

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...alyzer\2015-06-03\2015-06-03\_002\_HiSeq91\_LibraryRepeats.xad

Created: 6/3/2015 2:55:43 PM  
Modified: 6/3/2015 3:37:37 PM

**Electrophoresis File Run Summary**

Instrument Information:

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

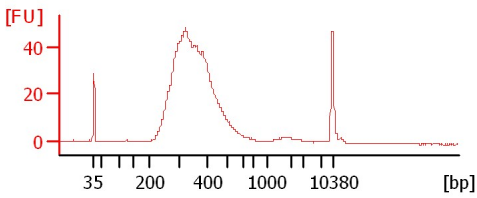
Assay Information:

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

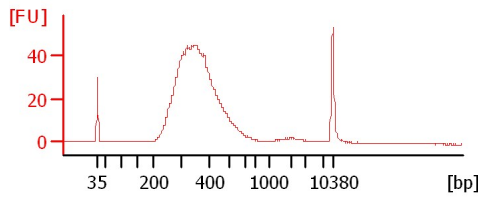
Chip Information:

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

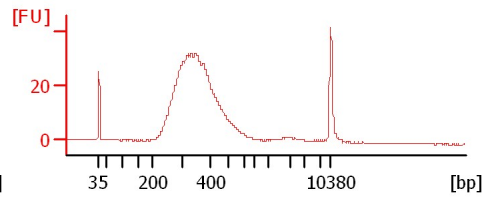
**12\_DL135 Liver Lib rpt**



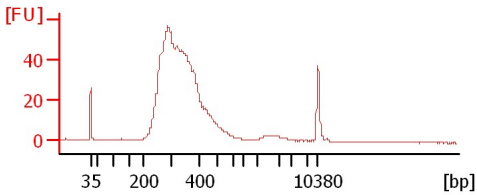
**15\_DL124 Liver Lib rpt**



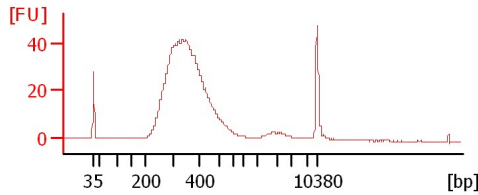
**21\_DL126 Liver Lib rpt**



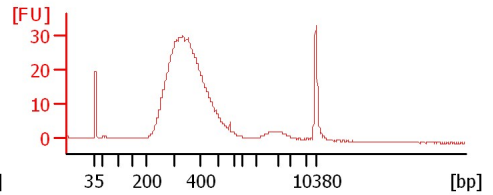
**24\_DL131 Liver Lib rpt**



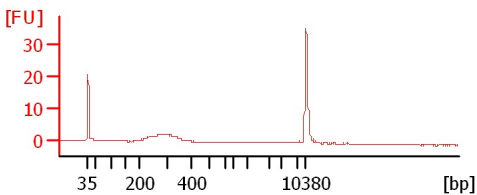
**26\_FL22 Liver Lib rpt**



**30\_NY12 Liver Lib rpt**



**BL293 SL lib 2**



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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"/>	✓			
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

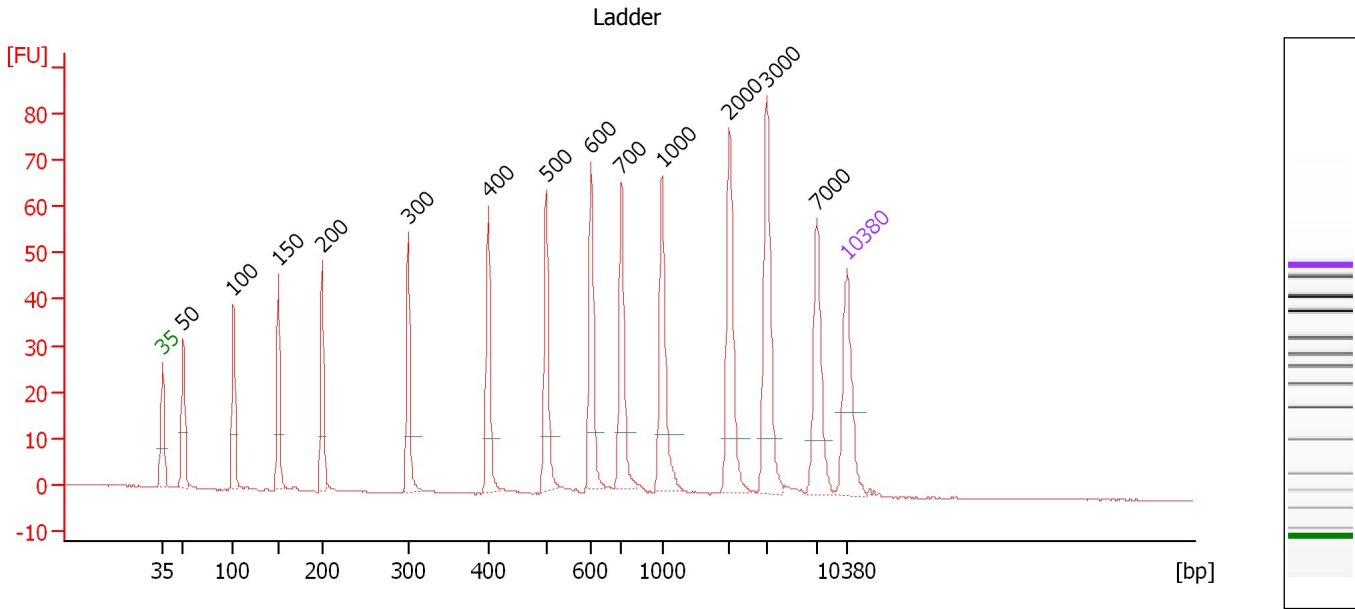
**Ladder**

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

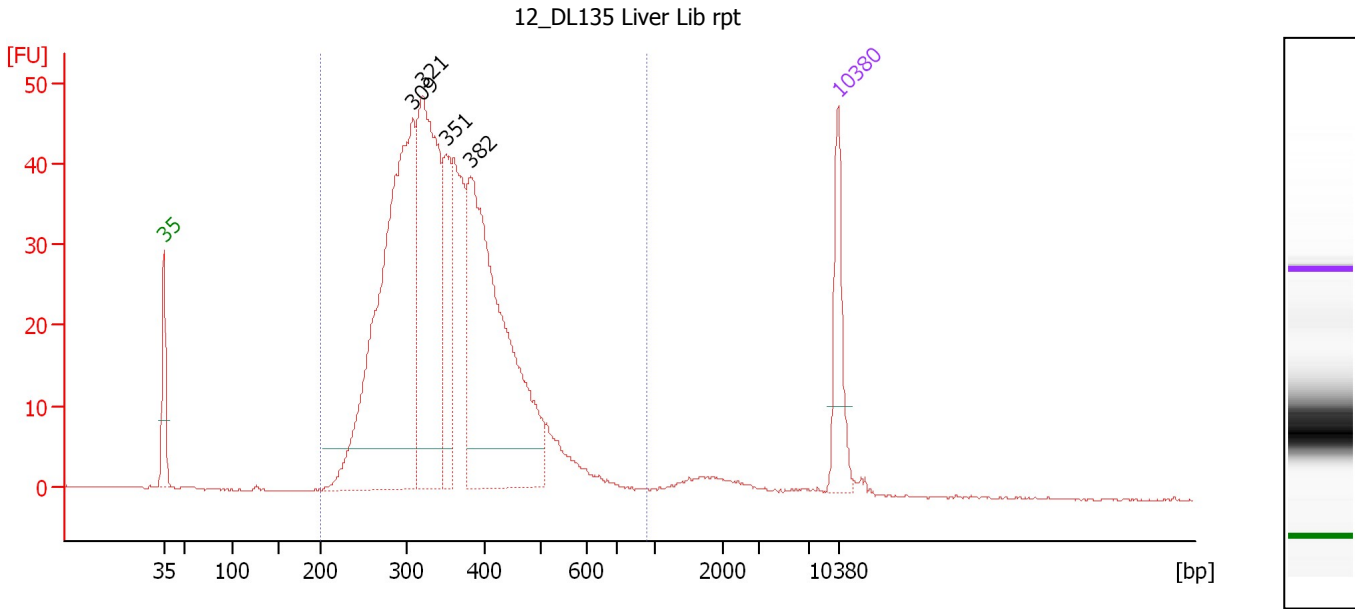
**Peak table for Ladder**

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

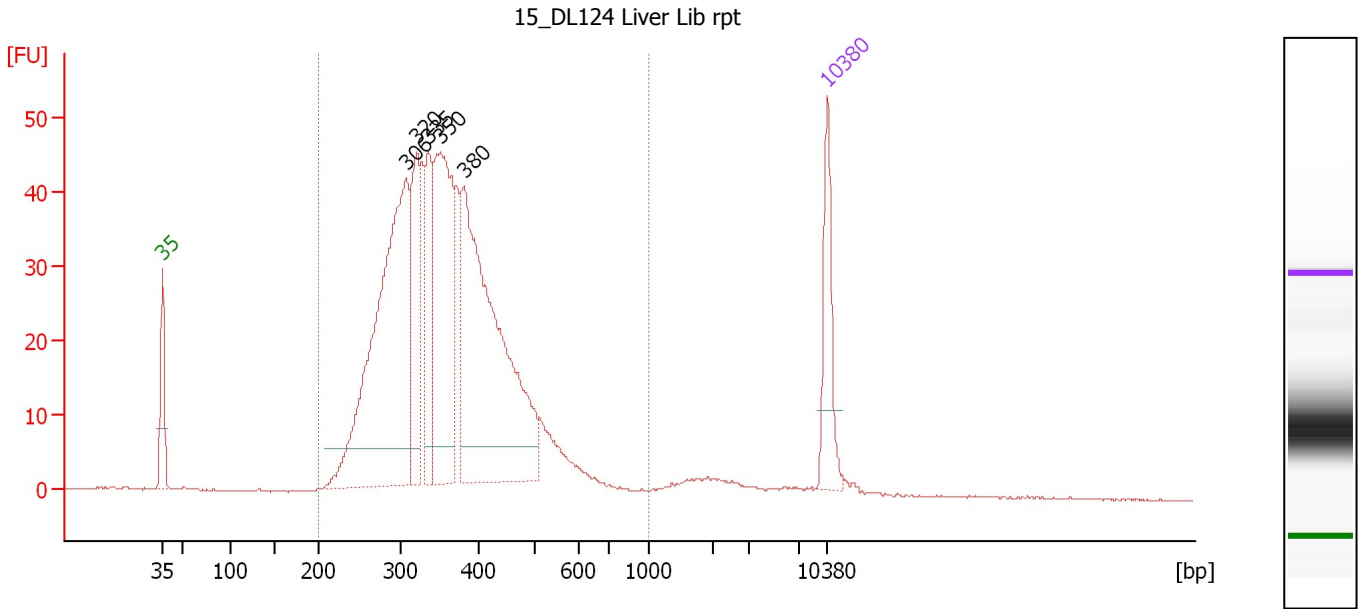
**Region table for sample 1 : 12\_DL135 Liver Lib rpt**

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

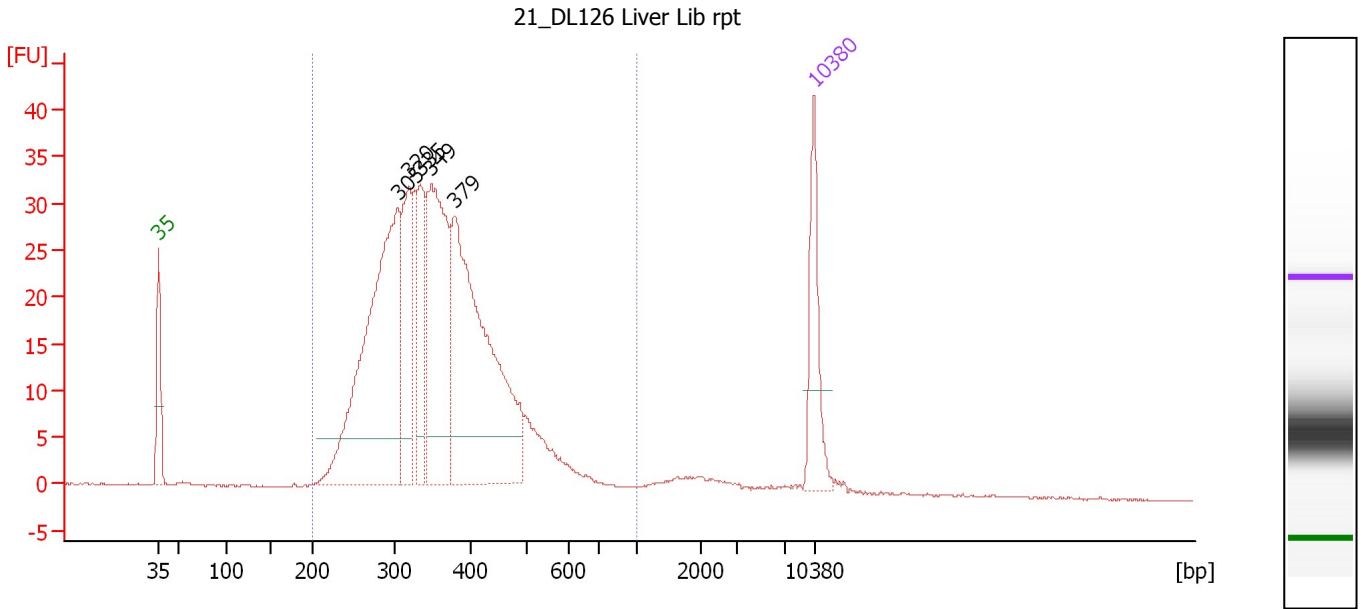
**Region table for sample 2 : 15 DL124 Liver Lib rpt**

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  
 Data Path: C:\...alyzer\2015-06-03\2015-06-03\_002\_HiSeq91\_LibraryRepeats.xad

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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

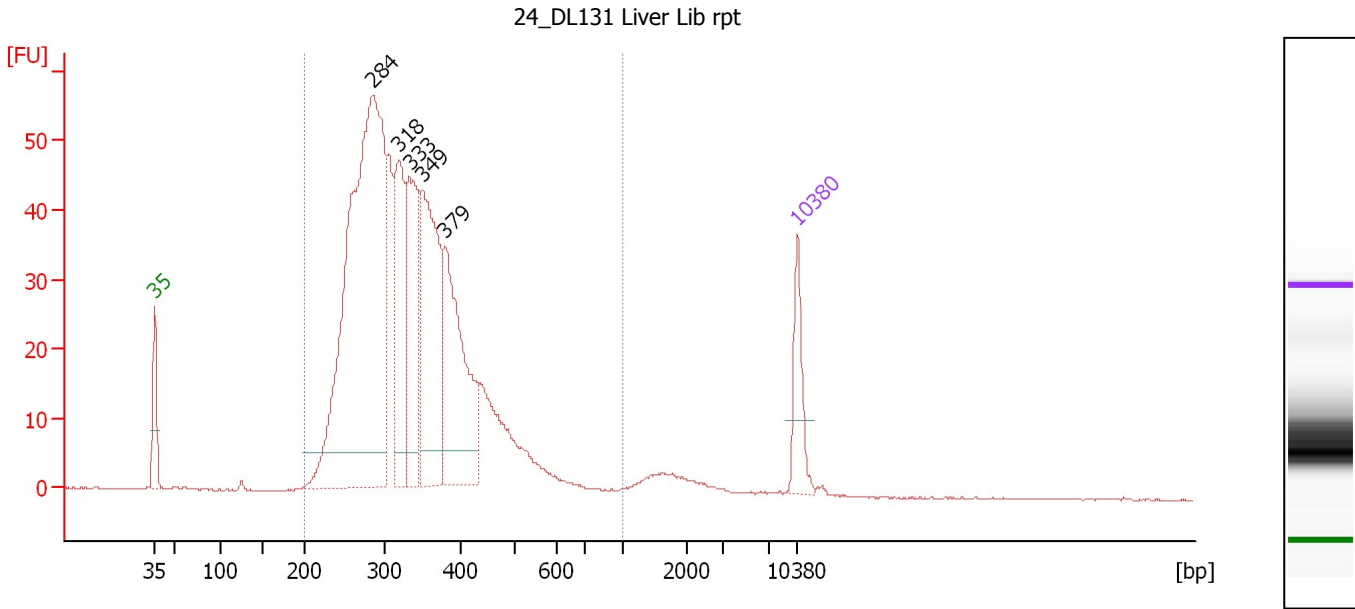
**Region table for sample 3 : 21\_DL126 Liver Lib rpt**

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  
 Data Path: C:\...alyzer\2015-06-03\2015-06-03\_002\_HiSeq91\_LibraryRepeats.xad

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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**

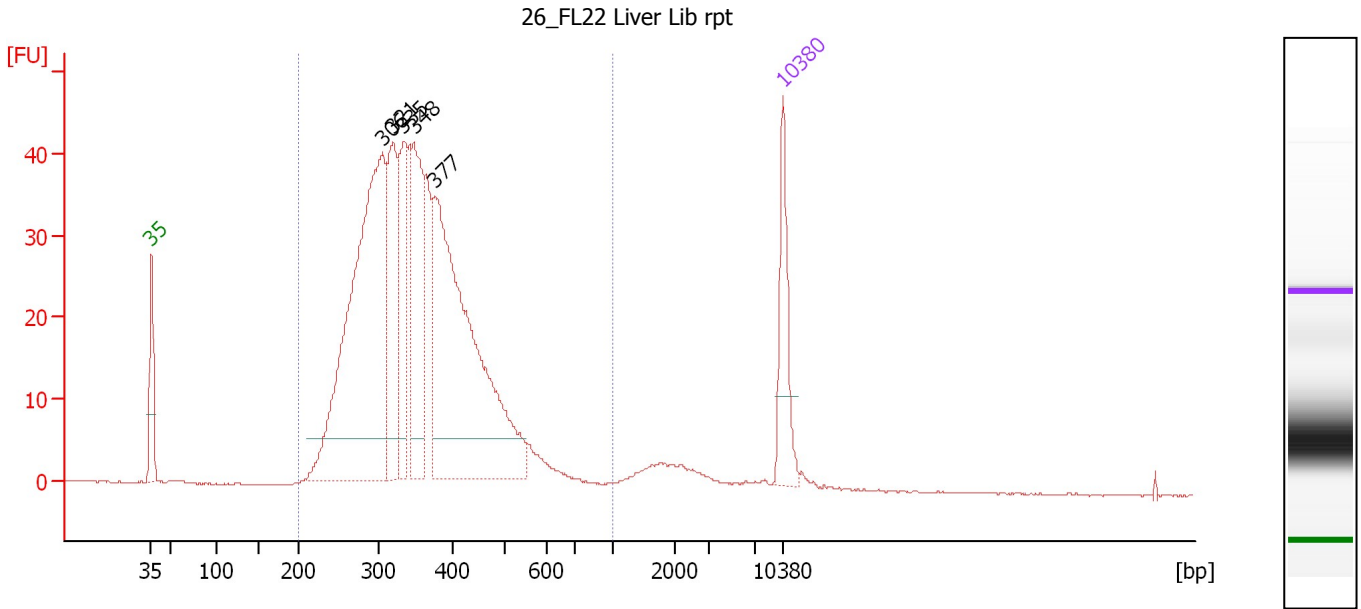
From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
200	338	1,000	929.7	15,677.3	97	23.5	3,288.45



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...alyzer\2015-06-03\2015-06-03\_002\_HiSeq91\_LibraryRepeats.xad

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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

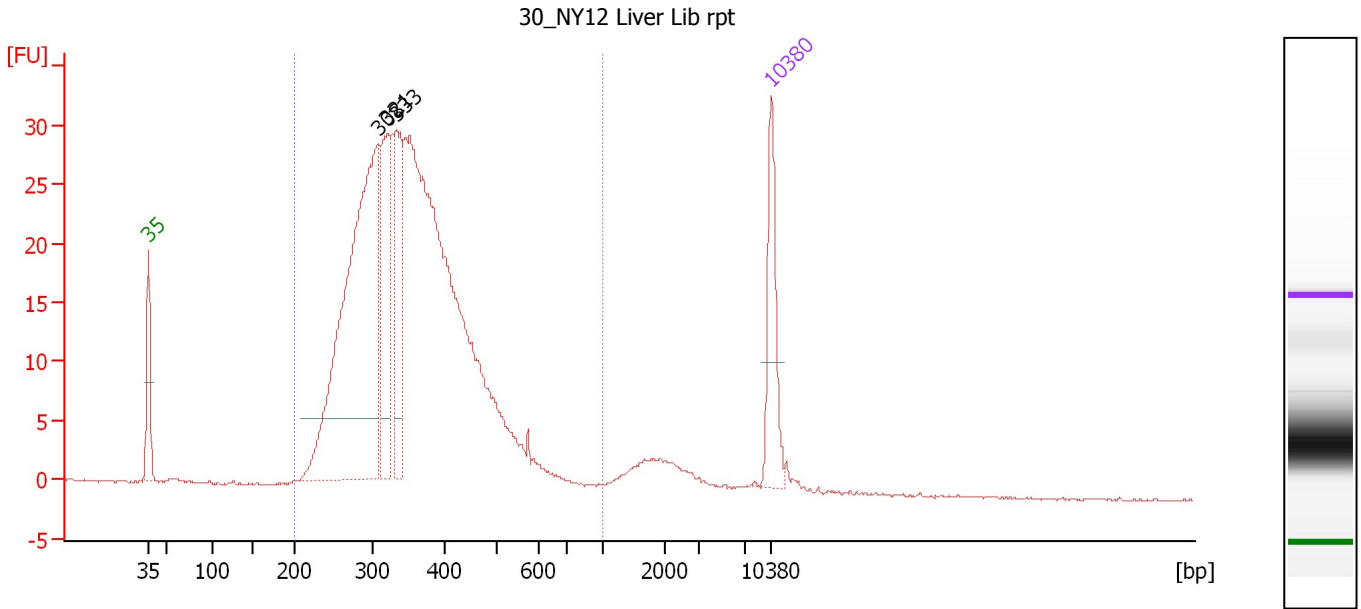
**Region table for sample 5 : 26\_FL22 Liver Lib rpt**

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

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...alyzer\2015-06-03\2015-06-03\_002\_HiSeq91\_LibraryRepeats.xad

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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

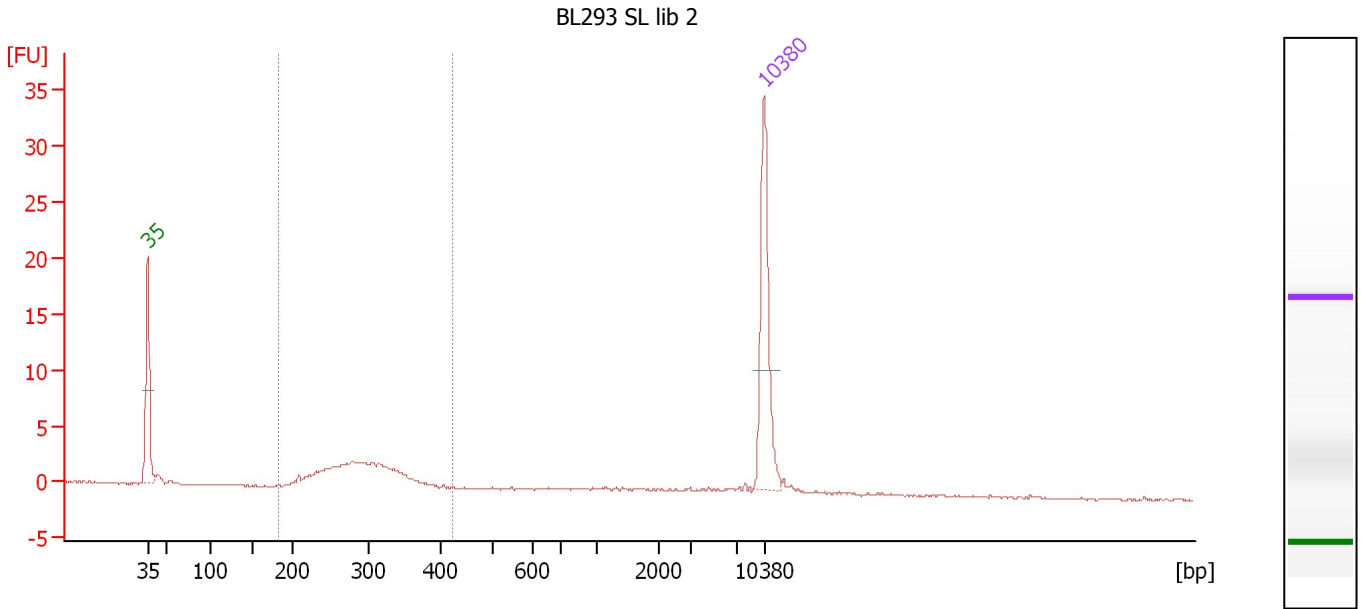
**Region table for sample 6 : 30\_NY12 Liver Lib rpt**

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

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...alyzer\2015-06-03\2015-06-03\_002\_HiSeq91\_LibraryRepeats.xad

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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**

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	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 Ior Total	Size distribution in CV [%]	Conc. [pg/μl]
185	290	422	29.5	609.6	74	14.6	114.18

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**Gel Image**

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**Curves**

**Standard Curve**

