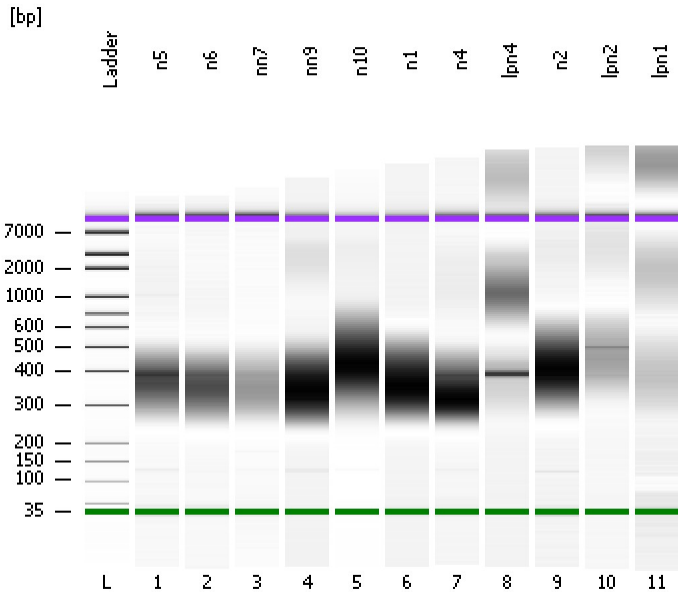


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-19\2014-02-19_008.xad

Created: 2/19/2014 4:08:41 PM
Modified: 2/19/2014 5:36:52 PM

Electrophoresis File Run Summary



Instrument Information:

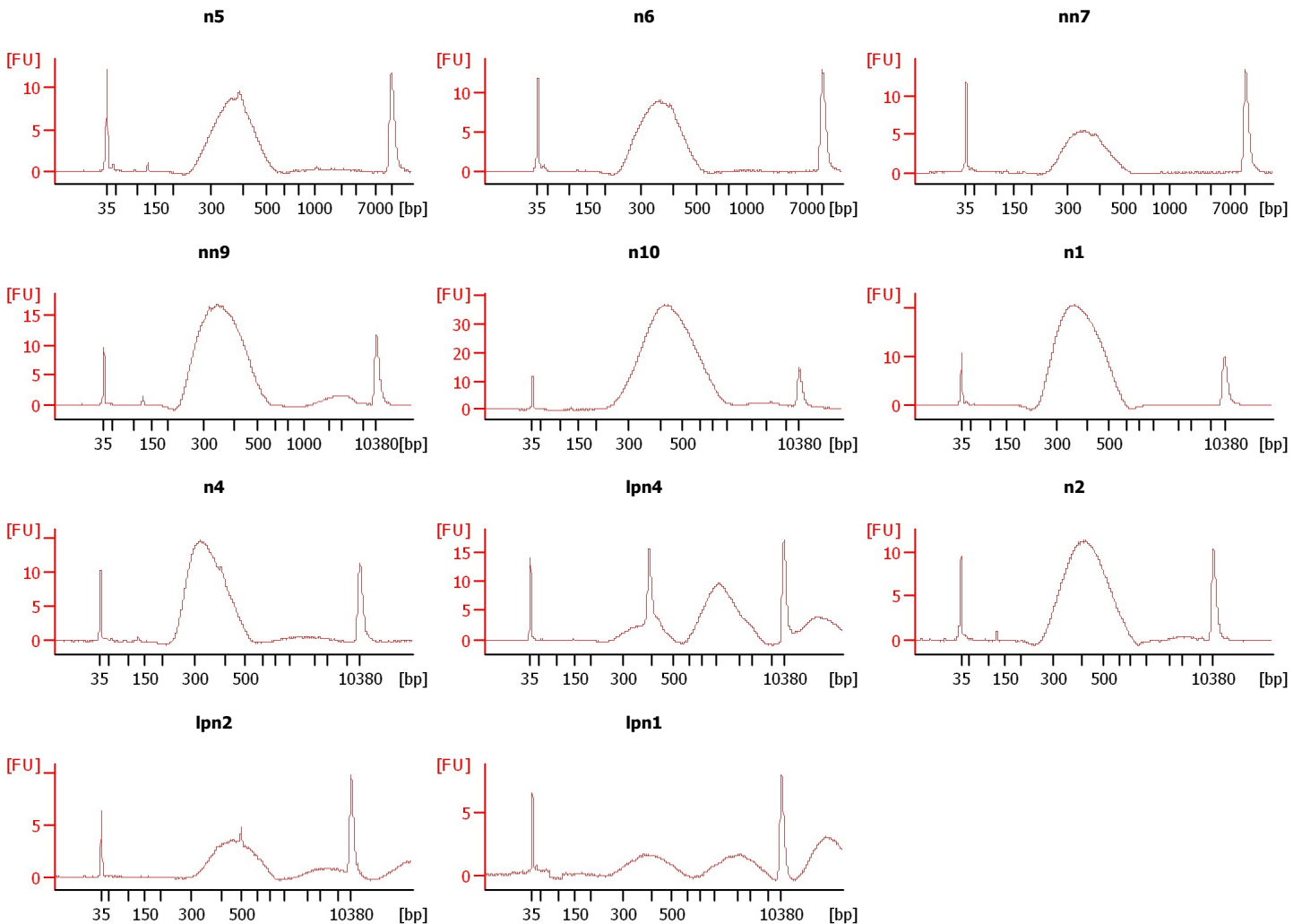
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-19\2014-02-19_008.xad

Created: 2/19/2014 4:08:41 PM
Modified: 2/19/2014 5:36:52 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
n5		<input type="checkbox"/>	✓			
n6		<input type="checkbox"/>	✓			
nn7		<input type="checkbox"/>	✓			
nn9		<input type="checkbox"/>	✓			
n10		<input type="checkbox"/>	✓			
n1		<input type="checkbox"/>	✓			
n4		<input type="checkbox"/>	✓			
lpn4		<input type="checkbox"/>	✓			
n2		<input type="checkbox"/>	✓			
lpn2		<input type="checkbox"/>	✓			
lpn1		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-19\2014-02-19_008.xad

Created: 2/19/2014 4:08:41 PM
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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

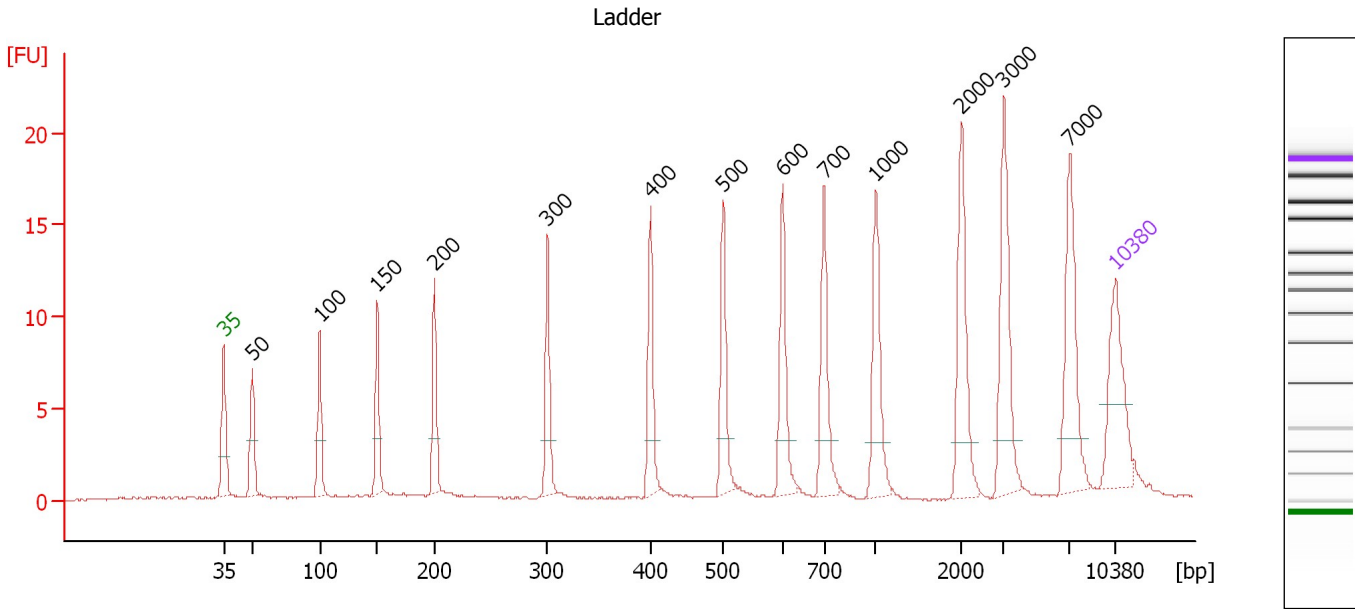
Ladder

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-19\2014-02-19_008.xad

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

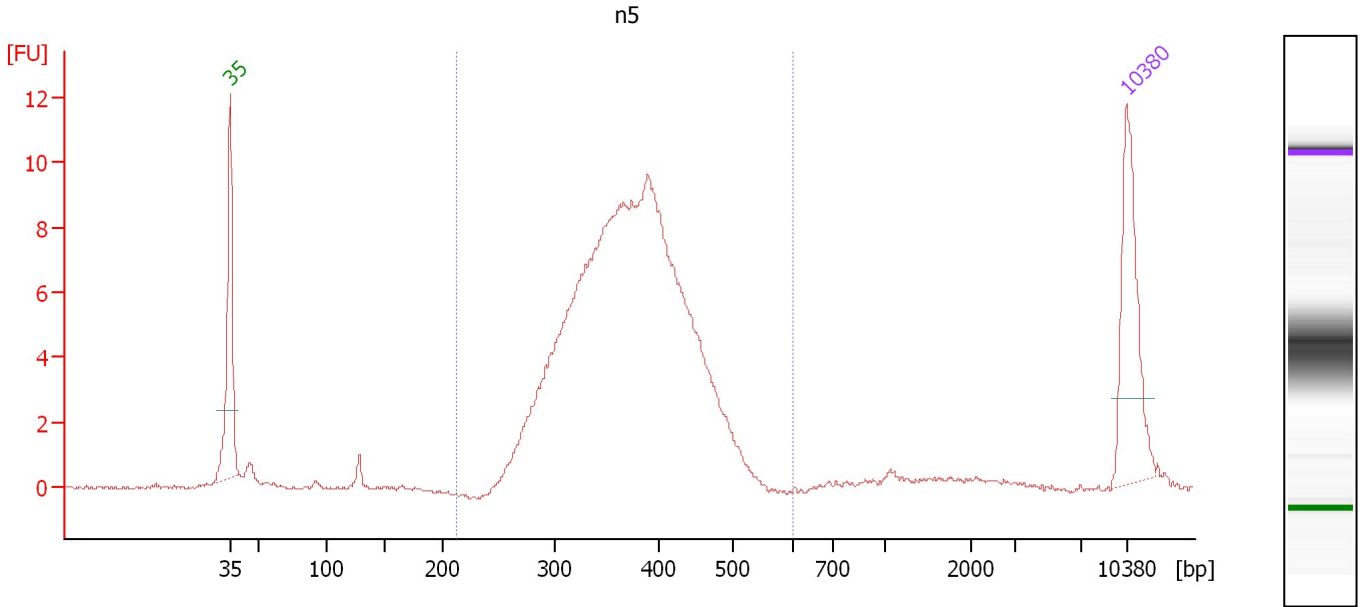
Peak table for Ladder

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	45.22	50	150.00	4,545.5	Ladder Peak
3	50.54	100	150.00	2,272.7	Ladder Peak
4	55.06	150	150.00	1,515.2	Ladder Peak
5	59.54	200	150.00	1,136.4	Ladder Peak
6	68.41	300	150.00	757.6	Ladder Peak
7	76.49	400	150.00	568.2	Ladder Peak
8	82.23	500	150.00	454.5	Ladder Peak
9	86.88	600	150.00	378.8	Ladder Peak
10	90.14	700	150.00	324.7	Ladder Peak
11	94.20	1,000	150.00	227.3	Ladder Peak
12	100.90	2,000	150.00	113.6	Ladder Peak
13	104.25	3,000	150.00	75.8	Ladder Peak
14	109.44	7,000	150.00	32.5	Ladder Peak
15	113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-19\2014-02-19_008.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : n5

Number of peaks found: 0 Corr. Area 1: 143.7
 Noise: 0.1

Peak table for sample 1 : n5

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

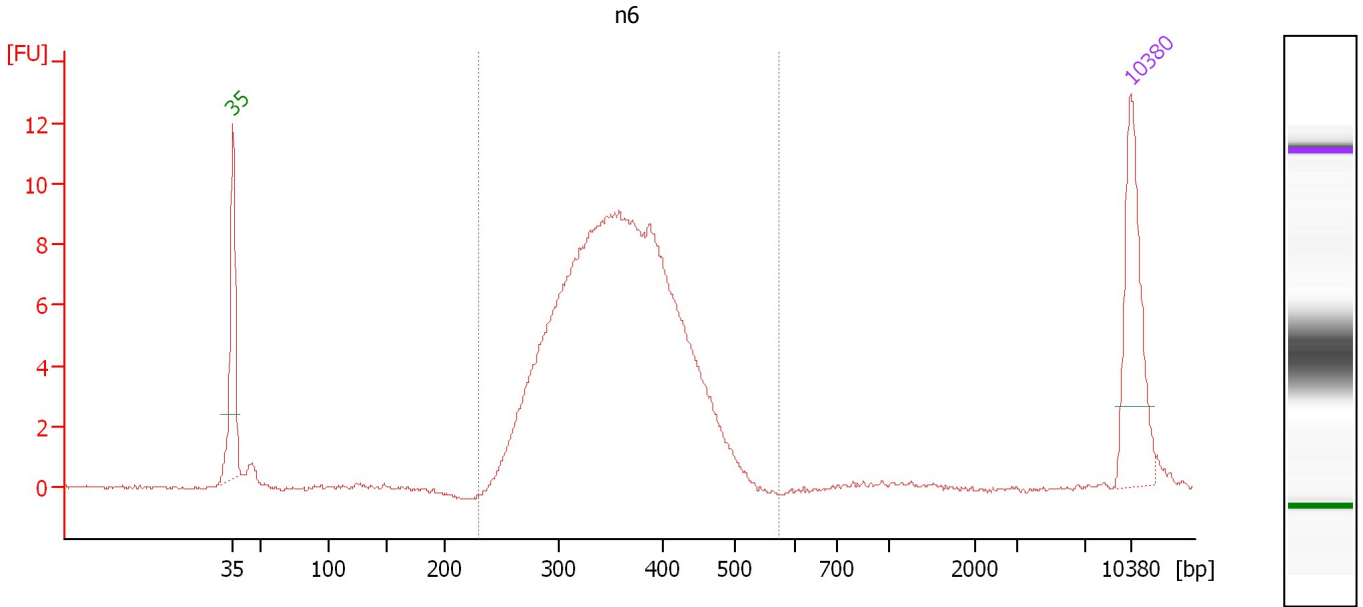
Region table for sample 1 : n5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
214	602	374	4,445.0	1,064.19	143.7	93	15.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-19\2014-02-19_008.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : n6

Number of peaks found: 0 Corr. Area 1: 151.2
 Noise: 0.1

Peak table for sample 2 : n6

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

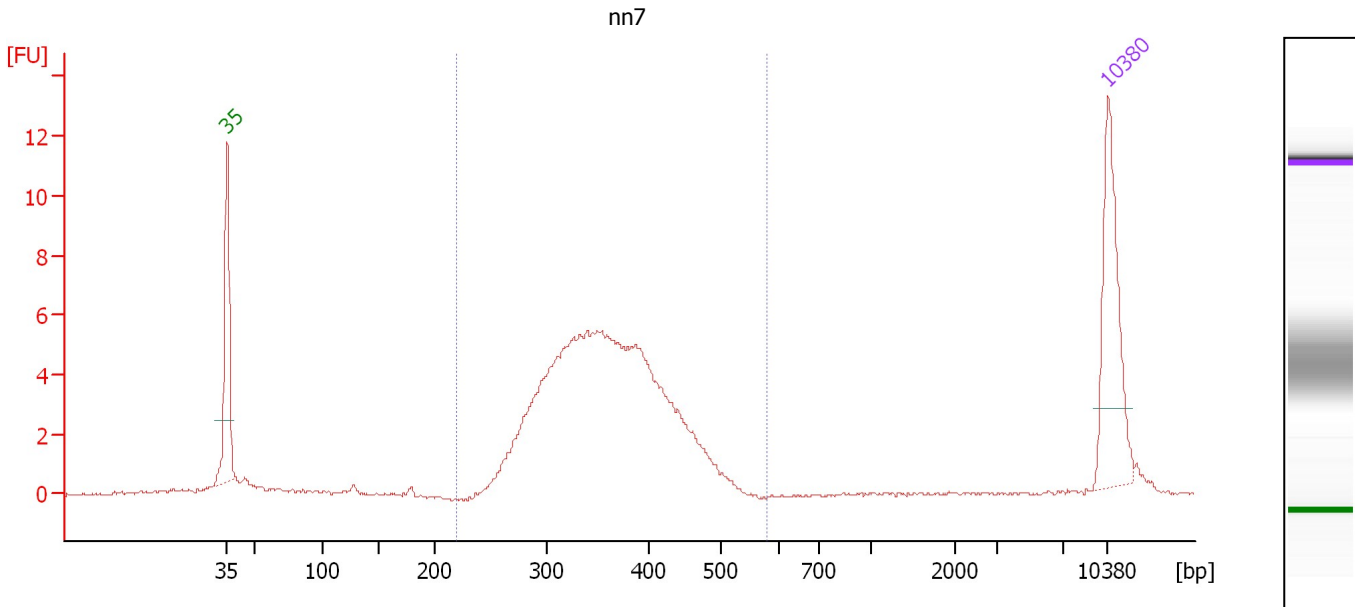
Region table for sample 2 : n6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
229	573	359	4,338.3	996.79	151.2	98	15.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-19\2014-02-19_008.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : nn7

Number of peaks found: 0 Corr. Area 1: 92.2
 Noise: 0.1

Peak table for sample 3 : nn7

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

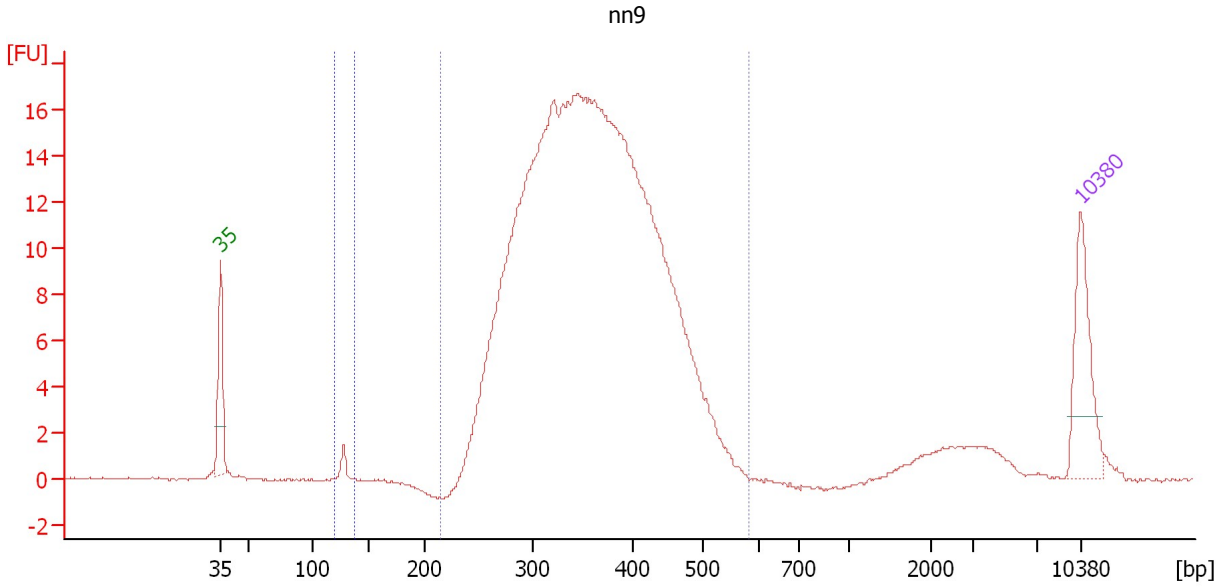
Region table for sample 3 : nn7

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
219	581	360	2,695.4	621.12	92.2	92	15.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-19\2014-02-19_008.xad

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Electropherogram Summary Continued ...



Setpoint Deviations for sample 4 : nn9

Height Threshold [FU] : 7

Overall Results for sample 4 : nn9

Number of peaks found: 0 Corr. Area 1: 322.0
 Noise: 0.0 Corr. Area 2: 1.2

Peak table for sample 4 : nn9

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

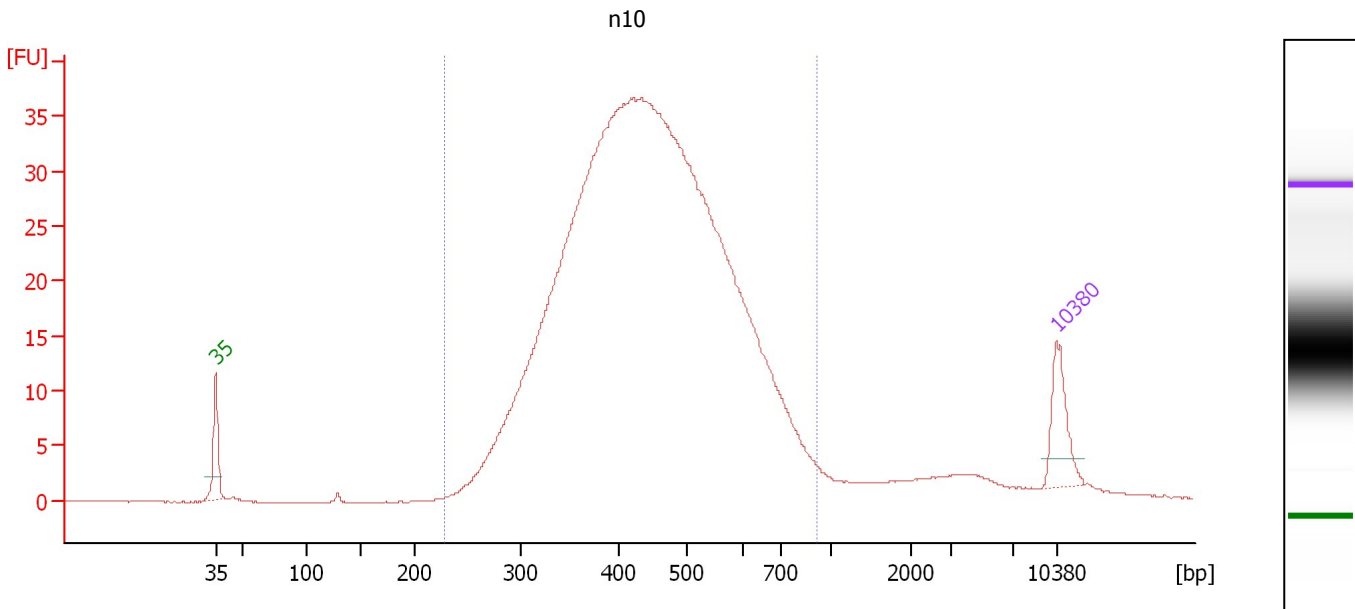
Region table for sample 4 : nn9

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
120	137	127	148.1	12.43	1.2	0	1.5
216	582	361	10,549.0	2,409.69	322.0	96	17.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-19\2014-02-19_008.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : n10

Number of peaks found: 0 Corr. Area 1: 778.7
 Noise: 0.1

Peak table for sample 5 : n10

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

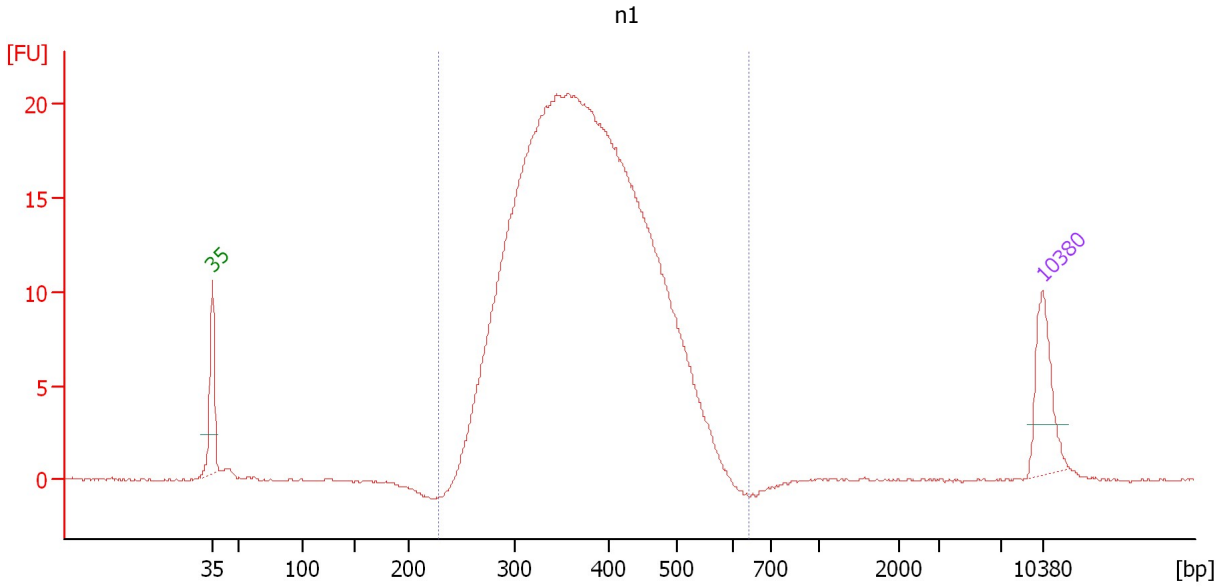
Region table for sample 5 : n10

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
228	912	455	17,403.2	4,830.12	778.7	96	24.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-19\2014-02-19_008.xad

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Electropherogram Summary Continued ...



Overall Results for sample 6 : n1

Number of peaks found: 0 Corr. Area 1: 390.9
 Noise: 0.1

Peak table for sample 6 : n1

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

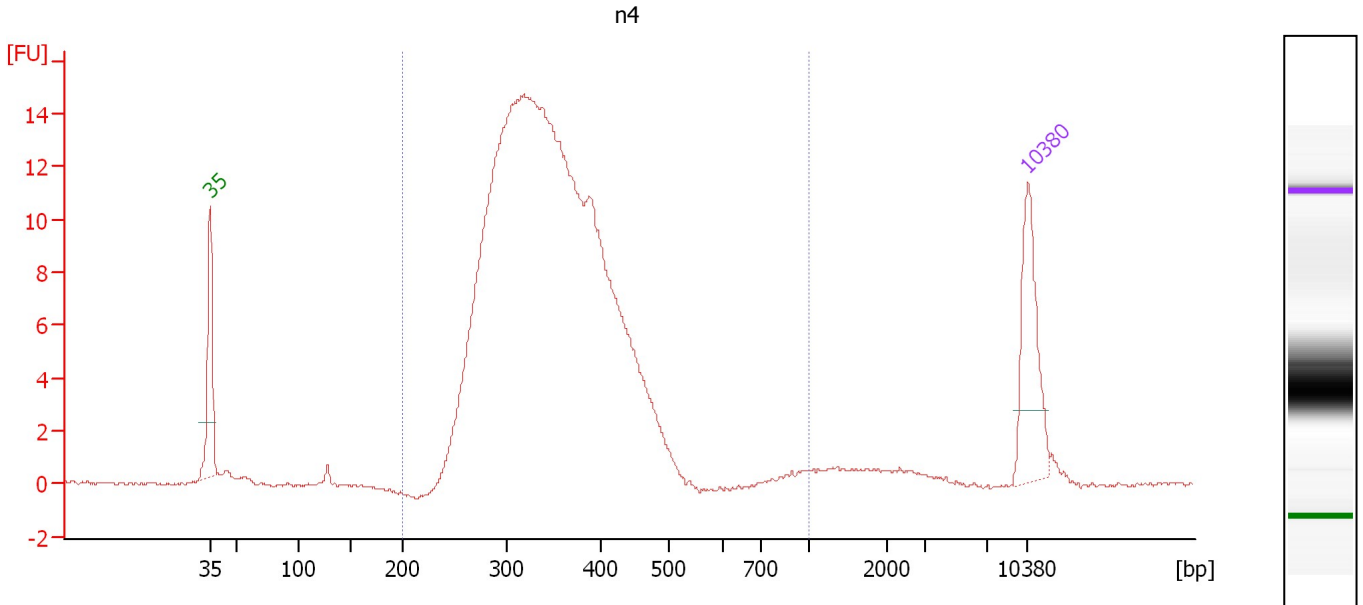
Region table for sample 6 : n1

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
228	643	379	13,502.9	3,228.46	390.9	99	18.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-19\2014-02-19_008.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : n4

Number of peaks found: 0 Corr. Area 1: 244.6
 Noise: 0.1

Peak table for sample 7 : n4

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

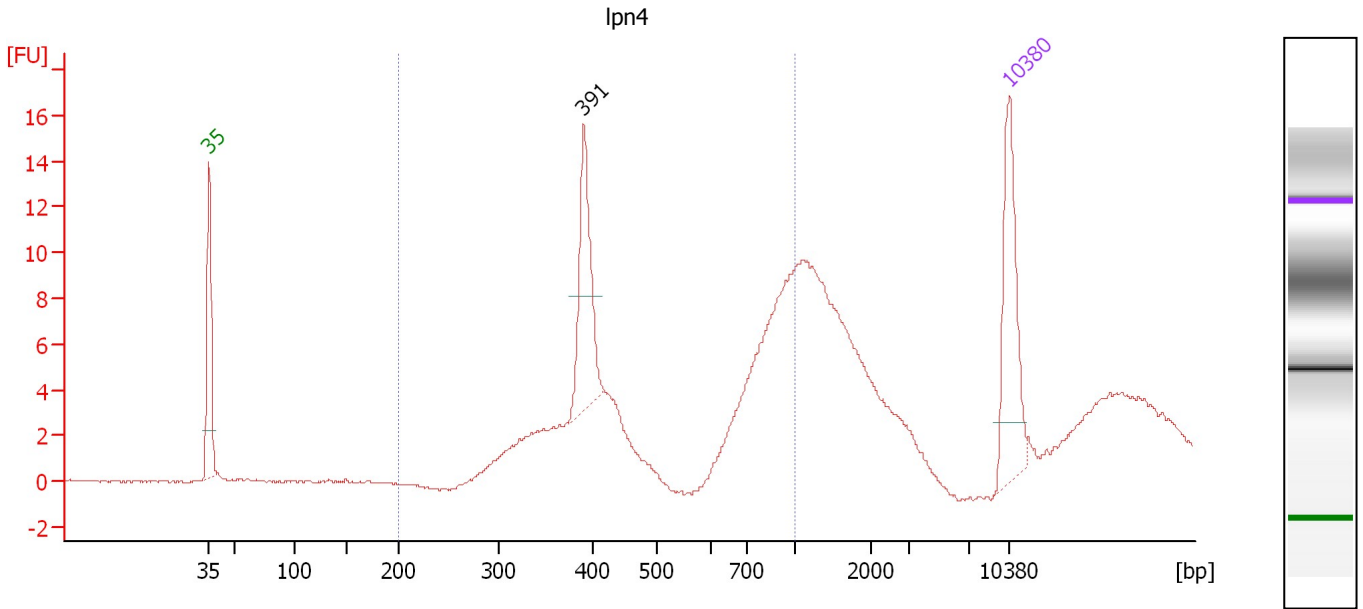
Region table for sample 7 : n4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,000	350	8,068.0	1,788.69	244.6	96	20.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-19\2014-02-19_008.xad

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 Modified: 2/19/2014 5:36:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : lpn4

Number of peaks found: 1 Corr. Area 1: 76.6
 Noise: 0.0

Peak table for sample 8 : lpn4

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	75.78	391	100.85	390.5	
3	113.00	10,380	75.00	10.9	Upper Marker

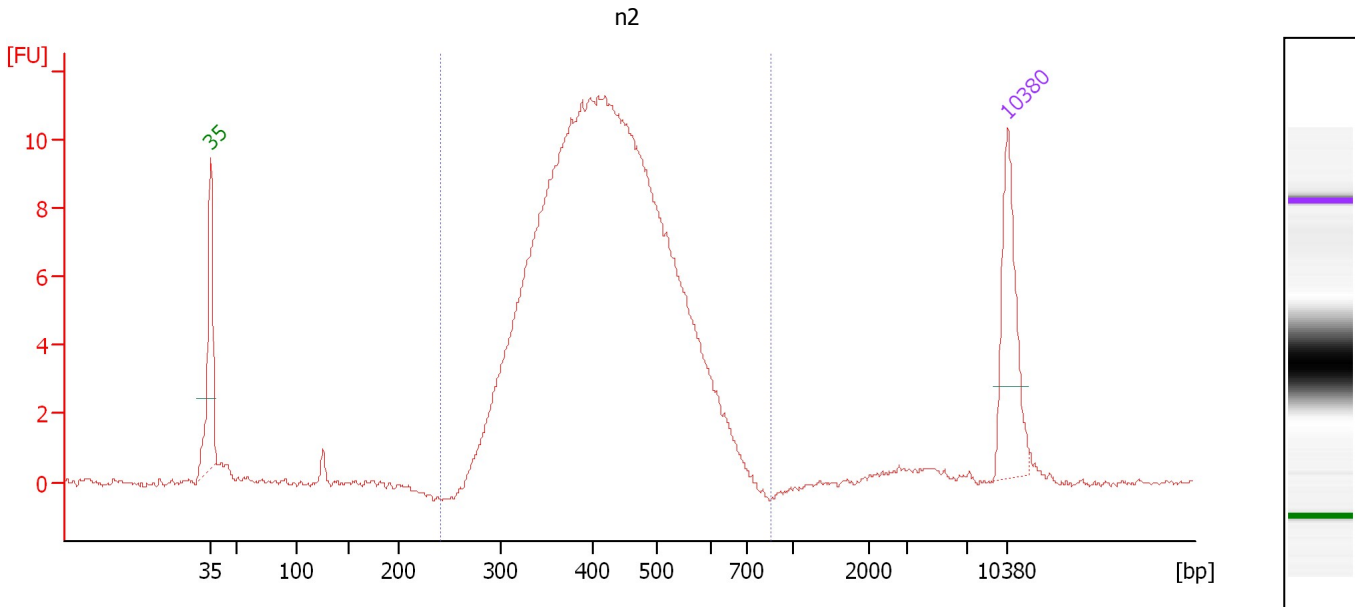
Region table for sample 8 : lpn4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,000	594	1,235.3	394.05	76.6	55	39.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-19\2014-02-19_008.xad

Created: 2/19/2014 4:08:41 PM
 Modified: 2/19/2014 5:36:52 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : n2

Number of peaks found: 0 Corr. Area 1: 205.6
 Noise: 0.1

Peak table for sample 9 : n2

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

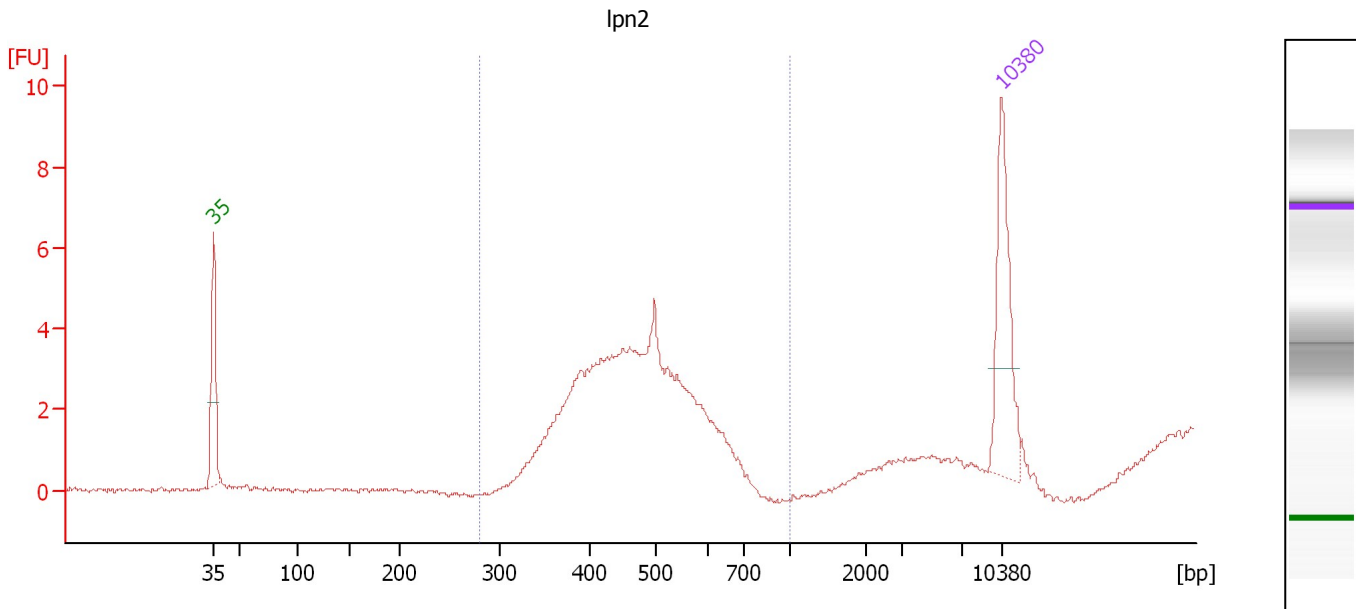
Region table for sample 9 : n2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
242	851	429	6,291.7	1,694.11	205.6	97	19.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-19\2014-02-19_008.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : lpn2

Number of peaks found: 0 Corr. Area 1: 40.3
 Noise: 0.1

Peak table for sample 10 : lpn2

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

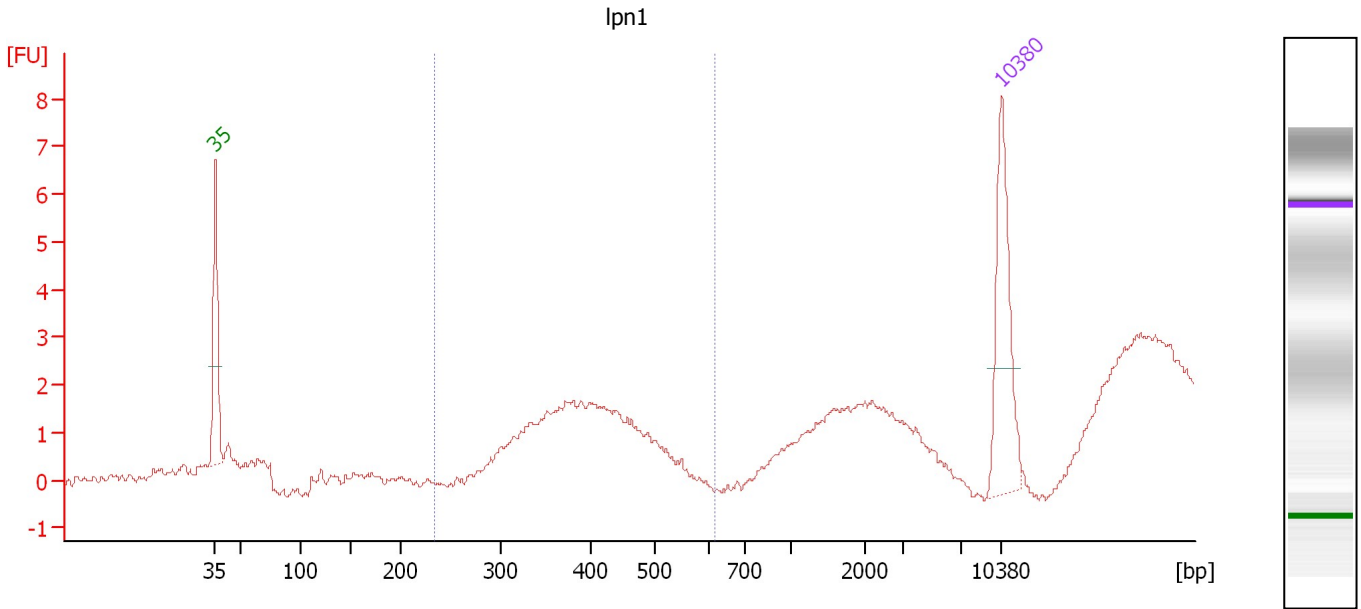
Region table for sample 10 : lpn2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
279	1,000	466	1,311.9	391.86	40.3	100	15.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-19\2014-02-19_008.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : lpn1

Number of peaks found: 0 Corr. Area 1: 5.2
 Noise: 0.1

Peak table for sample 11 : lpn1

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

Region table for sample 11 : lpn1

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
234	621	385	225.8	56.97	5.2	54	8.4

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-19\2014-02-19_008.xad

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Modified: 2/19/2014 5:36:52 PM

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