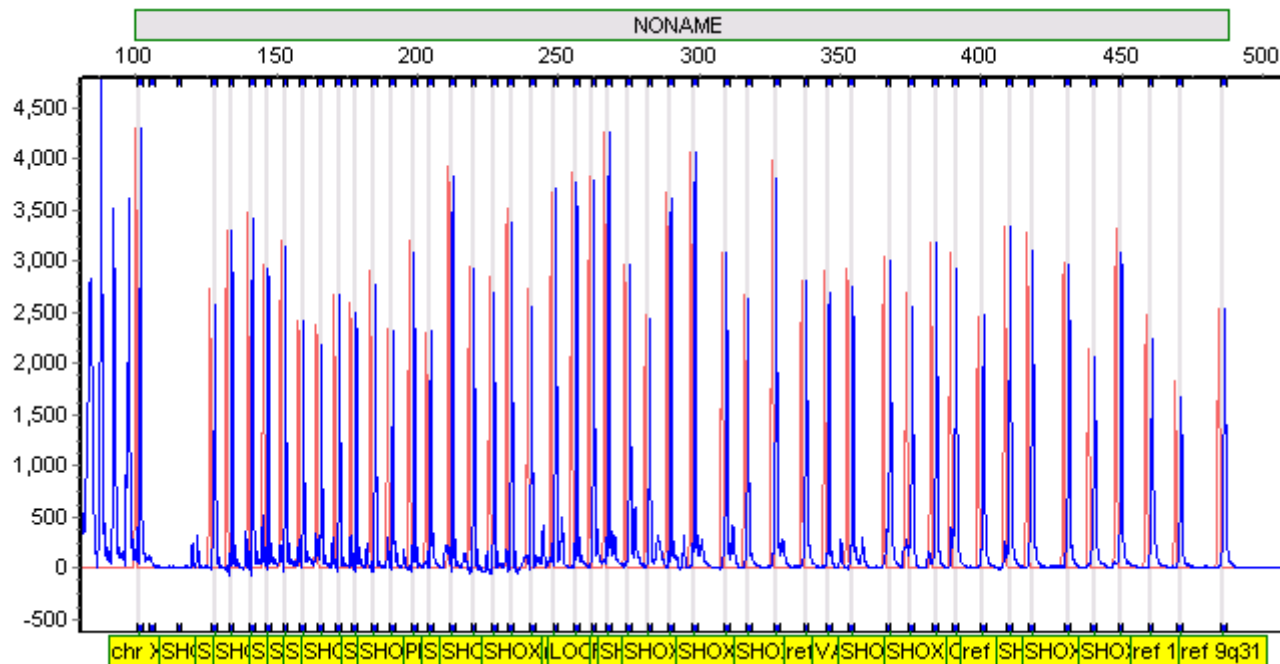


PRAM-16

MLPA Analysis Report - SoftGenetics	
Software: GeneMarker V1.60	Analysis Type: MLPA
Project: Untitled	Compare Type: MLPA Ratio
Technician:	Normalization By: Population Normalization
Report Time: 4/11/2013 - 15:6:20	Quantification By: Peak Height
Panel: P018-F1 SHOX	Classification: Loss < 0.75 <= Equivalent <= 1.30 < Gain
Control: Synthetic Control Sample	Report Value Type: Peak Ratio
Synthetic Used: Daniel-10_B04.fsa /// Daniel-14_F04.fsa /// Daniel-15_G04.fsa /// Daniel-3_C03.fsa	

Daniel-10_B04.fsa



Sample Name: Daniel-10

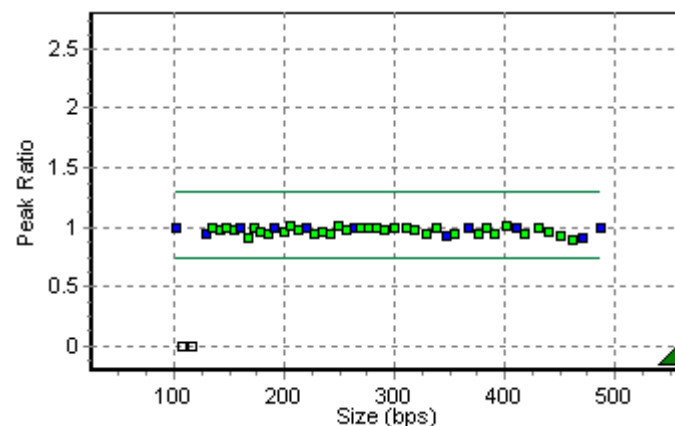
Machine: 3130xl-1206-007

Run Time: 4/11/2013 - 11:17:9 -> 4/11/2013 - 11:58:34

Statistics # Probes Mean StdDev

Control/Sample 11/35 0.98/0.97 0.03/0.03

Conclusion		
	Date	Initial
Authorization 1		
Authorization 2		

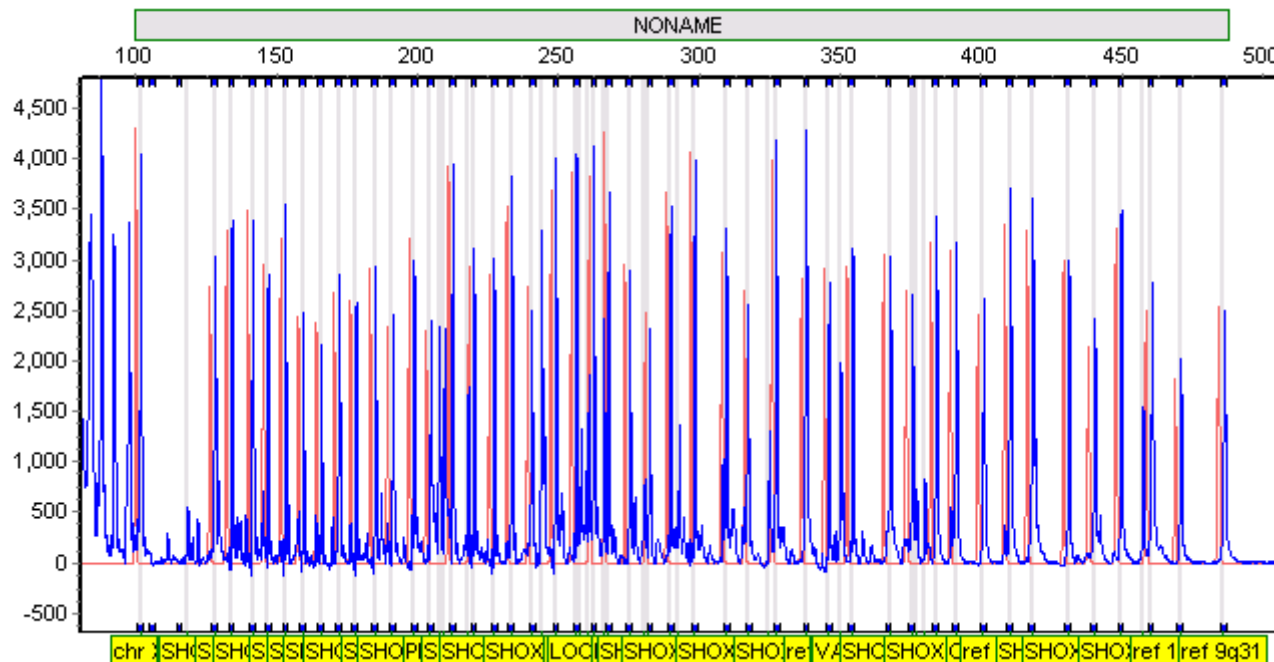


	Probe Name	Bin Size	Daniel-10_B04
1	AIFM1	418.3	0.946
2	ARSF	256.6	0.975
3	ASMT	310.0	1.001
4	CRLF2	400.9	1.009
5	CSF2RA	384.0	1.001
6	FANCB	275.5	1.001
7	IL3RA	141.7	0.983
8	KAL1	241.1	0.940
9	LOC159015	268.3	1.000
10	NLGN4X	282.8	0.990
11	PPP2R3B	212.9	0.977
12	PRKX	327.8	0.952
13	SHOX-L00702	166.0	0.913
14	SHOX-L00802	249.4	1.007
15	SHOX-L00911	233.6	0.960
16	SHOX-L05096	134.2	1.000
17	SHOX-L05099	318.0	0.985
18	SHOX-L06218	147.2	0.991
19	SHOX-L06220	205.0	1.007
20	SHOX-L06222	290.4	0.984
21	SHOX-L14642	153.4	0.980
22	SHOX-L15501	298.8	1.000
23	SHOX-L15503	391.0	0.947
24	SHOX-L15507	431.2	0.990
25	SHOX-L15510	460.5	0.899
26	SHOX-L15705	172.3	1.000
27	SHOX-L19676	338.2	1.000
28	SHOX-L19677	375.4	0.947
29	SHOX-L19679	440.1	0.965
30	SHOX-L20175	199.0	0.963
31	SHOX-L20176	178.1	0.961
32	SHOX-L20177	185.1	0.953
33	SHOX-L20178	227.5	0.943
34	VAMP7	354.4	0.939
35	ZBED1	449.8	0.931
36	chr X	101.9	1.000
37	chr Y-1	106.4	-1
38	chr Y-2	115.7	-1
39	ref 13q14	220.3	0.996
40	ref 15q21	410.3	1.000
41	ref 16p13	367.4	0.990
42	ref 16p13	470.8	0.917
43	ref 18q21	262.9	0.990
44	ref 1p22	159.6	0.996
45	ref 1q32	346.4	0.922
46	ref 4p16	191.3	0.991
47	ref 5q31	128.2	0.945
48	ref 9q31	486.3	1.004

PRAM-19

MLPA Analysis Report - SoftGenetics	
Software: GeneMarker V1.60	Analysis Type: MLPA
Project: Untitled	Compare Type: MLPA Ratio
Technician:	Normalization By: Population Normalization
Report Time: 4/11/2013 - 15:9:37	Quantification By: Peak Height
Panel: P018-F1 SHOX	Classification: Loss < 0.75 <= Equivalent <= 1.30 < Gain
Control: Synthetic Control Sample	Report Value Type: Peak Ratio
Synthetic Used: Daniel-10_B04.fsa /// Daniel-14_F04.fsa /// Daniel-15_G04.fsa /// Daniel-3_C03.fsa	

Daniel-1_A03.fsa



Sample Name: Daniel-1

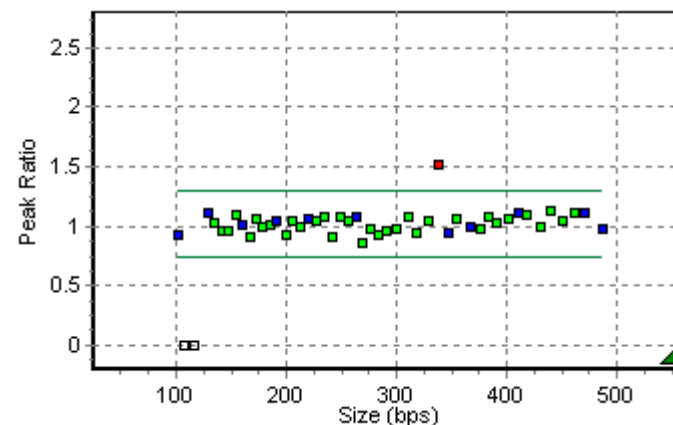
Machine: 3130xl-1206-007

Run Time: 4/11/2013 - 11:17:9 -> 4/11/2013 - 11:58:34

Statistics # Probes Mean StdDev

Control/Sample 11/35 1.04/1.03 0.06/0.11

Conclusion		
	Date	Initial
Authorization 1		
Authorization 2		

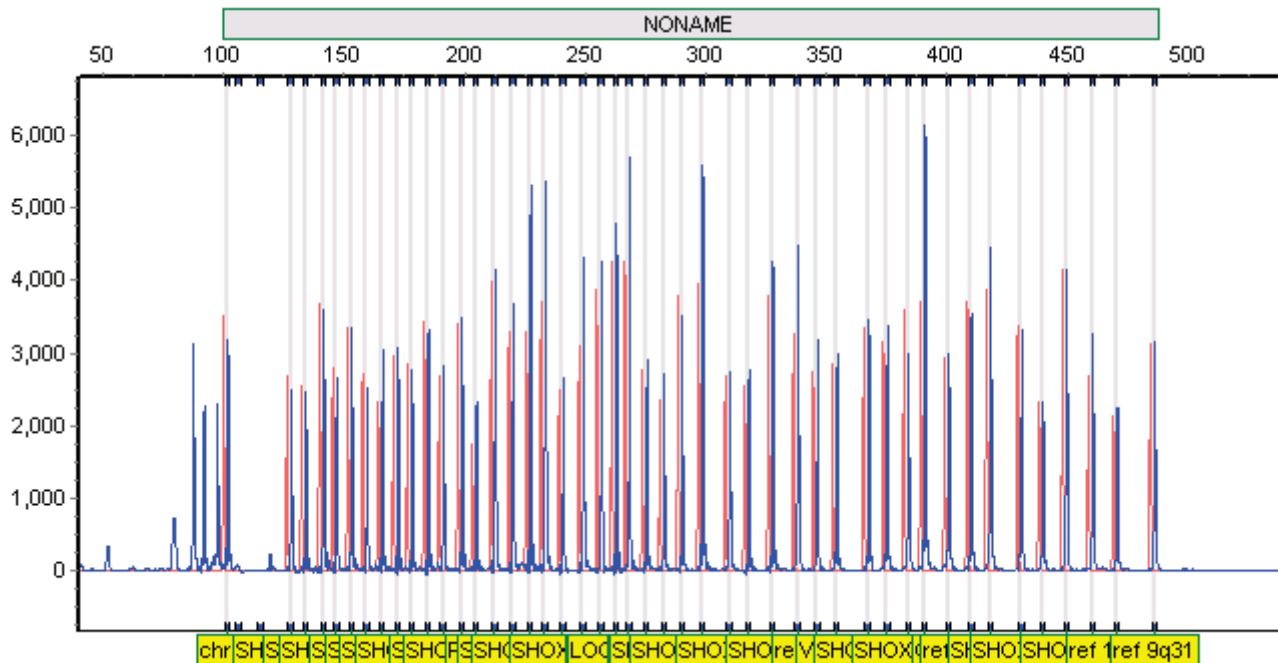


	Probe Name	Bin Size	Daniel-1_A03
1	AIFM1	418.3	1.096
2	ARSF	256.6	1.046
3	ASMT	310.0	1.077
4	CRLF2	400.9	1.064
5	CSF2RA	384.0	1.077
6	FANCB	275.5	0.974
7	IL3RA	141.7	0.969
8	KAL1	241.1	0.913
9	LOC159015	268.3	0.860
10	NLGN4X	282.8	0.936
11	PPP2R3B	212.9	1.003
12	PRKX	327.8	1.047
13	SHOX-L00702	166.0	0.907
14	SHOX-L00802	249.4	1.088
15	SHOX-L00911	233.6	1.087
16	SHOX-L05096	134.2	1.027
17	SHOX-L05099	318.0	0.953
18	SHOX-L06218	147.2	0.962
19	SHOX-L06220	205.0	1.047
20	SHOX-L06222	290.4	0.961
21	SHOX-L14642	153.4	1.104
22	SHOX-L15501	298.8	0.980
23	SHOX-L15503	391.0	1.026
24	SHOX-L15507	431.2	0.999
25	SHOX-L15510	460.5	1.113
26	SHOX-L15705	172.3	1.064
27	SHOX-L19676	338.2	1.522
28	SHOX-L19677	375.4	0.984
29	SHOX-L19679	440.1	1.125
30	SHOX-L20175	199.0	0.932
31	SHOX-L20176	178.1	0.991
32	SHOX-L20177	185.1	1.010
33	SHOX-L20178	227.5	1.054
34	VAMP7	354.4	1.062
35	ZBED1	449.8	1.054
36	chr X	101.9	0.937
37	chr Y-1	106.4	-1
38	chr Y-2	115.7	-1
39	ref 13q14	220.3	1.056
40	ref 15q21	410.3	1.109
41	ref 16p13	367.4	0.996
42	ref 16p13	470.8	1.109
43	ref 18q21	262.9	1.078
44	ref 1p22	159.6	1.021
45	ref 1q32	346.4	0.954
46	ref 4p16	191.3	1.051
47	ref 5q31	128.2	1.115
48	ref 9q31	486.3	0.984

PRAM-42

MLPA Analysis Report - SoftGenetics	
Software: GeneMarker V1.60	Analysis Type: MLPA
Project: Untitled	Compare Type: MLPA Ratio
Technician:	Normalization By: Population Normalization (Adjusted)
Report Time: 4/17/2012 - 15:41:5	Quantification By: Peak Height
Panel: P018-F1 SHOX	Classification: Loss < 0.70 <= Equivalent <= 1.30 < Gain
Control: Synthetic Control Sample	Report Value Type: Peak Ratio
Synthetic Used: PRAM-20_A07.fsa /// PRAM-21_B07.fsa /// PRAM-22_C07.fsa /// T1_H08.fsa	

PRAM-42 C08.fsa



Sample Name: PRAM-42

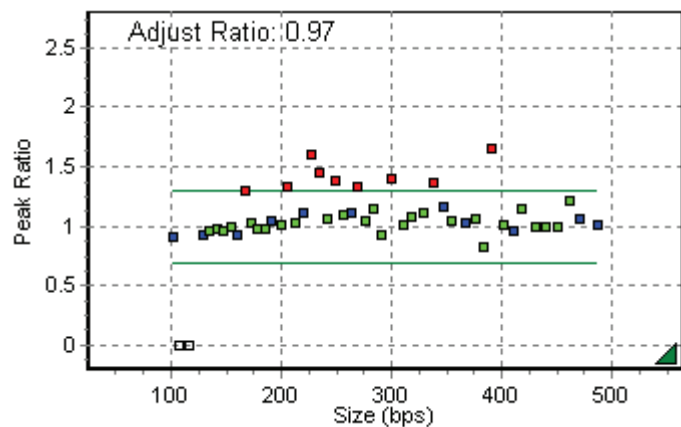
Machine: 3130xl-1206-007

Run Time: 1/26/2012 - 15:2:6 -> 1/26/2012 - 15:49:52

Statistics	# Probes	Mean	StdDev
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Control/Sample	11/35	0.99/1.09	0.08/0.19
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Conclusion		
	Date	Initial
Authorization 1		
Authorization 2		

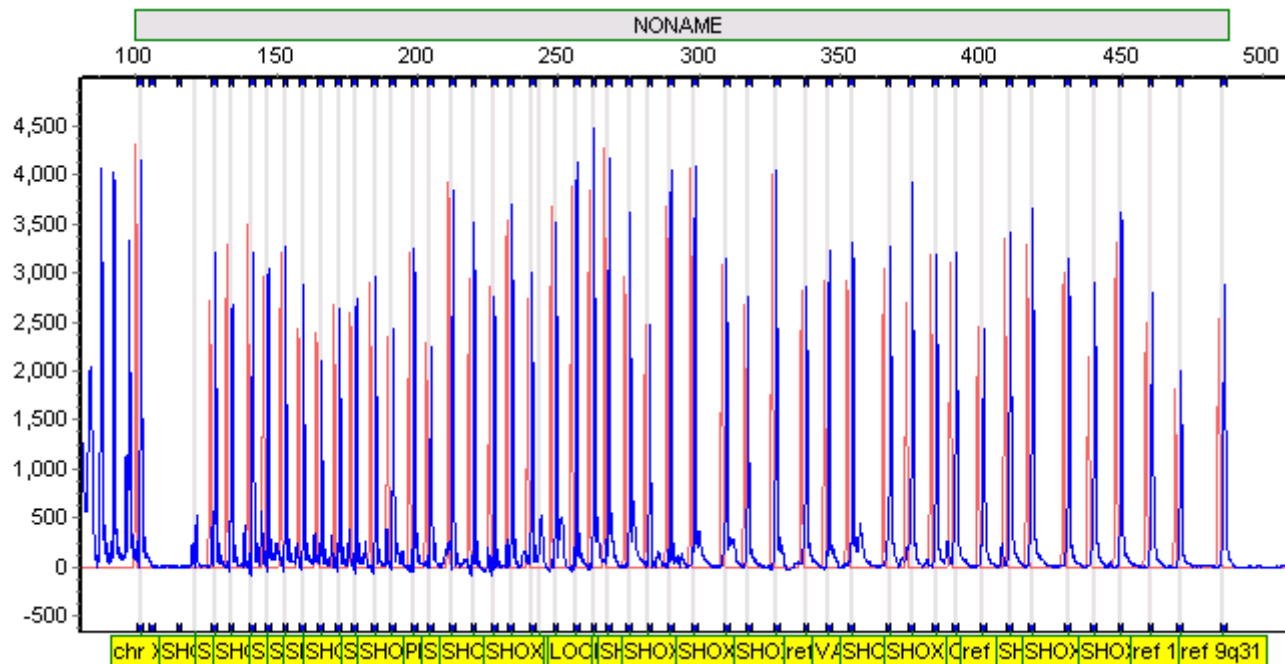


	Probe Name	Bin Size	PRAM-42_C08
1	AIFM1	418.3	1.146
2	ARSF	256.6	1.101
3	ASMT	310.0	1.014
4	CRLF2	400.9	1.021
5	CSF2RA	384.0	0.827
6	FANCB	275.5	1.054
7	IL3RA	141.7	0.972
8	KAL1	241.1	1.071
9	LOC159015	268.3	1.334
10	NLGN4X	282.8	1.152
11	PPP2R3B	212.9	1.035
12	PRKX	327.8	1.122
13	SHOX-L00702	166.0	1.304
14	SHOX-L00802	249.4	1.389
15	SHOX-L00911	233.6	1.447
16	SHOX-L05096	134.2	0.964
17	SHOX-L05099	318.0	1.085
18	SHOX-L06218	147.2	0.956
19	SHOX-L06220	205.0	1.327
20	SHOX-L06222	290.4	0.929
21	SHOX-L14642	153.4	0.994
22	SHOX-L15501	298.8	1.409
23	SHOX-L15503	391.0	1.654
24	SHOX-L15507	431.2	0.990
25	SHOX-L15510	460.5	1.208
26	SHOX-L15705	172.3	1.034
27	SHOX-L19676	338.2	1.367
28	SHOX-L19677	375.4	1.062
29	SHOX-L19679	440.1	0.999
30	SHOX-L20175	199.0	1.022
31	SHOX-L20176	178.1	0.976
32	SHOX-L20177	185.1	0.974
33	SHOX-L20178	227.5	1.610
34	VAMP7	354.4	1.046
35	ZBED1	449.8	0.999
36	chr X	101.9	0.908
37	chr Y-1	106.4	-1
38	chr Y-2	115.7	-1
39	ref 13q14	220.3	1.112
40	ref 15q21	410.3	0.955
41	ref 16p13	367.4	1.032
42	ref 16p13	470.8	1.063
43	ref 18q21	262.9	1.120
44	ref 1p22	159.6	0.931
45	ref 1q32	346.4	1.163
46	ref 4p16	191.3	1.054
47	ref 5q31	128.2	0.928
48	ref 9q31	486.3	1.018

MLPA Analysis Report - SoftGenetics

Software: GeneMarker V1.60	Analysis Type: MLPA
Project: Untitled	Compare Type: MLPA Ratio
Technician:	Normalization By: Population Normalization
Report Time: 4/11/2013 - 15:10:25	Quantification By: Peak Height
Panel: P018-F1 SHOX	Classification: Loss < 0.75 <= Equivalent <= 1.30 < Gain
Control: Synthetic Control Sample	Report Value Type: Peak Ratio
Synthetic Used: Daniel-10_B04.fsa /// Daniel-14_F04.fsa /// Daniel-15_G04.fsa /// Daniel-3_C03.fsa	

Daniel-6 F03.fsa



Sample Name: Daniel-6

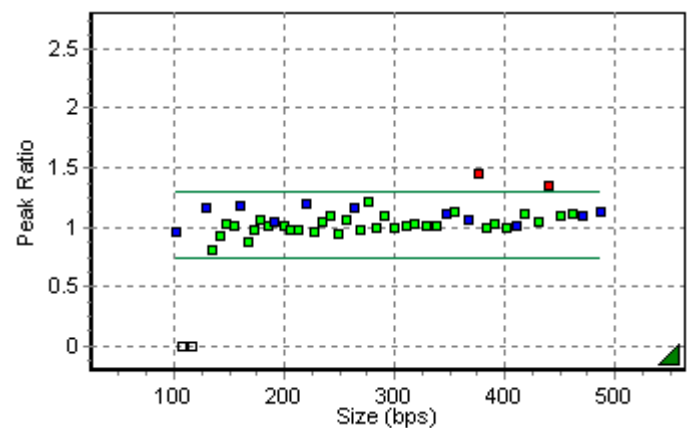
Machine: 3130xl-1206-007

Run Time: 4/11/2013 - 11:17:9 -> 4/11/2013 - 11:58:34

Statistics	# Probes	Mean	StdDev
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Control/Sample	11/35	1.11/1.04	0.08/0.12
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Conclusion		
	Date	Initial
Authorization 1		
Authorization 2		



	Probe Name	Bin Size	Daniel-6_F03
1	AIFM1	418.3	1.113
2	ARSF	256.6	1.067
3	ASMT	310.0	1.021
4	CRLF2	400.9	0.989
5	CSF2RA	384.0	1.000
6	FANCB	275.5	1.222
7	IL3RA	141.7	0.921
8	KAL1	241.1	1.101
9	LOC159015	268.3	0.975
10	NLGN4X	282.8	1.000
11	PPP2R3B	212.9	0.976
12	PRKX	327.8	1.011
13	SHOX-L00702	166.0	0.886
14	SHOX-L00802	249.4	0.951
15	SHOX-L00911	233.6	1.049
16	SHOX-L05096	134.2	0.814
17	SHOX-L05099	318.0	1.024
18	SHOX-L06218	147.2	1.029
19	SHOX-L06220	205.0	0.980
20	SHOX-L06222	290.4	1.106
21	SHOX-L14642	153.4	1.016
22	SHOX-L15501	298.8	1.002
23	SHOX-L15503	391.0	1.037
24	SHOX-L15507	431.2	1.053
25	SHOX-L15510	460.5	1.122
26	SHOX-L15705	172.3	0.979
27	SHOX-L19676	338.2	1.017
28	SHOX-L19677	375.4	1.455
29	SHOX-L19679	440.1	1.357
30	SHOX-L20175	199.0	1.012
31	SHOX-L20176	178.1	1.056
32	SHOX-L20177	185.1	1.020
33	SHOX-L20178	227.5	0.964
34	VAMP7	354.4	1.129
35	ZBED1	449.8	1.091
36	chr X	101.9	0.965
37	chr Y-1	106.4	-1
38	chr Y-2	115.7	-1
39	ref 13q14	220.3	1.196
40	ref 15q21	410.3	1.021
41	ref 16p13	367.4	1.071
42	ref 16p13	470.8	1.094
43	ref 18q21	262.9	1.168
44	ref 1p22	159.6	1.188
45	ref 1q32	346.4	1.106
46	ref 4p16	191.3	1.041
47	ref 5q31	128.2	1.173
48	ref 9q31	486.3	1.134