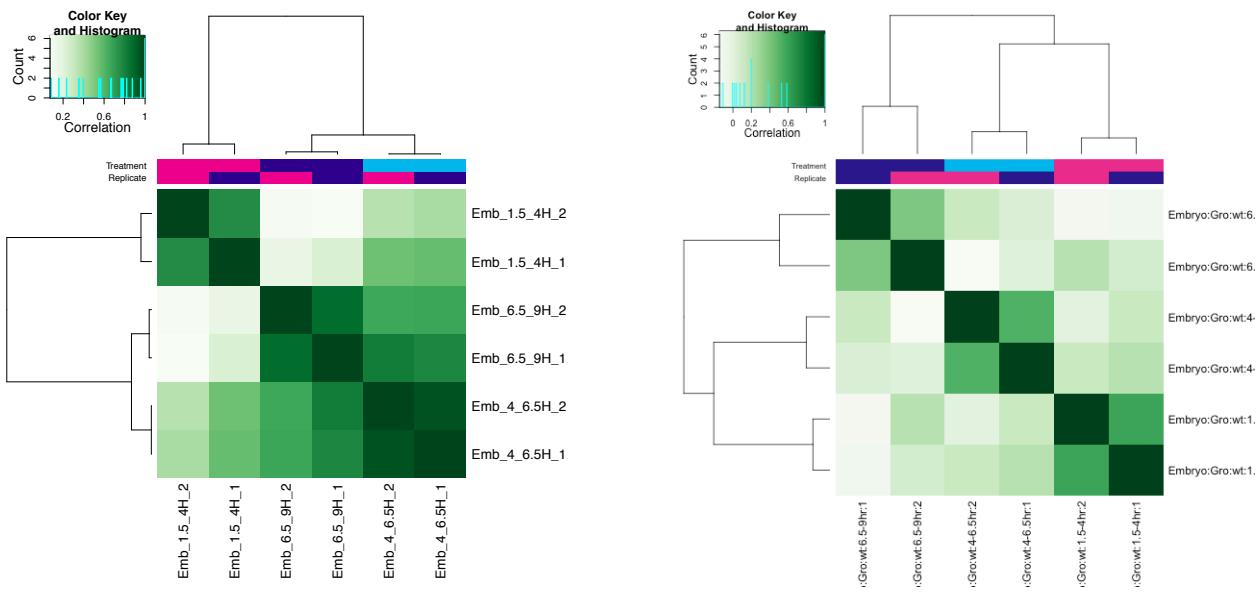


Fig. 2-1

A

Timepoint	Replicate	Total Reads	Uniquely Aligned	Multiply Aligned	Total Aligned	Overall Alignment Rate
Input	A	26,804,524	19,349,084	4,859,241	24,208,325	90%
Input	B	22,770,618	16,367,817	4,175,412	20,543,229	90%
1.5 - 4 hr	A	22,276,144	8,242,625	2,487,432	10,730,057	48%
1.5 - 4 hr	B	23,743,733	5,992,455	1,974,028	7,966,483	34%
4 - 6.5 hr	A	19,973,255	7,925,951	2,463,045	10,388,996	52%
4 - 6.5 hr	B	17,755,470	8,440,270	2,461,968	10,902,238	61%
6.5 - 9 hr	A	18,066,141	7,979,752	2,324,797	10,304,549	57%
6.5 - 9 hr	B	22,367,998	8,179,454	2,740,544	10,919,998	49%

B



C

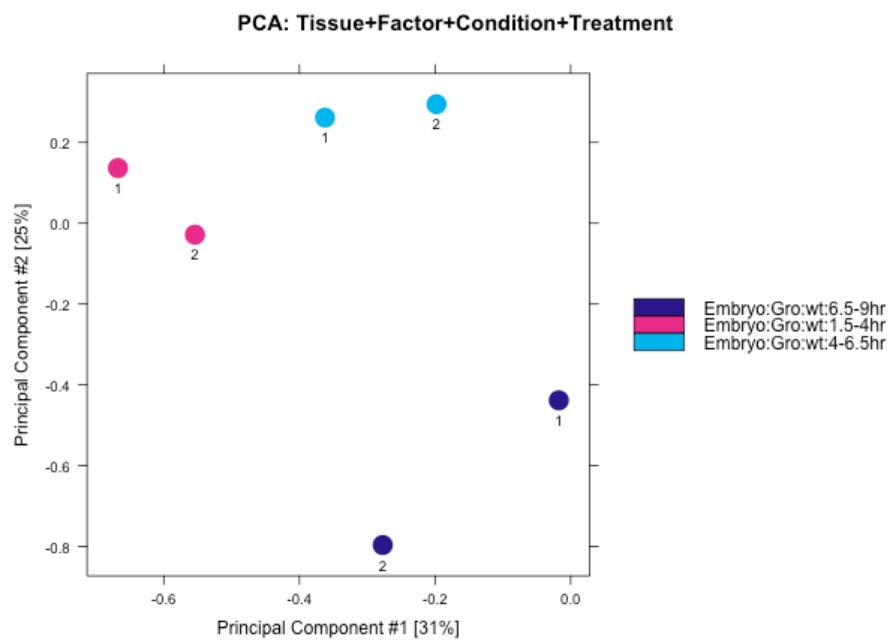


Fig. 2-2

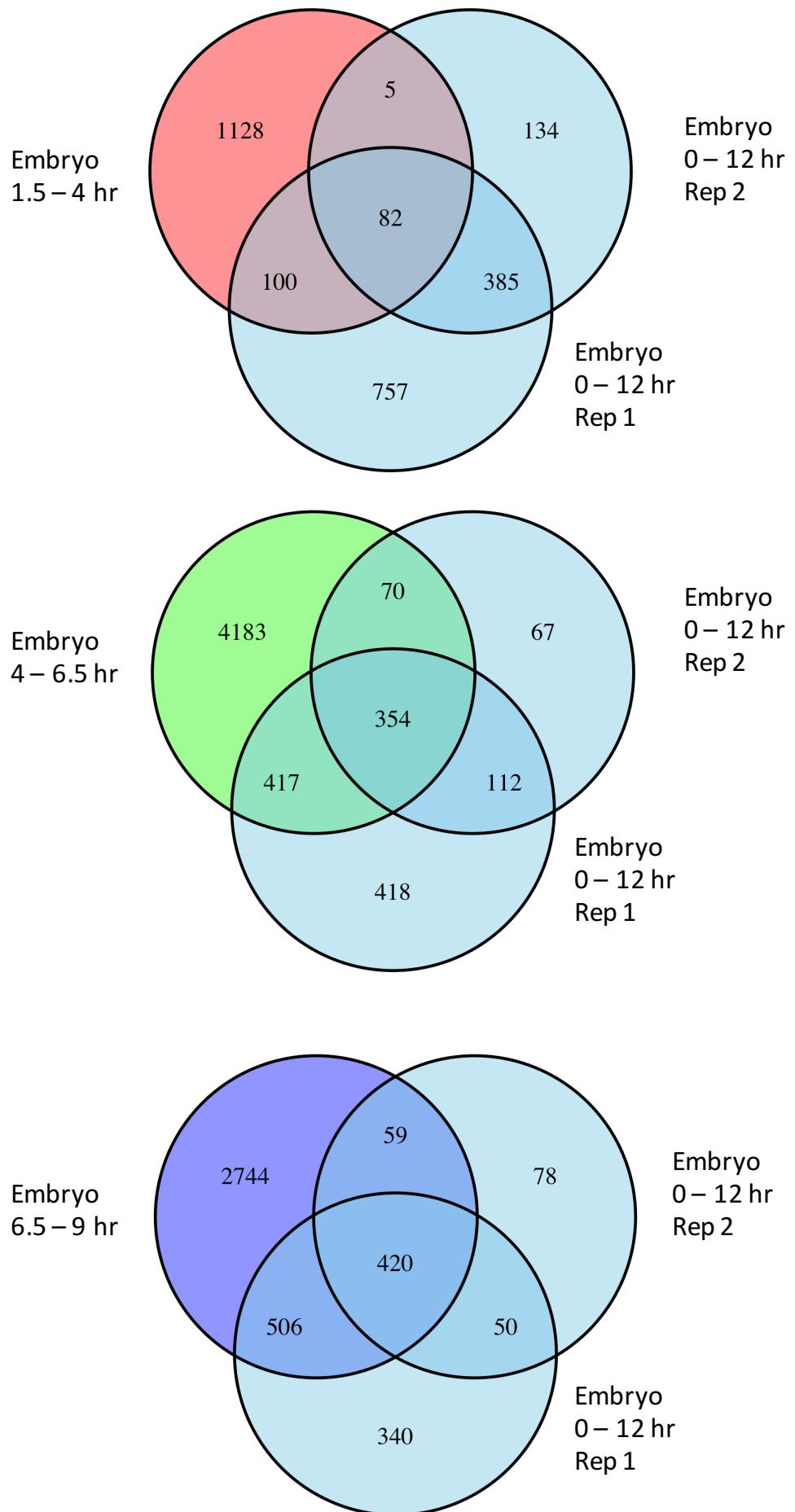


Fig. 2-3

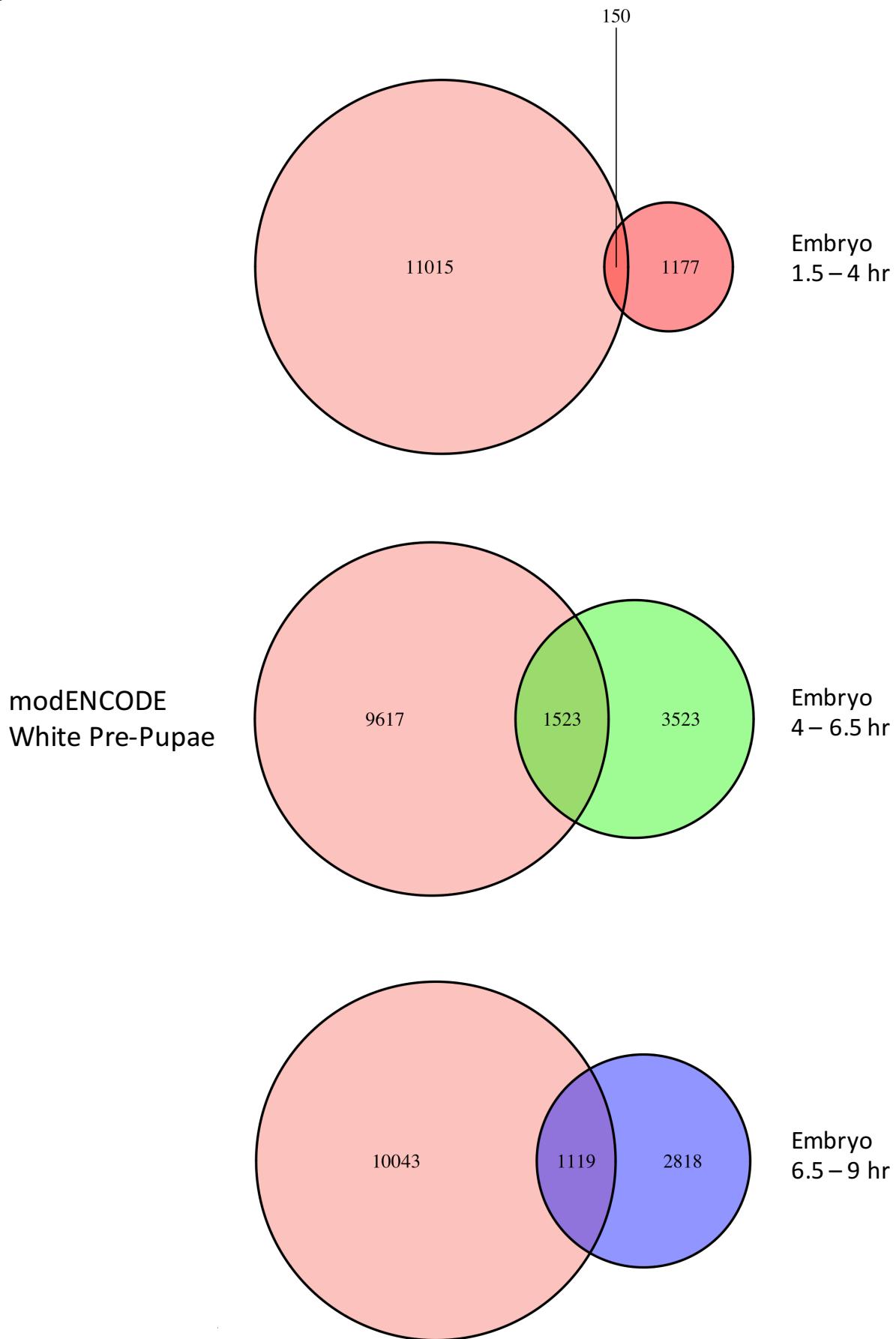
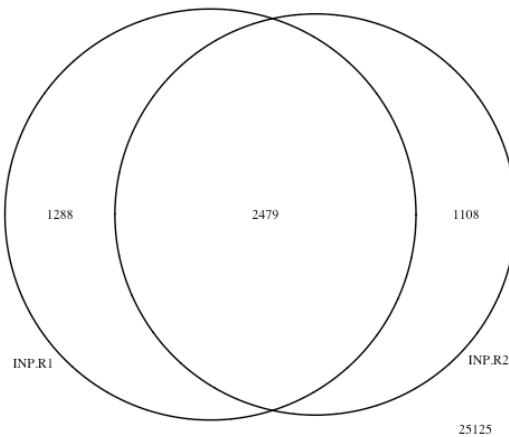
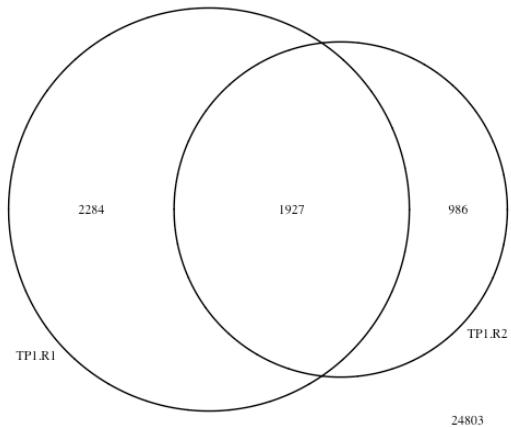


Fig. 2-4

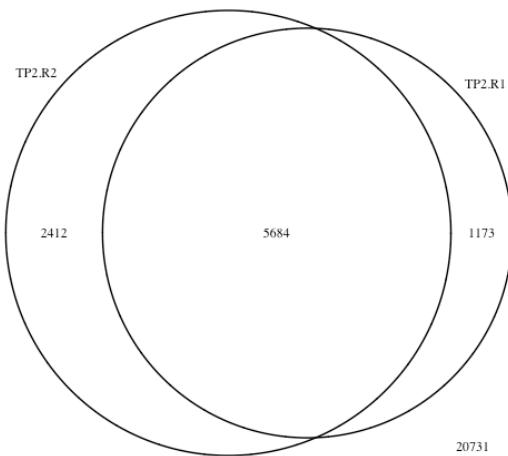
Input



1.5 – 4 hr



4 – 6.5 hr



6.5 – 9 hr

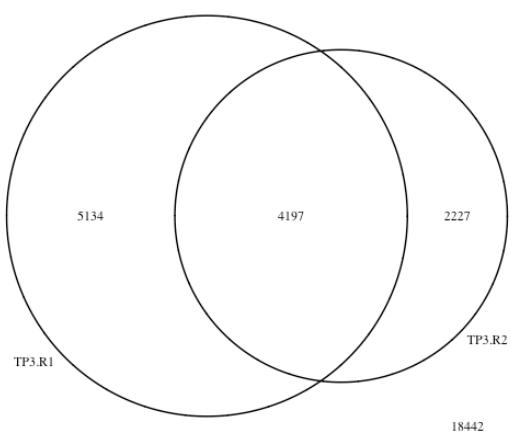
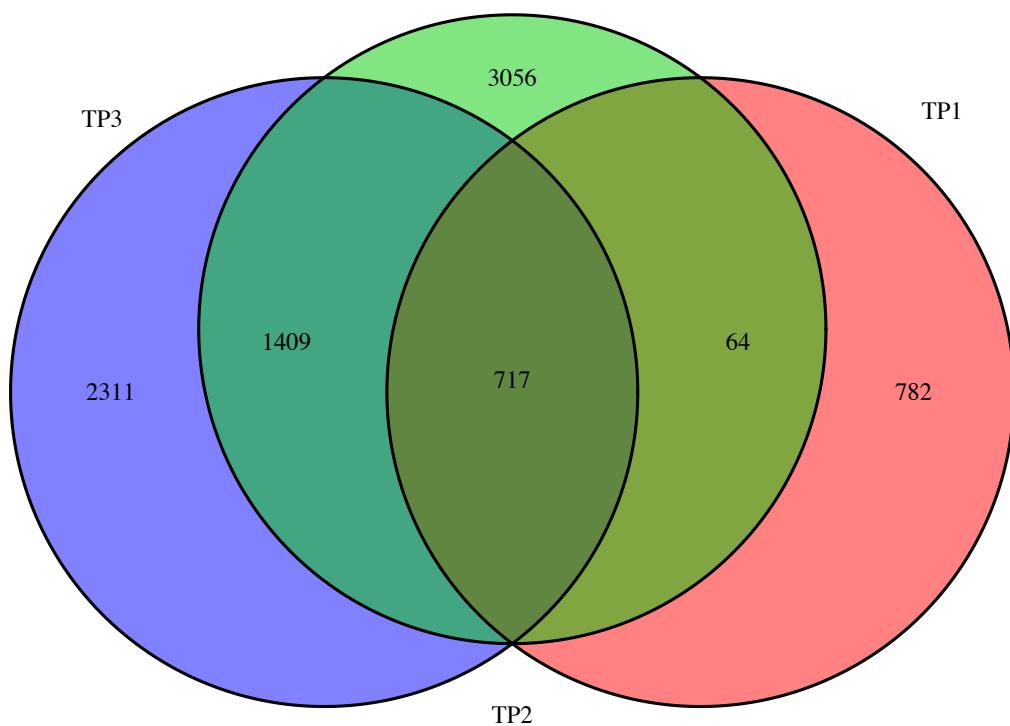


Fig. 2-5

A



B

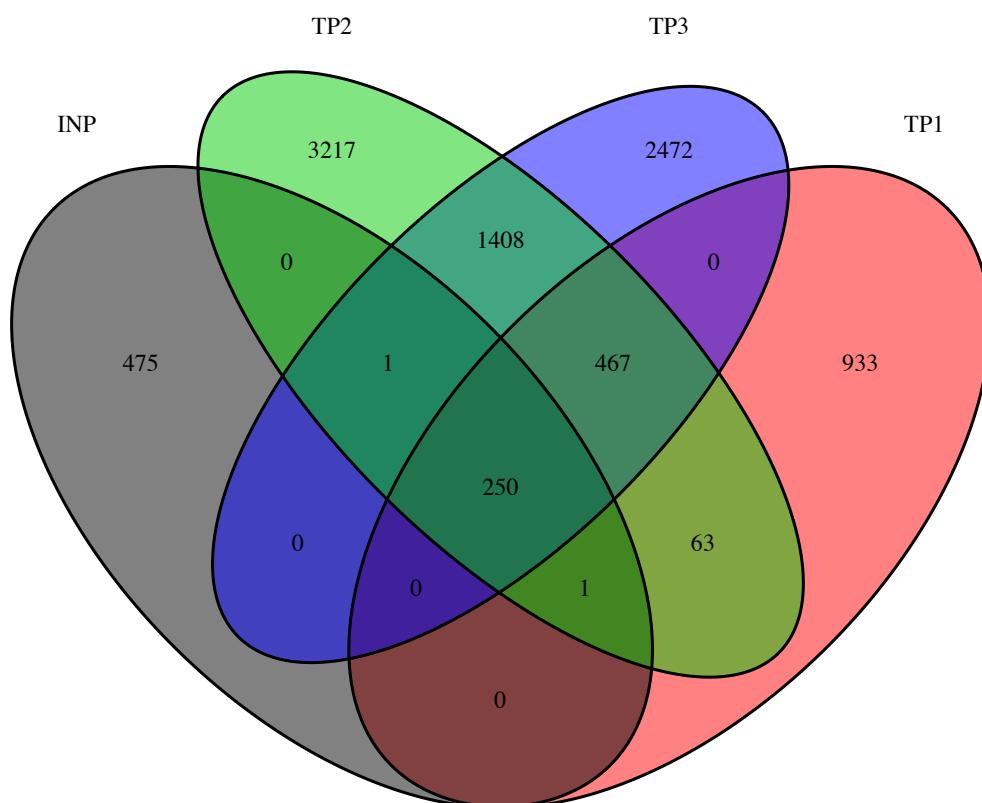
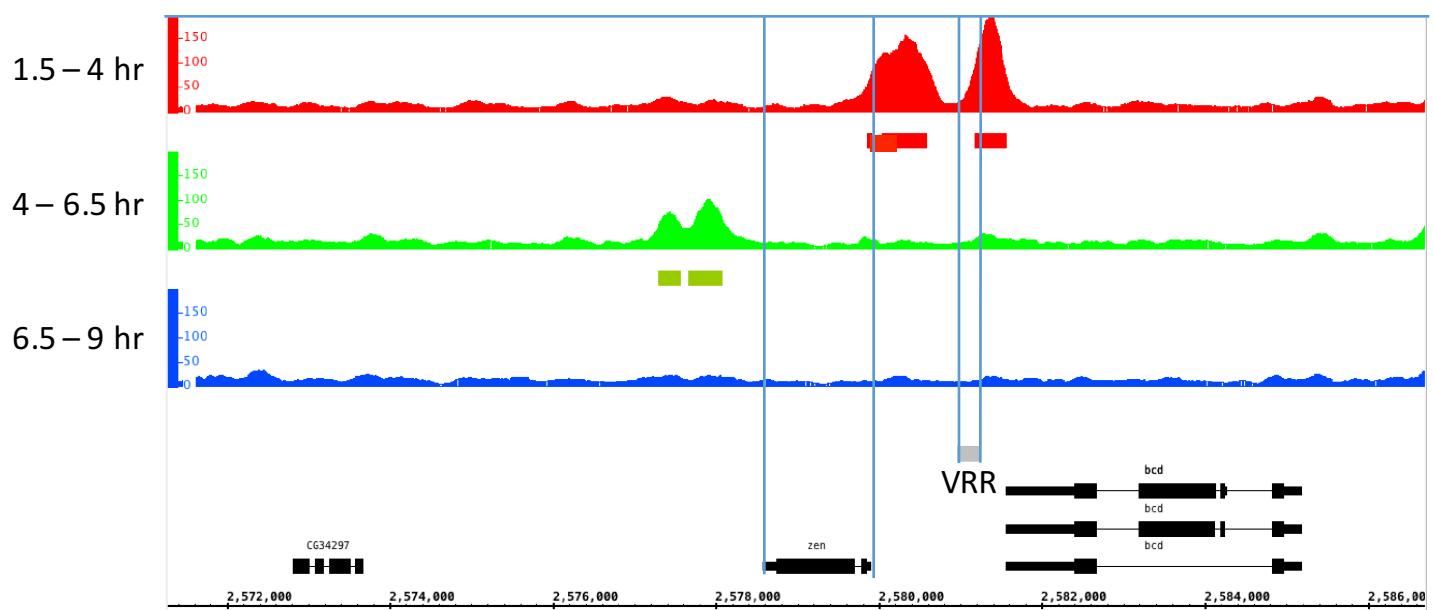


Fig. 2-6

A



B

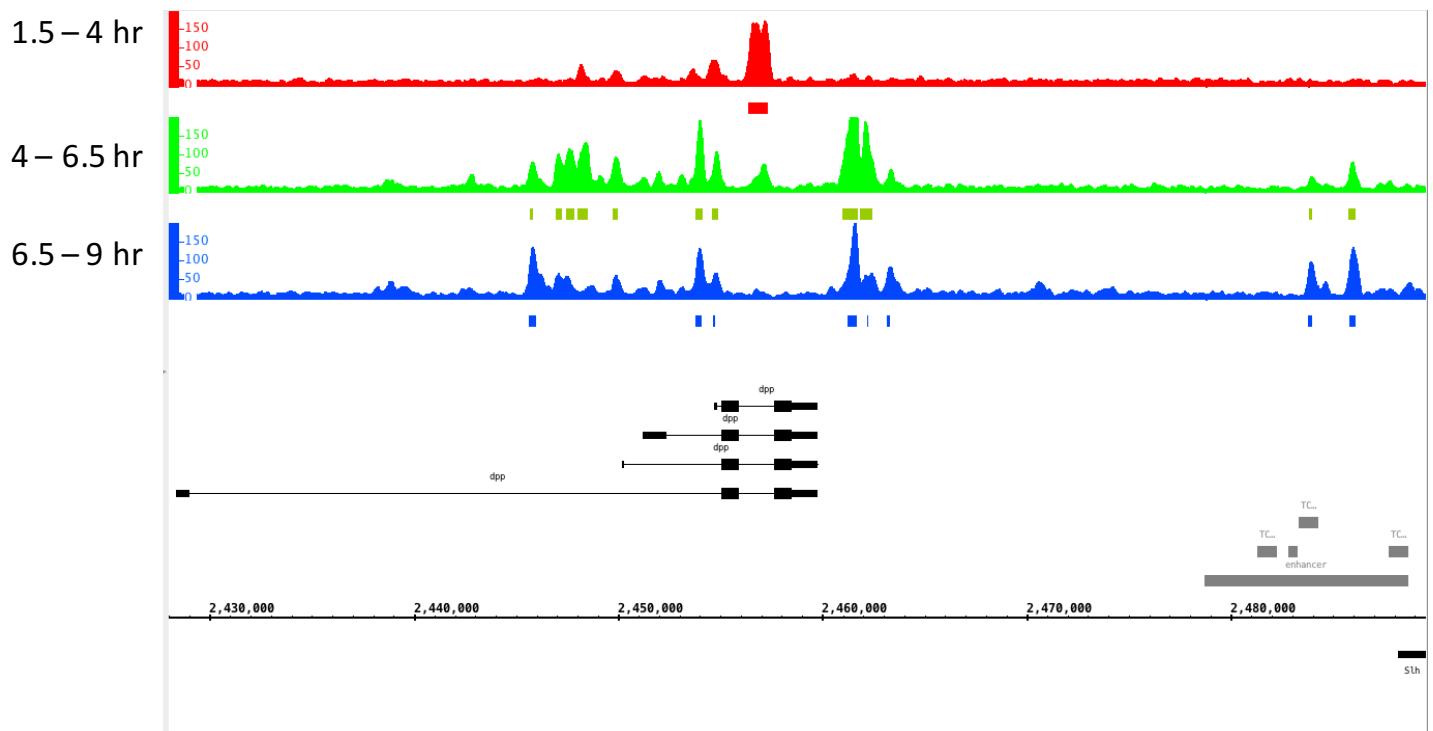


Fig. 2-7

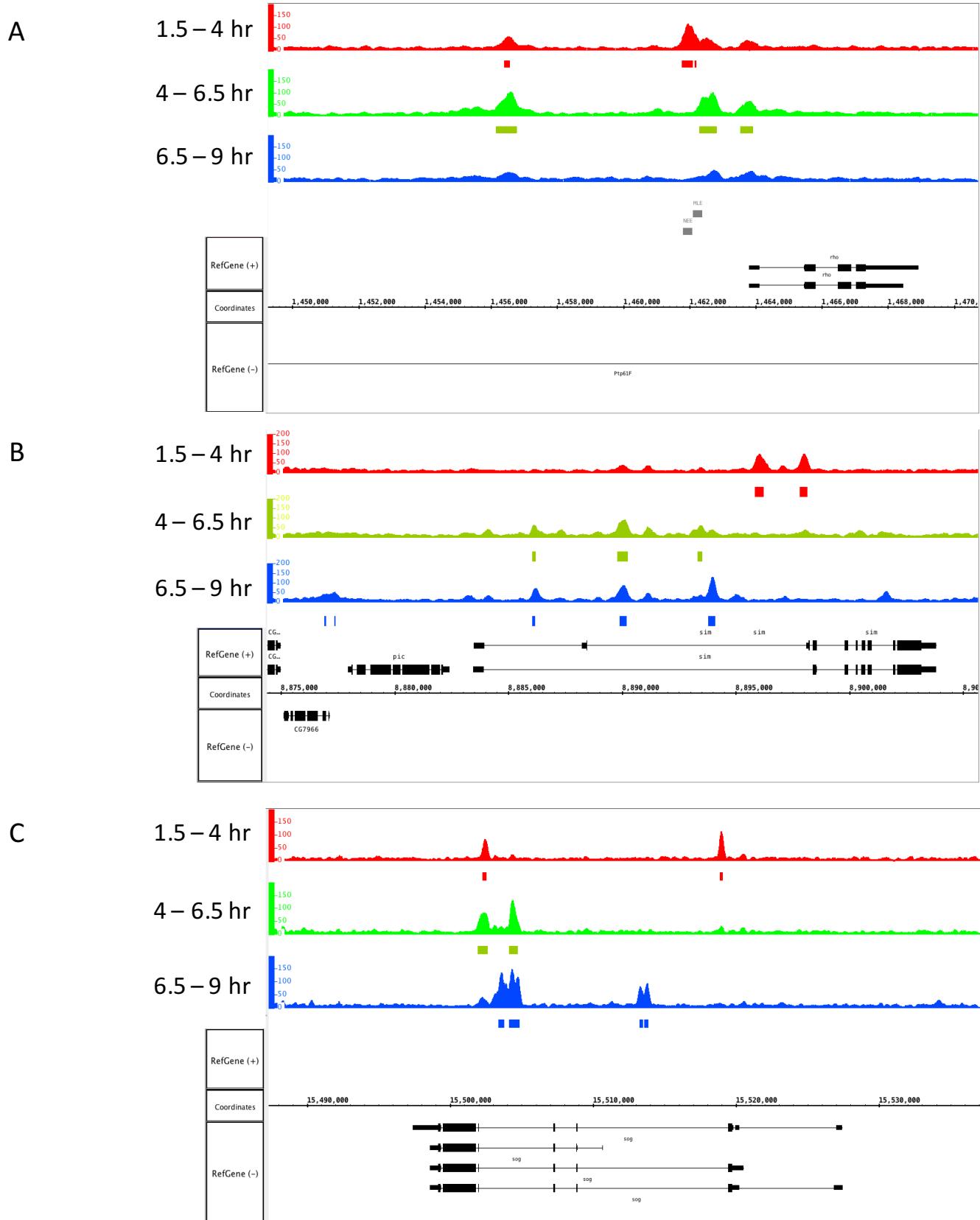


Fig. 2-8

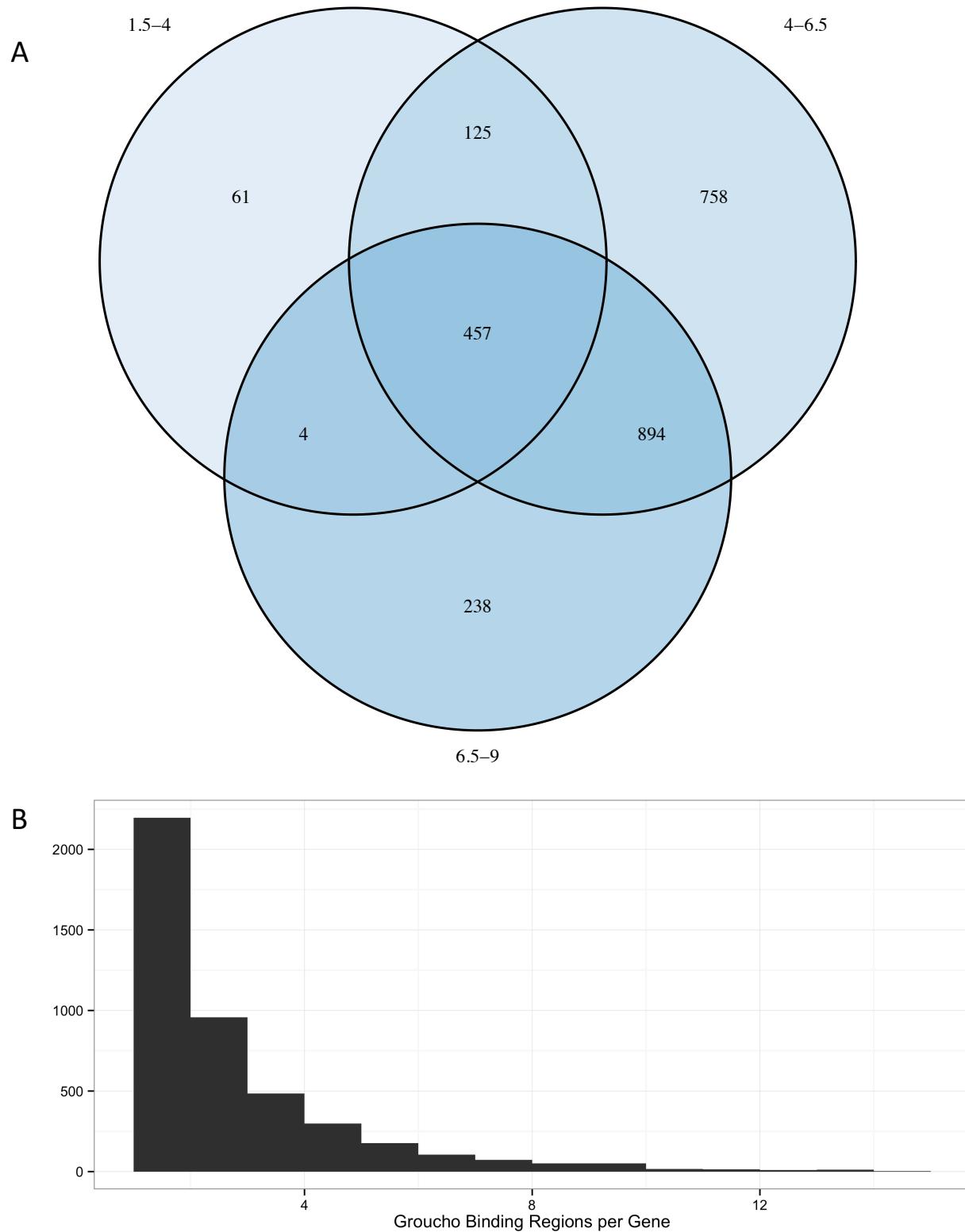


Fig. 2-9

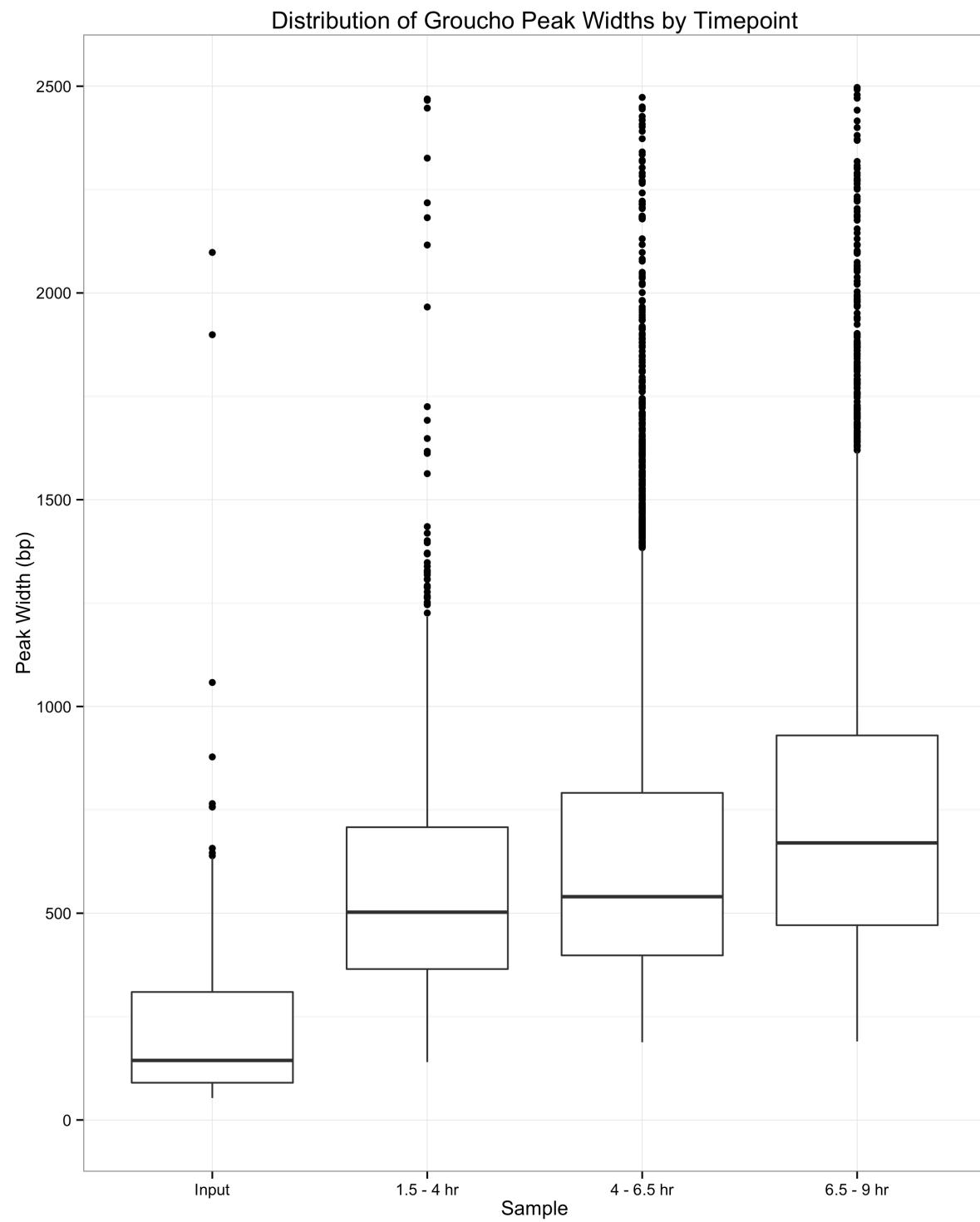
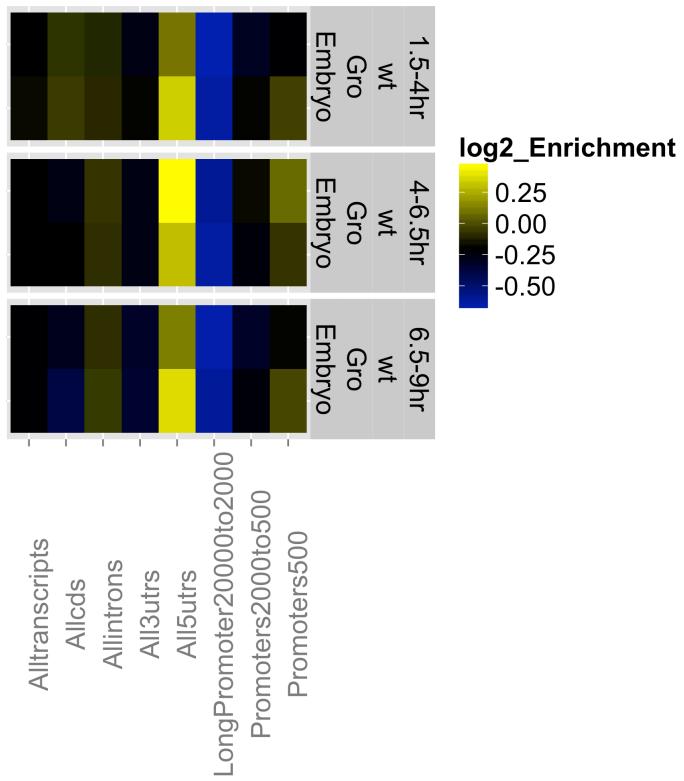


Fig. 2-10

A



B

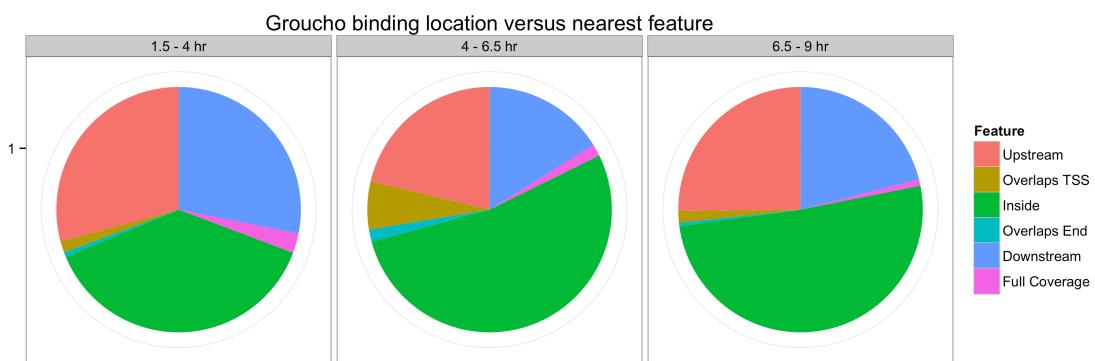


Fig. 2-11

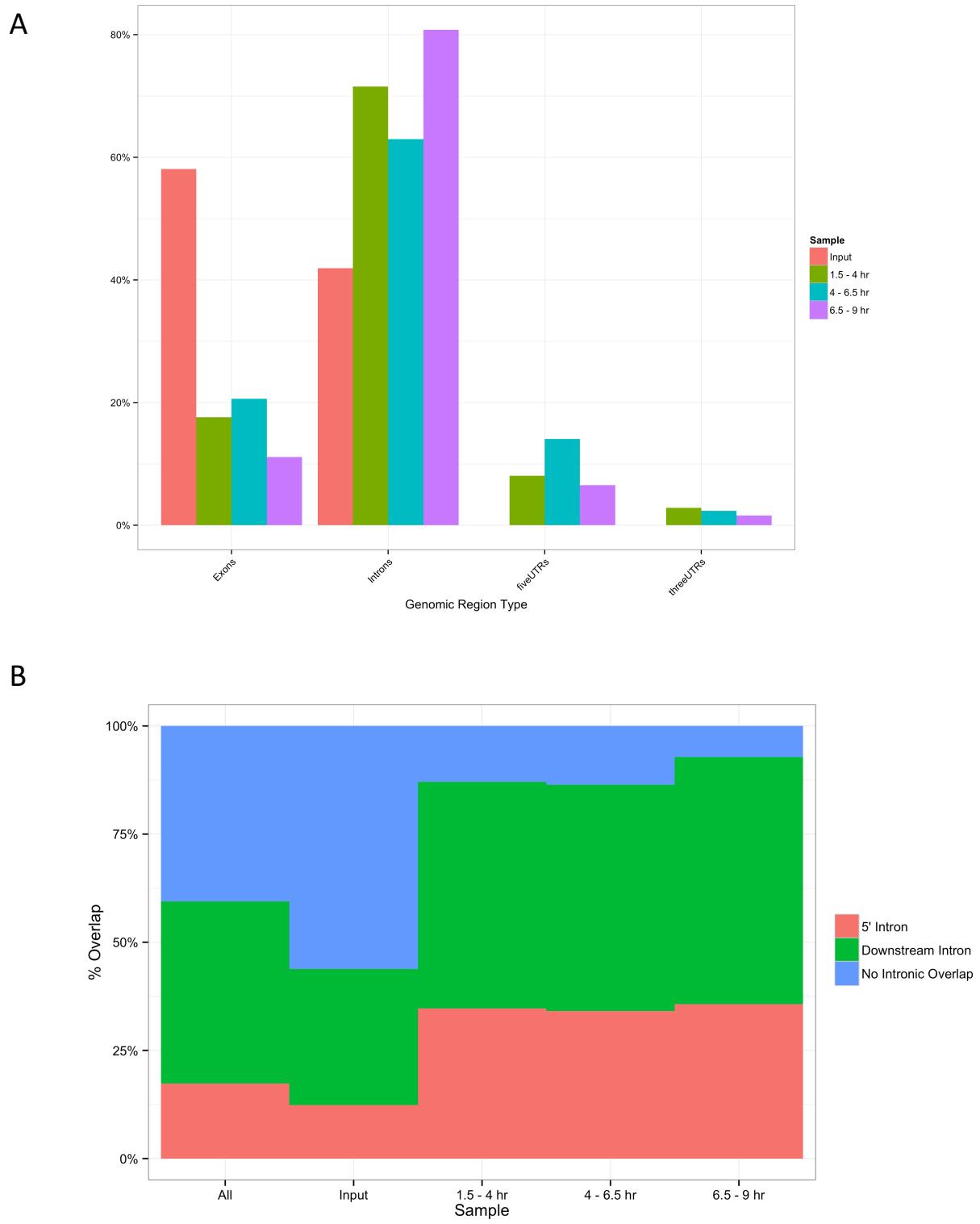
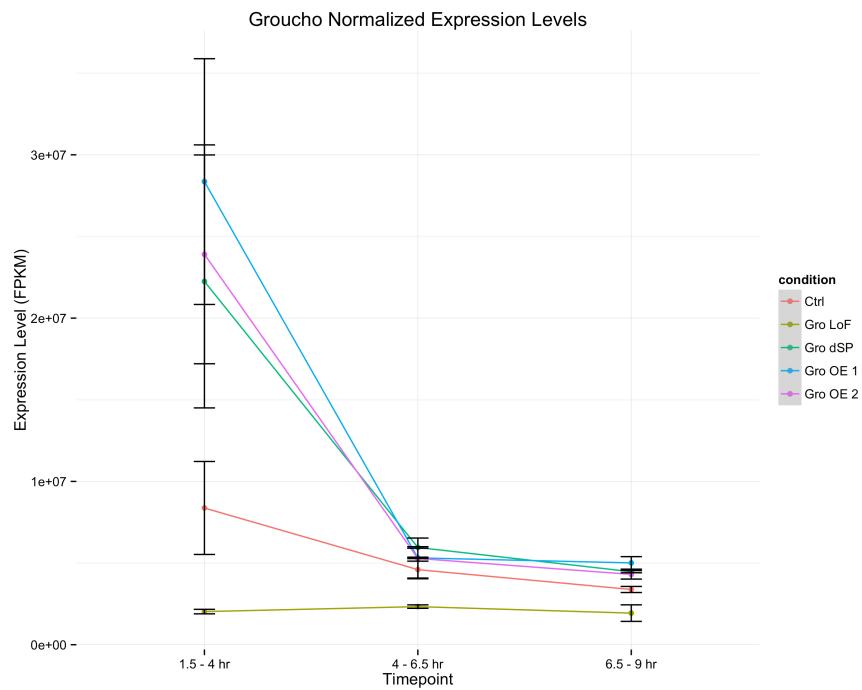


Fig. 2-12

	Factor	Intergenic		Inside Gene	
		E-value	Matches	E-value	Matches
1.5 - 4 hr	h	1.1E-02	672	9.7E-01	378
	Mad	2.8E-01	886	1.3E-02	161
	Med	1.7E-03	553	6.7E+00	121
	ttk	5.9E+00	761		
	z	6.9E+00	1022		
	sna			8.3E-07	695
	usp			1.1E-03	150
4 - 6.5 hr	brk	3.3E-13	1630	1.4E-15	1457
	h	4.9E-19	2427	4.0E-33	2561
	hkb	8.6E-19	1018	1.6E-26	1752
	Mad	7.8E-02	1694	1.6E-04	1440
	Med	4.8E-27	2023	1.1E-32	2827
	slp1	1.1E-06	1719	2.1E-19	2365
	sna	4.6E-10	2188	7.6E-27	2215
	srp			9.6E-07	2656
	ttk	9.6E-15	796	1.8E-10	995
	twi	6.3E-07	2743	2.5E-13	3036
	usp			5.1E+00	1393
	vnd	1.2E-02	1926	4.0E-13	1694
	z	1.7E-04	2464	7.6E-13	1811
6.5 - 9 hr	brk	1.5E-04	801	4.8E-04	808
	h	2.2E-09	1586	1.6E-09	1535
	hkb	3.3E-05	1145	1.9E-06	1559
	Mad	4.0E-03	1719	1.4E-03	928
	Med	9.8E-02	1613	8.8E-08	2617
	slp1	1.4E-01	1393	2.6E-04	1379
	sna	1.3E+00	1953	8.2E-01	1076
	srp			7.7E-01	2141
	z			4.6E-03	1546

Fig. 2-13

A



B

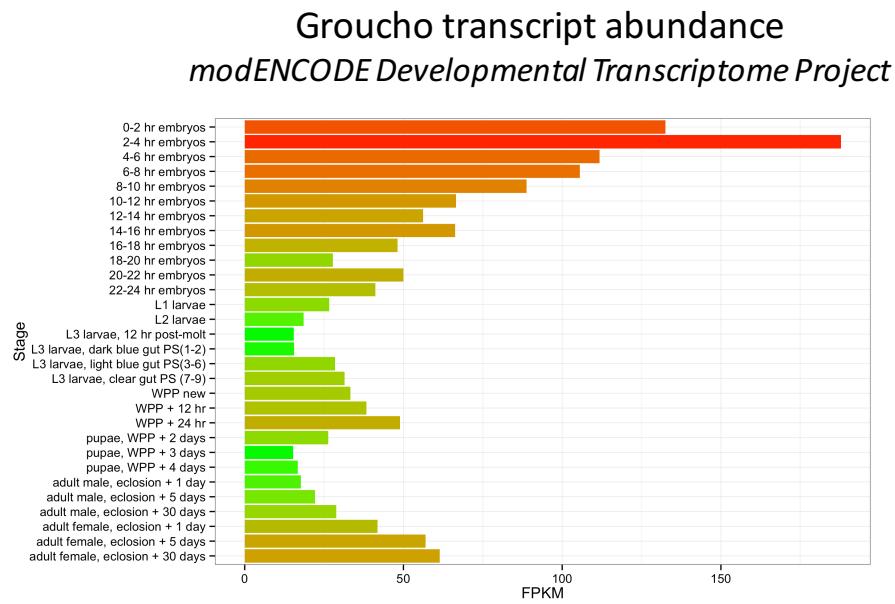


Fig. 2-14

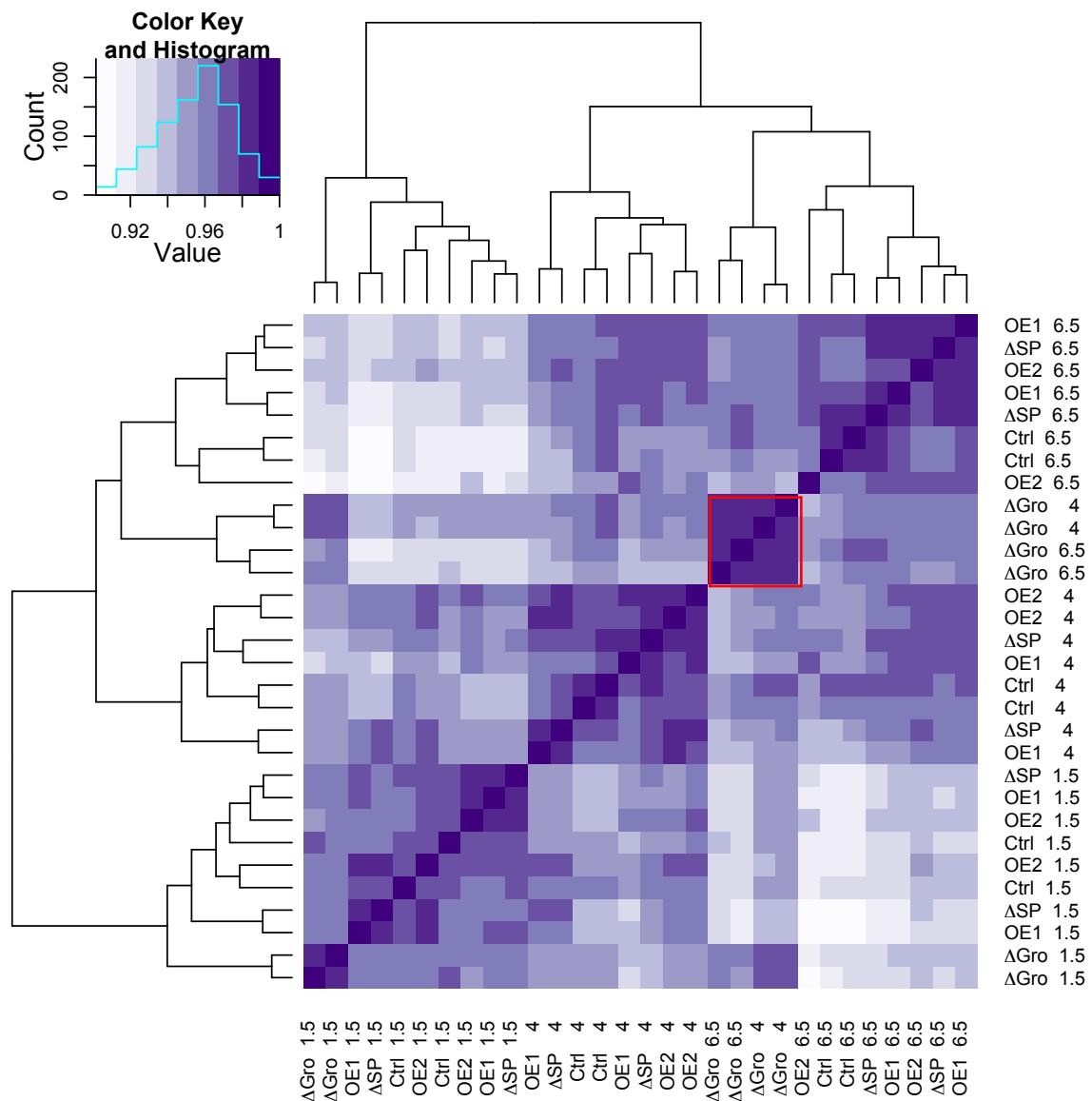


Fig. 2-15

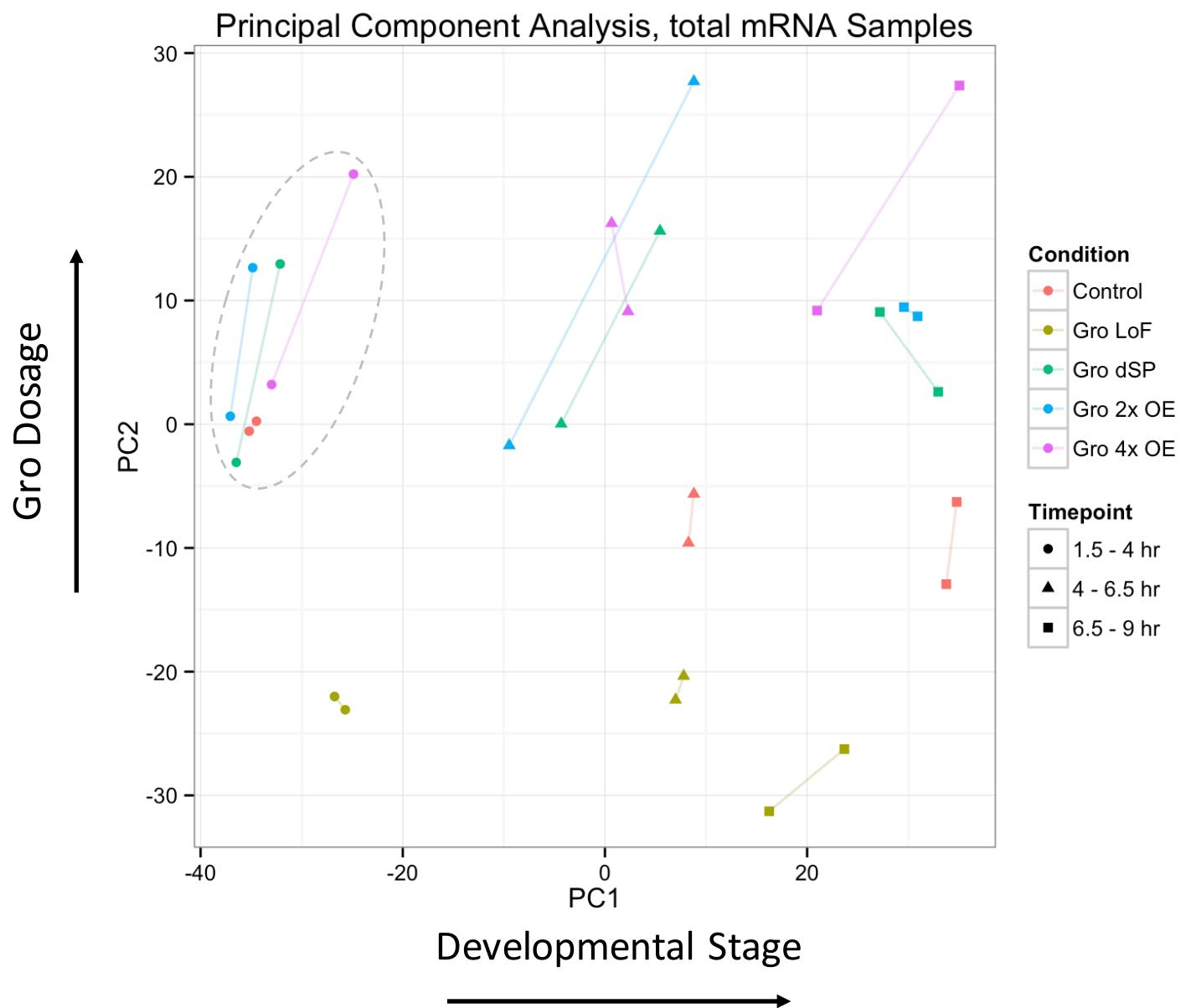


Fig. 2-16

A

		1.5 - 4 hr	4 - 6.5 hr	6.5 - 9 hr
	Down	1459	2253	2043
	Up	1437	1837	1632
Gro LoF	Down	241	284	500
Gro LoF	Up	100	230	616
GroΔSP	Down	698	566	463
GroΔSP	Up	244	599	496
Overexpression (2x)	Down	674	655	1171
Overexpression (2x)	Up	219	490	1204
Overexpression (4x)	Down			
Overexpression (4x)	Up			

B

% of Protein-Coding Genome Differentially Expressed vs wild-type			
Sample	1.5 - 4 hr	4 - 6.5 hr	6.5 - 9 hr
Gro LoF	19%	27%	25%
GroΔSP	2%	3%	7%
Gro 2x Overexpression	6%	8%	6%
Gro 4x Overexpression	6%	8%	16%

Fig. 2-17

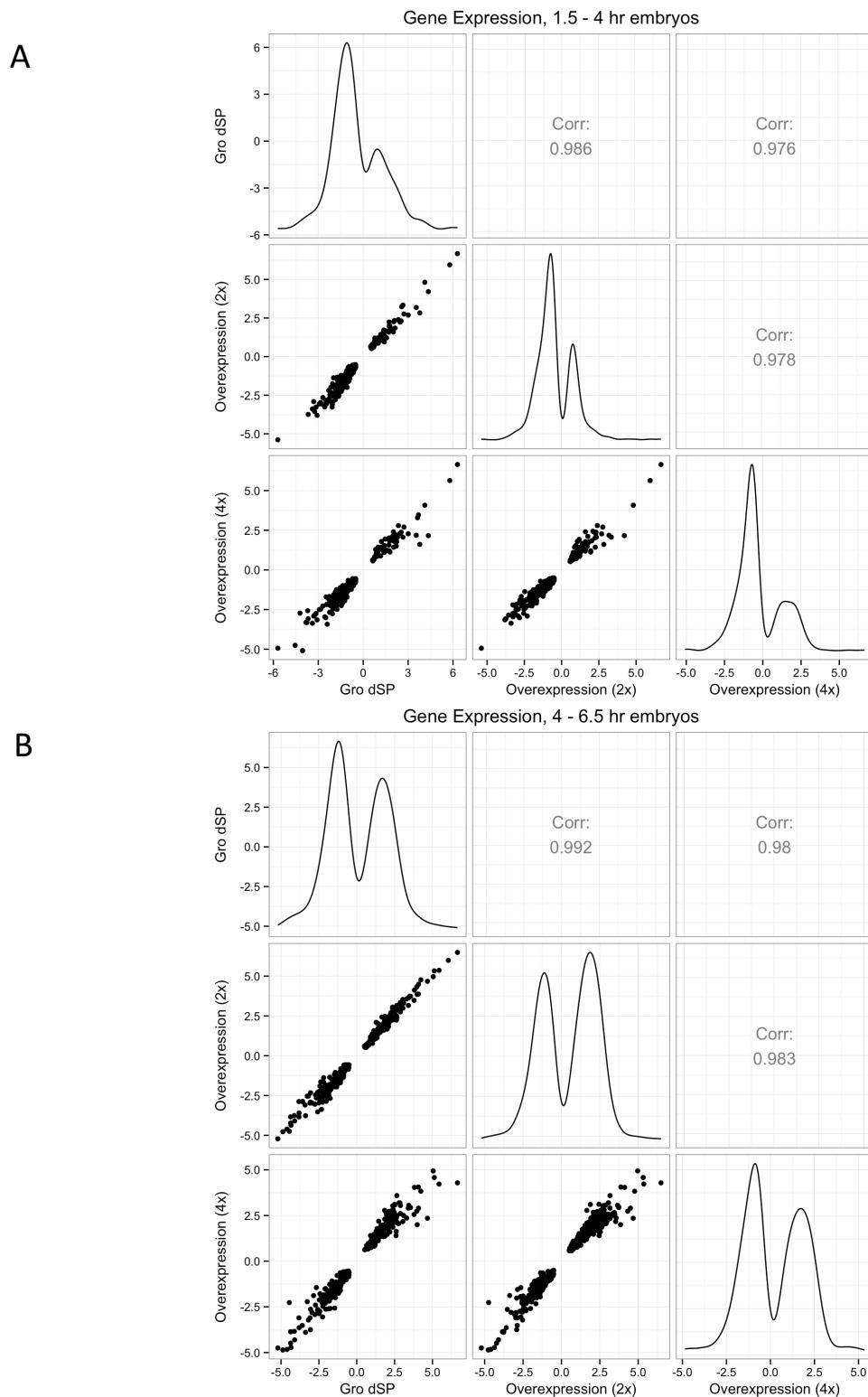


Fig. 2-17 (continued)

C

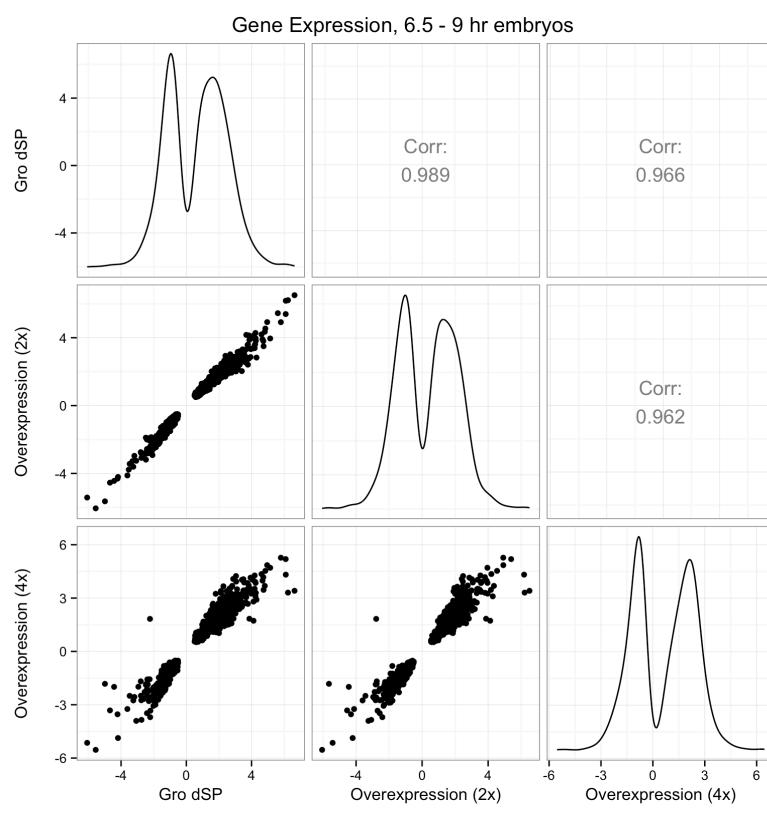


Fig. 2-18

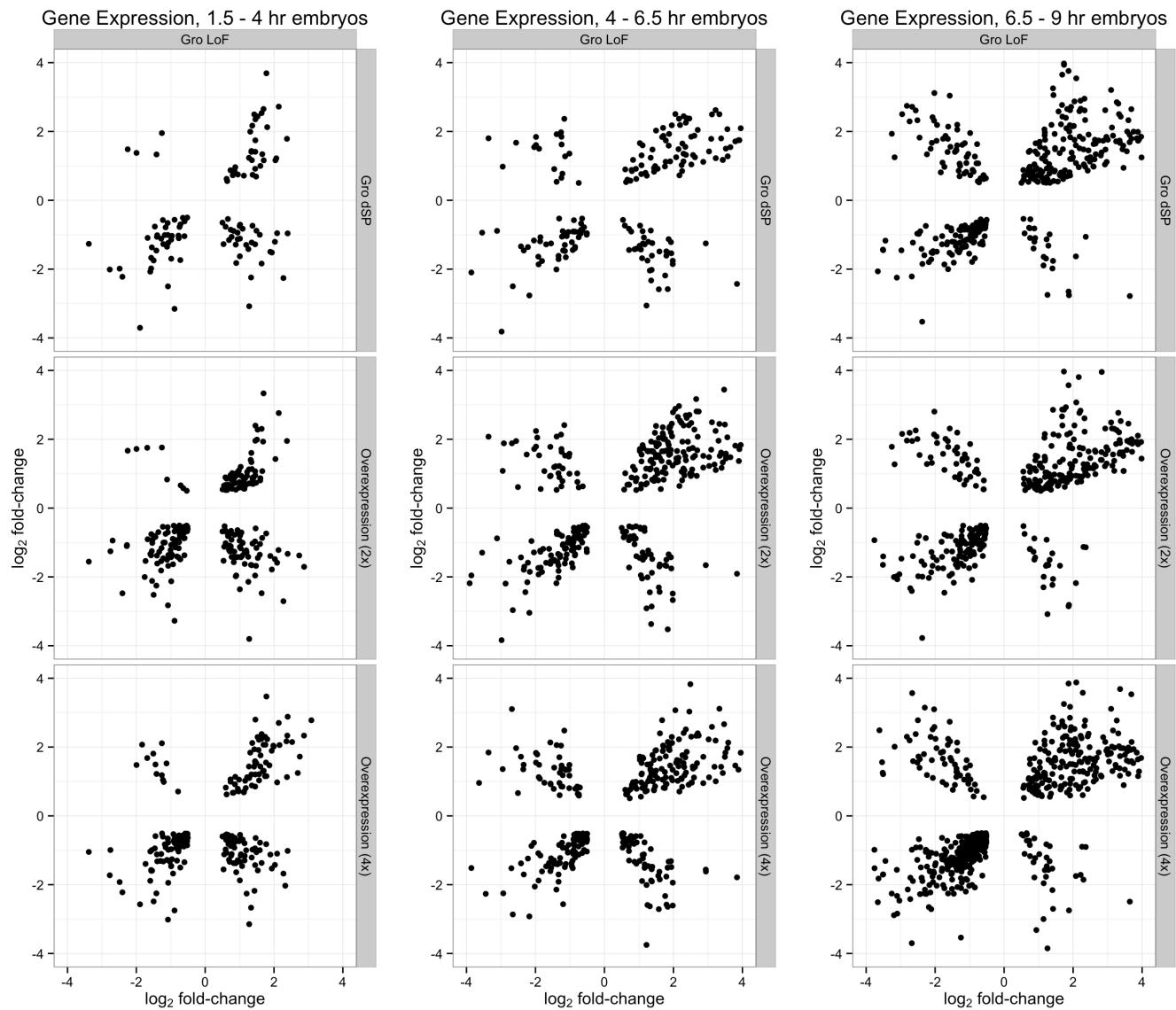


Fig. 2-19

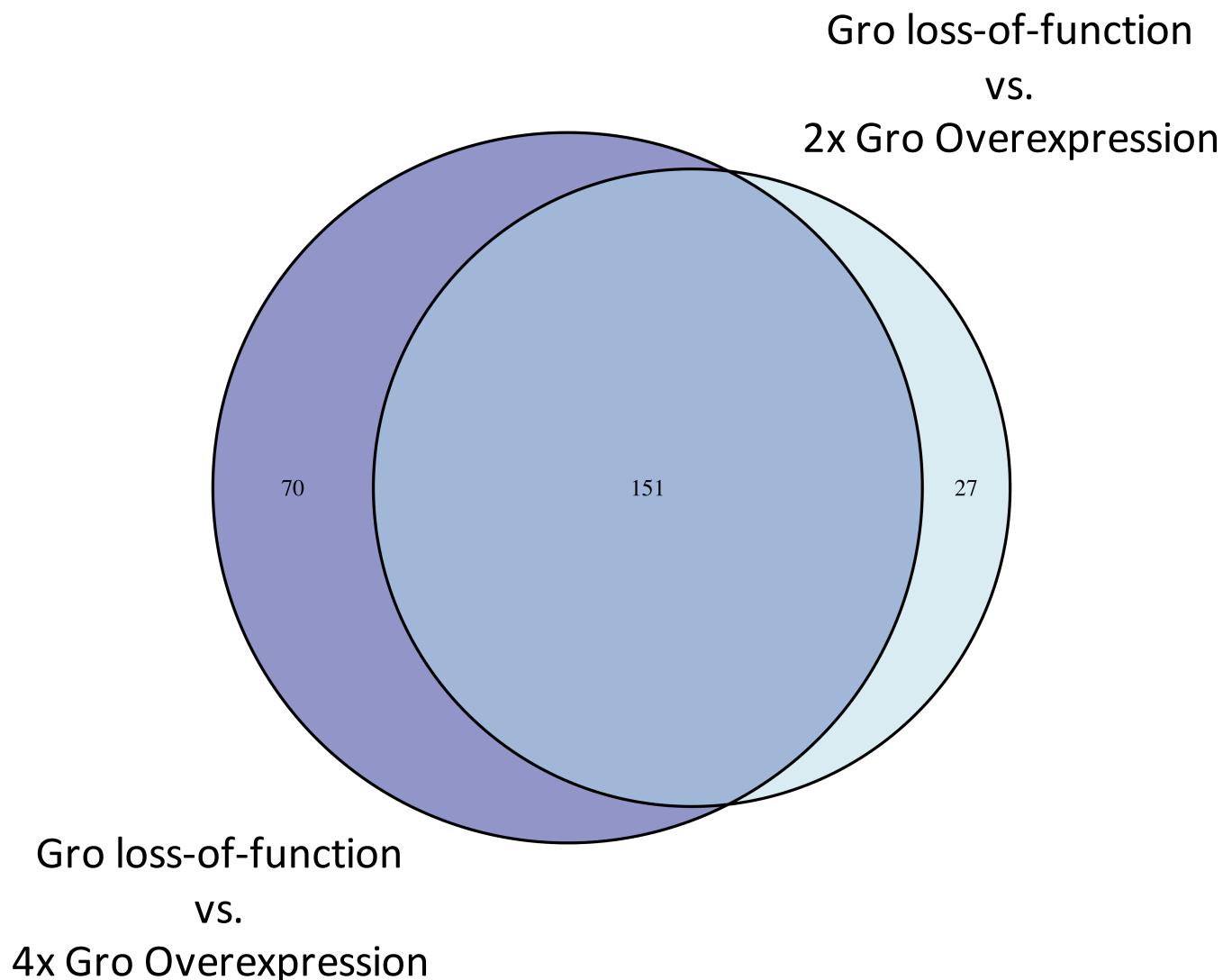


Fig. 2-20

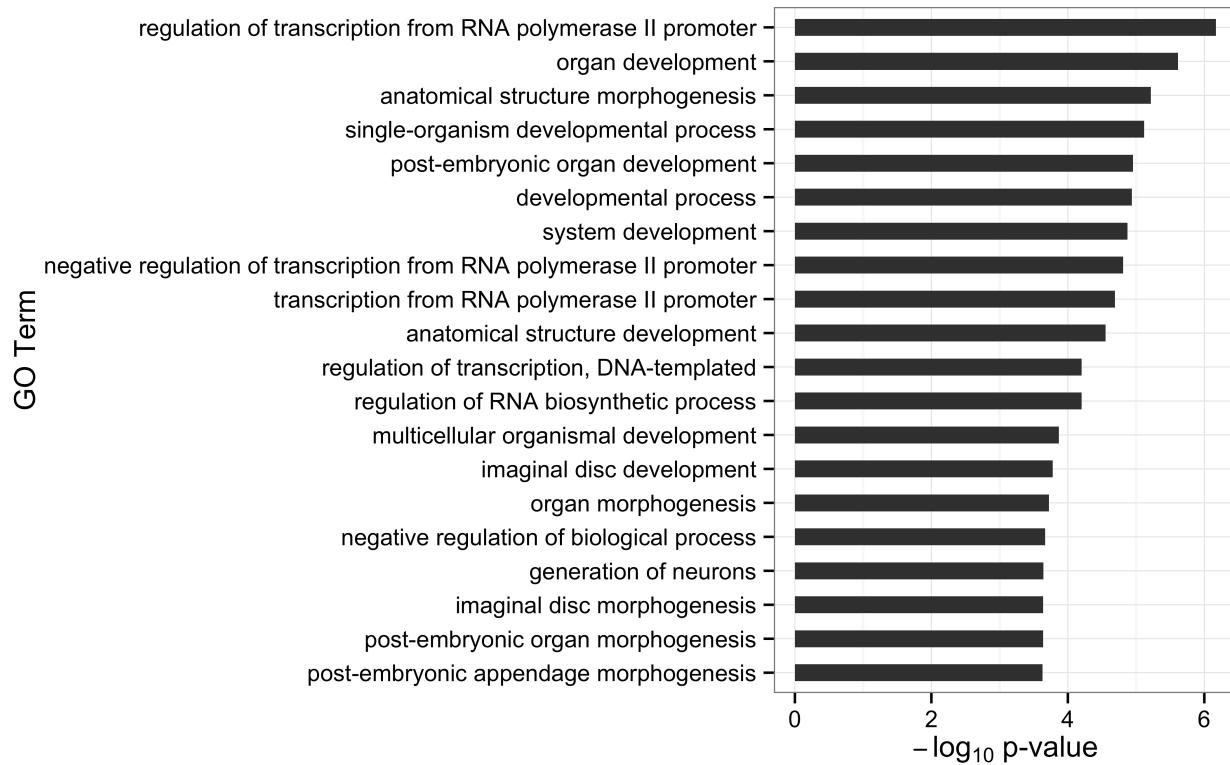
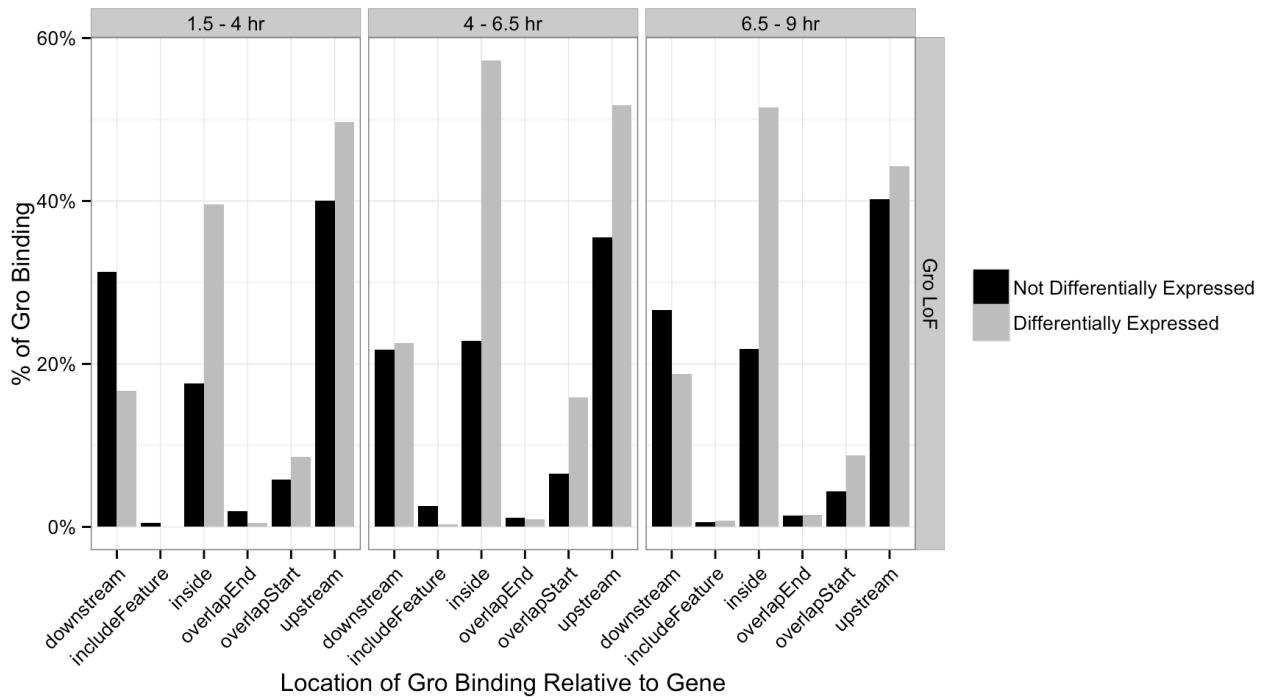


Fig. 2-21



Percentage of genes with internal Groucho binding										
	Whole Gene				Exon		Intron			
	Down	No Change	Up	Down	No Change	Up	Down	No Change	Up	
Gro LoF	1.5 - 4 hr	4%	2%	5%	2%	1%	2%	3%	2%	4%
	4 - 6.5 hr	11%	9%	14%	8%	6%	7%	8%	6%	12%
	6.5 - 9 hr	11%	6%	6%	5%	3%	3%	10%	4%	5%
2x Overexpression	1.5 - 4 hr	15%	2%	2%	7%	1%	1%	11%	1%	1%
	4 - 6.5 hr	43%	9%	6%	30%	6%	2%	32%	6%	4%
	6.5 - 9 hr	23%	6%	5%	9%	3%	2%	21%	5%	4%
4x Overexpression	1.5 - 4 hr	14%	2%	2%	8%	1%	0%	10%	2%	2%
	4 - 6.5 hr	42%	9%	6%	30%	6%	3%	32%	6%	3%
	6.5 - 9 hr	22%	5%	5%	9%	3%	2%	20%	4%	4%

Fig. 2-22

