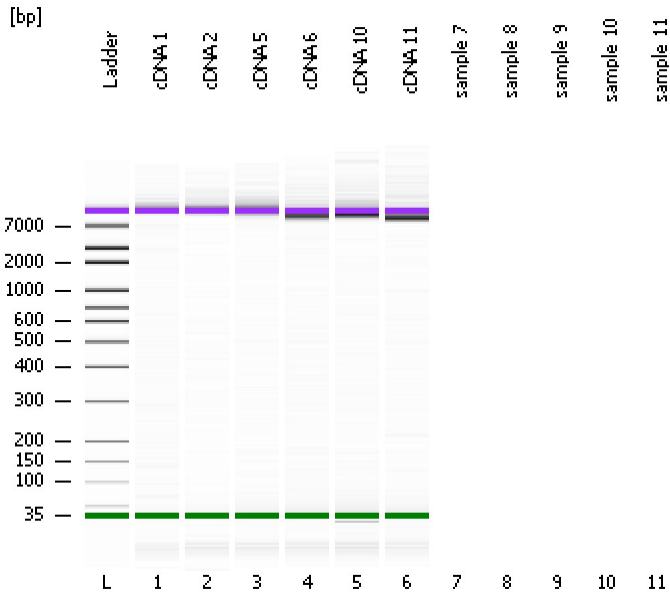


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-11\2014-06-11_002.xad

Created: 6/11/2014 5:12:27 PM
Modified: 6/11/2014 5:40:10 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

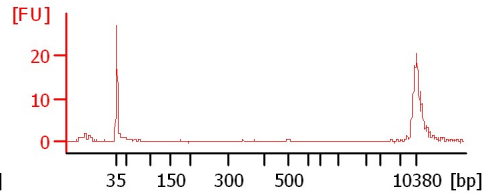
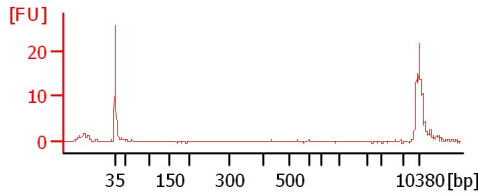
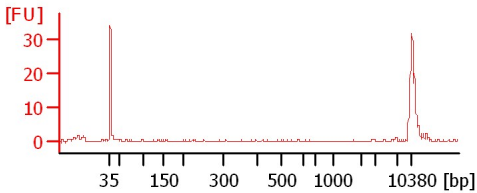
Chip Information:

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

cDNA 1

cDNA 2

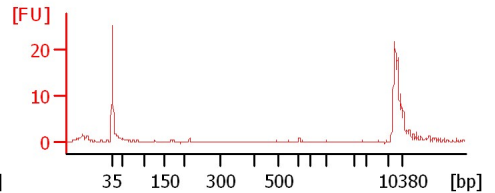
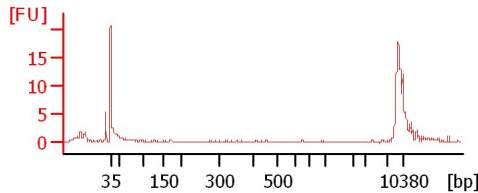
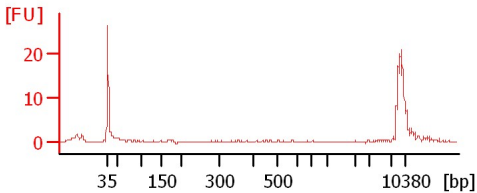
cDNA 5



cDNA 6

cDNA 10

cDNA 11



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-11\2014-06-11_002.xad

Created: 6/11/2014 5:12:27 PM
 Modified: 6/11/2014 5:40:10 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
cDNA 1		<input type="checkbox"/>	✓			
cDNA 2		<input type="checkbox"/>	✓			
cDNA 5		<input type="checkbox"/>	✓			
cDNA 6		<input type="checkbox"/>	✓			
cDNA 10		<input type="checkbox"/>	✓			
cDNA 11		<input type="checkbox"/>	✓			
sample 7		<input type="checkbox"/>				
sample 8		<input type="checkbox"/>				
sample 9		<input type="checkbox"/>				
sample 10		<input type="checkbox"/>				
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-11\2014-06-11_002.xad

Created: 6/11/2014 5:12:27 PM
Modified: 6/11/2014 5:40:10 PM

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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

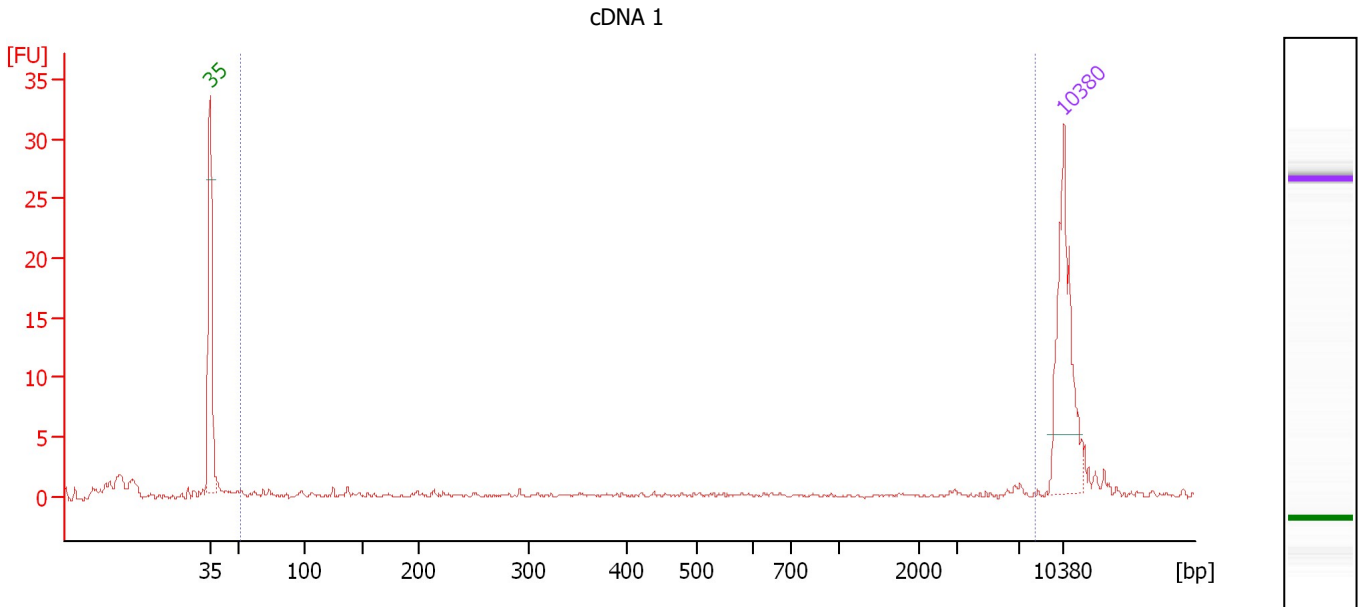
Ladder

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:\... bioanalyzer\2100 expert\Data\2014-06-11\2014-06-11_002.xad

Created: 6/11/2014 5:12:27 PM
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Electropherogram Summary



Overall Results for sample 1 : cDNA 1

Number of peaks found: 0 Corr. Area 1: 2.4
 Noise: 0.1

Peak table for sample 1 : cDNA 1

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

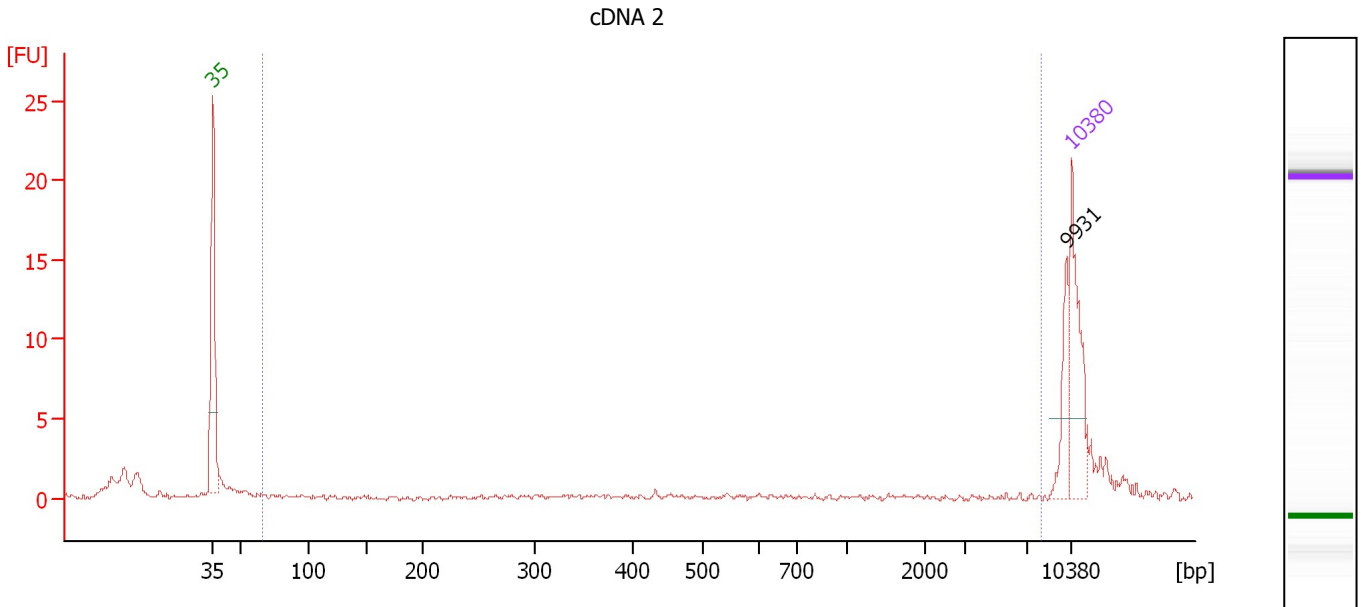
Region table for sample 1 : cDNA 1

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
51	8,193	4,566	15.4	6.24	2.4	18	55.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-11\2014-06-11_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : cDNA 2

Number of peaks found: 1 Corr. Area 1: 2.9
 Noise: 0.2

Peak table for sample 2 : cDNA 2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	9,931	38.48	5.9	
3	10,380	75.00	10.9	Upper Marker

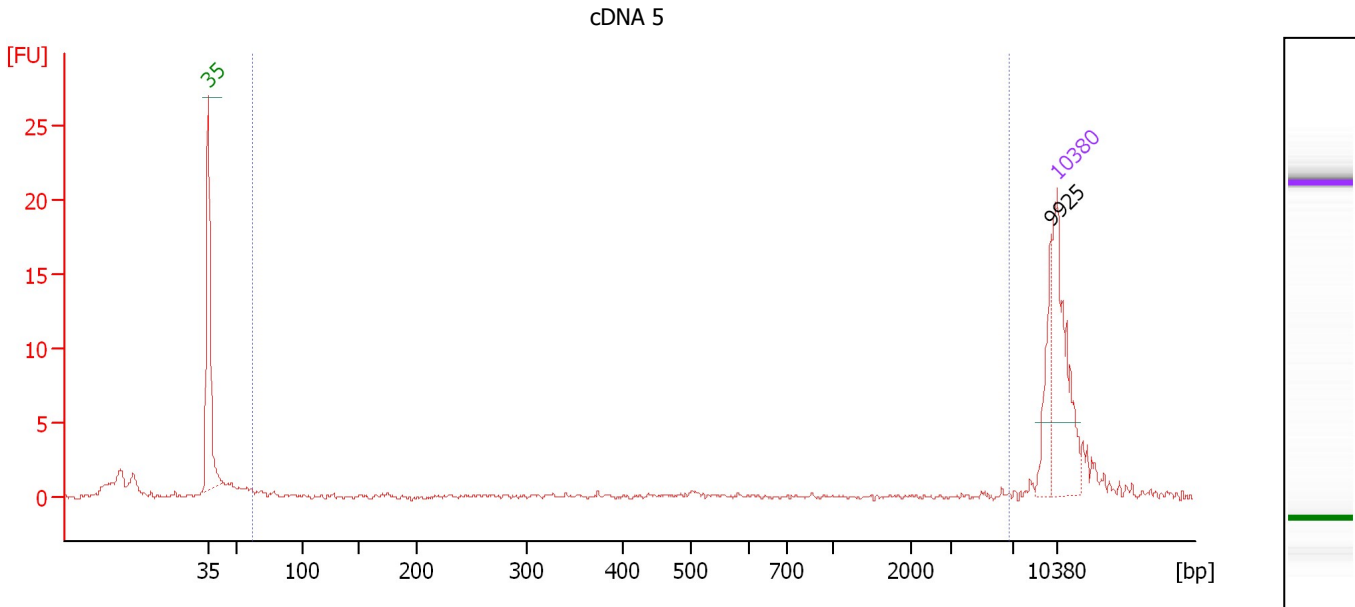
Region table for sample 2 : cDNA 2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
65	8,030	1,128	154.1	19.77	2.9	9	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-11\2014-06-11_002.xad

Created: 6/11/2014 5:12:27 PM
 Modified: 6/11/2014 5:40:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : cDNA 5

Number of peaks found: 1 Corr. Area 1: 8.9
 Noise: 0.1

Peak table for sample 3 : cDNA 5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	9,925	31.52	4.8	
3	10,380	75.00	10.9	Upper Marker

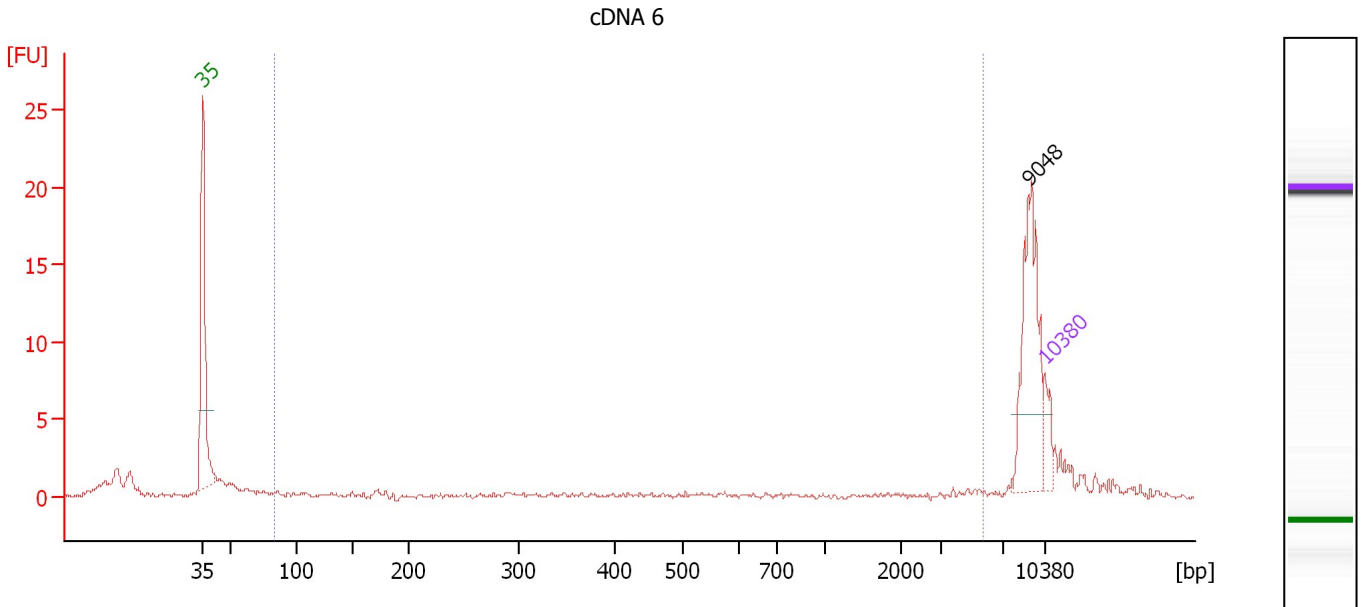
Region table for sample 3 : cDNA 5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
62	6,799	920	449.4	46.53	8.9	21	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-11\2014-06-11_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : cDNA 6

Number of peaks found: 1 Corr. Area 1: 7.2
 Noise: 0.2

Peak table for sample 4 : cDNA 6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	9,048	502.02	84.1	
3	10,380	75.00	10.9	Upper Marker

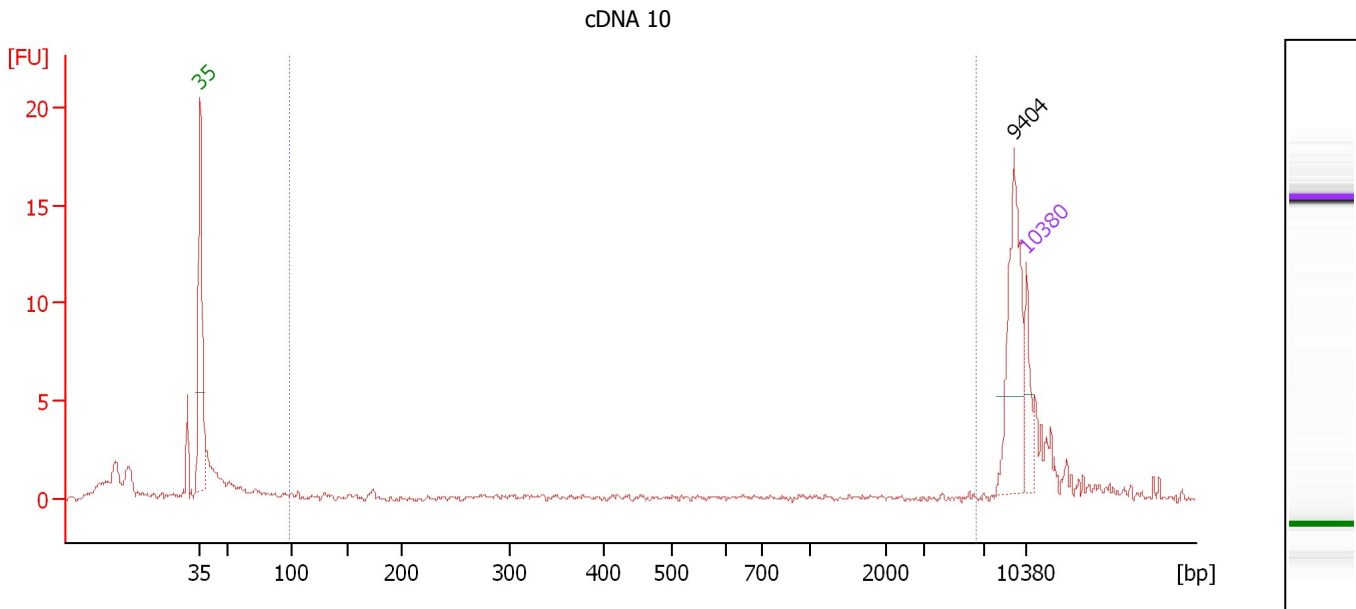
Region table for sample 4 : cDNA 6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
83	5,696	1,443	999.7	183.95	7.2	12	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-11\2014-06-11_002.xad

Created: 6/11/2014 5:12:27 PM
 Modified: 6/11/2014 5:40:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : cDNA 10

Number of peaks found: 1 Corr. Area 1: 4.8
 Noise: 0.2

Peak table for sample 5 : cDNA 10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	9,404	271.15	43.7	
3	10,380	75.00	10.9	Upper Marker

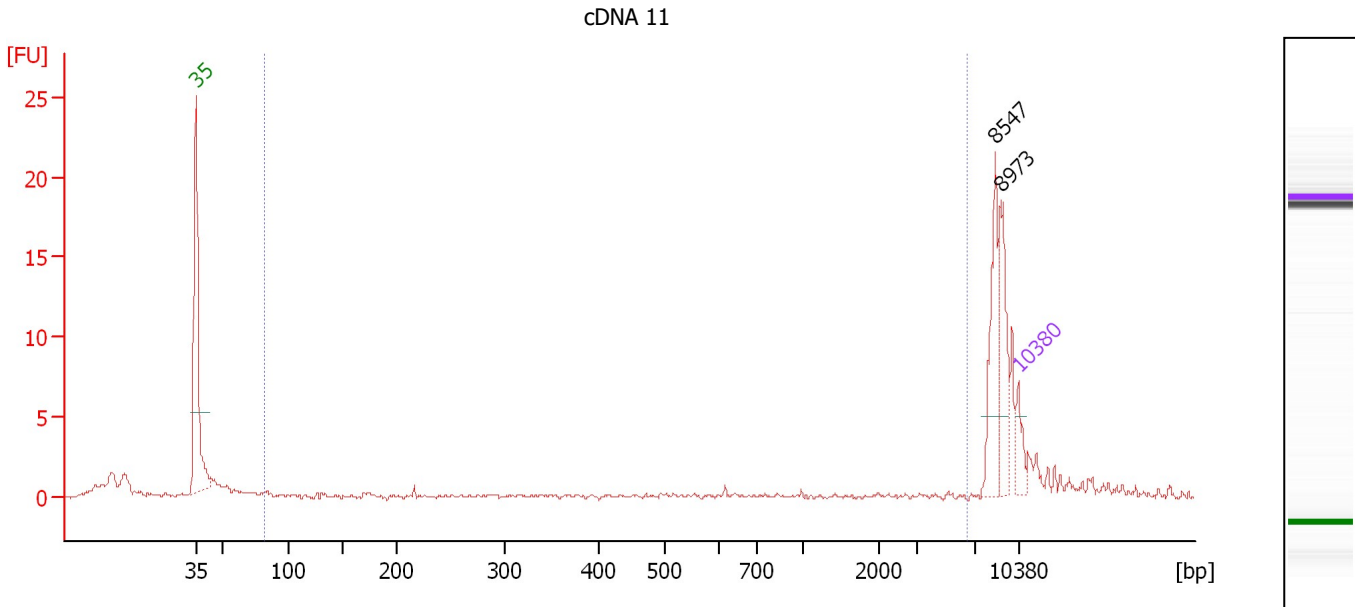
Region table for sample 5 : cDNA 10

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
97	6,458	781	773.9	107.98	4.8	8	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-11\2014-06-11_002.xad

Created: 6/11/2014 5:12:27 PM
 Modified: 6/11/2014 5:40:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : cDNA 11

Number of peaks found: 2 Corr. Area 1: 7.0
 Noise: 0.1

Peak table for sample 6 : cDNA 11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	8,547	292.39	51.8	
3	8,973	238.05	40.2	
4	10,380	75.00	10.9	Upper Marker

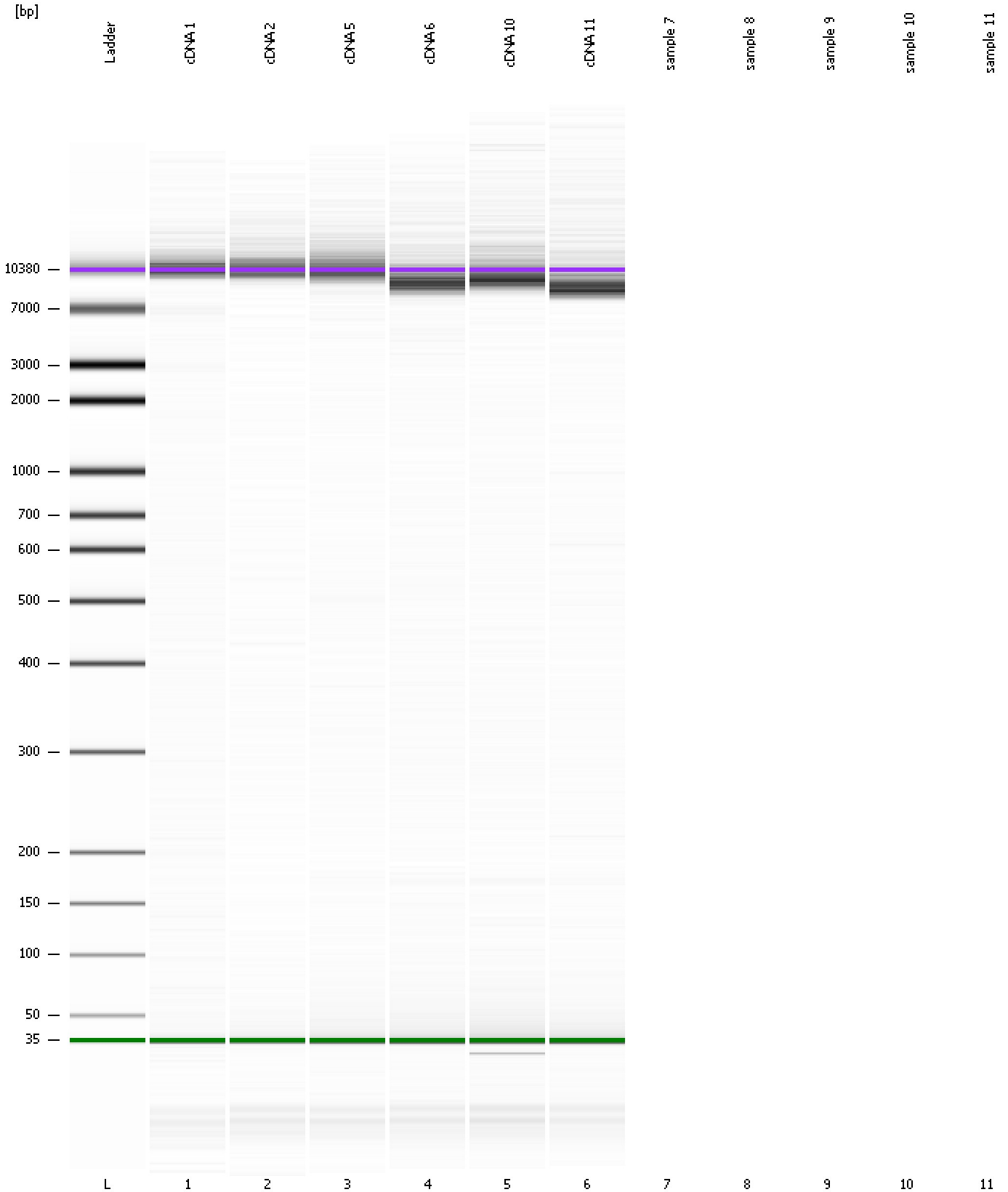
Region table for sample 6 : cDNA 11

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
82	6,434	849	1,622.0	224.01	7.0	11	100.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-11\2014-06-11_002.xad

Created: 6/11/2014 5:12:27 PM
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Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-11\2014-06-11_002.xad

Created: 6/11/2014 5:12:27 PM
Modified: 6/11/2014 5:40:10 PM

Invalid Samples

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.