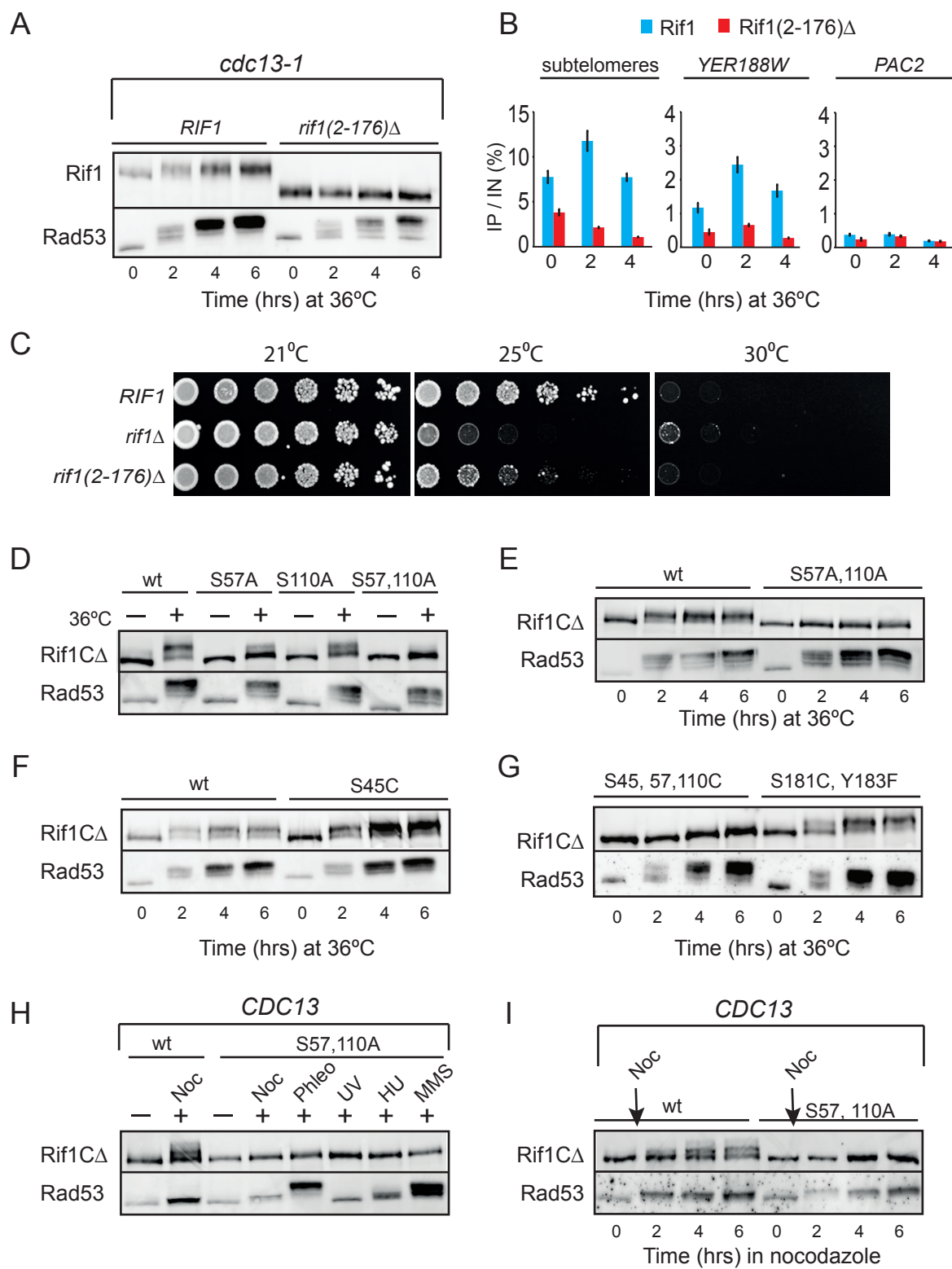
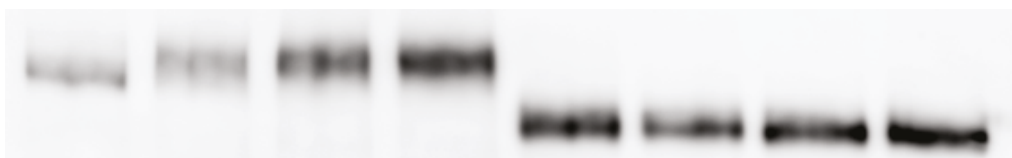




Robertson, Figure 2

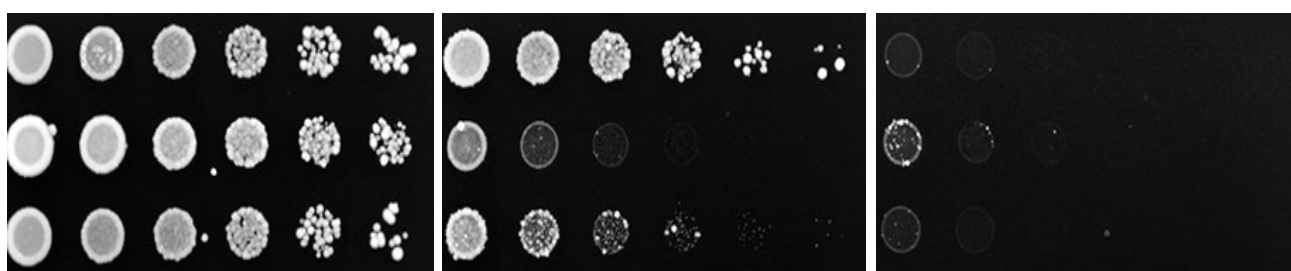
A



A



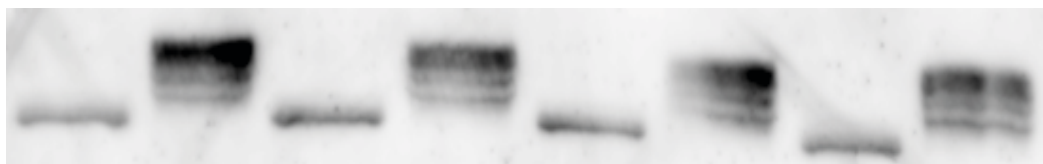
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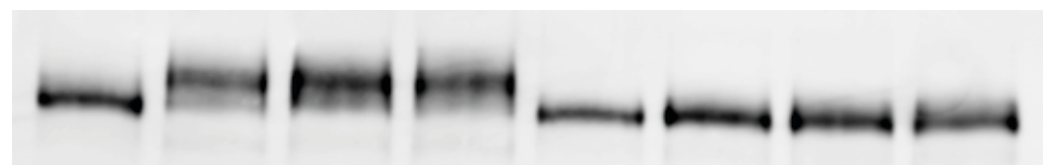
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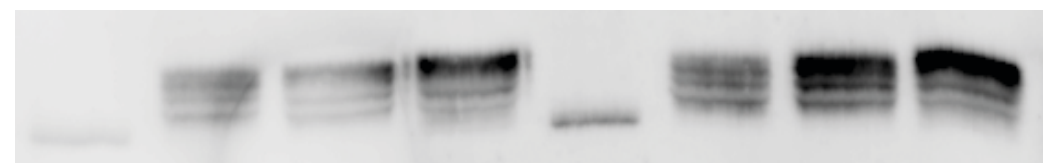
D



E



E



F



F



G



G



H



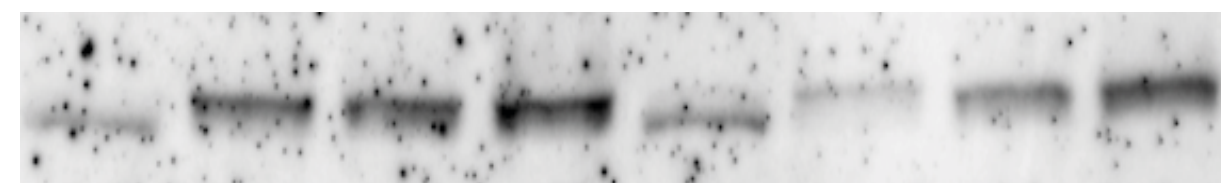
H



I

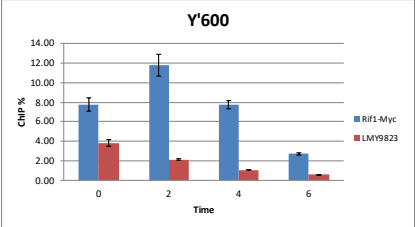


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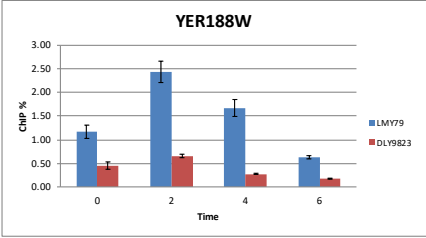


Block Type 96well
Chemistry TAQMAN
Experiment C:\Documents and Settings\Administrator\Desktop\Cameron\Data\79 9823 Rif1 ChIP Y'600 9-8-17.eds
Experiment 2017-08-09 16:29:02 PM BST
Instrument steponeplus
Passive Re

Well	Sample Na	Target Nan	Task	Reporter	Quencher	Cr	Cr Mean	Cr SD	Quantity	Average	ChIP %	Range	St dev	Relevant genotype
A1		Target 1	UNKNOWN FAM	TAMRA		17.4226	20.28475	2.950145	7.752022					
A2		Target 1	UNKNOWN FAM	TAMRA		17.17381	20.28475	2.950145	9.136942					
A3		Target 1	UNKNOWN FAM	TAMRA		17.21882	20.28475	2.950145	8.869254	8.59				
A4		Target 1	UNKNOWN FAM	TAMRA		17.35631	20.28475	2.950145	8.099095					
A5		Target 1	UNKNOWN FAM	TAMRA		17.35514	20.28475	2.950145	8.105333					
A6		Target 1	UNKNOWN FAM	TAMRA		17.19874	20.28475	2.950145	8.987697	8.40				
A7		Target 1	UNKNOWN FAM	TAMRA		17.60354	20.28475	2.950145	6.878563					
A8		Target 1	UNKNOWN FAM	TAMRA		17.40766	20.28475	2.950145	7.828901					
A9		Target 1	UNKNOWN FAM	TAMRA		17.77312	20.28475	2.950145	6.149458	6.95				
A10		Target 1	UNKNOWN FAM	TAMRA		17.69594	20.28475	2.950145	6.471186					
A11		Target 1	UNKNOWN FAM	TAMRA		17.66852	20.28475	2.950145	6.58948					
A12		Target 1	UNKNOWN FAM	TAMRA		17.71016	20.28475	2.950145	6.410676	6.49				
B1		Target 1	UNKNOWN FAM	TAMRA		21.2805	20.28475	2.950145	0.605961				7.06	
B2		Target 1	UNKNOWN FAM	TAMRA		21.12697	20.28475	2.950145	0.670652				7.81	
B3		Target 1	UNKNOWN FAM	TAMRA		21.01593	20.28475	2.950145	0.721703	0.67	7.76		8.41	0.68 T0 Rif1-Myc
B4		Target 1	UNKNOWN FAM	TAMRA		20.67272	20.28475	2.950145	0.905398				10.78	
B5		Target 1	UNKNOWN FAM	TAMRA		20.56699	20.28475	2.950145	0.970908				11.56	
B6		Target 1	UNKNOWN FAM	TAMRA		20.39235	20.28475	2.950145	1.089647	0.99	11.77		12.98	1.11 T2 Rif1-Myc
B7		Target 1	UNKNOWN FAM	TAMRA		21.39497	20.28475	2.950145	0.561823				8.08	
B8		Target 1	UNKNOWN FAM	TAMRA		21.44267	20.28475	2.950145	0.544394				7.83	
B9		Target 1	UNKNOWN FAM	TAMRA		21.55573	20.28475	2.950145	0.50521	0.54	7.73		7.27	0.42 T4 Rif1-Myc
B10		Target 1	UNKNOWN FAM	TAMRA		23.08975	20.28475	2.950145	0.183361				2.83	
B11		Target 1	UNKNOWN FAM	TAMRA		23.1747	20.28475	2.950145	0.173353				2.67	
B12		Target 1	UNKNOWN FAM	TAMRA		23.20852	20.28475	2.950145	0.169522	0.18	2.70		2.61	0.11 T6 Rif1-Myc
C1		Target 1	UNKNOWN FAM	TAMRA		17.35612	20.28475	2.950145	8.100075					
C2		Target 1	UNKNOWN FAM	TAMRA		17.30986	20.28475	2.950145	8.35147					
C3		Target 1	UNKNOWN FAM	TAMRA		17.27961	20.28475	2.950145	8.520097	8.32				
C4		Target 1	UNKNOWN FAM	TAMRA		18.01014	20.28475	2.950145	5.258087					
C5		Target 1	UNKNOWN FAM	TAMRA		17.9529	20.28475	2.950145	5.460751					
C6		Target 1	UNKNOWN FAM	TAMRA		17.93443	20.28475	2.950145	5.52782	5.42				
C7		Target 1	UNKNOWN FAM	TAMRA		18.01398	20.28475	2.950145	5.244771					
C8		Target 1	UNKNOWN FAM	TAMRA		17.91229	20.28475	2.950145	5.609269					
C9		Target 1	UNKNOWN FAM	TAMRA		17.99296	20.28475	2.950145	5.318121	5.39				
C10		Target 1	UNKNOWN FAM	TAMRA		18.1495	20.28475	2.950145	4.795594					
C11		Target 1	UNKNOWN FAM	TAMRA		18.26174	20.28475	2.950145	4.452837					
C12		Target 1	UNKNOWN FAM	TAMRA		18.22515	20.28475	2.950145	4.561791	4.60				
D1		Target 1	UNKNOWN FAM	TAMRA		22.14176	20.28475	2.950145	0.34302				4.12	
D2		Target 1	UNKNOWN FAM	TAMRA		22.22581	20.28475	2.950145	0.324491				3.90	
D3		Target 1	UNKNOWN FAM	TAMRA		22.40448	20.28475	2.950145	0.288359	0.32	3.83		3.46	0.33 T0 Rif1Δ2-176
D4		Target 1	UNKNOWN FAM	TAMRA		23.72465	20.28475	2.950145	0.12054				2.23	
D5		Target 1	UNKNOWN FAM	TAMRA		23.83082	20.28475	2.950145	0.112374				2.08	
D6		Target 1	UNKNOWN FAM	TAMRA		23.79812	20.28475	2.950145	0.114828	0.12	2.14		2.12	0.08 T2 Rif1Δ2-176
D7		Target 1	UNKNOWN FAM	TAMRA		24.8537	20.28475	2.950145	0.05717				1.06	
D8		Target 1	UNKNOWN FAM	TAMRA		24.78962	20.28475	2.950145	0.059642				1.11	
D9		Target 1	UNKNOWN FAM	TAMRA		24.82338	20.28475	2.950145	0.058327	0.06	1.08		1.08	0.02 T4 Rif1Δ2-176
D10		Target 1	UNKNOWN FAM	TAMRA		26.14609	20.28475	2.950145	0.024341				0.53	
D11		Target 1	UNKNOWN FAM	TAMRA		26.00051	20.28475	2.950145	0.026798				0.58	
D12		Target 1	UNKNOWN FAM	TAMRA		26.02441	20.28475	2.950145	0.026378	0.03	0.56		0.57	0.03 T6 Rif1Δ2-176
E1		Target 1	STANDARI FAM	TAMRA		17.13253	17.13077	0.015653	10					
E2		Target 1	STANDARI FAM	TAMRA		17.14547	17.13077	0.015653	10					
E3		Target 1	STANDARI FAM	TAMRA		17.11431	17.13077	0.015653	10					
E4		Target 1	STANDARI FAM	TAMRA		19.35891	19.31413	0.055995	2					
E5		Target 1	STANDARI FAM	TAMRA		19.25135	19.31413	0.055995	2					
E6		Target 1	STANDARI FAM	TAMRA		19.33214	19.31413	0.055995	2					
E7		Target 1	STANDARI FAM	TAMRA		23.07927	23.02384	0.062587	0.2					
E8		Target 1	STANDARI FAM	TAMRA		23.03628	23.02384	0.062587	0.2					
E9		Target 1	STANDARI FAM	TAMRA		22.95596	23.02384	0.062587	0.2					
E10		Target 1	NTC	FAM	TAMRA	37.11538								
E11		Target 1	NTC	FAM	TAMRA	38.76321								
E12		Target 1	NTC	FAM	TAMRA	36.51504								



Well	Sample Na	Target	Nan	Task	Reporter	Quencher	Cr	Cr Mean	Cr SD	Quantity	Average	ChIP %	Range	St dev	Relevant genotype
A1		Target 1		UNKNOWN FAM	TAMRA	21.74689	25.90475	4.061028	5.683062						
A2		Target 1		UNKNOWN FAM	TAMRA	21.80792	25.90475	4.061028	5.463387						
A3		Target 1		UNKNOWN FAM	TAMRA	21.81063	25.90475	4.061028	5.453824			5.53			
A4		Target 1		UNKNOWN FAM	TAMRA	21.87356	25.90475	4.061028	5.236561						
A5		Target 1		UNKNOWN FAM	TAMRA	21.63487	25.90475	4.061028	6.109563						
A6		Target 1		UNKNOWN FAM	TAMRA	21.56177	25.90475	4.061028	6.040955			5.92			
A7		Target 1		UNKNOWN FAM	TAMRA	22.03296	25.90475	4.061028	4.724182						
A8		Target 1		UNKNOWN FAM	TAMRA	22.02447	25.90475	4.061028	4.750173						
A9		Target 1		UNKNOWN FAM	TAMRA	22.14688	25.90475	4.061028	4.389025			4.62			
A10		Target 1		UNKNOWN FAM	TAMRA	22.4129	25.90475	4.061028	3.696044						
A11		Target 1		UNKNOWN FAM	TAMRA	22.40984	25.90475	4.061028	3.703356						
A12		Target 1		UNKNOWN FAM	TAMRA	22.37387	25.90475	4.061028	3.790416			3.73			
B1		Target 1		UNKNOWN FAM	TAMRA	28.89121	25.90475	4.061028	0.056271					1.02	
B2		Target 1		UNKNOWN FAM	TAMRA	28.51525	25.90475	4.061028	0.071739					1.30	
B3		Target 1		UNKNOWN FAM	TAMRA	28.64536	25.90475	4.061028	0.065956			0.06	1.17	1.19	0.14 T0 Rif1-Myc
B4		Target 1		UNKNOWN FAM	TAMRA	27.60595	25.90475	4.061028	0.12908					2.18	
B5		Target 1		UNKNOWN FAM	TAMRA	27.32682	25.90475	4.061028	0.154584					2.61	
B6		Target 1		UNKNOWN FAM	TAMRA	27.36231	25.90475	4.061028	0.149161			0.14	2.44	2.52	0.23 T2 Rif1-Myc
B7		Target 1		UNKNOWN FAM	TAMRA	28.22963	25.90475	4.061028	0.086275					1.87	
B8		Target 1		UNKNOWN FAM	TAMRA	28.55495	25.90475	4.061028	0.069923					1.51	
B9		Target 1		UNKNOWN FAM	TAMRA	28.43395	25.90475	4.061028	0.075608			0.08	1.67	1.64	0.18 T4 Rif-1 Myc
B10		Target 1		UNKNOWN FAM	TAMRA	30.21503	25.90475	4.061028	0.023927					0.64	
B11		Target 1		UNKNOWN FAM	TAMRA	30.18951	25.90475	4.061028	0.024325					0.65	
B12		Target 1		UNKNOWN FAM	TAMRA	30.3493	25.90475	4.061028	0.021939			0.02	0.63	0.59	0.03 T6 Rif1-Myc
C1		Target 1		UNKNOWN FAM	TAMRA	21.47249	25.90475	4.061028	6.785212						
C2		Target 1		UNKNOWN FAM	TAMRA	21.31958	25.90475	4.061028	7.489668						
C3		Target 1		UNKNOWN FAM	TAMRA	21.5297	25.90475	4.061028	6.539028			6.94			
C4		Target 1		UNKNOWN FAM	TAMRA	22.38485	25.90475	4.061028	3.763638						
C5		Target 1		UNKNOWN FAM	TAMRA	22.24487	25.90475	4.061028	4.119798						
C6		Target 1		UNKNOWN FAM	TAMRA	22.11241	25.90475	4.061028	4.48786			4.12			
C7		Target 1		UNKNOWN FAM	TAMRA	22.21377	25.90475	4.061028	4.203414						
C8		Target 1		UNKNOWN FAM	TAMRA	22.08131	25.90475	4.061028	4.578908						
C9		Target 1		UNKNOWN FAM	TAMRA	22.20862	25.90475	4.061028	4.217432			4.33			
C10		Target 1		UNKNOWN FAM	TAMRA	22.45622	25.90475	4.061028	3.594058						
C11		Target 1		UNKNOWN FAM	TAMRA	22.44388	25.90475	4.061028	3.622806						
C12		Target 1		UNKNOWN FAM	TAMRA	22.4949	25.90475	4.061028	3.505353			3.57			
D1		Target 1		UNKNOWN FAM	TAMRA	29.63547	25.90475	4.061028	0.034793					0.50	
D2		Target 1		UNKNOWN FAM	TAMRA	29.67552	25.90475	4.061028	0.033904					0.49	
D3		Target 1		UNKNOWN FAM	TAMRA	30.13714	25.90475	4.061028	0.025162			0.03	0.45	0.36	0.08 T0 Rif1Δ2-176
D4		Target 1		UNKNOWN FAM	TAMRA	30.12513	25.90475	4.061028	0.025358					0.61	
D5		Target 1		UNKNOWN FAM	TAMRA	30.00448	25.90475	4.061028	0.027413					0.66	
D6		Target 1		UNKNOWN FAM	TAMRA	29.95187	25.90475	4.061028	0.028361			0.03	0.66	0.69	0.04 T2 Rif1Δ2-176
D7		Target 1		UNKNOWN FAM	TAMRA	31.36804	25.90475	4.061028	0.011361					0.28	
D8		Target 1		UNKNOWN FAM	TAMRA	31.27137	25.90475	4.061028	0.012093					0.28	
D9		Target 1		UNKNOWN FAM	TAMRA	31.22532	25.90475	4.061028	0.012458			0.01	0.28	0.29	0.01 T4 Rif1Δ2-176
D10		Target 1		UNKNOWN FAM	TAMRA	32.37348	25.90475	4.061028	0.005934					0.17	
D11		Target 1		UNKNOWN FAM	TAMRA	32.19742	25.90475	4.061028	0.006649					0.19	
D12		Target 1		UNKNOWN FAM	TAMRA	32.32468	25.90475	4.061028	0.006124			0.01	0.17	0.17	0.01 T6 Rif1Δ2-176
E1		Target 1		STANDARI FAM	TAMRA	21.14566	21.05835	0.130498	10						
E2		Target 1		STANDARI FAM	TAMRA	20.90833	21.05835	0.130498	10						
E3		Target 1		STANDARI FAM	TAMRA	21.12104	21.05835	0.130498	10						
E4		Target 1		STANDARI FAM	TAMRA	22.96222	23.04725	0.10434	2						
E5		Target 1		STANDARI FAM	TAMRA	23.01583	23.04725	0.10434	2						
E6		Target 1		STANDARI FAM	TAMRA	23.16368	23.04725	0.10434	2						
E7		Target 1		STANDARI FAM	TAMRA	27.07712	27.05834	0.026208	0.2						
E8		Target 1		STANDARI FAM	TAMRA	27.0284	27.05834	0.026208	0.2						
E9		Target 1		STANDARI FAM	TAMRA	27.06949	27.05834	0.026208	0.2						
E10		Target 1		NTC FAM	TAMRA	Undetermir									
E11		Target 1		NTC FAM	TAMRA	Undetermir									
E12		Target 1		NTC FAM	TAMRA	Undetermir									
F1															
F2															
F3															
F4															
F5															
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H12															



Block Type 96well
Chemistry TAQMAN
Experiment C:\Documents and Settings\Administrator\Desktop\Cameron\Data\79 9823 Rif1 ChIP PAC2 29-8-17. eds
Experiment 2017-08-29 13:18:42 PM BST
Instrument steponeplus
Passive Re

Well	Sample Na	Target Nan	Task	Reporter	Quencher	Cr	Cr Mean	Cr SD	Quantity	Average	ChIP %	Range	St dev	Relevant genotype
A1	Target 1	UNKNOWN	FAM	TAMRA	20.91269	25.63892	4.64793	3.538617						
A2	Target 1	UNKNOWN	FAM	TAMRA	20.8728	25.63892	4.64793	3.634282						
A3	Target 1	UNKNOWN	FAM	TAMRA	20.92695	25.63892	4.64793	3.505015	3.56					
A4	Target 1	UNKNOWN	FAM	TAMRA	21.18692	25.63892	4.64793	2.945608						
A5	Target 1	UNKNOWN	FAM	TAMRA	20.87015	25.63892	4.64793	3.640742						
A6	Target 1	UNKNOWN	FAM	TAMRA	20.77668	25.63892	4.64793	3.875621	3.49					
A7	Target 1	UNKNOWN	FAM	TAMRA	21.02915	25.63892	4.64793	3.273435						
A8	Target 1	UNKNOWN	FAM	TAMRA	20.97657	25.63892	4.64793	3.360595						
A9	Target 1	UNKNOWN	FAM	TAMRA	21.11168	25.63892	4.64793	3.097639	3.25					
A10	Target 1	UNKNOWN	FAM	TAMRA	21.2299	25.63892	4.64793	2.862135						
A11	Target 1	UNKNOWN	FAM	TAMRA	21.21391	25.63892	4.64793	2.892912						
A12	Target 1	UNKNOWN	FAM	TAMRA	20.99387	25.63892	4.64793	3.351598	3.04					
B1	Target 1	UNKNOWN	FAM	TAMRA	29.3202	25.63892	4.64793	0.012783					0.36	
B2	Target 1	UNKNOWN	FAM	TAMRA	29.24611	25.63892	4.64793	0.013433					0.38	
B3	Target 1	UNKNOWN	FAM	TAMRA	29.14414	25.63892	4.64793	0.014381	0.01	0.38			0.40	0.02 T0 Rif1-Myc
B4	Target 1	UNKNOWN	FAM	TAMRA	29.38546	25.63892	4.64793	0.012237					0.35	
B5	Target 1	UNKNOWN	FAM	TAMRA	29.13581	25.63892	4.64793	0.014461					0.41	
B6	Target 1	UNKNOWN	FAM	TAMRA	29.14746	25.63892	4.64793	0.014349	0.01	0.39			0.41	0.04 T2 Rif1-Myc
B7	Target 1	UNKNOWN	FAM	TAMRA	30.29552	25.63892	4.64793	0.006658					0.20	
B8	Target 1	UNKNOWN	FAM	TAMRA	30.32082	25.63892	4.64793	0.006546					0.20	
B9	Target 1	UNKNOWN	FAM	TAMRA	30.47593	25.63892	4.64793	0.005901	0.01	0.20			0.18	0.01 T4 Rif-1 Myc
B10	Target 1	UNKNOWN	FAM	TAMRA	31.15194	25.63892	4.64793	0.003755					0.12	
B11	Target 1	UNKNOWN	FAM	TAMRA	31.6027	25.63892	4.64793	0.002777					0.09	
B12	Target 1	UNKNOWN	FAM	TAMRA	31.28518	25.63892	4.64793	0.003434	0.00	0.11			0.11	0.02 T6 Rif1-Myc
C1	Target 1	UNKNOWN	FAM	TAMRA	20.69299	25.63892	4.64793	4.098731						
C2	Target 1	UNKNOWN	FAM	TAMRA	20.58815	25.63892	4.64793	4.396469						
C3	Target 1	UNKNOWN	FAM	TAMRA	20.74166	25.63892	4.64793	3.967464	4.15					
C4	Target 1	UNKNOWN	FAM	TAMRA	21.56903	25.63892	4.64793	2.281288						
C5	Target 1	UNKNOWN	FAM	TAMRA	21.20043	25.63892	4.64793	2.919111						
C6	Target 1	UNKNOWN	FAM	TAMRA	21.27283	25.63892	4.64793	2.781113	2.66					
C7	Target 1	UNKNOWN	FAM	TAMRA	21.24049	25.63892	4.64793	2.841924						
C8	Target 1	UNKNOWN	FAM	TAMRA	21.16246	25.63892	4.64793	2.994187						
C9	Target 1	UNKNOWN	FAM	TAMRA	21.33169	25.63892	4.64793	2.673751	2.84					
C10	Target 1	UNKNOWN	FAM	TAMRA	21.30238	25.63892	4.64793	2.726695						
C11	Target 1	UNKNOWN	FAM	TAMRA	21.32929	25.63892	4.64793	2.678059						
C12	Target 1	UNKNOWN	FAM	TAMRA	21.30243	25.63892	4.64793	2.726597	2.71					
D1	Target 1	UNKNOWN	FAM	TAMRA	29.41679	25.63892	4.64793	0.011983					0.29	
D2	Target 1	UNKNOWN	FAM	TAMRA	29.7979	25.63892	4.64793	0.009287					0.22	
D3	Target 1	UNKNOWN	FAM	TAMRA	29.86932	25.63892	4.64793	0.008854	0.01	0.24			0.21	0.04 T0 Rif1Δ2-176
D4	Target 1	UNKNOWN	FAM	TAMRA	29.96029	25.63892	4.64793	0.008331					0.31	
D5	Target 1	UNKNOWN	FAM	TAMRA	29.77069	25.63892	4.64793	0.009457					0.36	
D6	Target 1	UNKNOWN	FAM	TAMRA	29.87834	25.63892	4.64793	0.008801	0.01	0.33			0.33	0.02 T2 Rif1Δ2-176
D7	Target 1	UNKNOWN	FAM	TAMRA	30.71285	25.63892	4.64793	0.005036					0.18	
D8	Target 1	UNKNOWN	FAM	TAMRA	30.78297	25.63892	4.64793	0.004805					0.17	
D9	Target 1	UNKNOWN	FAM	TAMRA	30.55432	25.63892	4.64793	0.005599	0.01	0.18			0.20	0.01 T4 Rif1Δ2-176
D10	Target 1	UNKNOWN	FAM	TAMRA	31.35545	25.63892	4.64793	0.003277					0.12	
D11	Target 1	UNKNOWN	FAM	TAMRA	31.01393	25.63892	4.64793	0.004118					0.15	
D12	Target 1	UNKNOWN	FAM	TAMRA	31.20884	25.63892	4.64793	0.003614	0.00	0.14			0.13	0.02 T6 Rif1Δ2-176
E1	Target 1	STANDARI	FAM	TAMRA	19.28866	19.27233	0.024167	10						
E2	Target 1	STANDARI	FAM	TAMRA	19.24457	19.27233	0.024167	10						
E3	Target 1	STANDARI	FAM	TAMRA	19.28377	19.27233	0.024167	10						
E4	Target 1	STANDARI	FAM	TAMRA	21.8866	21.91377	0.034874	2						
E5	Target 1	STANDARI	FAM	TAMRA	21.90161	21.91377	0.034874	2						
E6	Target 1	STANDARI	FAM	TAMRA	21.95309	21.91377	0.034874	2						
E7	Target 1	STANDARI	FAM	TAMRA	25.16858	25.14758	0.018234	0.2						
E8	Target 1	STANDARI	FAM	TAMRA	25.13577	25.14758	0.018234	0.2						
E9	Target 1	STANDARI	FAM	TAMRA	25.13839	25.14758	0.018234	0.2						
E10	Target 1	NTC	FAM	TAMRA	Undetermin									
E11	Target 1	NTC	FAM	TAMRA	Undetermin									
E12	Target 1	NTC	FAM	TAMRA	Undetermin									
F1														
F2														
F3														
F4														
F5														
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