PhD Lab Book

Richard Gunning

September 4, 2015

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1	ChIF	P-seq		 	 											•	!
		Q-value 0.1															
	1.2	O-value 0.05]

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Thursday 3rd September 2015

- 1 ChIP-seq Analysis
- 1.1 Q-value 0.1
- 1.2 Q-value 0.05

ChIP-seq run on H3K4me3, H3K36me3, H3K9me3, H4K20me3 and H3K27me3 previous run used q 0.1 trying more stringent p-value cutoff at Marcela's suggestion (0.05)

Table 1: My caption

SummaryState						TrimGalore (count no. pairs)						Bowtie (count no. pairs)			Bowtie Inp (count no. pairs)			Duplication (%)		fragmentMark	MACS2		
	Name	Reads lane 1 (read1+2)	Reads lane 2 (read1+2)				Sum Control (read1+2)	Sequences IN	Input Sequences IN		Inp Sequences removed	output	lap output				Aligned 1		no align				gapped peaks
BM_B4M_C	BM_B4M_C	28202962	28200549	30317772	30333573	56403411	60651345	27897066	29991634	367267	386674	27529799	29604960	23063509	3163580	702710	19766339	7308908	2529693	35.0076	9.94477	229	30444
		31241838	31313656	30317772	30333573	62535494	60651345	30908663	29991634	282259	386674	30626404		16402581			19766359			24.2013	9.94477		1624
	BM B 20M C		31196598	30317772	30333573	62329279	60651345	30772293	29991634	298736	386674	30473557		14775060			19766339			29.7971	9.94477		2981
BM_B_36M_C	BM.B.36M.C	30388039	30461489	30317772	30333573	60849528	60651345	30145321	29991634	390777	386674	29754544	29604960	25103323	3515507	1135714	19766339	7308908	2529693	13.858	9.94477	265	30308
	BM.T.4M.C	27762857	27702621	30756274	30809395	55465478	61565660	27434936	30462955	412440	330439	27022496	30132516	23894470	1987461		20968396			26.3626	10.8675		31088
BM,T,9M,C	BM T 9M C	32382068	32456241	30756274	30809395	64838309	61565669	32042368	30462955	327514	330439	31714854	30132516	16600198	14125583	989073	20968396	7750489	1413631	24.1613	10.8675	262	5992
BM,T,20M,C	BM,T,20M,C	28755155	28809830	30756274	30809395	57564985	61565669	28436946	30462955	333430	330439	28103516	30132516	14293461	12740593	1069462	20968396	7750489	1413631	26.6556	10.8675	258	1526
	BM.T.36M.C		31187760	30756274	30809395	62321896	61565660	30887235	30462955	314562	330439	30572673	30132516				20968396			10.5808	10.8675		35408
	CM_B27M_165		32989600	28464705	28515344	65910639	50980049	32070484	27694988	429925	358675	31640559		20268511			17714863			15.8757	10.3639		241
BM_B_4M_R	BM,B,4M,R	32680168	33315080	39665060	40404536	65995248	80073596	32997624	40036798	1565379	1215827	31428245	38820971	23478917	7389307	560021	27705200	10088105	1027066	11.9968	11.4906	351	19891
			30099144	39665060	40404536	71451870	80073596	35725935	40036798	1205012	1215827	34520923		17897812			27705200			28.2937	11.4906		223
	BM_B_20M_R		38817802	39665060	40404536	77071574	80073596	38535787	40036798	1455729	1215827	37080058		19795846			27705200			27.7542	11.4906		216
	BM_B_86M_R	38678536	39400440	39665060	40404536	78079376	80073596	39039688	40036798	1520306	1215827	37519382		28026587			27705200			11.0483	11.4906		24554
		34083966	34650946	34327008	34812722	68734912	69139730	34367456	34569865	2626671	1029196	31740785		27800864			24207031			4.82584	8.99572		23697
		34333204	35002596	34327008	34812722	65035800	69139730	34067900	34569865	1169942	1029196	33497958		16825556			24207031			27.1353	8.99572		2393
			34797996	34327008	34812722	68877750	69139730	34438875	34569865	1292172	1029196	33146703	33540669	16142215	15982495		24207031			30.0053	8.99572		2889
BM T 36M R	BM T 36M R	35649276	36348442	34327008	34812722	71997718	69139730	33098839	34569865	1390336	1029196	34608523	33540669	27515881	6428288	664354	24207031	8272893	1060745	9.39321	8.99572	327	24976