

A549 FOSL2 post-IDR peak calls

#DataSet:	Regions	32943	34830	35009	15321	23894
2018-10-02-A549-eGFP-FOSL2-ChIP.MACS2.IDR-0.05	32943	1.00	0.85	0.67	0.38	0.53
2018-10-02-A549-eGFP-FOSL2-ChIP.SPP.IDR_0.05	34830	0.86	1.00	0.70	0.39	0.56
2018-11-09-SCGPM_CUT-RUN-test3_A549-FOSL2-GFP.MACS2.IDR-0.05	35009	0.62	0.63	1.00	0.42	0.65
2018-11-09-SCGPM_CUT-RUN-test3_A549-FOSL2-GFP.maxFL120bp.MACS2.IDR-0.05	15321	0.85	0.84	1.00	1.00	0.84
2018-11-09-SCGPM_CUT-RUN-test3_A549-FOSL2-GFP.minFL150bp.MACS2.IDR-0.05	23894	0.72	0.74	0.95	0.54	1.00

Overlap with CHIP-seq peaks and CTCF motifs:

MACS2 calls

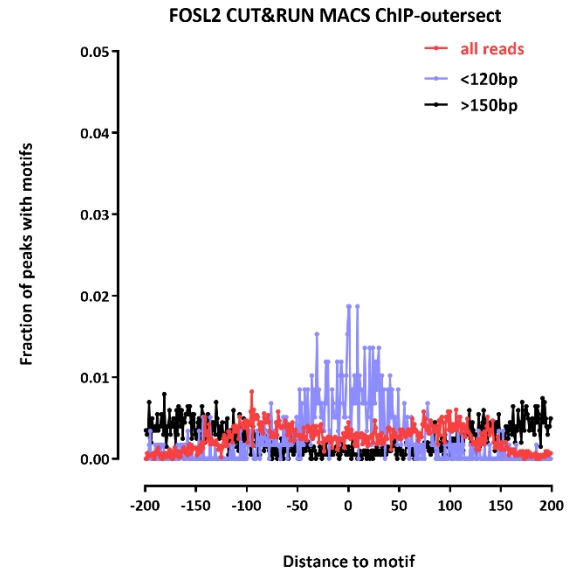
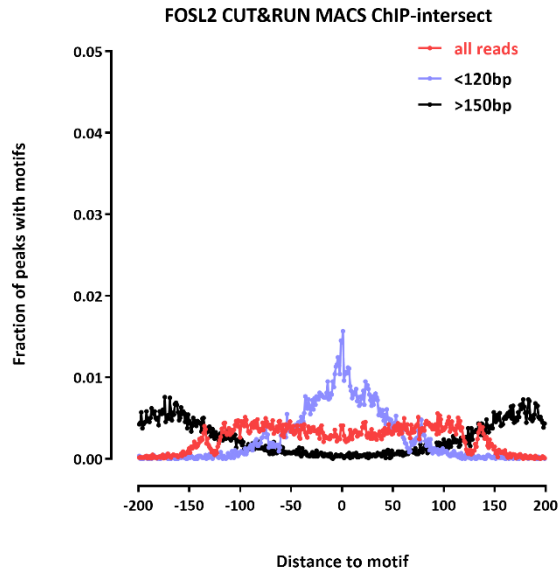
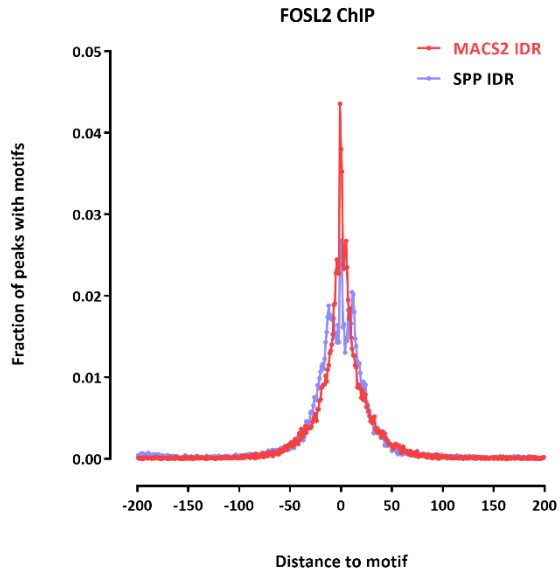
	number peaks			
	ChIP peak		no ChIP peak	
	motif	no motif	motif	no motif
A549-FOSL2-HA-ENCF374ZCG	18,729	14,625	0	0
A549-eGFP-FOSL2-Snyder-IDR	22,880	11,950	0	0
CUT&RUN-1uL	14,147	8,243	6,345	14,540
CUT&RUN-1uL.maxFL120bp	11,350	8,977	3,963	19,271
CUT&RUN-1uL.minFL150bp	11,751	7,006	3,666	8,614
CUT&RUN-0.25uL	11,459	6,472	3,006	7,586
CUT&RUN-0.25uL.maxFL120bp	9,968	7,504	2,620	10,830
CUT&RUN-0.25uL.minFL150bp	8,088	5,042	1,315	3,805
CUT&RUN-0.5uL	12,472	7,088	4,131	10,231
CUT&RUN-0.5uL.maxFL120bp	11,619	8,328	4,192	16,649
CUT&RUN-0.5uL.minFL150bp	8,542	5,389	1,538	4,398

	fraction					
	ChIP peak	no ChIP peak	ChIP peak		no ChIP peak	
			motif	no motif	motif	no motif
A549-FOSL2-HA-ENCF374ZCG	1.00	0.00	0.56	0.44	n/a	n/a
A549-eGFP-FOSL2-Snyder-IDR	1.00	0.00	0.66	0.34	n/a	n/a
TAGGC	0.52	0.48	0.63	0.37	0.30	0.70
TTAGGC.maxFL120bp	0.47	0.53	0.56	0.44	0.17	0.83
TTAGGC.minFL150bp	0.60	0.40	0.63	0.37	0.30	0.70
	0.63	0.37	0.64	0.36	0.28	0.72
	0.57	0.43	0.57	0.43	0.19	0.81
	0.72	0.28	0.62	0.38	0.26	0.74
	0.58	0.42	0.64	0.36	0.29	0.71
	0.49	0.51	0.58	0.42	0.20	0.80
	0.70	0.30	0.61	0.39	0.26	0.74

post-IDR calls

post-IDR											
		number peaks				fraction					
		ChIP peak		no ChIP peak		ChIP peak	no ChIP peak	ChIP peak		no ChIP peak	
		motif	no motif	motif	no motif			motif	no motif	motif	no motif
vs-MACS- IDR-ChIP	A549-eGFP-FOSL2-Snyder-IDR-MACS	24,321	8,622	0	0	1.00	0.00	0.74	0.26	n/a	n/a
	A549-eGFP-FOSL2-Snyder-IDR-SPP	22,880	11,950	0	0	1.00	0.00	0.66	0.34	n/a	n/a
vs-SPP- IDR-ChIP	CUT&RUN-all_reads-IDR-MACS	15,652	6,184	4,823	8,350	0.62	0.38	0.72	0.28	0.37	0.63
	CUT&RUN.maxFL120bp-IDR-MACS	8,969	4,002	593	1,757	0.85	0.15	0.69	0.31	0.25	0.75
	CUT&RUN.minFL150bp-IDR-MACS	11,978	5,317	2,352	4,247	0.72	0.28	0.69	0.31	0.36	0.64
	CUT&RUN-all_reads-IDR-MACS	15,558	6,614	4,917	7,920	0.63	0.37	0.70	0.30	0.38	0.62
	CUT&RUN.maxFL120bp-IDR-MACS	8,934	4,004	628	1,755	0.84	0.16	0.69	0.31	0.26	0.74
	CUT&RUN.minFL150bp-IDR-MACS	11,942	5,665	2,388	3,899	0.74	0.26	0.68	0.32	0.38	0.62

Distance to motif



A549 CTCF post-IDR peak calls

	#DataSet:			
	2018-09-05-SCGPM_CUT-RUN-test1-CTCF.MACS2.IDR-0.05	2018-09-05-SCGPM_CUT-RUN-test1-CTCF.maxFL120bp.MACS2.IDR-0.05	2018-09-05-SCGPM_CUT-RUN-test1-CTCF.minFL150bp.MACS2.IDR-0.05	A549-CTCF-Snyder-ENCFF543VGD
Regions	48243	22862	40514	46775
2018-09-05-SCGPM_CUT-RUN-test1-CTCF.MACS2.IDR-0.05	1.00	0.47	0.83	0.73
2018-09-05-SCGPM_CUT-RUN-test1-CTCF.maxFL120bp.MACS2.IDR-0.05	1.00	1.00	0.94	0.91
2018-09-05-SCGPM_CUT-RUN-test1-CTCF.minFL150bp.MACS2.IDR-0.05	0.99	0.52	1.00	0.80
A549-CTCF-Snyder-ENCFF543VGD	0.77	0.45	0.71	1.00

A549 CTCF post-IDR peak calls

MACS2 calls

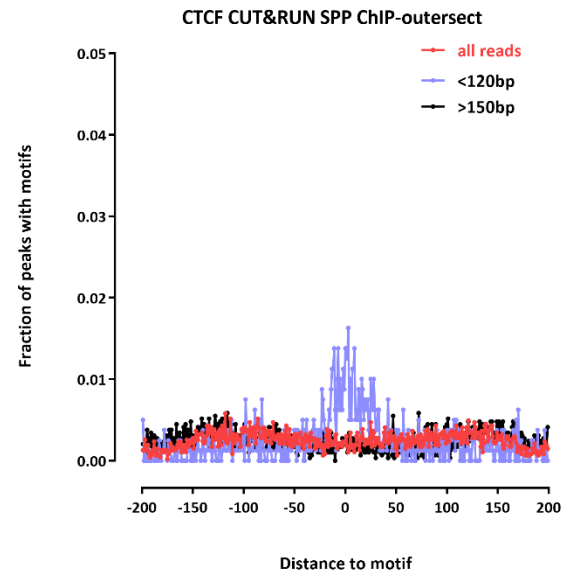
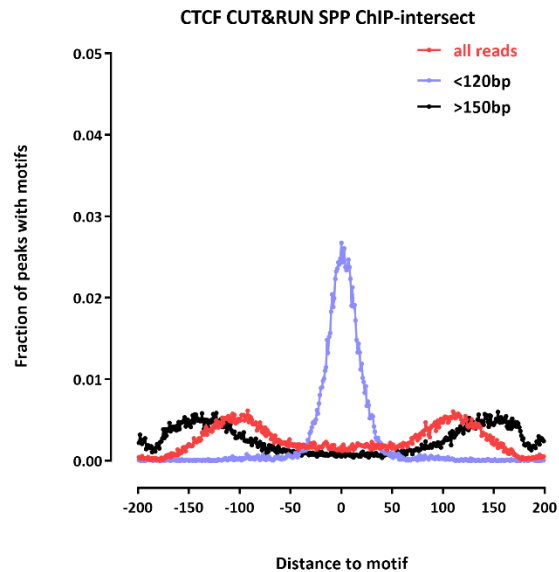
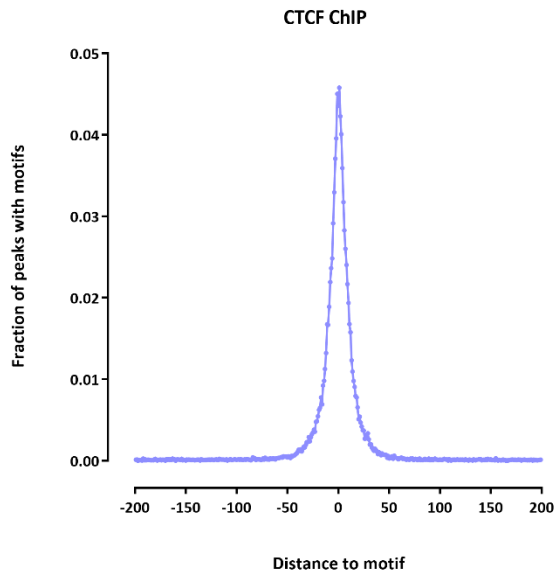
	number peaks			
	ChIP peak		no ChIP peak	
	motif	no motif	motif	no motif
ENCODE A549 CTCF	39,669	7,106	0	0
ACTTGA	29,650	5,376	5,325	13,168
ACTTGA.maxFL120bp	20,710	3,098	2,048	11,643
ACTTGA.minFL150bp	24,321	5,645	3,276	7,349
TTAGGC	28,644	4,318	4,283	8,360
TTAGGC.maxFL120bp	18,679	2,822	1,770	9,450
TTAGGC.minFL150bp	23,663	4,791	2,796	5,029

	fraction					
	ChIP peak		no ChIP peak		fraction	
	ChIP peak	no ChIP peak	ChIP peak		no ChIP peak	
	motif	no motif	motif	no motif	motif	no motif
ENCODE A549 CTCF	1.00	0.00	0.85	0.15	n/a	n/a
ACTTGA	0.65	0.35	0.85	0.15	0.29	0.71
ACTTGA.maxFL120bp	0.63	0.37	0.87	0.13	0.15	0.85
ACTTGA.minFL150bp	0.74	0.26	0.81	0.19	0.31	0.69
TTAGGC	0.72	0.28	0.87	0.13	0.34	0.66
TTAGGC.maxFL120bp	0.66	0.34	0.87	0.13	0.16	0.84
TTAGGC.minFL150bp	0.78	0.22	0.83	0.17	0.36	0.64

post-IDR calls

post-IDR						
	number peaks				fraction	
	ChIP peak		no ChIP peak		fraction	
	motif	no motif	motif	no motif	ChIP peak	no ChIP peak
	motif	no motif	motif	no motif	motif	no motif
SPP A549 CTCF ENCODE	39,669	7,106	0	0	1.00	0.00
CUT&RUN-all_reads-IDR-MACS	31,360	3,672	5,530	7,681	0.85	0.15
CUT&RUN.maxFL120bp-IDR-MACS	18,729	2,053	718	1,362	0.90	0.10
CUT&RUN.minFL150bp-IDR-MACS	28,009	4,307	3,452	4,746	0.42	0.58

Distance to motif



K562 GATA1 post-IDR peak calls

	#DataSet:	2018-10-08-NF_Gata1_250.MACS2.IDR-0.05	2018-10-08-NF_Gata1_250.maxFL120bp.MACS2.IDR-0.05	2018-10-08-NF_Gata1_250.minFL120bp.MACS2.IDR-0.05	K562-GATA1-Snyder-ENCFF632NQI
	Regions	11221	3531	4270	14605
2018-10-08-NF_Gata1_250.MACS2.IDR-0.05	11221	1.00	0.31	0.36	0.39
2018-10-08-NF_Gata1_250.maxFL120bp.MACS2.IDR-0.05	3531	0.98	1.00	0.43	0.53
2018-10-08-NF_Gata1_250.minFL120bp.MACS2.IDR-0.05	4270	0.95	0.36	1.00	0.40
K562-GATA1-Snyder-ENCFF632NQI	14605	0.31	0.13	0.13	1.00

K562 GATA1 post-IDR peak calls

MACS2 calls

	number peaks			
	ChIP peak		no ChIP peak	
	motif	no motif	motif	no motif
ENCODE K562 GATA1	6,328	8,277		
Fixated_Gata1_250_a	0	2	0	6
NF_Gata1_250_a	1,108	1,738	518	5,873
NF_Gata1_250_b	1,123	1,631	467	4,910

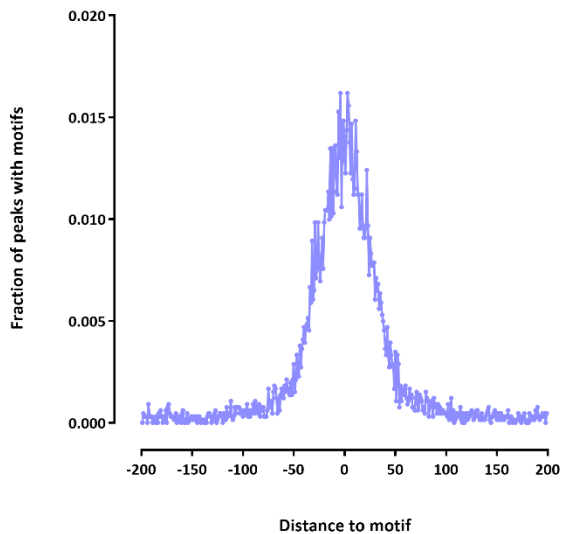
	ChIP peak		no ChIP peak		fraction			
					ChIP peak		no ChIP peak	
	motif	no motif	motif	no motif	motif	no motif	motif	no motif
ENCODE K562 GATA1	1.00	0.00	0.43	0.57	n/a	n/a		
Fixated_Gata1_250_a	0.25	0.75	0.00	1.00	0.00	1.00		
NF_Gata1_250_a	0.31	0.69	0.39	0.61	0.08	0.92		
NF_Gata1_250_b	0.34	0.66	0.41	0.59	0.09	0.91		

post-IDR calls

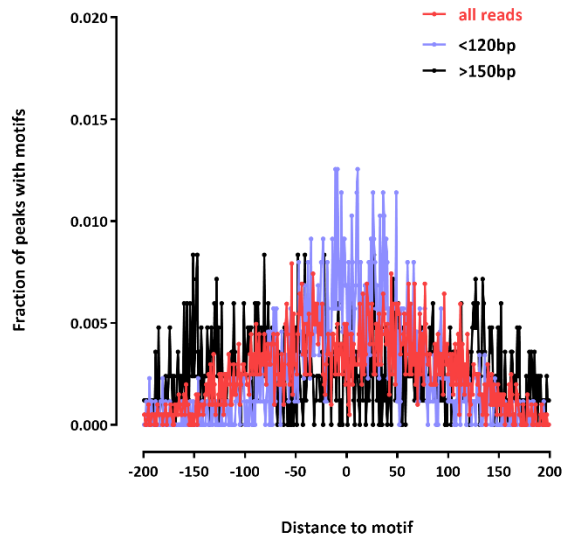
	number peaks				fraction					
	ChIP peak		no ChIP peak		ChIP peak		no ChIP peak			
	motif	no motif	motif	no motif	motif	no motif	motif	no motif		
ENCODE K562 GATA1	6,328	8,277	0	0	1.00	0.00	0.43	0.57	n/a	n/a
CUT&RUN-all_reads-IDR-MACS	2,137	2,192	1,130	5,762	0.39	0.61	0.49	0.51	0.16	0.84
CUT&RUN.maxFL120bp-IDR-MACS	939	934	216	1,442	0.53	0.47	0.50	0.50	0.13	0.87
CUT&RUN.minFL150bp-IDR-MACS	917	799	455	2,099	0.40	0.60	0.53	0.47	0.18	0.82

Distance to motif

GATA1 ChIP



GATA1 CUT&RUN SPP ChIP-intersect



GATA1 CUT&RUN SPP ChIP-outersect

