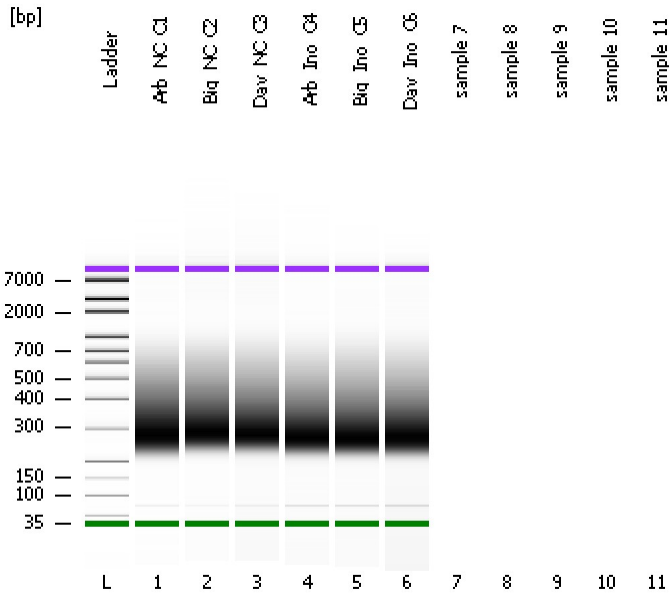


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-27\2017-09-27_001.xad

Created: 9/27/2017 10:24:13 AM
Modified: 9/27/2017 10:54:36 AM

Electrophoresis File Run Summary



Instrument Information:

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

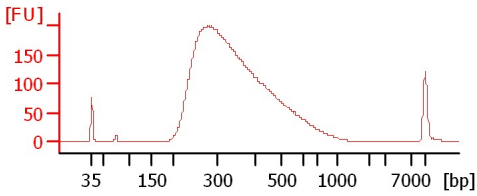
Assay Information:

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

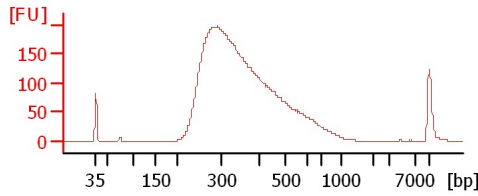
Chip Information:

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

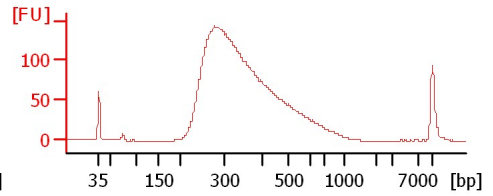
Arb_NC_C1



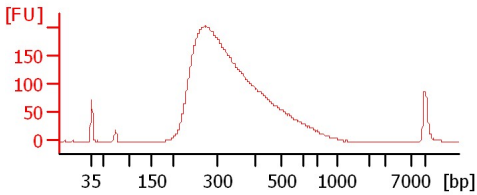
Big_NC_C2



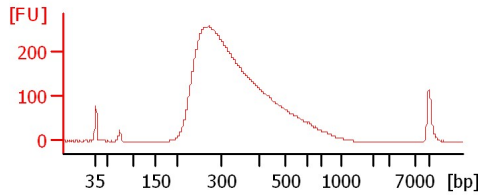
Dav_NC_C3



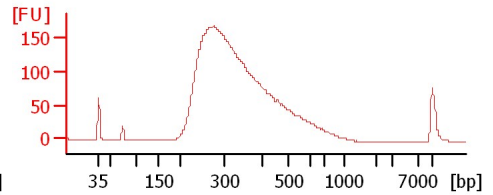
Arb_Ino_C4



Big_Ino_C5



Dav_Ino_C6



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-27\2017-09-27_001.xad

Created: 9/27/2017 10:24:13 AM
 Modified: 9/27/2017 10:54:36 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Arb_NC_C1		<input type="checkbox"/>	✓			
Big_NC_C2		<input type="checkbox"/>	✓			
Dav_NC_C3		<input type="checkbox"/>	✓			
Arb_Ino_C4		<input type="checkbox"/>	✓			
Big_Ino_C5		<input type="checkbox"/>	✓			
Dav_Ino_C6		<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\2017-09-27\2017-09-27_001.xad

Created: 9/27/2017 10:24:13 AM
Modified: 9/27/2017 10:54:36 AM

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

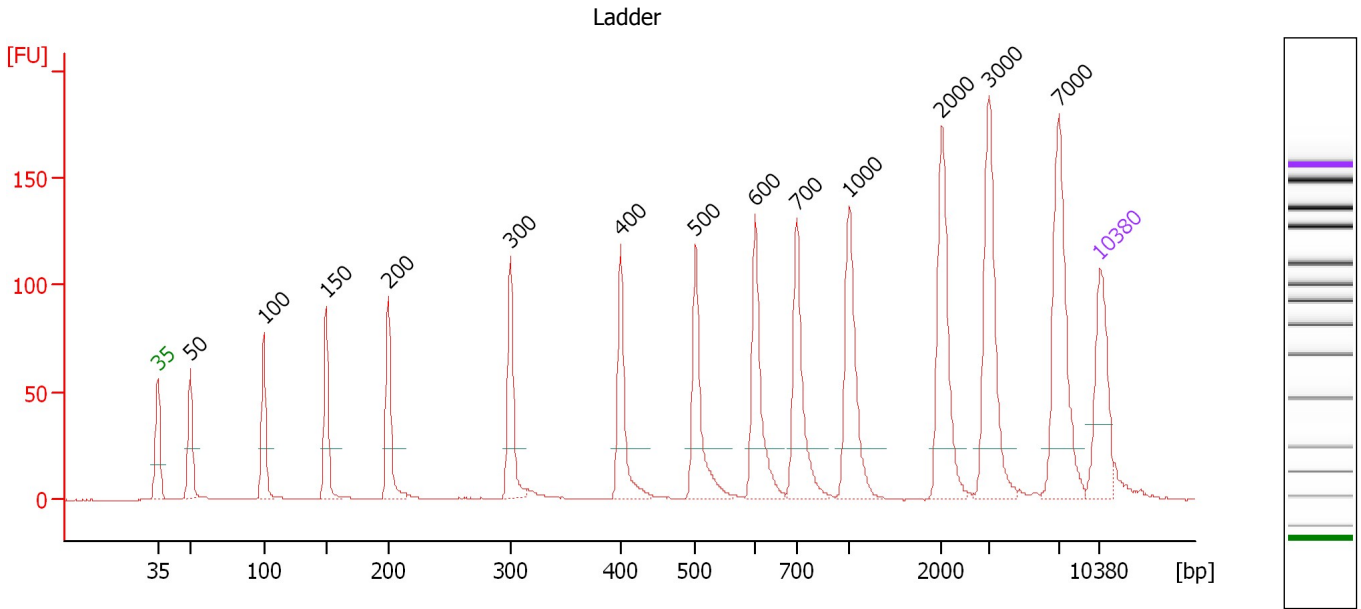
Ladder

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:\... bioanalyzer\2100 expert\data\2017-09-27\2017-09-27_001.xad

Created: 9/27/2017 10:24:13 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

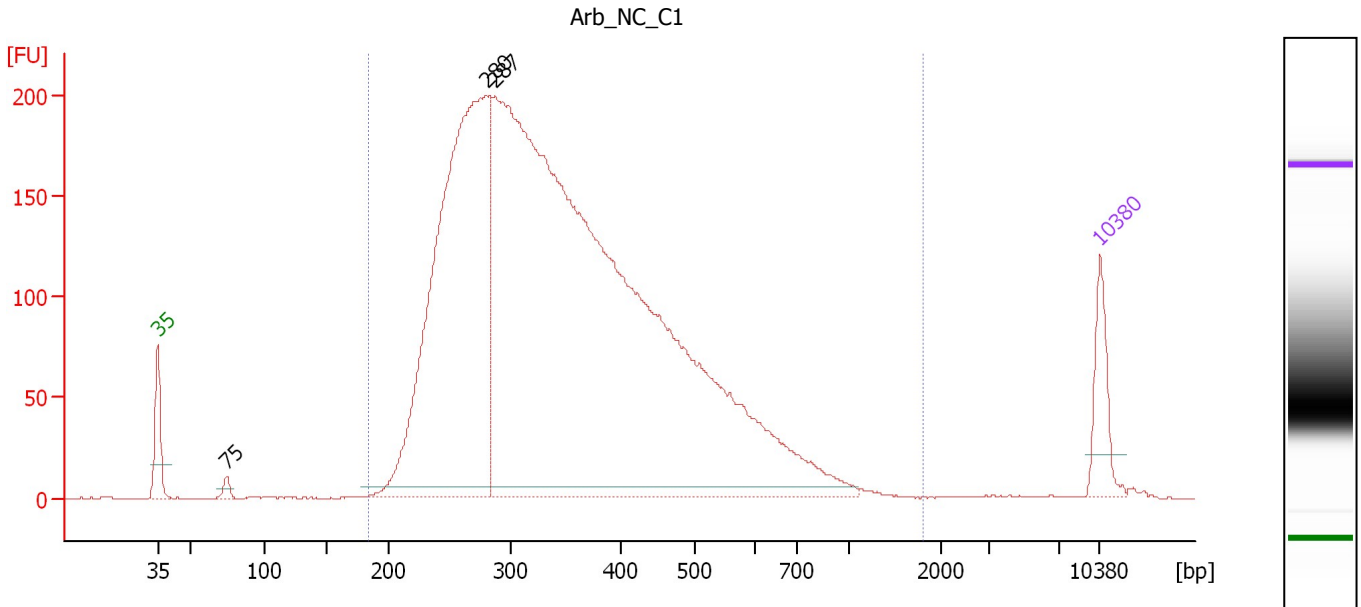
Peak table for Ladder

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	45.42
3	100	150.00	2,272.7	Ladder Peak	50.87
4	150	150.00	1,515.2	Ladder Peak	55.52
5	200	150.00	1,136.4	Ladder Peak	60.17
6	300	150.00	757.6	Ladder Peak	69.23
7	400	150.00	568.2	Ladder Peak	77.38
8	500	150.00	454.5	Ladder Peak	82.98
9	600	150.00	378.8	Ladder Peak	87.39
10	700	150.00	324.7	Ladder Peak	90.47
11	1,000	150.00	227.3	Ladder Peak	94.41
12	2,000	150.00	113.6	Ladder Peak	101.24
13	3,000	150.00	75.8	Ladder Peak	104.75
14	7,000	150.00	32.5	Ladder Peak	109.96
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-27\2017-09-27_001.xad

Created: 9/27/2017 10:24:13 AM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : Arb NC C1

Number of peaks found: 3 Corr. Area 1: 4,602.7
 Noise: 0.2

Peak table for sample 1 : Arb NC C1

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	75	17.20	349.2		48.11
3	280	1,498.67	8,112.6		67.41
4	287	3,793.32	20,049.5		68.02
5	10,380	75.00	10.9	Upper Marker	113.00

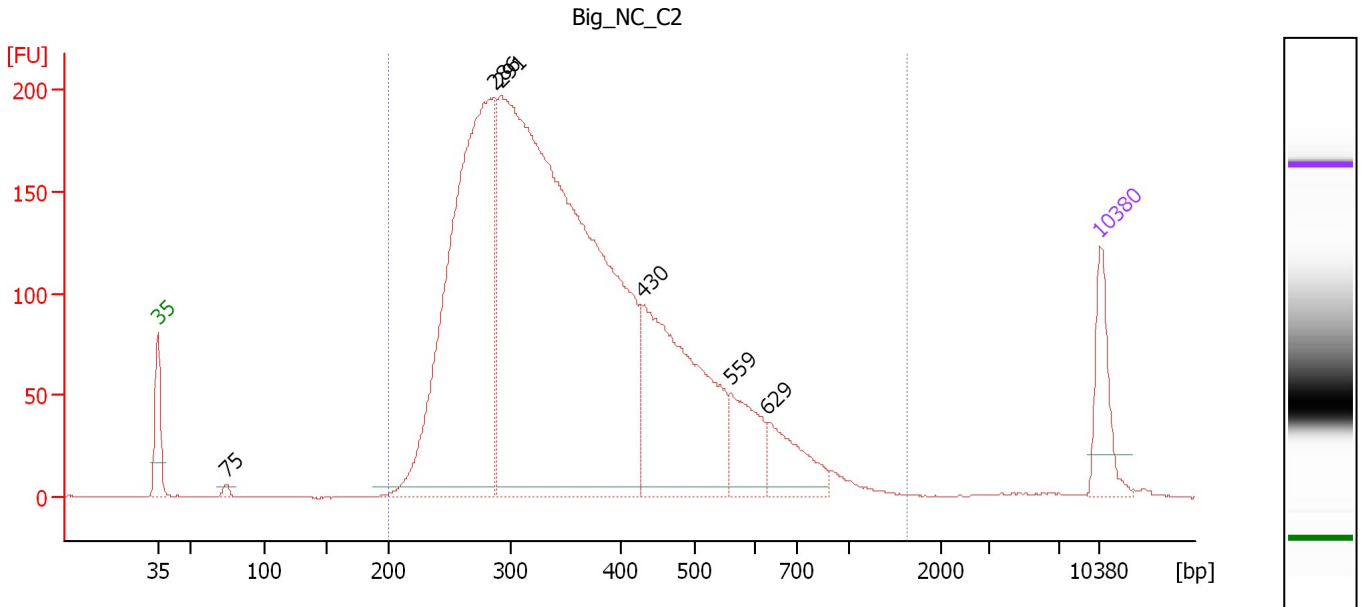
Region table for sample 1 : Arb NC C1

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
184	1,795	366	4,602.7	22,440.2	4,787.42	99	36.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-27\2017-09-27_001.xad

Created: 9/27/2017 10:24:13 AM
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Electropherogram Summary Continued ...



Overall Results for sample 2 : Big_NC_C2

Number of peaks found: 6 Corr. Area 1: 4,189.9
 Noise: 0.2

Peak table for sample 2 : Big_NC_C2

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	75	8.88	180.2		48.11
3	286	1,092.57	5,778.8		68.00
4	291	2,189.37	11,391.2		68.43
5	430	493.37	1,737.5		79.08
6	559	111.32	301.7		85.58
7	629	99.58	240.1		88.27
8	10,380	75.00	10.9	Upper Marker	113.00

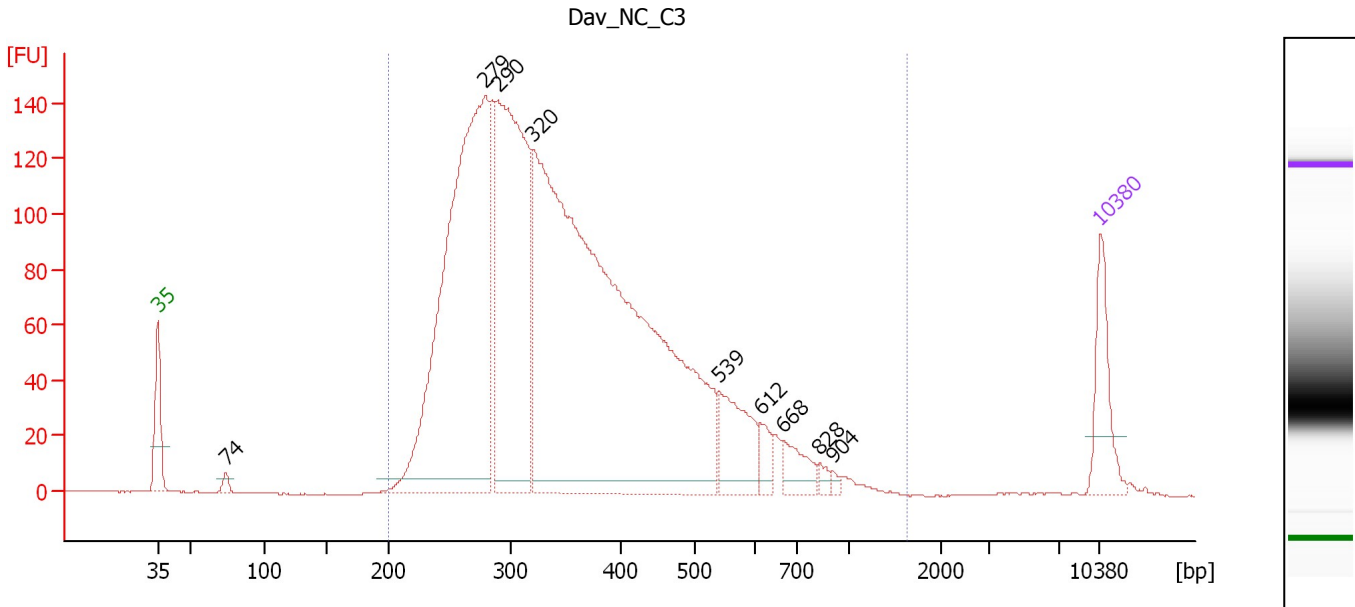
Region table for sample 2 : Big_NC_C2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,630	377	4,189.9	17,446.4	3,841.61	99	36.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-27\2017-09-27_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : Dav_NC_C3

Number of peaks found: 9 Corr. Area 1: 2,989.0
 Noise: 0.2

Peak table for sample 3 : Dav_NC_C3

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	74	13.76	280.6		48.07
3	279	1,044.32	5,667.0		67.34
4	290	691.62	3,618.5		68.28
5	320	1,795.36	8,505.5		70.84
6	539	124.43	350.0		84.69
7	612	26.81	66.3		87.77
8	668	46.83	106.2		89.49
9	828	10.50	19.2		92.16
10	904	5.56	9.3		93.15
11	10,380	75.00	10.9	Upper Marker	113.00

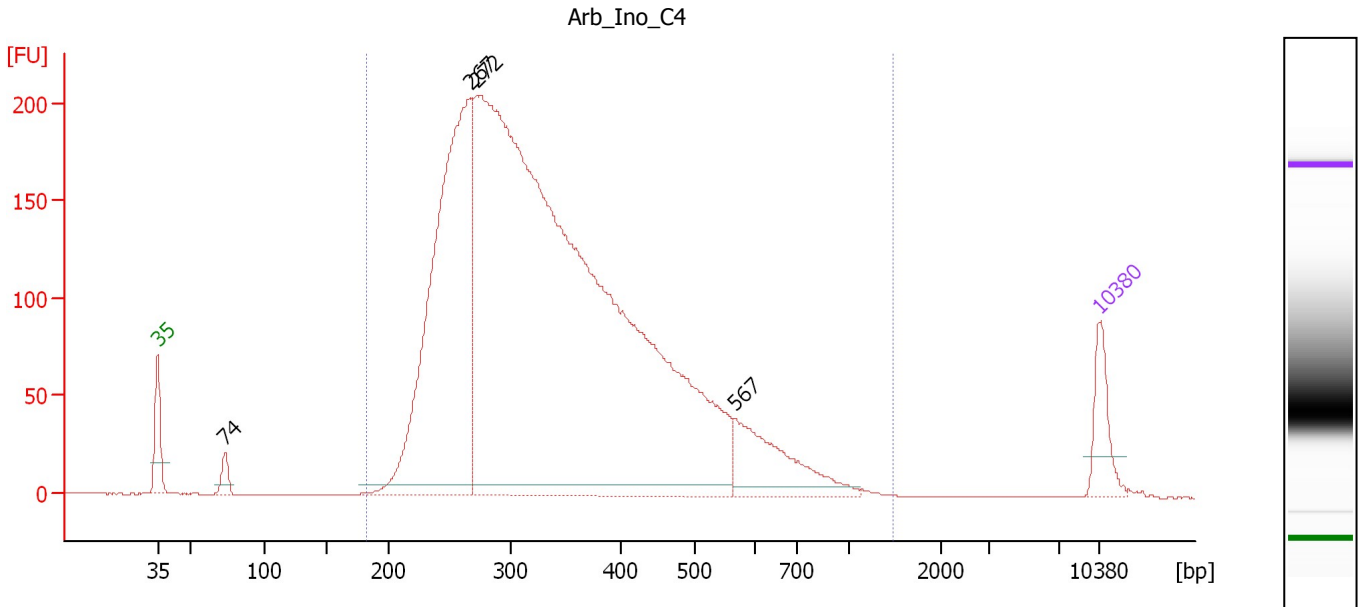
Region table for sample 3 : Dav_NC_C3

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,632	371	2,989.0	17,005.3	3,690.82	99	36.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-27\2017-09-27_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : Arb_Ino_C4

Number of peaks found: 4 Corr. Area 1: 4,289.1
 Noise: 0.1

Peak table for sample 4 : Arb_Ino_C4

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	74	37.33	768.5		47.99
3	267	1,300.52	7,391.8		66.20
4	272	4,223.66	23,514.9		66.70
5	567	218.92	585.4		85.92
6	10,380	75.00	10.9	Upper Marker	113.00

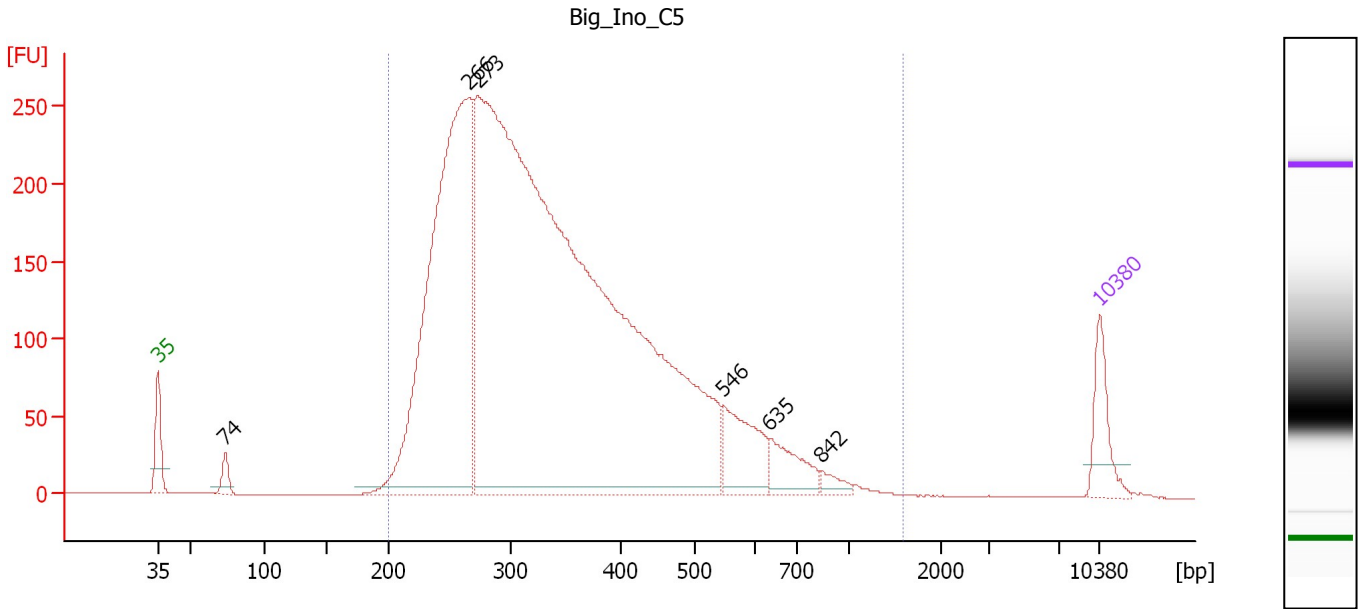
Region table for sample 4 : Arb_Ino_C4

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
183	1,468	356	4,289.1	24,846.4	5,196.17	99	34.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-27\2017-09-27_001.xad

Created: 9/27/2017 10:24:13 AM
 Modified: 9/27/2017 10:54:36 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Big_Ino_C5

Number of peaks found: 6 Corr. Area 1: 5,517.5
 Noise: 0.2

Peak table for sample 5 : Big_Ino_C5

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	74	38.03	780.1		48.02
3	266	1,445.66	8,231.8		66.15
4	273	4,126.50	22,894.9		66.79
5	546	161.93	449.1		85.02
6	635	89.86	214.3		88.48
7	842	23.84	42.9		92.33
8	10,380	75.00	10.9	Upper Marker	113.00

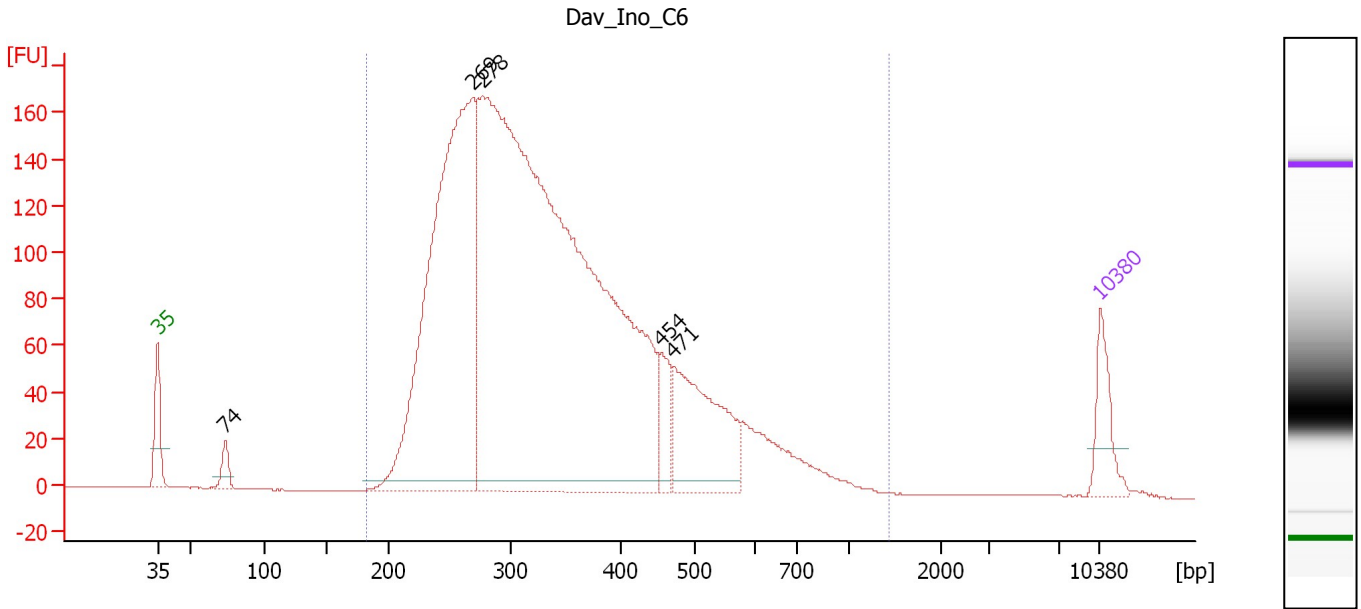
Region table for sample 5 : Big_Ino_C5

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,588	358	5,517.5	25,485.3	5,320.64	99	37.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-27\2017-09-27_001.xad

Created: 9/27/2017 10:24:13 AM
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Electropherogram Summary Continued ...



Overall Results for sample 6 : Dav Ino C6

Number of peaks found: 5 Corr. Area 1: 3,641.3
 Noise: 0.1

Peak table for sample 6 : Dav Ino C6

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	74	43.67	897.1		48.01
3	269	1,442.74	8,133.6		66.40
4	278	3,357.40	18,322.9		67.20
5	454	90.34	301.7		80.39
6	471	331.04	1,065.9		81.33
7	10,380	75.00	10.9	Upper Marker	113.00

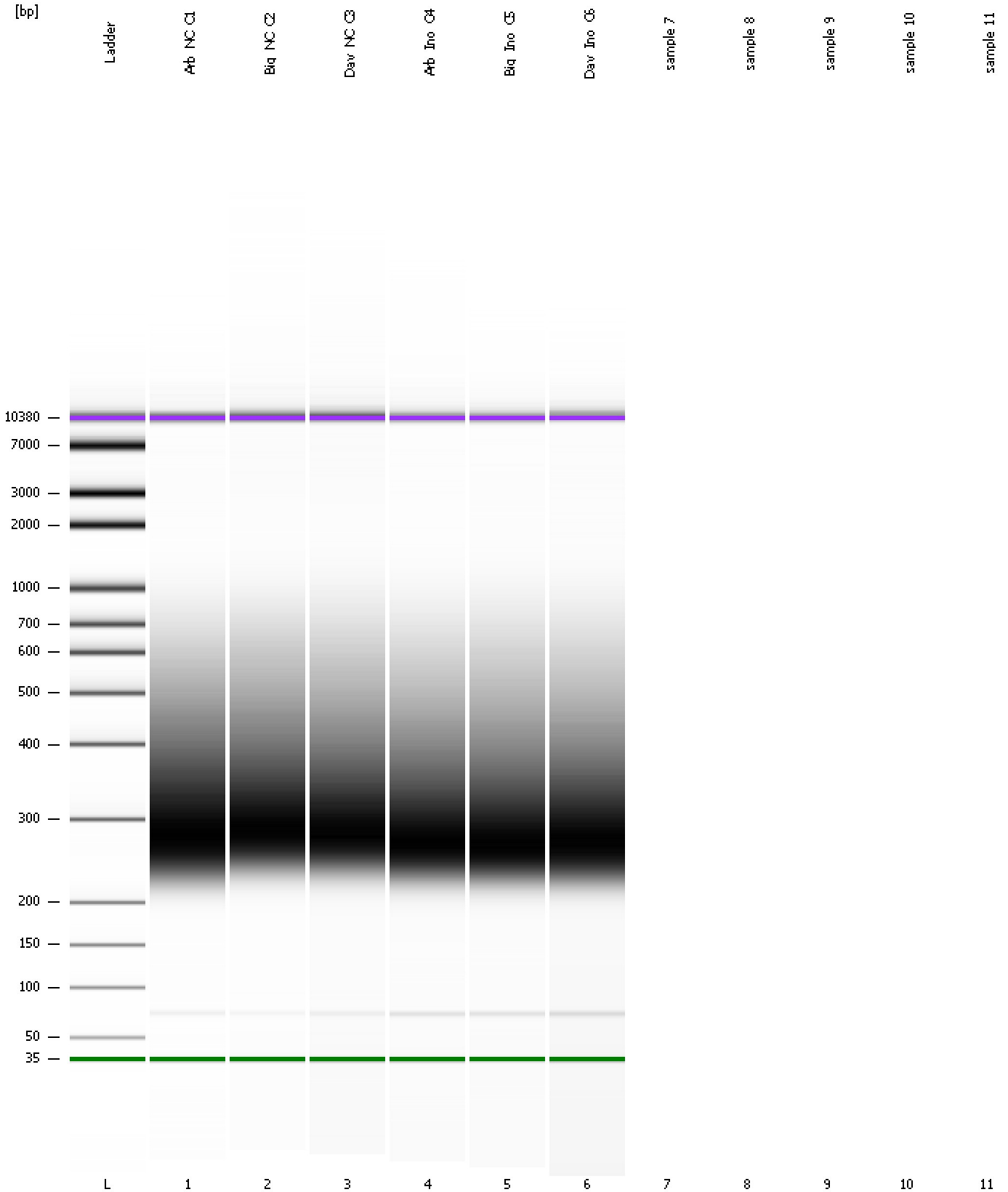
Region table for sample 6 : Dav Ino C6

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
183	1,432	354	3,641.3	24,283.7	5,050.48	99	34.6

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-27\2017-09-27_001.xad

Created: 9/27/2017 10:24:13 AM
Modified: 9/27/2017 10:54:36 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-09-27\2017-09-27_001.xad

Created: 9/27/2017 10:24:13 AM
Modified: 9/27/2017 10:54:36 AM

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.