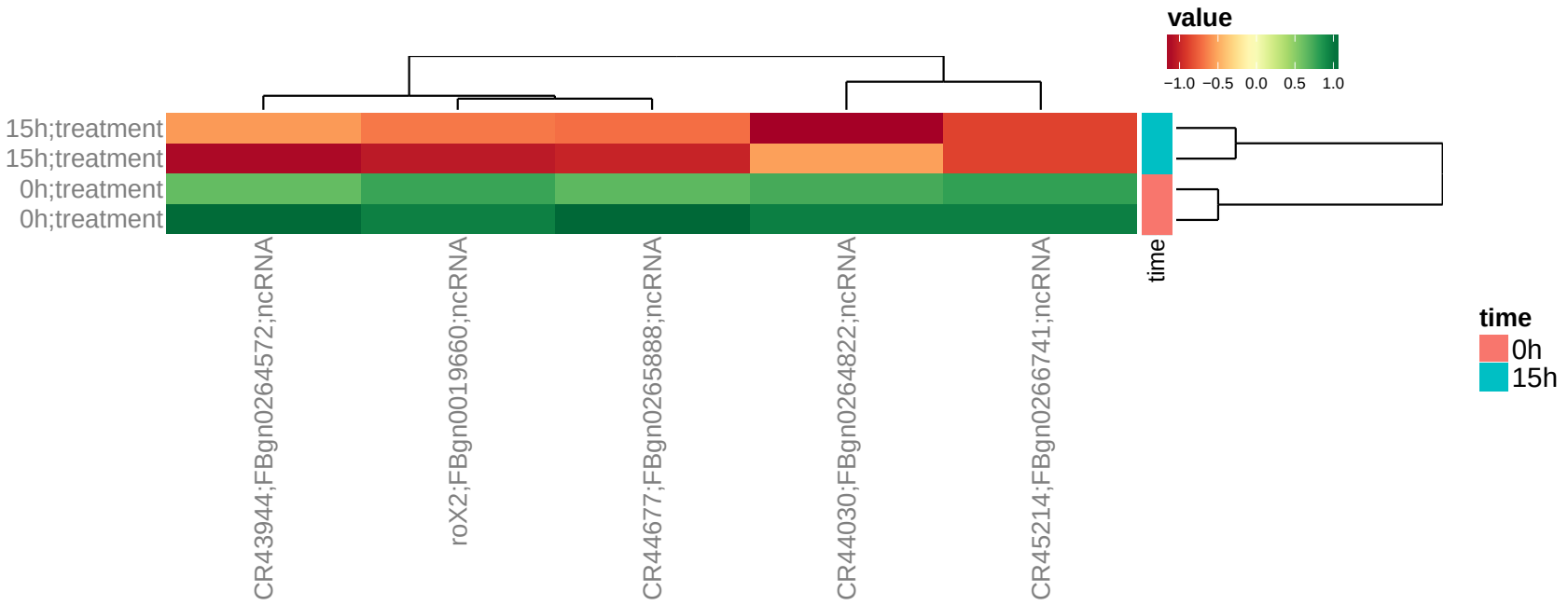
DEG - treatment samples along time



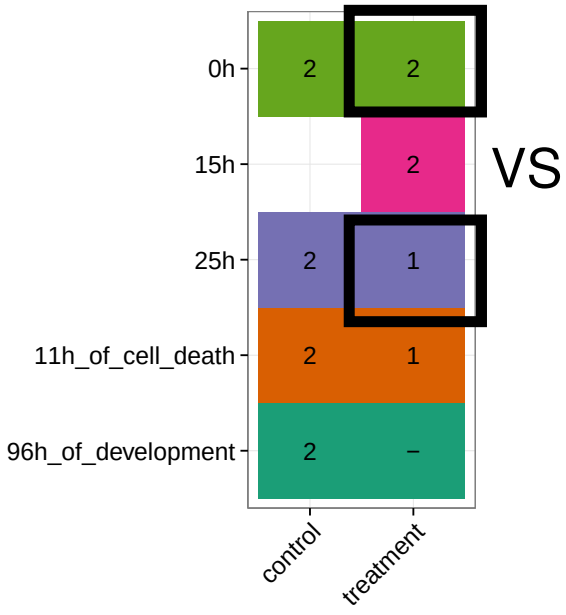
DEG - treatment **0h** VS **15h** - 44 genes

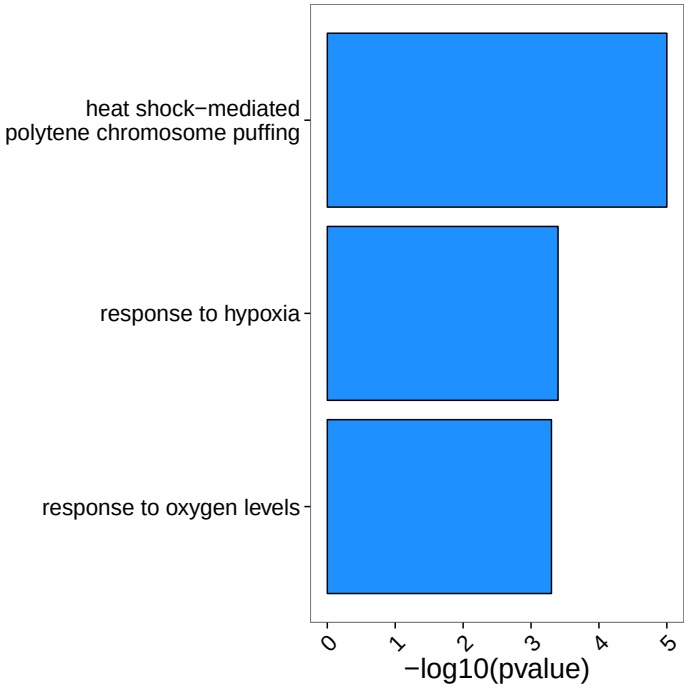


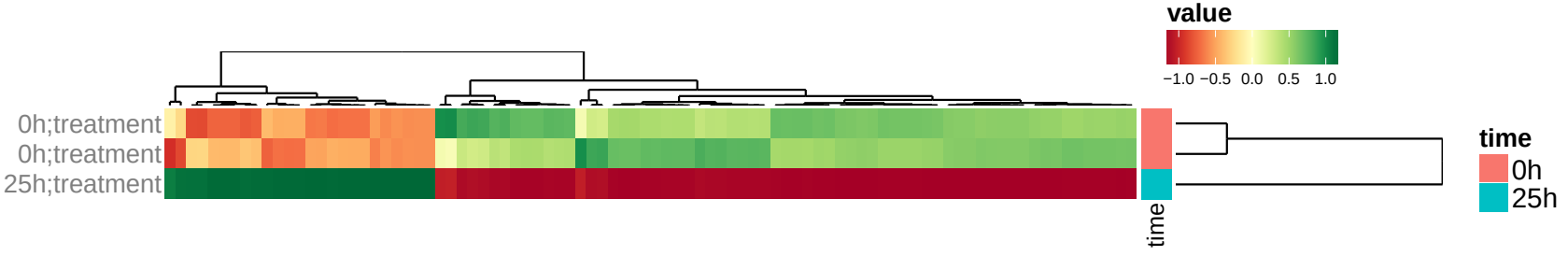
DEG - treatment **0h** VS **15h** - ncRNA



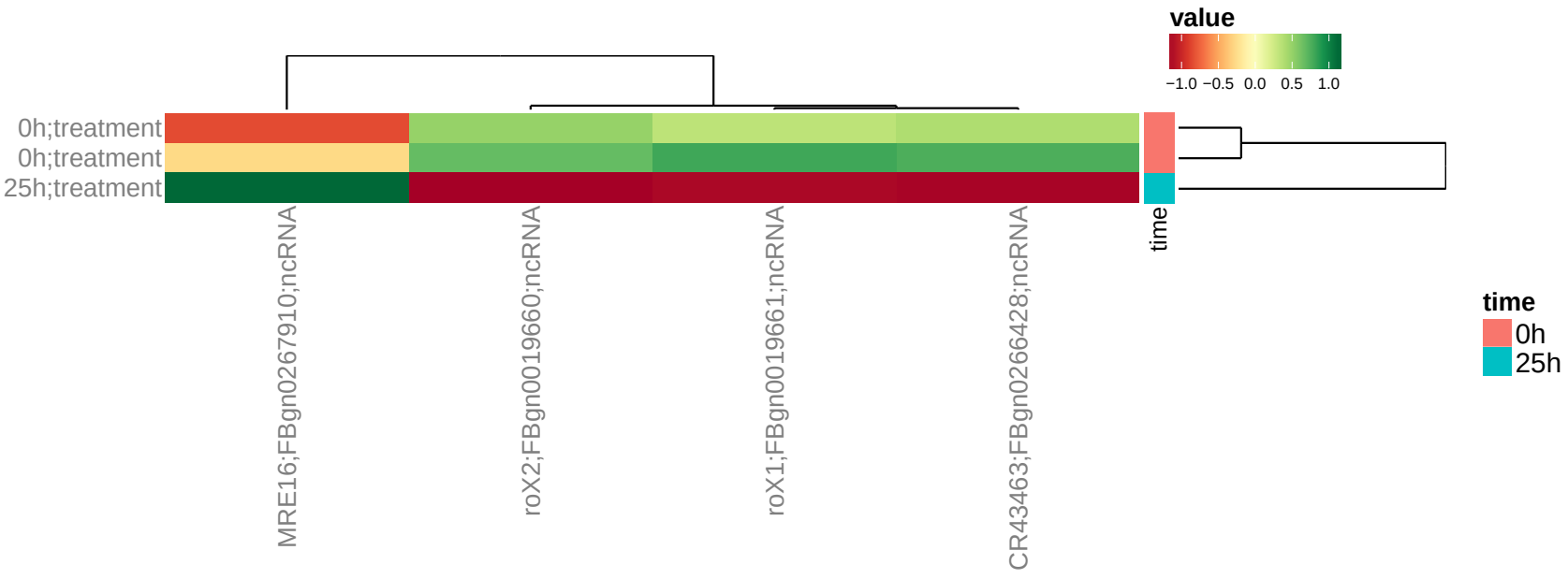
DEG - treatment **0h** VS **25h** - 90 genes



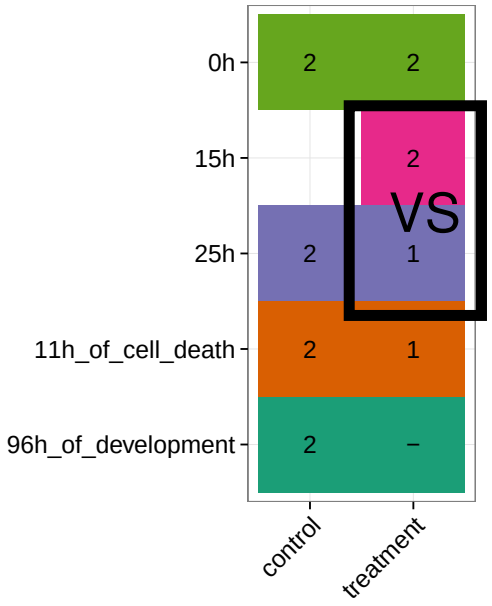


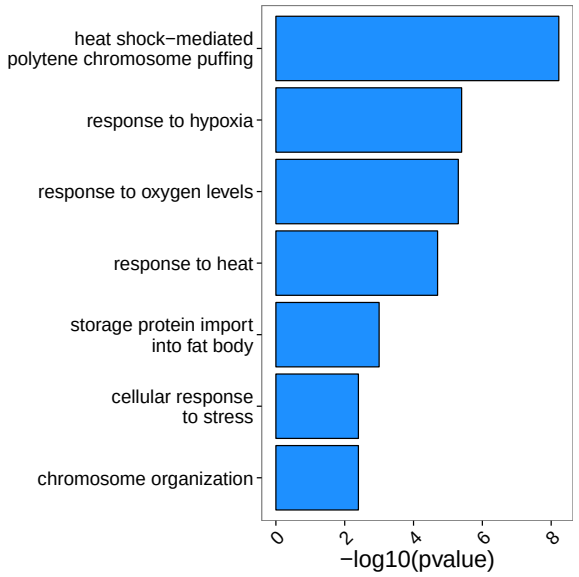


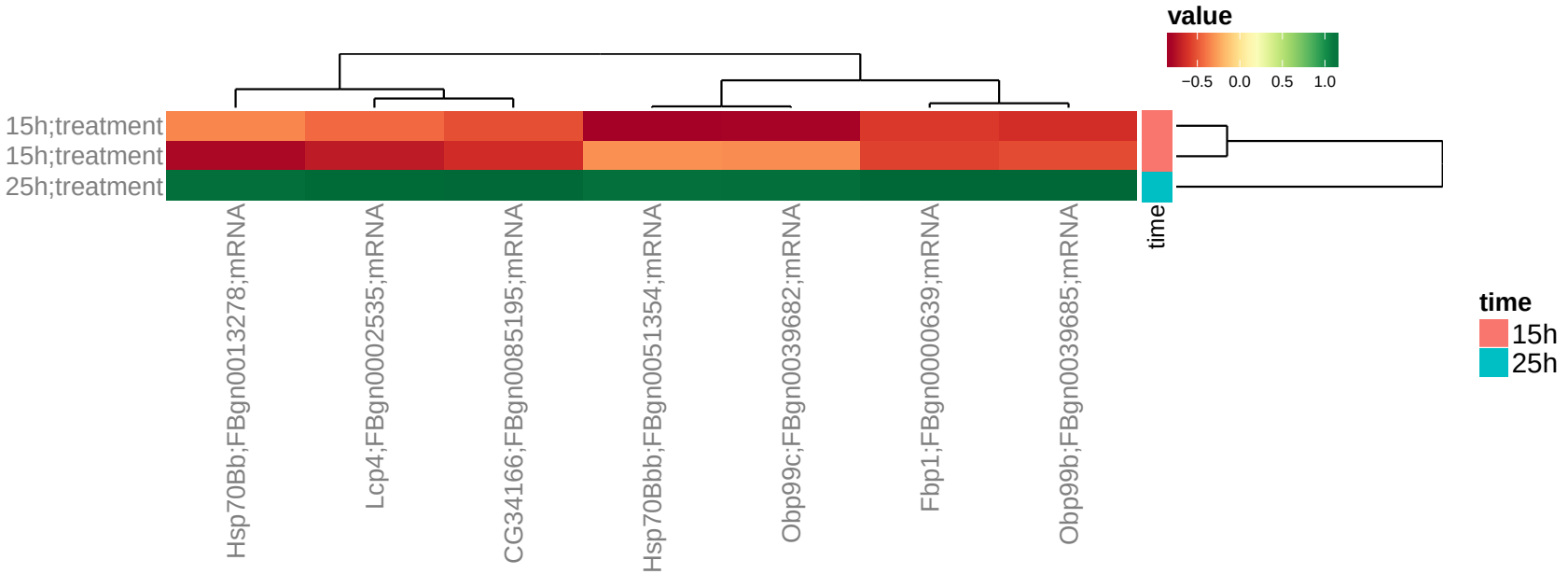
DEG - treatment **0h** VS **25h** - ncRNA



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



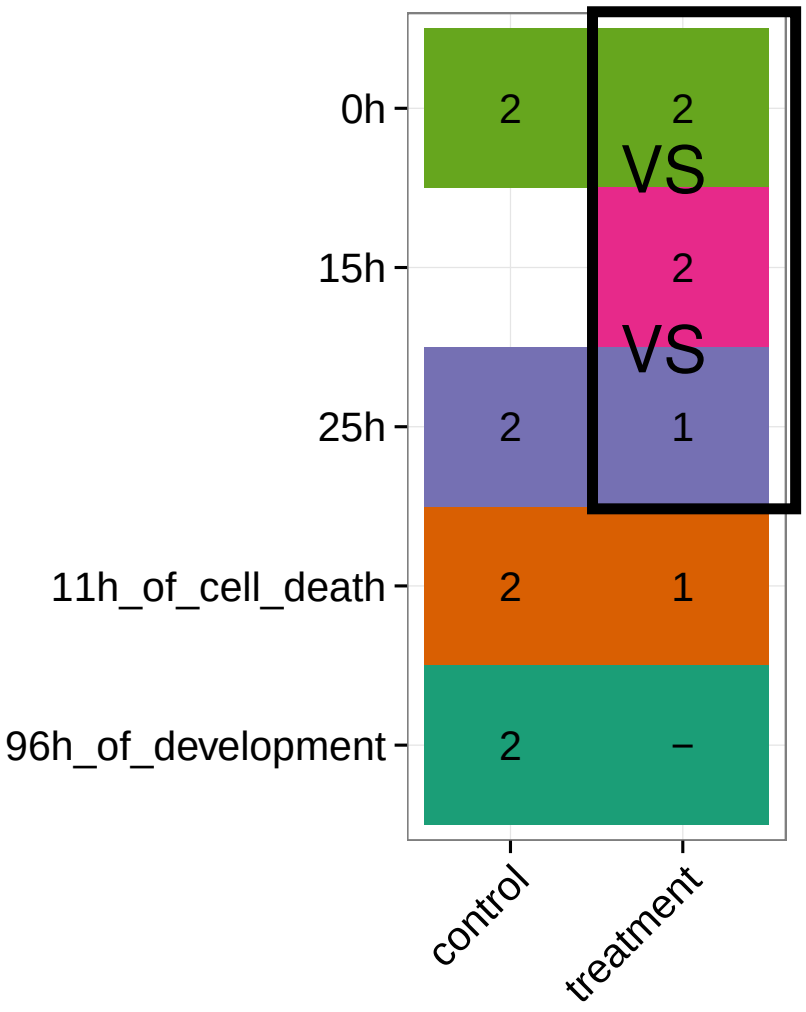




DEG - treatment **15h** VS **25h** - ncRNA

Not found

DEG - treatment samples along time



Outline

RNAseq samples

Control VS treatment

Control Samples along time

Treatment Samples along time

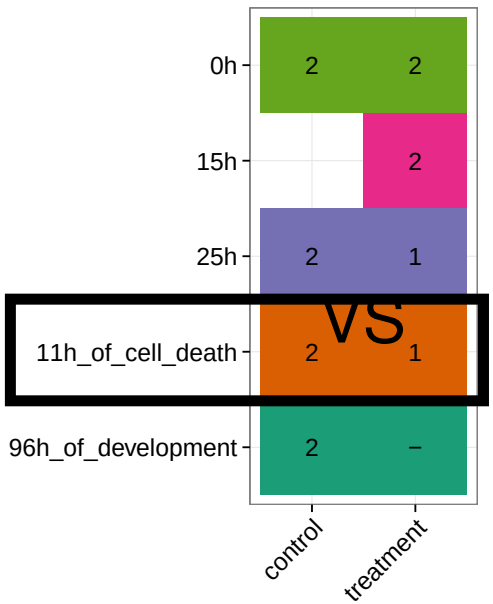
Controls

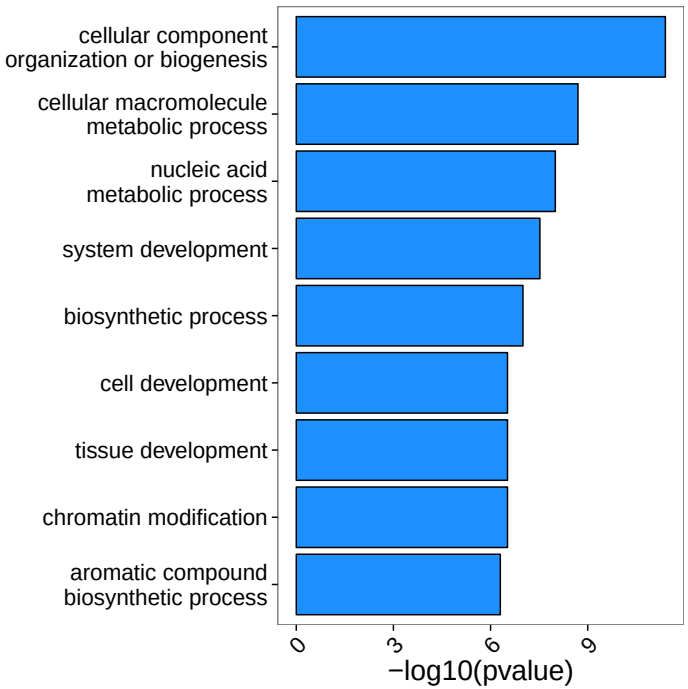
Treatment

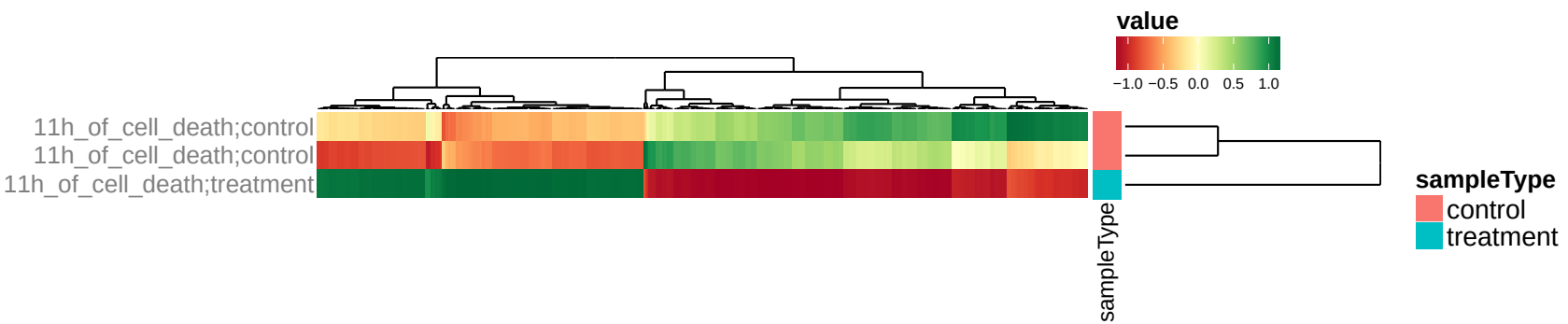
Control genes

ATACseq - mapping stats

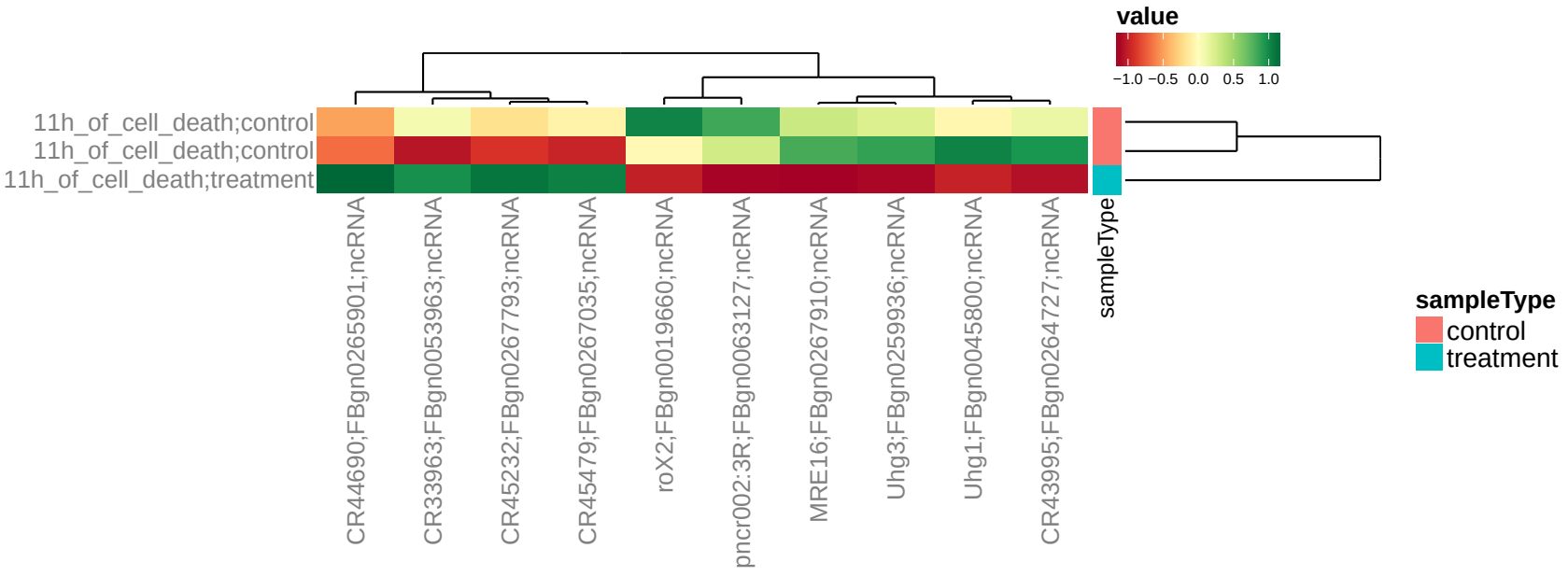
DEG - **control** VS **treatment** 11h of cell death - 463 genes



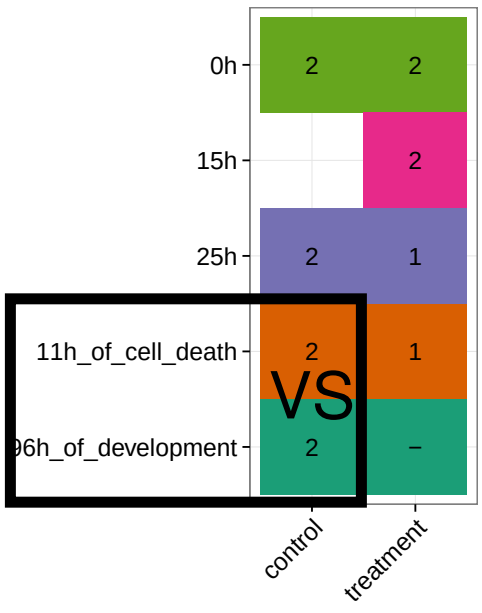


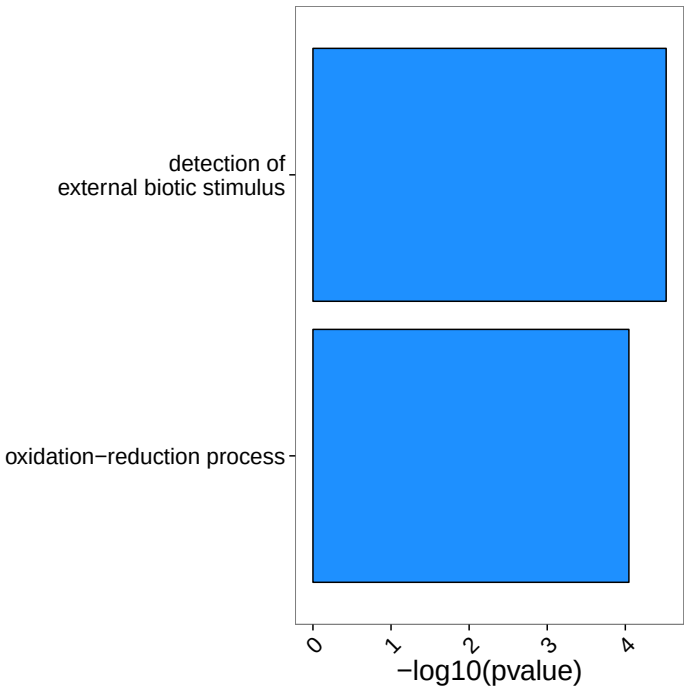


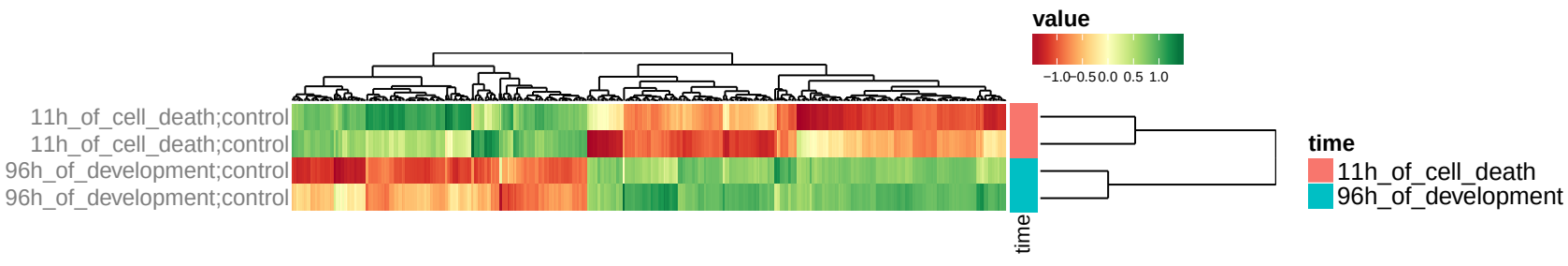
DEG - **control** VS **treatment** 11h of cell death - ncRNA



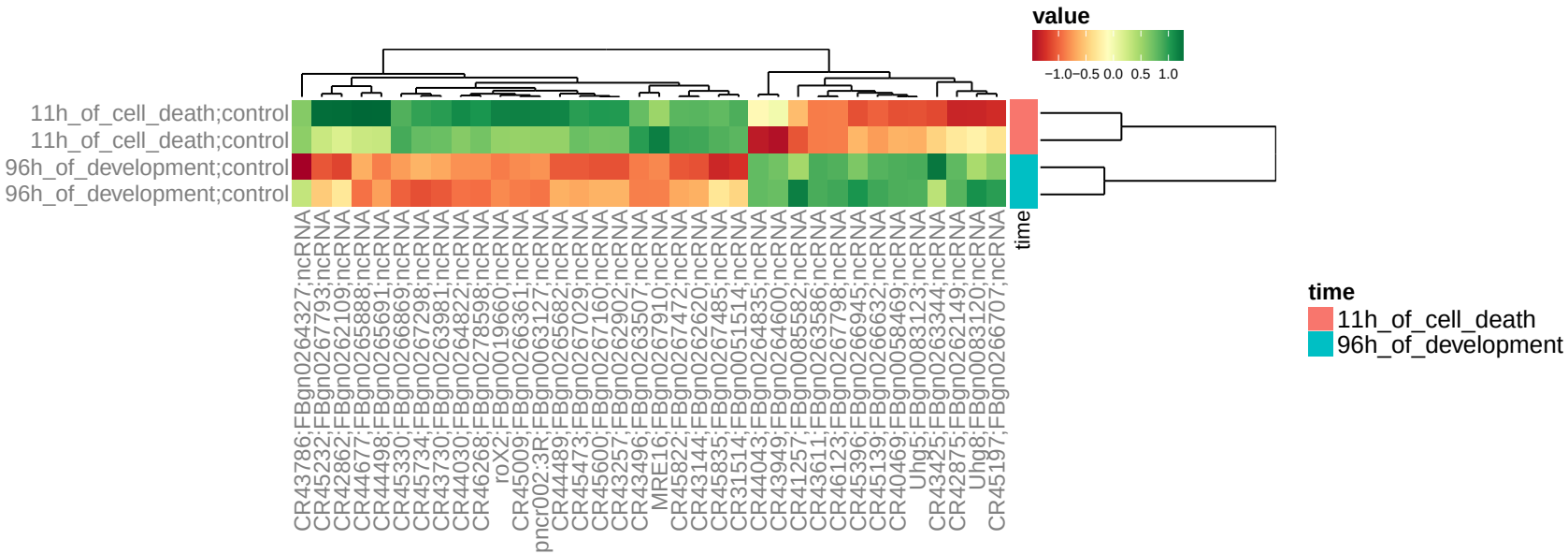
DEG - control 11h of cell death VS 96h of development - 494 genes



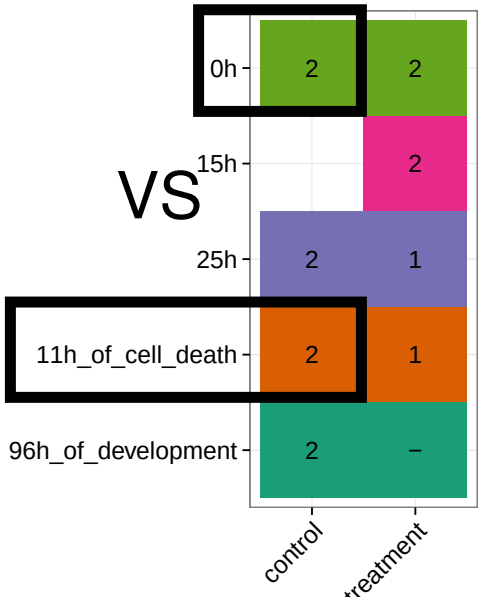


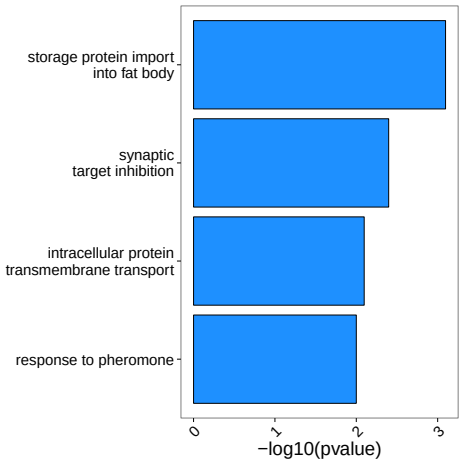


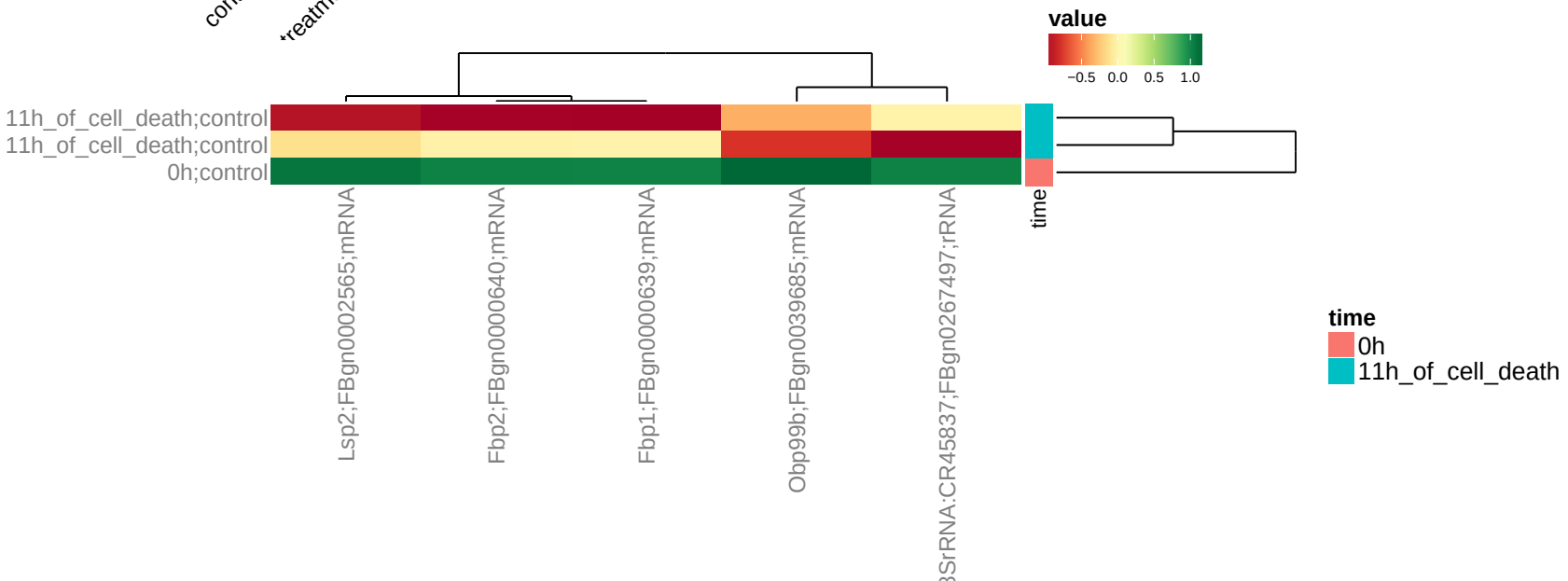
DEG - control 11h of cell death VS 96h of development - ncRNA



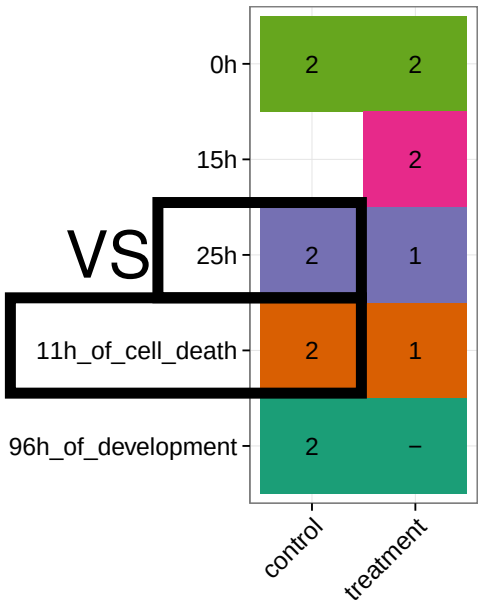
DEG - control **11h of cell death** VS control **0h** - 5 genes

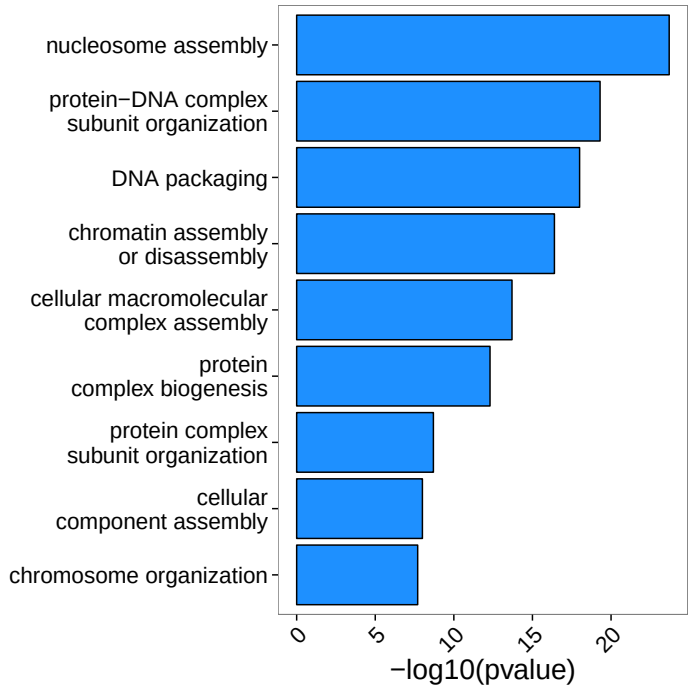


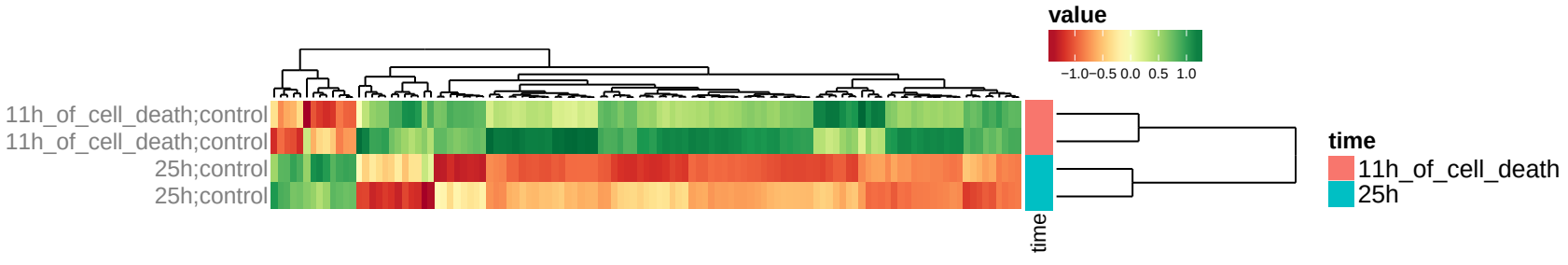




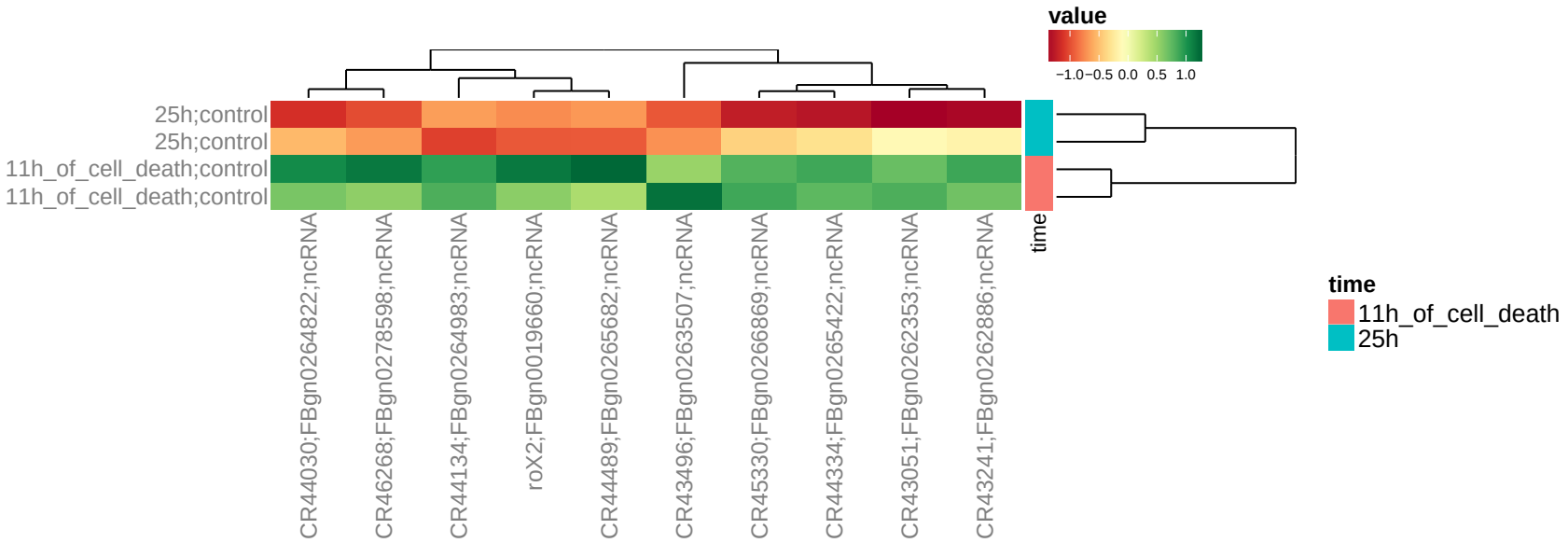
DEG - control **11h of cell death** VS control **25h** - 116 genes



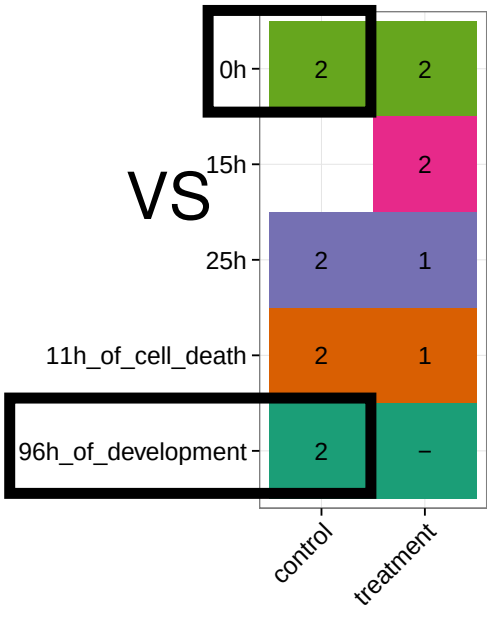


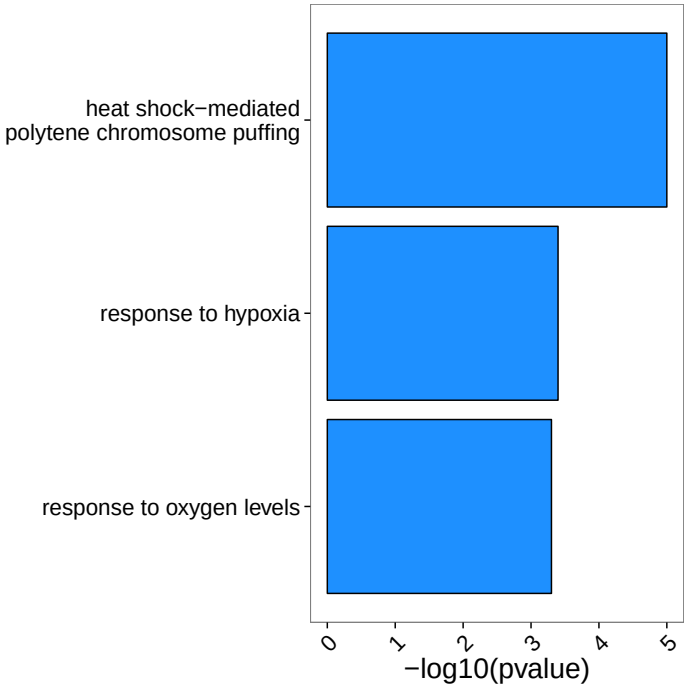


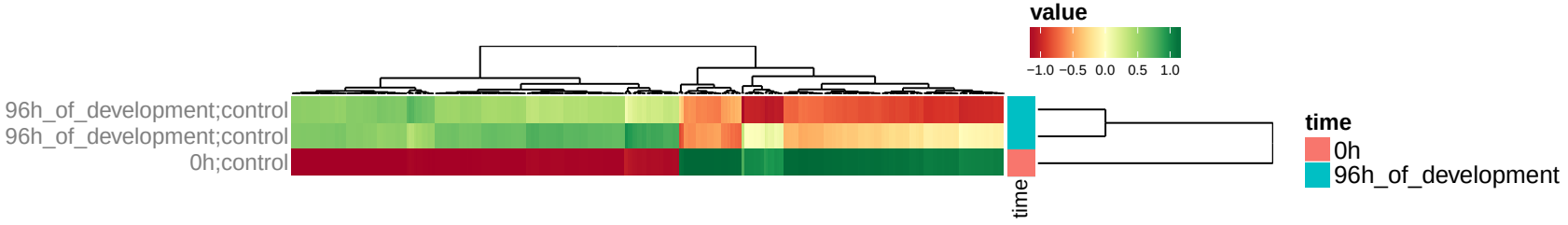
DEG - control **11h of cell death** VS control **25h** - ncRNA



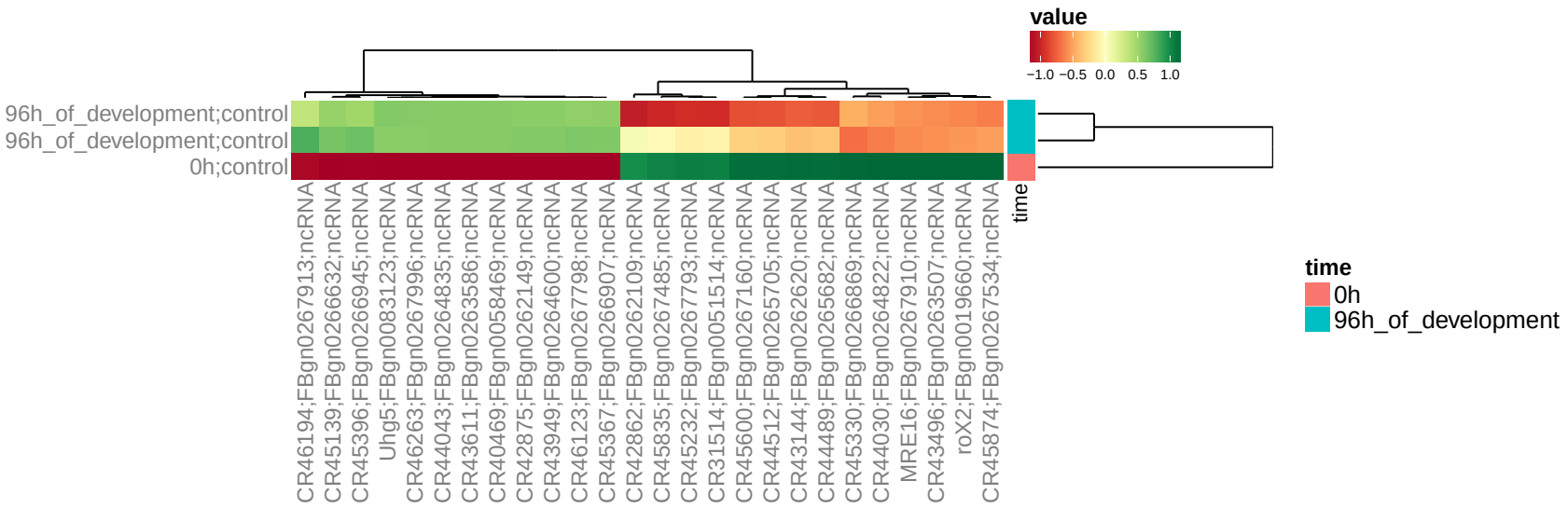
DEG - control **96h of development** VS control **0h** - 46 genes



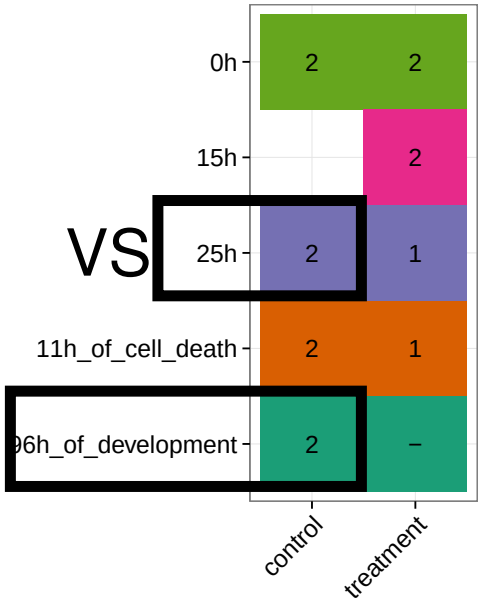


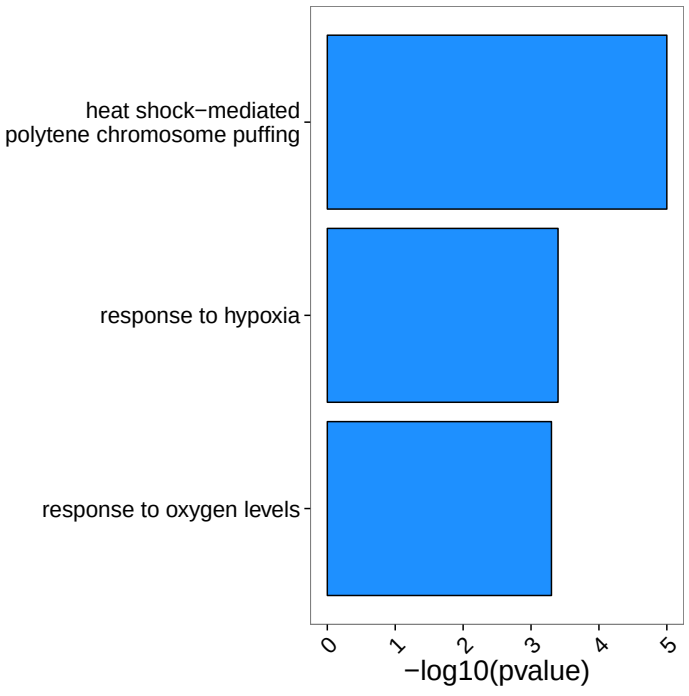


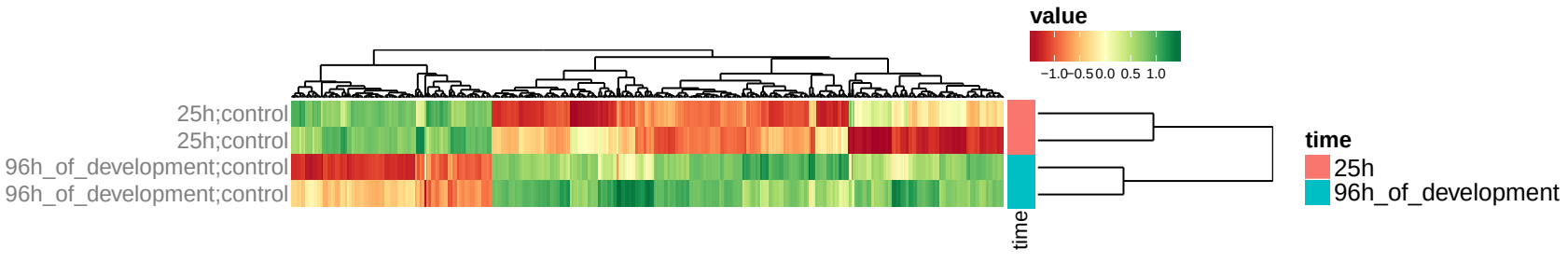
DEG - control **96h of development** VS control **0h** - 46 genes



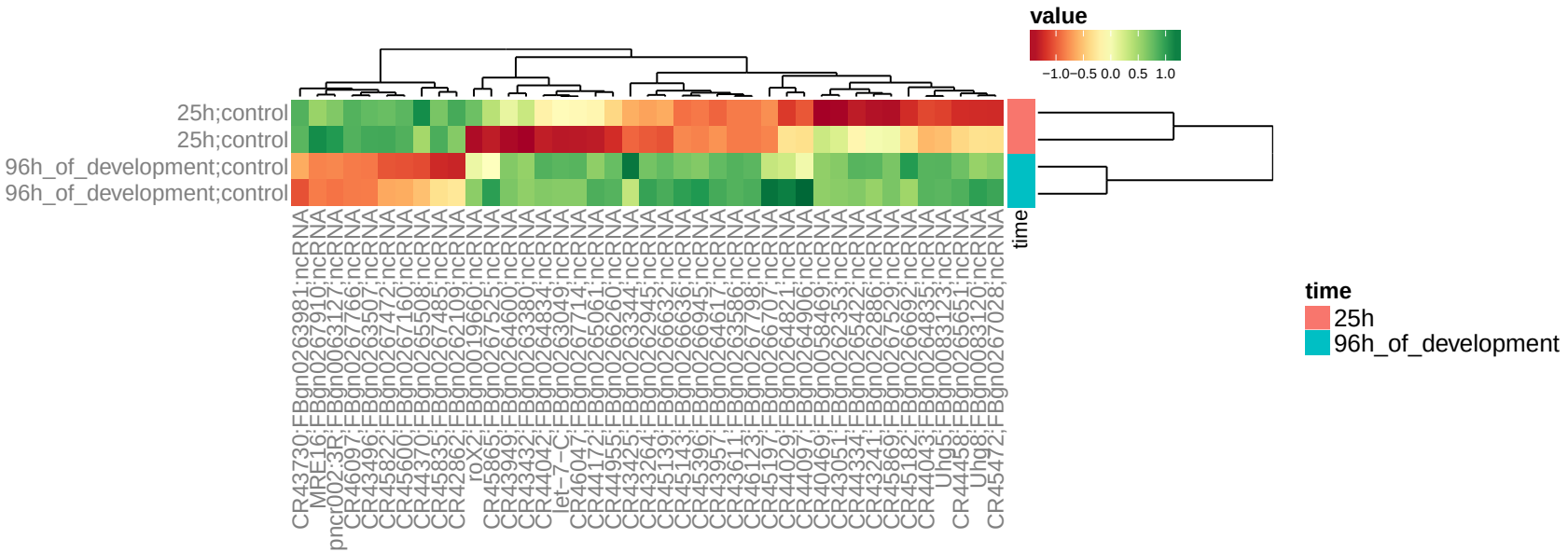
DEG - control **96h of development** VS control **25h** - 501 genes







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



Outline

RNAseq samples

Control VS treatment

Control Samples along time

Treatment Samples along time

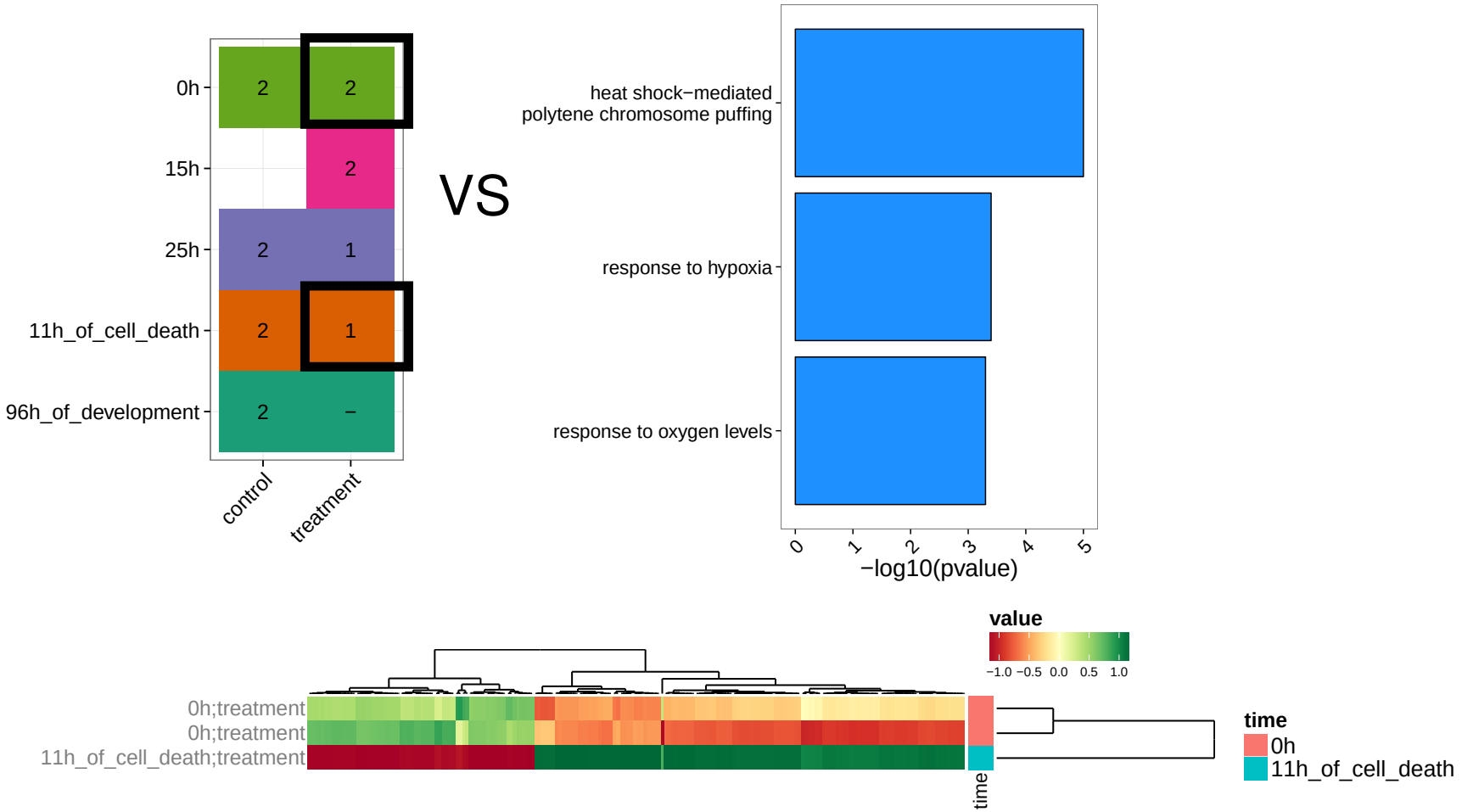
Controls

Treatment

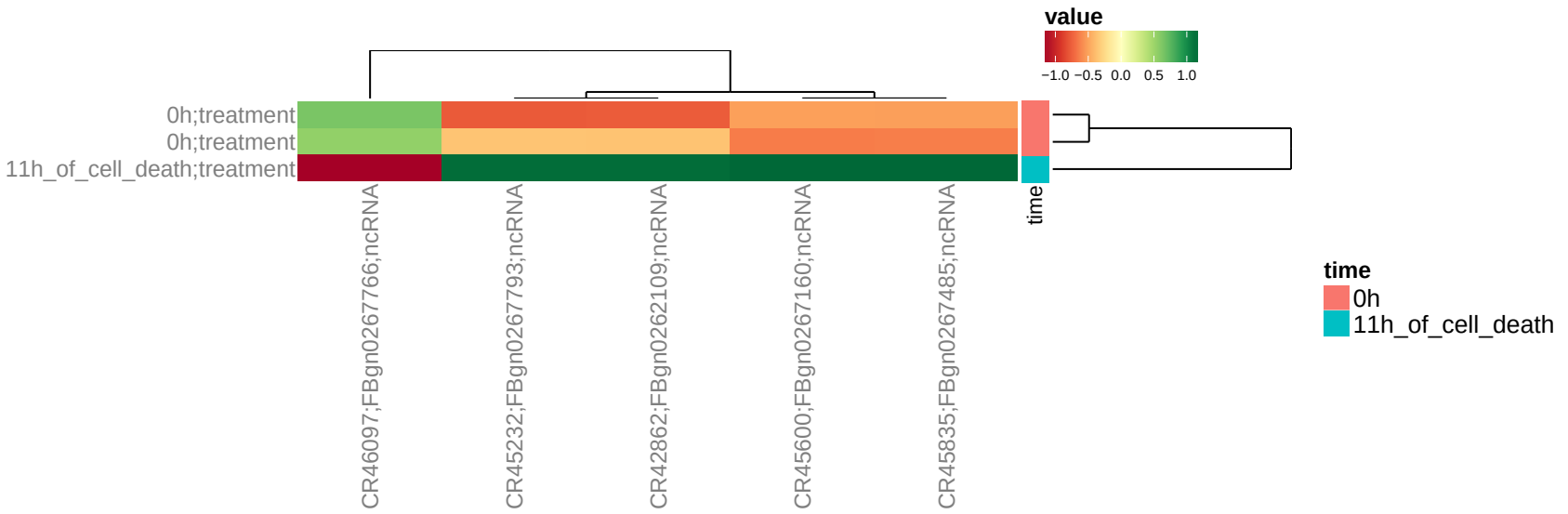
Control genes

ATACseq - mapping stats

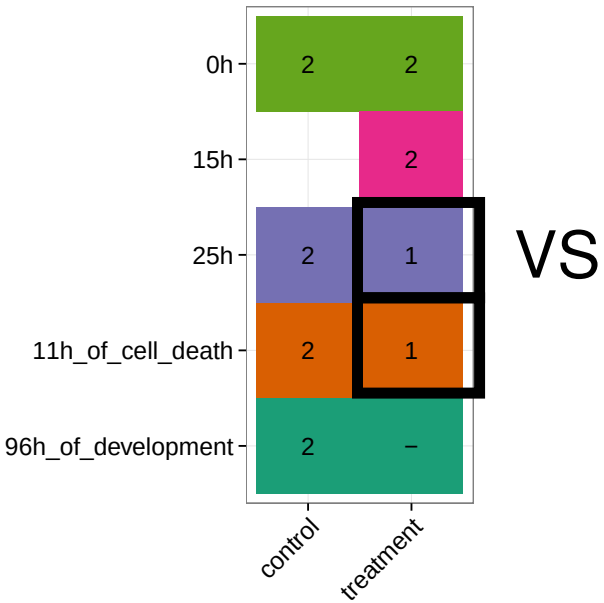
DEG - treatment **11h of cell death** VS treatment **0h** - 192 genes



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

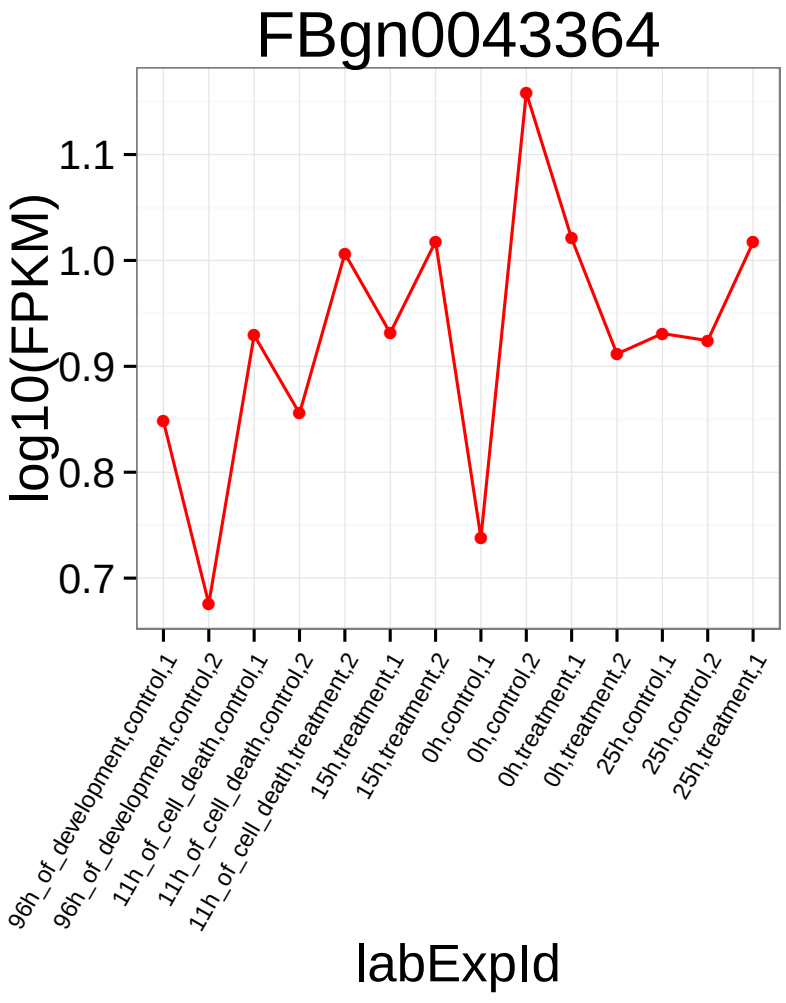


DEG - treatment **11h of cell death** VS treatment **25h**



Not enough samples

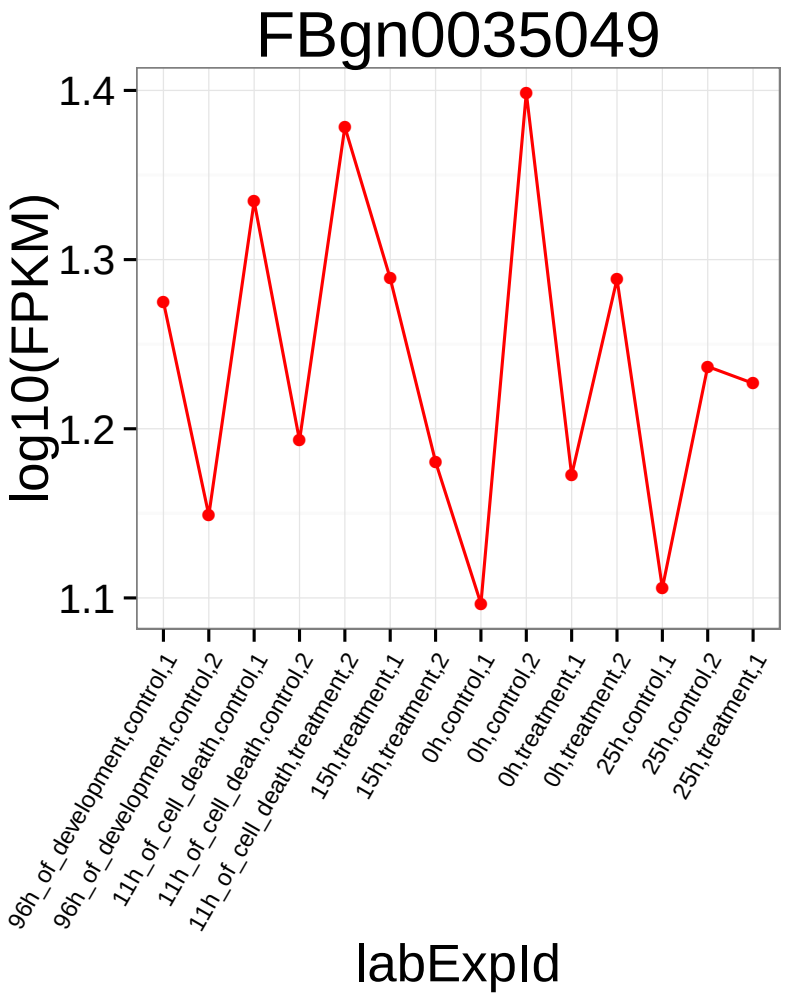
Control genes - differential expression analysis



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	5.0e-01
FBgn0043364	cbt	mRNA	control.fer.ser	0.36	3.5e-01	1.0e+00
FBgn0043364	cbt	mRNA	control.fer.slr	-0.25	3.8e-01	9.3e-01
FBgn0043364	cbt	mRNA	control.ser.cdv	0.02	9.8e-01	1.0e+00
FBgn0043364	cbt	mRNA	control.ser.slr	0.11	8.0e-01	9.7e-01
FBgn0043364	cbt	mRNA	control.slr.cdv	-0.1	6.9e-01	8.5e-01
FBgn0043364	cbt	mRNA	fer	-0.08	8.3e-01	9.6e-01
FBgn0043364	cbt	mRNA	ser	0.28	5.8e-01	1.0e+00
FBgn0043364	cbt	mRNA	slr	0.19	5.8e-01	8.4e-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

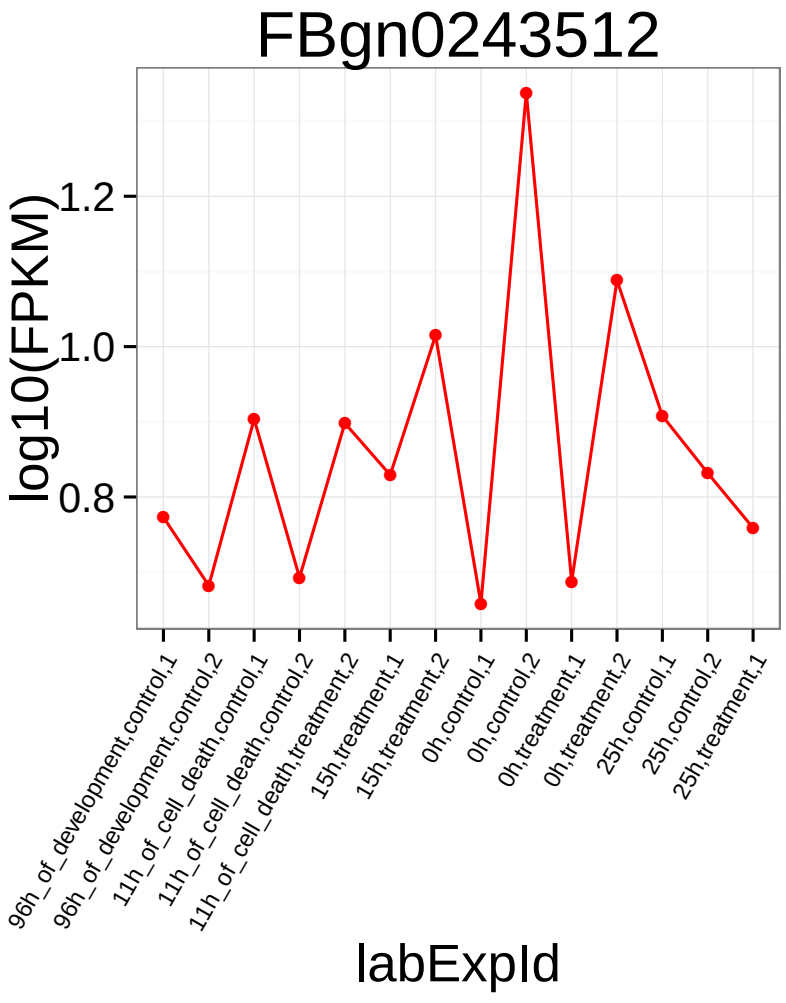
Control genes - differential expression analysis



Control genes - differential expression analysis

gene id	gene name	gene type	DEG	logFC	PValue	FDR
FBgn0035049	Mmp1	mRNA	control.fer.cdv	-0.1	6.2e-01	8.6e-01
FBgn0035049	Mmp1	mRNA	control.fer.ser	0.45	1.7e-01	1.0e+00
FBgn0035049	Mmp1	mRNA	control.fer.slr	-0.62	1.2e-02	1.9e-01
FBgn0035049	Mmp1	mRNA	control.ser.cdv	0.34	1.1e-01	3.8e-01
FBgn0035049	Mmp1	mRNA	control.ser.slr	-0.18	5.1e-01	8.8e-01
FBgn0035049	Mmp1	mRNA	control.slr.cdv	0.5	8.5e-03	5.6e-02
FBgn0035049	Mmp1	mRNA	fer	-0.1	7.4e-01	9.2e-01
FBgn0035049	Mmp1	mRNA	ser	0.03	9.5e-01	1.0e+00
FBgn0035049	Mmp1	mRNA	slr	0.1	6.8e-01	8.9e-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

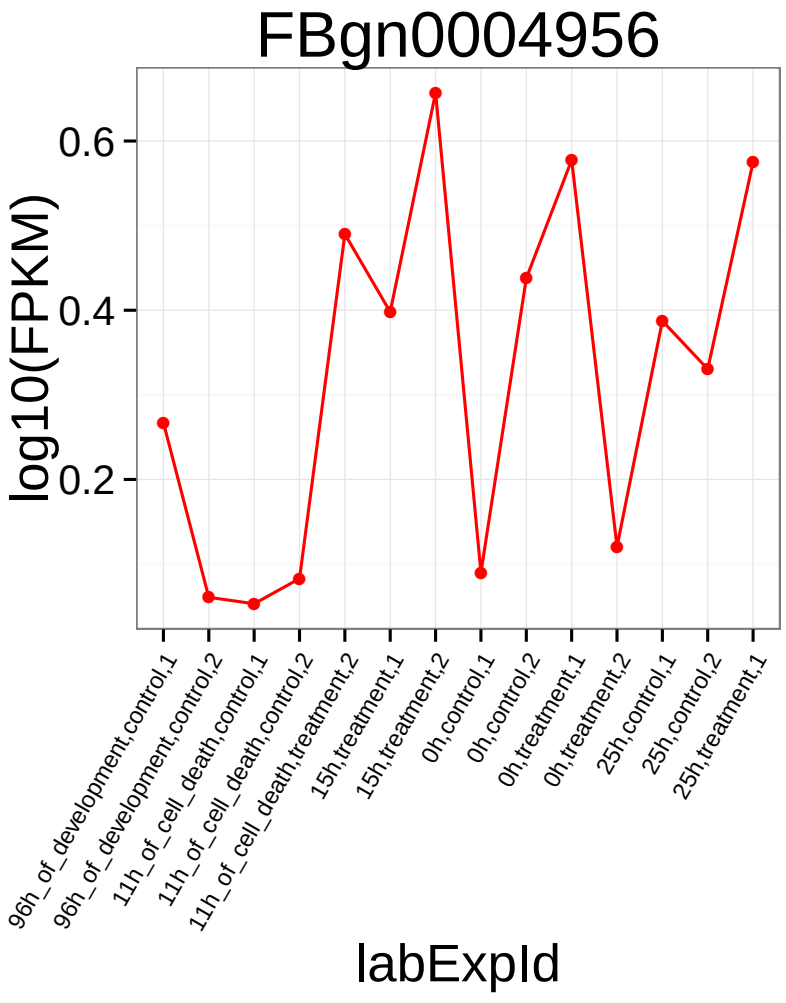
Control genes - differential expression analysis



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	7.4e-01
FBgn0243512	puc	mRNA	control.fer.ser	0.34	4.0e-01	1.0e+00
FBgn0243512	puc	mRNA	control.fer.slr	-0.13	6.6e-01	9.8e-01
FBgn0243512	puc	mRNA	control.ser.cdv	0.13	6.5e-01	8.7e-01
FBgn0243512	puc	mRNA	control.ser.slr	0.2	6.0e-01	9.1e-01
FBgn0243512	puc	mRNA	control.slr.cdv	-0.08	7.1e-01	8.6e-01
FBgn0243512	puc	mRNA	fer	-0.12	7.6e-01	9.3e-01
FBgn0243512	puc	mRNA	ser	0.45	4.2e-01	1.0e+00
FBgn0243512	puc	mRNA	slr	-0.55	1.4e-01	4.5e-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	6.5e-01	1.0e+00
FBgn0243512	puc	mRNA	treatment.ser.slr	-0.75	1.7e-01	6.8e-01

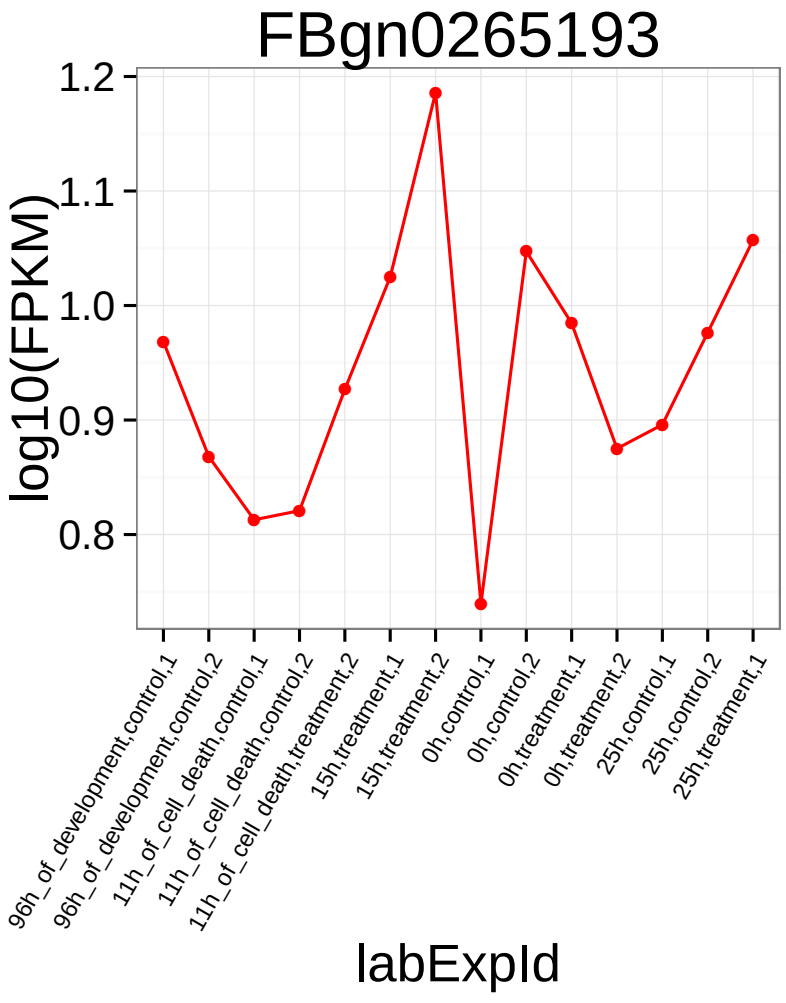
Control genes - differential expression analysis



Control genes - differential expression analysis

gene id	gene name	gene type	DEG	logFC	PValue	FDR
FBgn0004956	upd1	mRNA	control.fer.cdv	0.37	3.5e-01	6.7e-01
FBgn0004956	upd1	mRNA	control.fer.ser	-0.22	6.9e-01	1.0e+00
FBgn0004956	upd1	mRNA	control.fer.slr	0.6	2.0e-01	8.1e-01
FBgn0004956	upd1	mRNA	control.ser.cdv	0.14	8.1e-01	9.5e-01
FBgn0004956	upd1	mRNA	control.ser.slr	0.36	5.8e-01	9.0e-01
FBgn0004956	upd1	mRNA	control.slr.cdv	-0.23	5.4e-01	7.5e-01
FBgn0004956	upd1	mRNA	fer	0.85	1.0e-01	3.3e-01
FBgn0004956	upd1	mRNA	ser	0.57	5.3e-01	1.0e+00
FBgn0004956	upd1	mRNA	slr	0.64	2.3e-01	5.7e-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

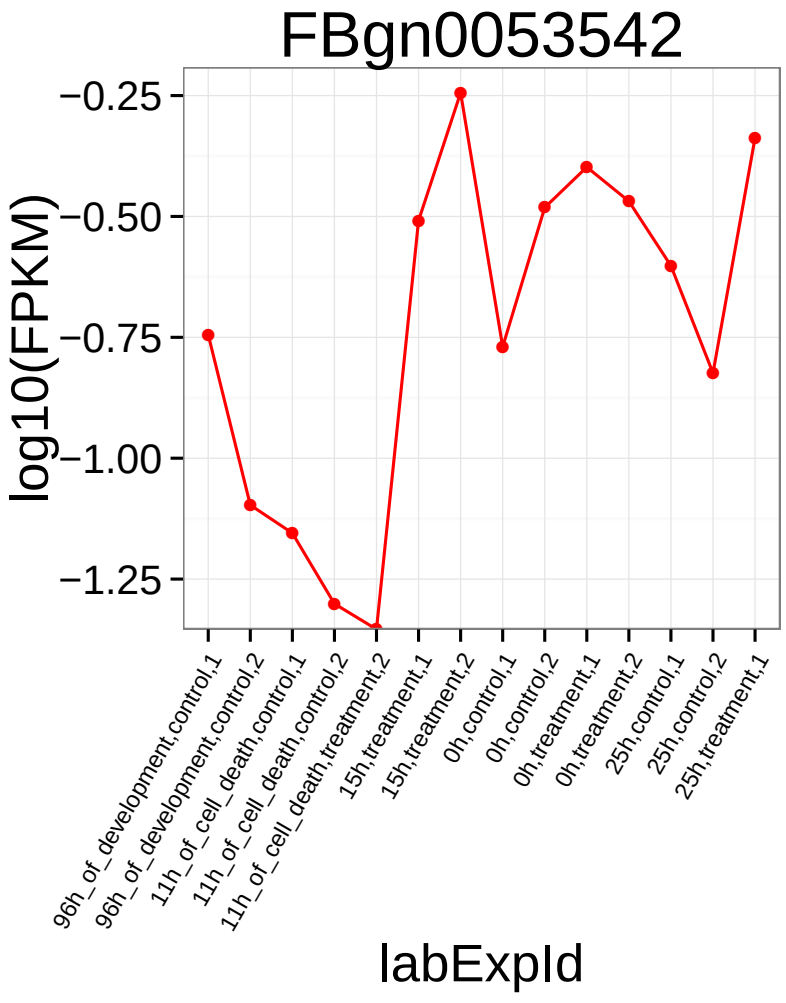
Control genes - differential expression analysis



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	0.07	9.3e-01	1.0e+00
FBgn0265193	Atf-2	mRNA	control.fer.slr	0.06	8.9e-01	1.0e+00
FBgn0265193	Atf-2	mRNA	control.ser.cdv	0.51	1.2e-01	3.9e-01
FBgn0265193	Atf-2	mRNA	control.ser.slr	0.12	8.7e-01	9.9e-01
FBgn0265193	Atf-2	mRNA	control.slr.cdv	0.38	1.6e-01	3.8e-01
FBgn0265193	Atf-2	mRNA	fer	-0.12	8.4e-01	9.6e-01
FBgn0265193	Atf-2	mRNA	ser	0.16	8.2e-01	1.0e+00
FBgn0265193	Atf-2	mRNA	slr	0.34	4.3e-01	7.5e-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



Outline

RNAseq samples

Control VS treatment

Control Samples along time

Treatment Samples along time

Controls

Treatment

Control genes

ATACseq - mapping stats

id	reads	Uniquely mapped reads	% Uniquely mapped reads	mapped multiple loci	% mapped multiple loci	unmapped too short
C8D2LACXX$_5$*N*703 — *N*502 — *NX*	39172203	28179076	71.94%	1530227	3.91%	20.77%
C8D2LACXX$_5$*N*703 — *N*503 — *NX*	36511208	29609781	81.10%	1102594	3.02%	12.67%
C8D2LACXX$_5$*N*705 — *N*517 — *NX*	27229630	23345989	85.74%	924314	3.39%	7.59%
C8D2LACXX$_5$*N*706 — *N*517 — *NX*	30936937	22732653	73.48%	952562	3.08%	20.47%
C8D2LACXX$_6$*N*701 — *N*502 — *NX*	38164421	25859480	67.76%	1086242	2.85%	26.11%
C8D2LACXX$_6$*N*701 — *N*517 — *NX*	40629916	30849827	75.93%	1318698	3.25%	17.48%
C8D2LACXX$_6$*N*704 — *N*503 — *NX*	31163300	24285870	77.93%	887087	2.85%	16.46%
C8D2LACXX$_6$*N*706 — *N*502 — *NX*	39248886	30389394	77.43%	929551	2.37%	17.50%
C8D2LACXX$_7$*N*701 — *N*502 — *NX*	33530934	25385401	75.71%	985095	2.94%	18.69%
C8D2LACXX$_7$*N*702 — *N*503 — *NX*	32414365	23552045	72.66%	1348374	4.16%	19.53%
C8D2LACXX$_7$*N*704 — *N*502 — *NX*	37206314	23521988	63.22%	2055780	5.53%	26.39%
C8D2LACXX$_7$*N*704 — *N*504 — *NX*	35428731	25439143	71.80%	1383546	3.91% 20.37%	
C8D2LACXX$_8$*N*701 — *N*503 — *NX*	39553256	33523739	84.76%	1422159	3.60%	7.81%
C8D2LACXX$_8$*N*703 — *N*517 — *NX*	33805236	19462562	57.57%	1109199	3.28%	35.99%
C8D2LACXX$_8$*N*705 — *N*502 — *NX*	36262439	26846043	74.03%	1172847	3.23%	19.68%
C8D2LACXX$_8$*N*706 — *N*504 — *NX*	31165523	23912148	76.73%	790514	2.54%	18.22%
C8D7CACXX$_4$*N*702 — *N*504 — *NX*	34716712	28706599	82.69%	1433437	4.13%	9.57%
C8D7CACXX$_4$*N*703 — *N*504 — *NX*	39498659	26695941	67.59%	959131	2.43%	27.88%
C8D7CACXX$_4$*N*705 — *N*503 — *NX*	42554815	33301213	78.25%	1940209	4.56%	13.04%
C8D7CACXX$_4$*N*706 — *N*503 — *NX*	42755866	33232371	77.73%	996926	2.33%	17.32%