

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-03\2015-06-03_002.xad

Created: 6/3/2015 2:55:43 PM
Modified: 6/3/2015 3:34:08 PM

Electrophoresis File Run Summary

Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

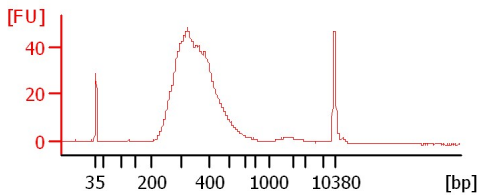
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

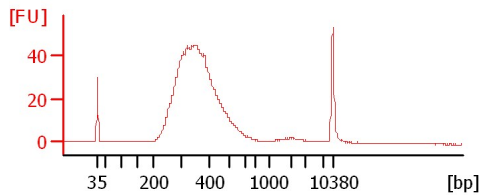
Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

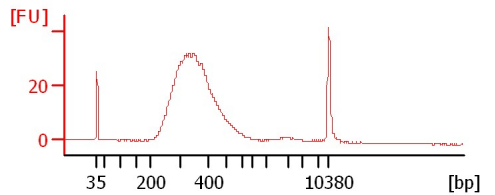
12_DL135 Liver Lib rpt



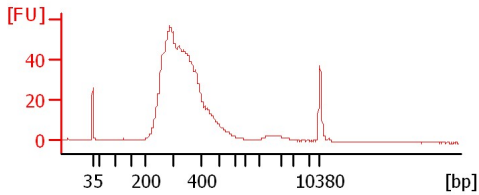
15_DL124 Liver Lib rpt



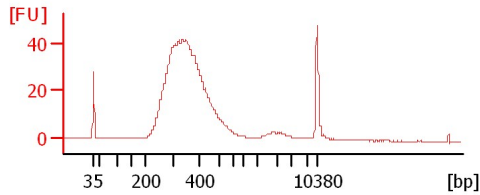
21_DL126 Liver Lib rpt



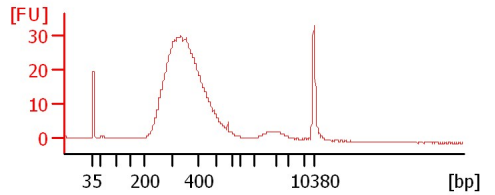
24_DL131 Liver Lib rpt



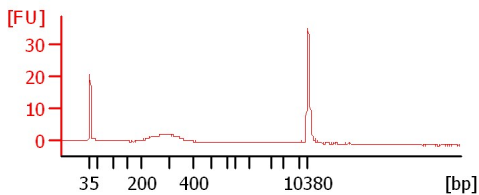
26_FL22 Liver Lib rpt



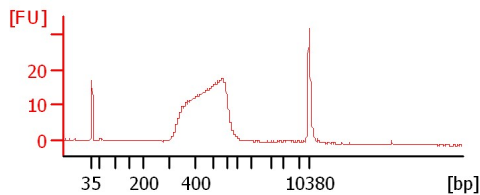
30_NY12 Liver Lib rpt



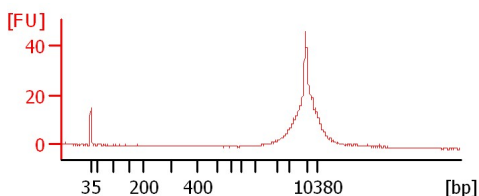
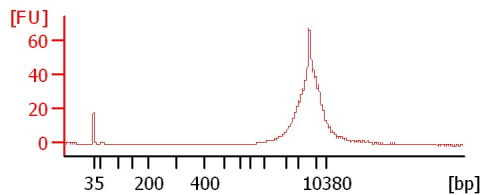
BL293 SL lib 2



YL-GF-02 1:2



RGLB tag DNA (1:18)



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
12_DL135 Liver Lib rpt		<input type="checkbox"/>	✓			
15_DL124 Liver Lib rpt		<input type="checkbox"/>	✓			
21_DL126 Liver Lib rpt		<input type="checkbox"/>	✓			
24_DL131 Liver Lib rpt		<input type="checkbox"/>	✓			
26_FL22 Liver Lib rpt		<input type="checkbox"/>	✓			
30_NY12 Liver Lib rpt		<input type="checkbox"/>	✓			
BL293 SL lib 2		<input type="checkbox"/>	✓			
YL-GF-02 1:2		<input type="checkbox"/>	✓			
RGLB tag DNA (1:18)		<input type="checkbox"/>	✓			
sample 11		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 32
Maximum Visible Range [s] : 138
Start Analysis Time Range [s] : 33
End Analysis Time Range [s] : 137.5
Ladder Concentration [pg/μl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/μl] : 125
Upper Marker Concentration [pg/μl] : 75
Used Upper Marker for Quantitation
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 33.05
Integration End Time [s] : 137
Slope Threshold : 0.8
Height Threshold [FU] : 5
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

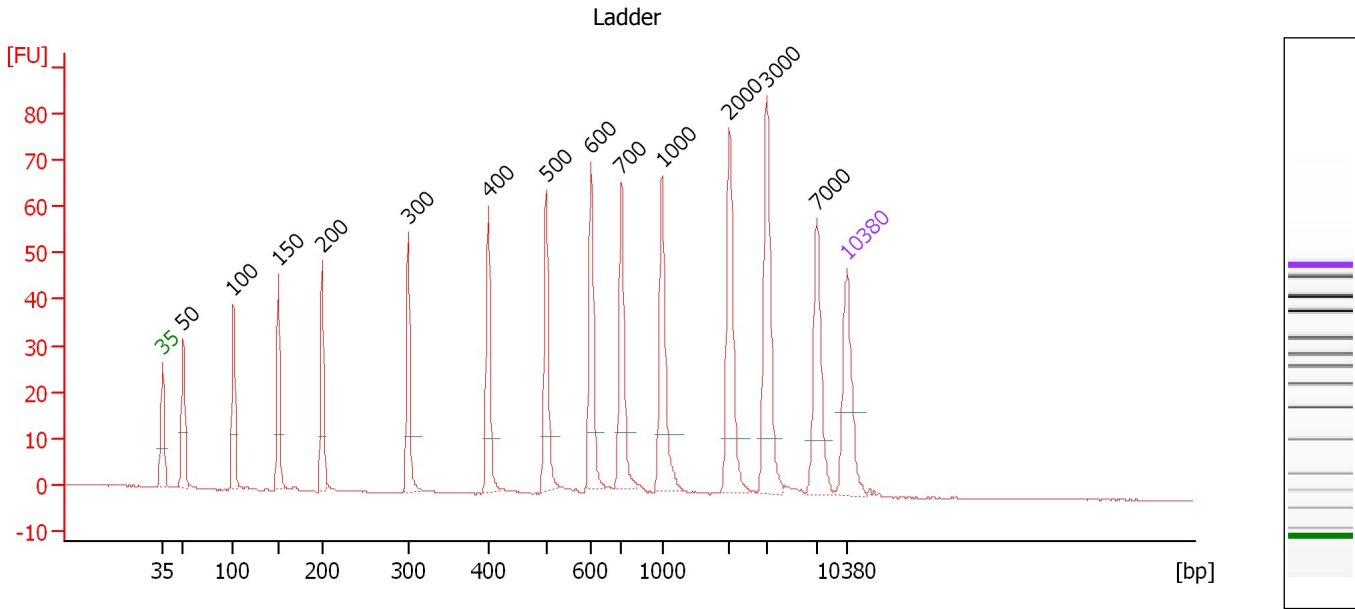
Ladder

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

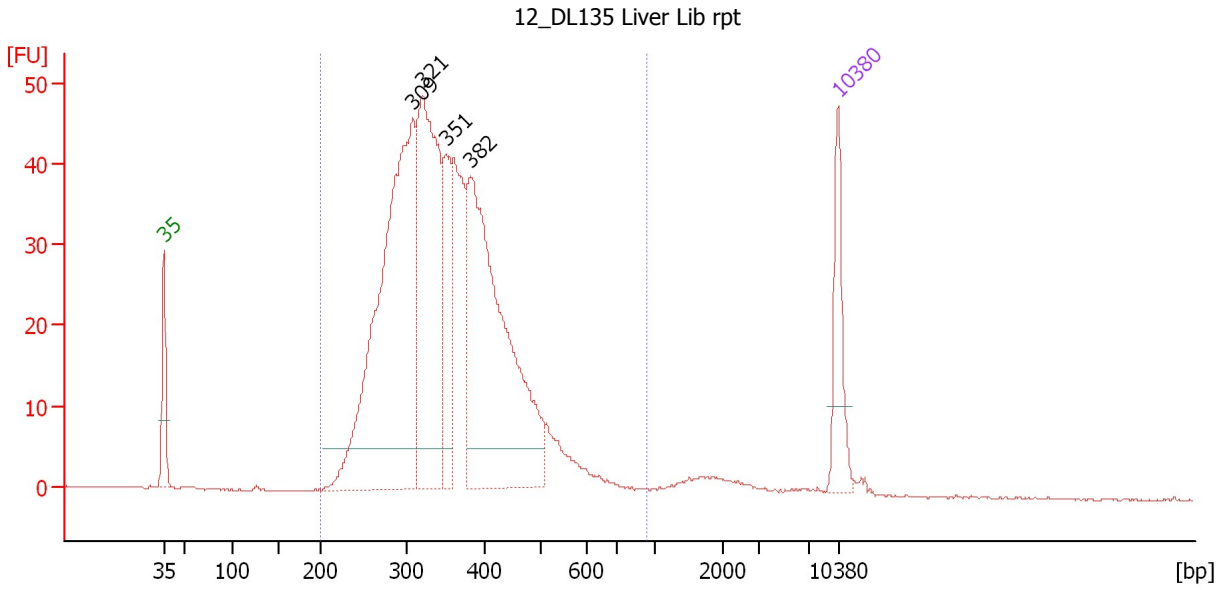
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.13
3	100	150.00	2,272.7	Ladder Peak	50.25
4	150	150.00	1,515.2	Ladder Peak	54.83
5	200	150.00	1,136.4	Ladder Peak	59.36
6	300	150.00	757.6	Ladder Peak	68.13
7	400	150.00	568.2	Ladder Peak	76.31
8	500	150.00	454.5	Ladder Peak	82.20
9	600	150.00	378.8	Ladder Peak	86.83
10	700	150.00	324.7	Ladder Peak	89.94
11	1,000	150.00	227.3	Ladder Peak	94.08
12	2,000	150.00	113.6	Ladder Peak	100.95
13	3,000	150.00	75.8	Ladder Peak	104.77
14	7,000	150.00	32.5	Ladder Peak	109.95
15	10,380	75.00	10.9	Upper Marker	113.00

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Electropherogram Summary Continued ...



Overall Results for sample 1 : 12_DL135 Liver Lib rpt

Number of peaks found: 4 Corr. Area 1: 841.3
 Noise: 0.1

Peak table for sample 1 : 12_DL135 Liver Lib rpt

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	309	761.70	3,730.7		68.90
3	321	469.43	2,216.7		69.84
4	351	146.25	630.8		72.33
5	382	589.15	2,334.1		74.87
6	10,380	75.00	10.9	Upper Marker	113.00

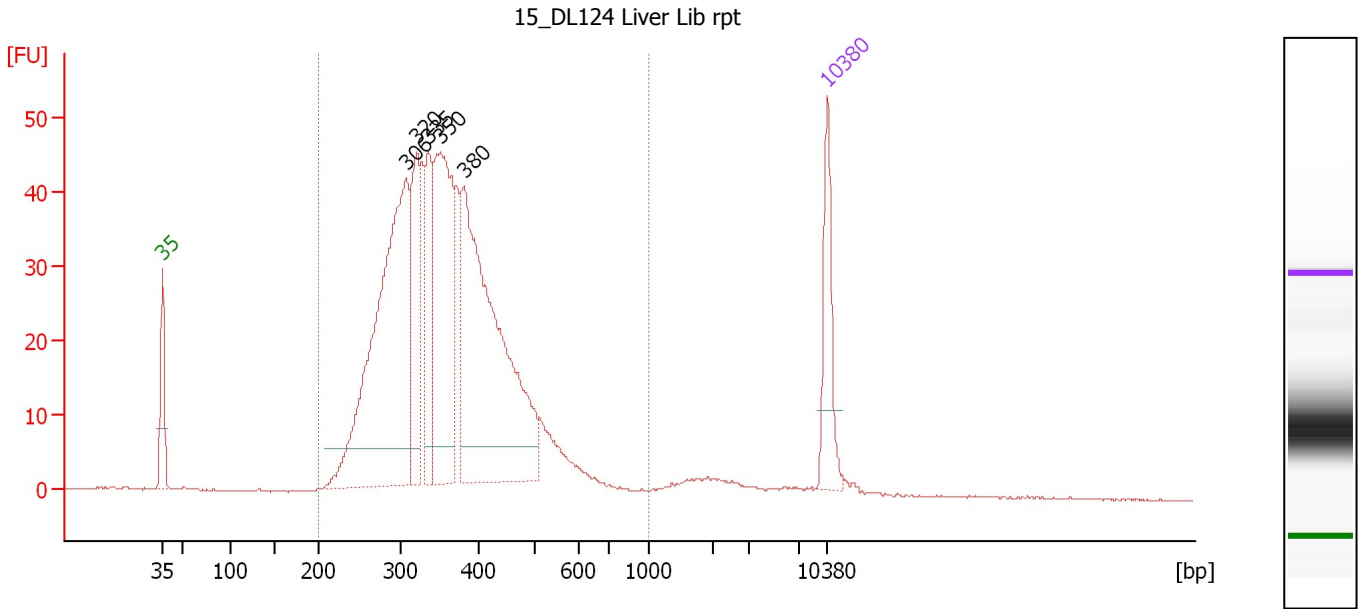
Region table for sample 1 : 12_DL135 Liver Lib rpt

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
200	358	932	841.3	10,274.9	97	22.3	2,294.29

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Electropherogram Summary Continued ...



Overall Results for sample 2 : 15 DL124 Liver Lib rpt

Number of peaks found: 5 Corr. Area 1: 839.0
 Noise: 0.1

Peak table for sample 2 : 15 DL124 Liver Lib rpt

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	306	607.01	3,004.4		68.63
3	320	161.30	764.1		69.75
4	335	125.45	567.5		70.99
5	350	317.20	1,373.1		72.22
6	380	548.71	2,186.7		74.69
7	10,380	75.00	10.9	Upper Marker	113.00

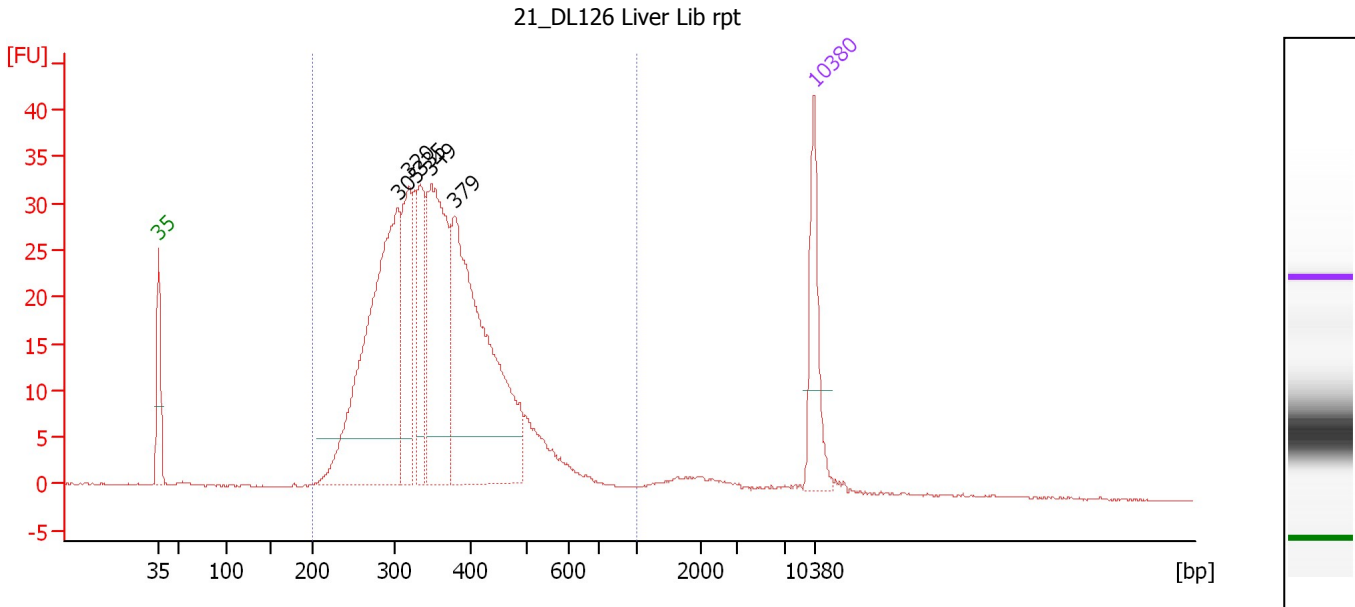
Region table for sample 2 : 15 DL124 Liver Lib rpt

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
200	364	1,000	839.0	9,273.1	96	23.1	2,096.18

Assay Class: High Sensitivity DNA Assay
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Electropherogram Summary Continued ...



Overall Results for sample 3 : 21_DL126 Liver Lib rpt

Number of peaks found: 5 Corr. Area 1: 607.6
 Noise: 0.1

Peak table for sample 3 : 21_DL126 Liver Lib rpt

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	305	520.10	2,586.3		68.52
3	320	142.59	675.1		69.77
4	335	113.06	511.9		70.97
5	349	281.11	1,221.9		72.10
6	379	469.95	1,877.7		74.61
7	10,380	75.00	10.9	Upper Marker	113.00

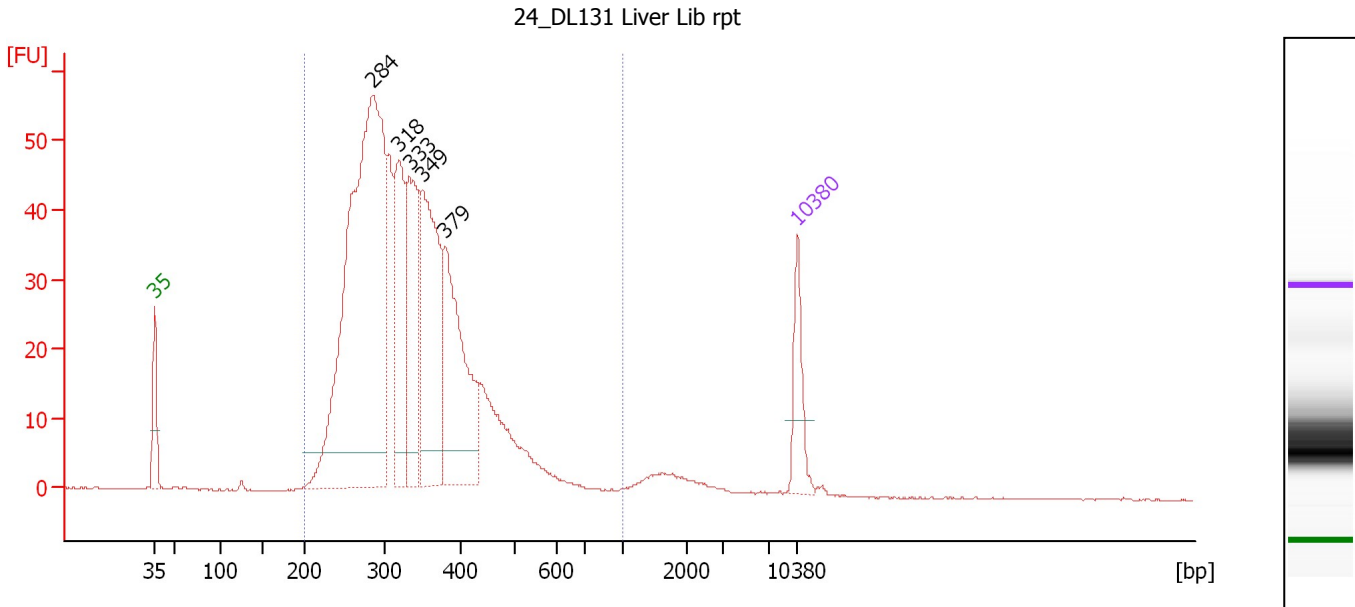
Region table for sample 3 : 21_DL126 Liver Lib rpt

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
200	364	1,000	607.6	7,858.5	96	24.3	1,765.61

Assay Class: High Sensitivity DNA Assay
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Electropherogram Summary Continued ...



Overall Results for sample 4 : 24 DL131 Liver Lib rpt

Number of peaks found: 5 Corr. Area 1: 929.7
 Noise: 0.1

Peak table for sample 4 : 24 DL131 Liver Lib rpt

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	284	1,362.51	7,265.7		66.74
3	318	281.55	1,342.6		69.58
4	333	295.23	1,344.7		70.80
5	349	414.72	1,800.6		72.14
6	379	361.91	1,444.9		74.63
7	10,380	75.00	10.9	Upper Marker	113.00

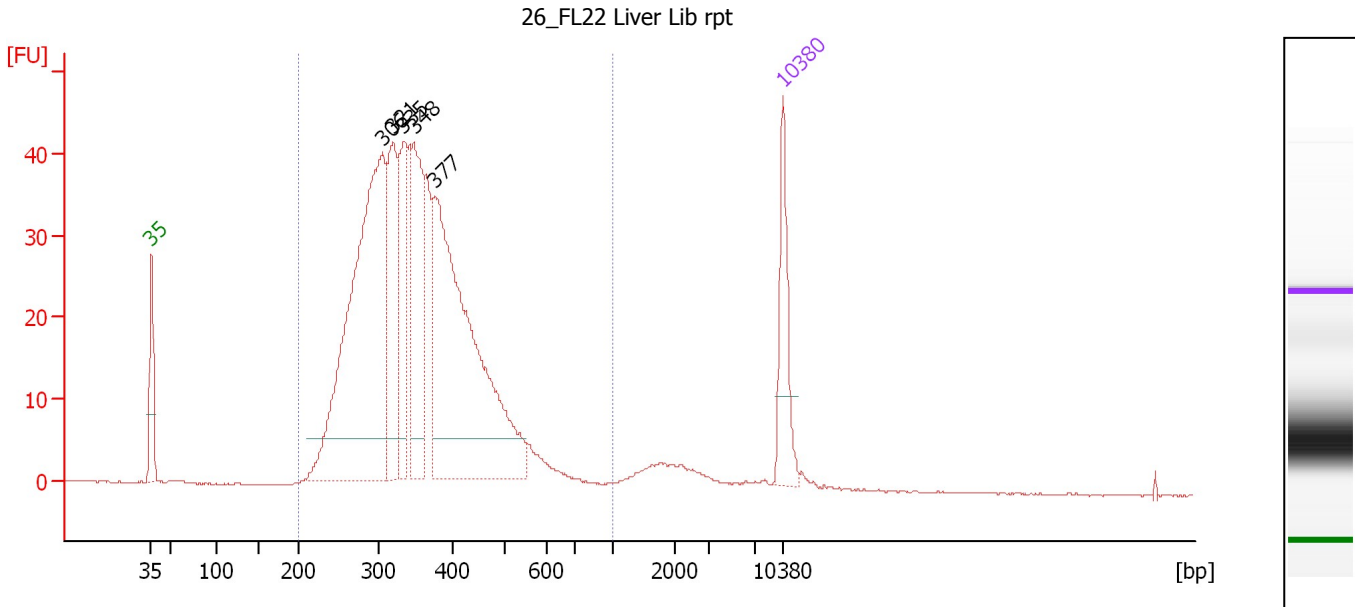
Region table for sample 4 : 24 DL131 Liver Lib rpt

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
200	338	1,000	929.7	15,677.3	97	23.5	3,288.45

Assay Class: High Sensitivity DNA Assay
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Electropherogram Summary Continued ...



Overall Results for sample 5 : 26_FL22 Liver Lib rpt

Number of peaks found: 5 Corr. Area 1: 771.7
 Noise: 0.1

Peak table for sample 5 : 26_FL22 Liver Lib rpt

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	306	686.71	3,403.4		68.60
3	321	178.37	842.2		69.84
4	335	148.37	671.8		70.96
5	348	188.68	820.6		72.09
6	377	582.66	2,344.4		74.39
7	10,380	75.00	10.9	Upper Marker	113.00

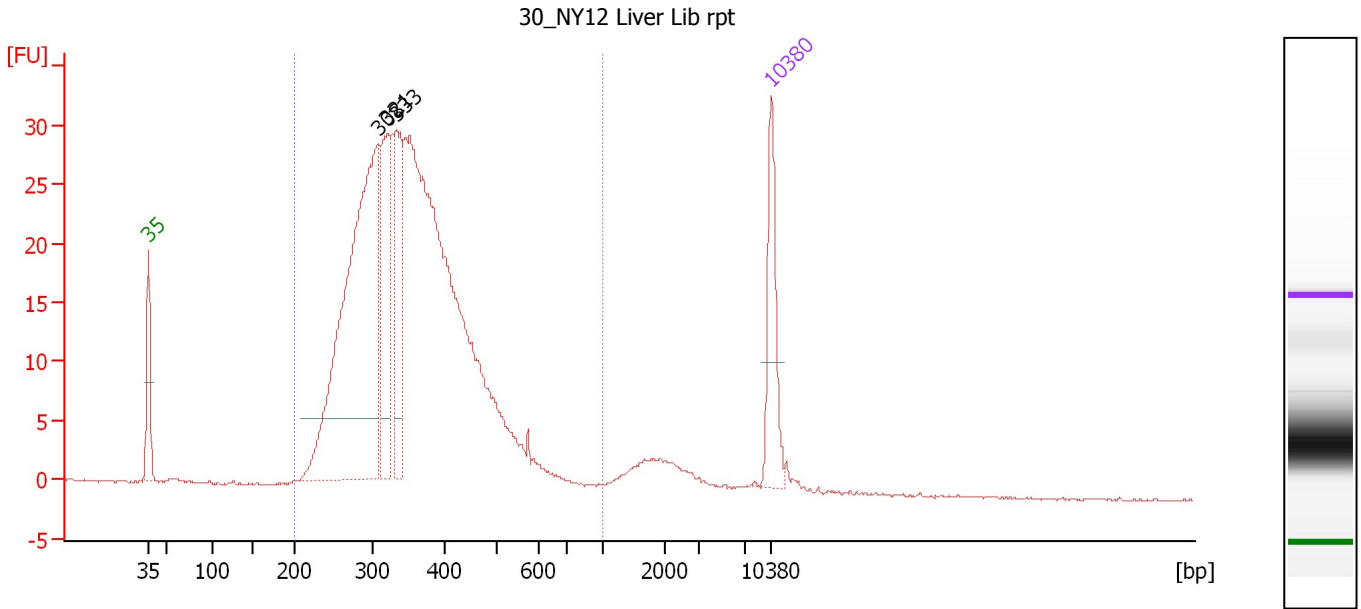
Region table for sample 5 : 26_FL22 Liver Lib rpt

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
200	359	1,000	771.7	9,452.3	96	23.5	2,103.41

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Electropherogram Summary Continued ...



Overall Results for sample 6 : 30_NY12 Liver Lib rpt

Number of peaks found: 3 Corr. Area 1: 548.0
 Noise: 0.1

Peak table for sample 6 : 30_NY12 Liver Lib rpt

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	308	645.41	3,172.2		68.81
3	321	150.55	709.6		69.89
4	333	139.02	632.2		70.84
5	10,380	75.00	10.9	Upper Marker	113.00

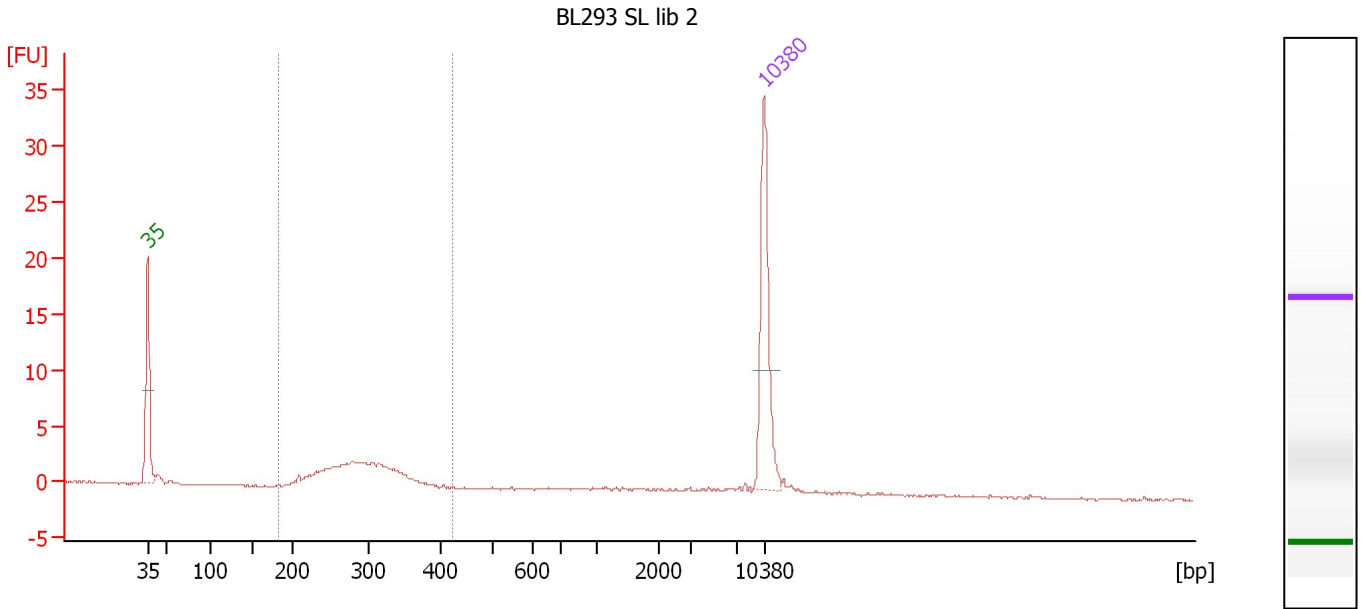
Region table for sample 6 : 30_NY12 Liver Lib rpt

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
200	360	1,000	548.0	9,228.1	95	23.5	2,055.76

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Electropherogram Summary Continued ...



Overall Results for sample 7 : BL293 SL lib 2

Number of peaks found: 0 Corr. Area 1: 29.5
 Noise: 0.1

Peak table for sample 7 : BL293 SL lib 2

Pea k	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	10,380	75.00	10.9	Upper Marker	113.00

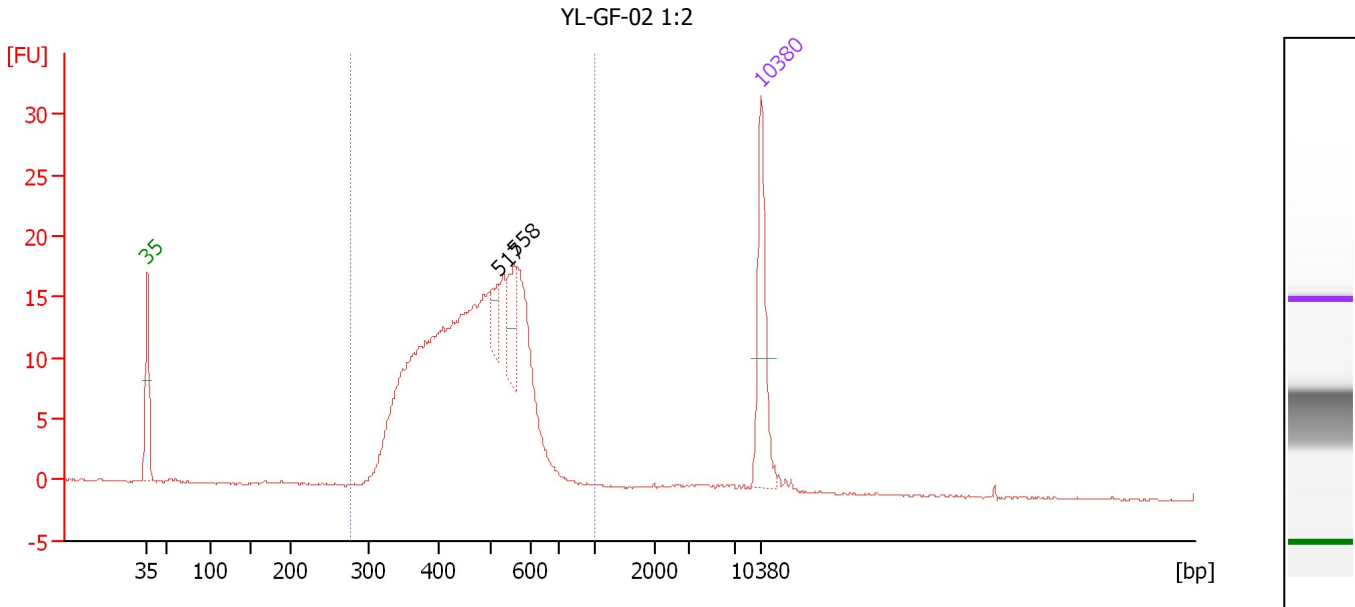
Region table for sample 7 : BL293 SL lib 2

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
185	290	422	29.5	609.6	74	14.6	114.18

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Electropherogram Summary Continued ...



Overall Results for sample 8 : YL-GF-02 1:2

Number of peaks found: 2 Corr. Area 1: 282.2
 Noise: 0.1

Peak table for sample 8 : YL-GF-02 1:2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	517	23.38	68.5		82.98
3	558	39.14	106.4		84.87
4	10,380	75.00	10.9	Upper Marker	113.00

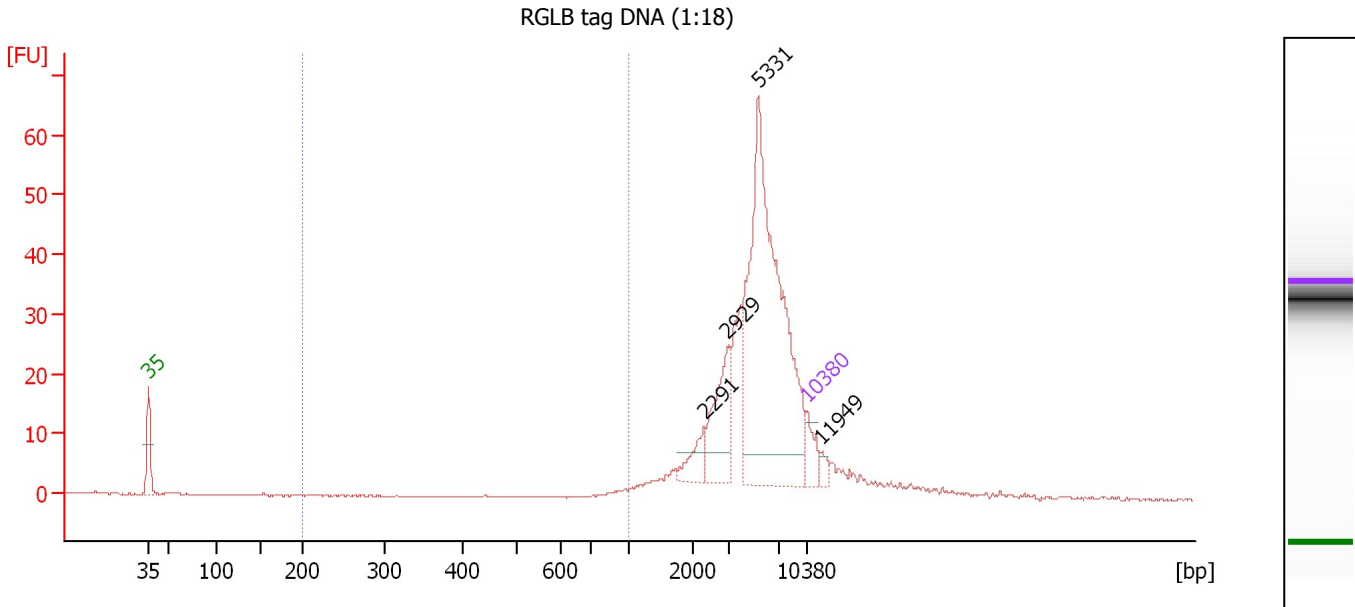
Region table for sample 8 : YL-GF-02 1:2

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]	Conc. [pg/μl]
279	471	1,000	282.2	3,518.9	97	19.5	1,040.73

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Electropherogram Summary Continued ...



Overall Results for sample 9 : RGLB tag DNA (1:18)

Number of peaks found: 4 Corr. Area 1: 2.3
 Noise: 0.1

Peak table for sample 9 : RGLB tag DNA (1:18)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	2,291	93.42	61.8		102.06
3	2,929	252.35	130.5		104.50
4	5,331	1,406.20	399.7		107.79
5	10,380	75.00	10.9	Upper Marker	113.00
6	11,949	0.00	0.0		114.42

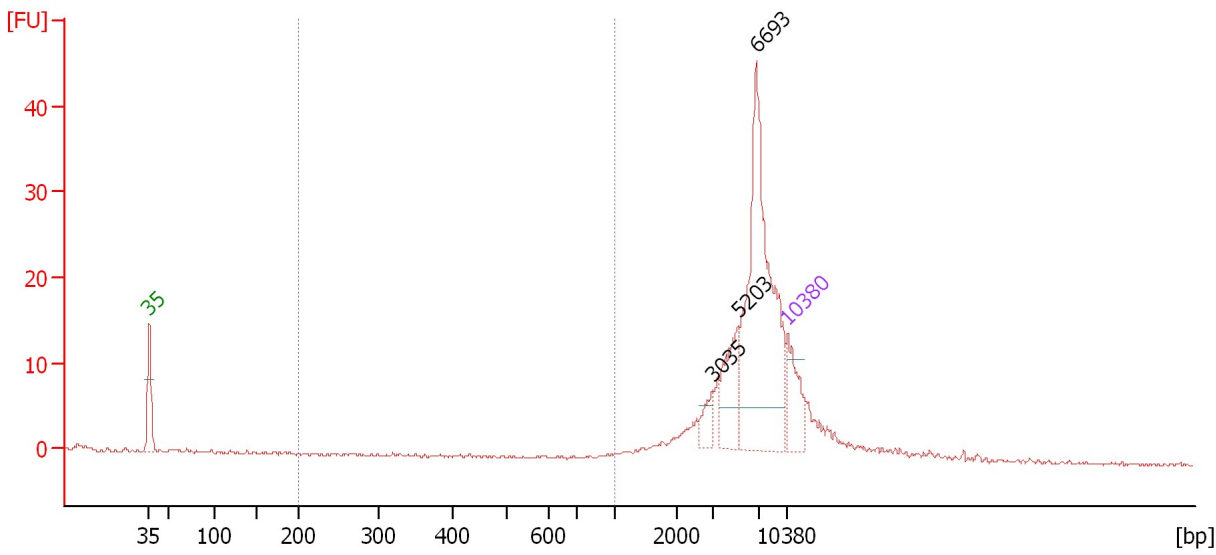
Region table for sample 9 : RGLB tag DNA (1:18)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
200	903	1,000	2.3	29.1	1	8.6	17.25

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Electropherogram Summary Continued ...



Overall Results for sample 10 :

Number of peaks found: 3 Corr. Area 1: 0.1
 Noise: 0.2

Peak table for sample 10 :

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	3,035	34.25	17.1		104.81
3	5,203	104.38	30.4		107.62
4	6,693	492.57	111.5		109.55
5	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 10 :

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
200	961	1,000	0.1	0.8	0	2.0	0.48

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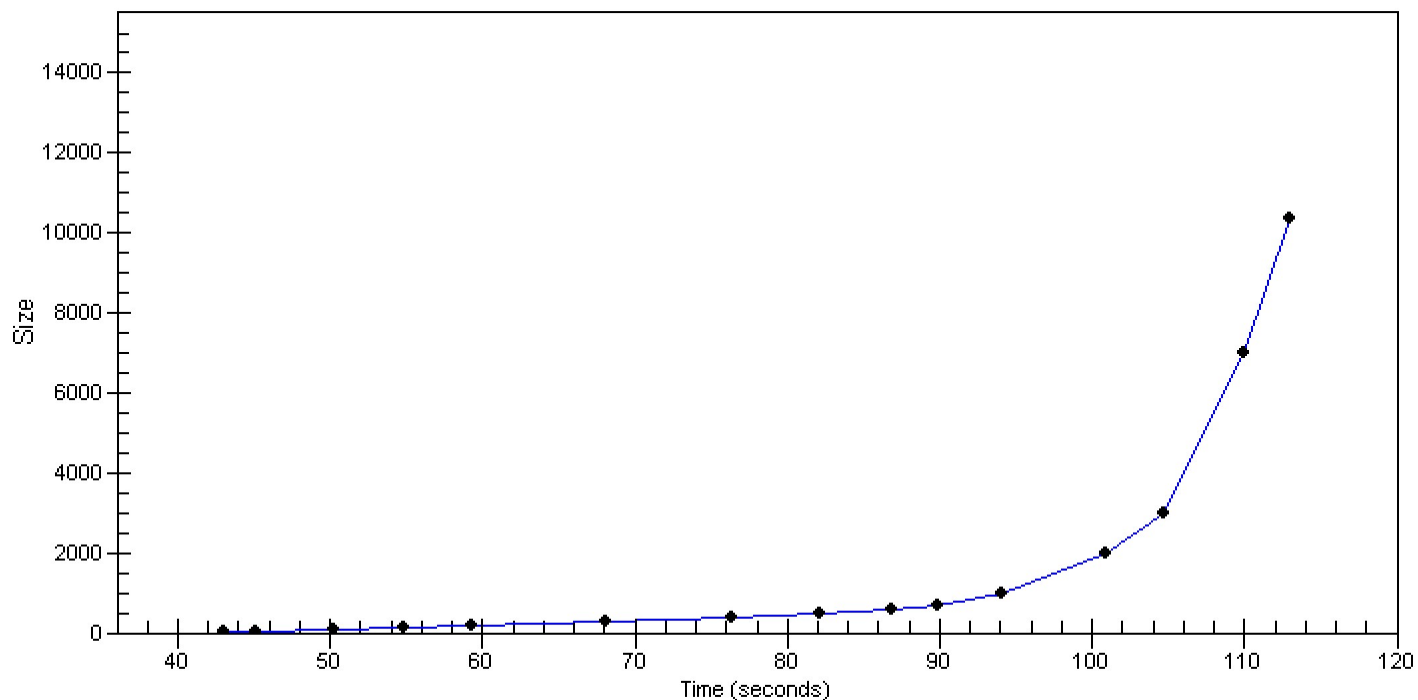
Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-06-03\2015-06-03_002.xad

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Curves

Standard Curve



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Invalid Samples

Sample 11 has not been run, no results available.