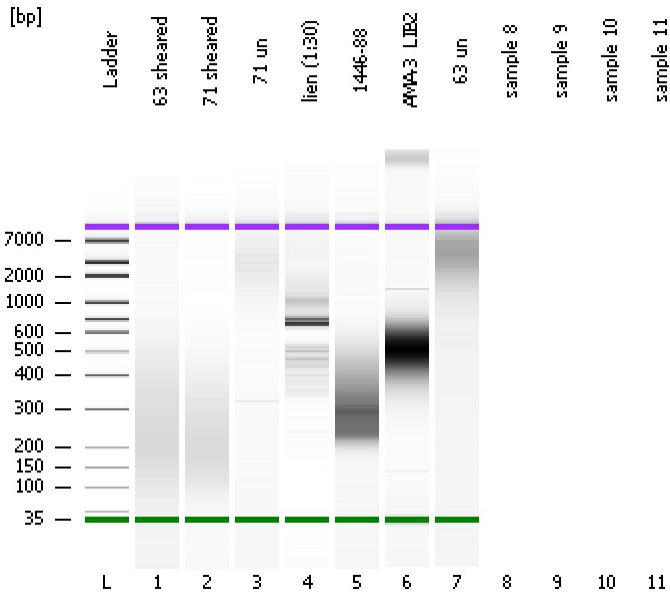


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-04\2018-09-04_001.xad

Created: 9/4/2018 12:07:55 PM
Modified: 9/4/2018 12:48:15 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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

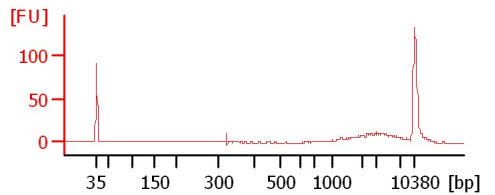
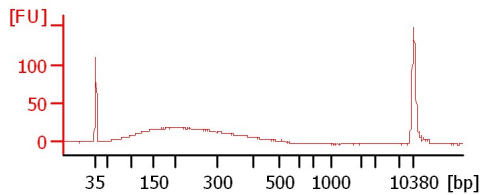
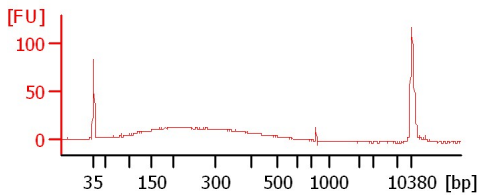
Chip Information:

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

63 sheared

71 sheared

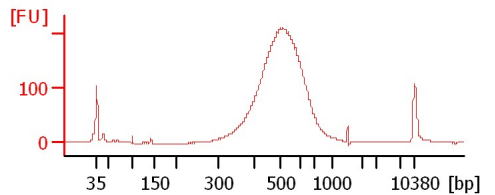
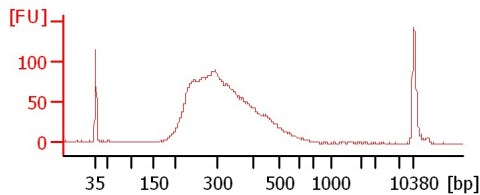
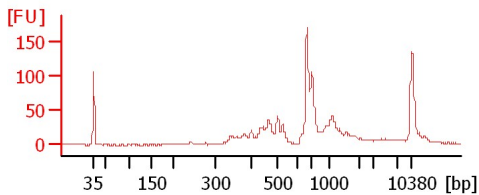
71 un



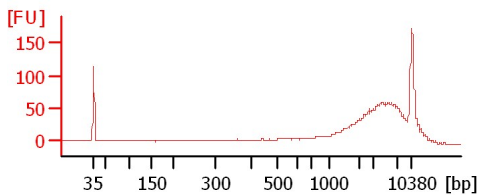
lien (1:30)

1446-88

AMA-3_LIB2



63 un



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-04\2018-09-04_001.xad

Created: 9/4/2018 12:07:55 PM
 Modified: 9/4/2018 12:48:15 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
63 sheared		<input type="checkbox"/>	✓			
71 sheared		<input type="checkbox"/>	✓			
71 un		<input type="checkbox"/>	✓			
lien (1:30)		<input type="checkbox"/>	✓			
1446-88		<input type="checkbox"/>	✓			
AMA-3_LIB2		<input type="checkbox"/>	✓			
63 un		<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\2018-09-04\2018-09-04_001.xad

Created: 9/4/2018 12:07:55 PM
Modified: 9/4/2018 12:48:15 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/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

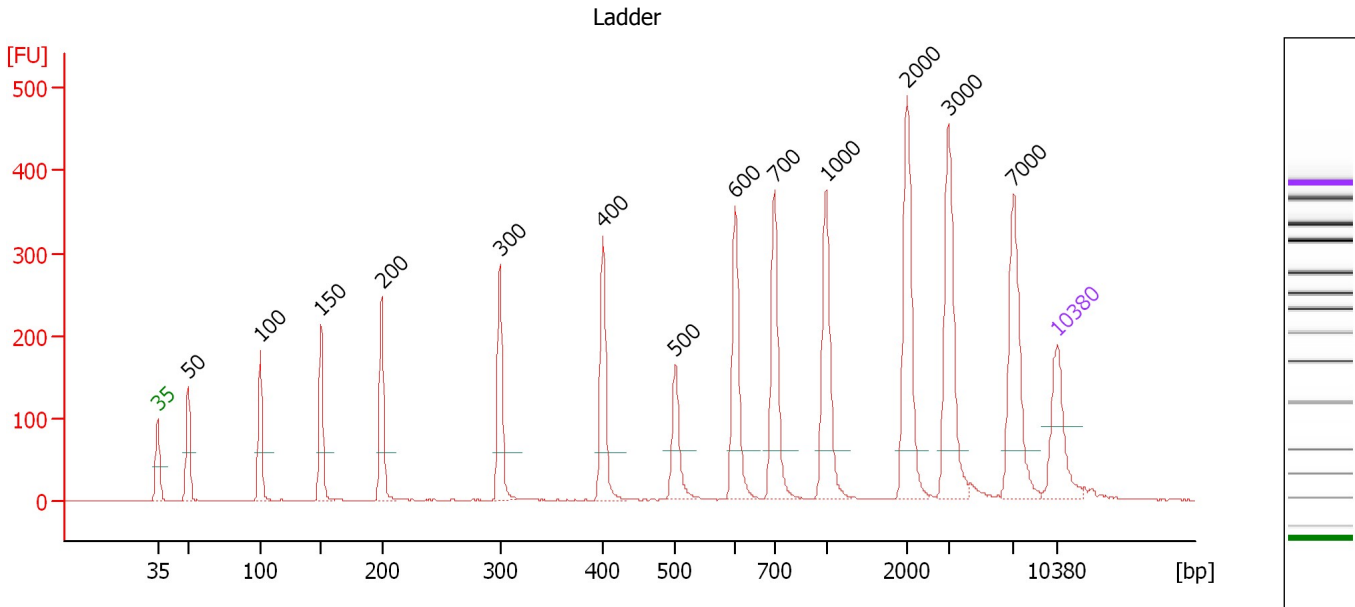
Ladder

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\2018-09-04\2018-09-04_001.xad

Created: 9/4/2018 12:07:55 PM
 Modified: 9/4/2018 12:48:15 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

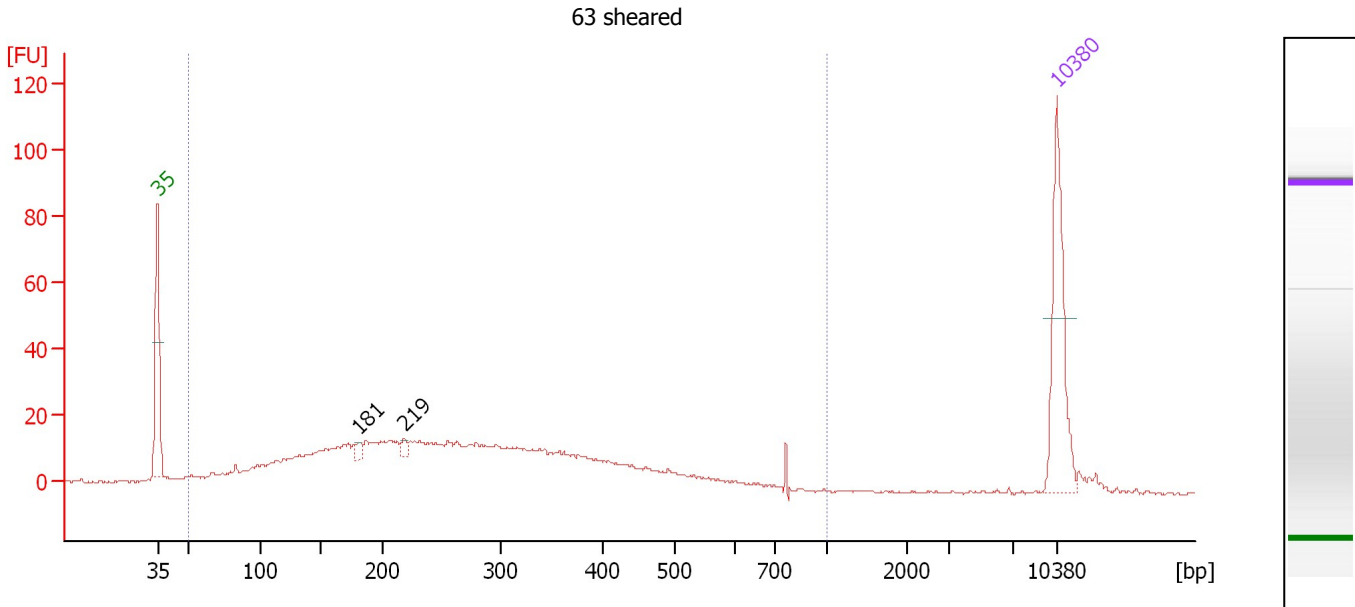
Peak table for Ladder

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	45.36
3	100	150.00	2,272.7	Ladder Peak	50.98
4	150	150.00	1,515.2	Ladder Peak	55.74
5	200	150.00	1,136.4	Ladder Peak	60.45
6	300	150.00	757.6	Ladder Peak	69.65
7	400	150.00	568.2	Ladder Peak	77.67
8	500	150.00	454.5	Ladder Peak	83.30
9	600	150.00	378.8	Ladder Peak	87.97
10	700	150.00	324.7	Ladder Peak	91.02
11	1,000	150.00	227.3	Ladder Peak	95.03
12	2,000	150.00	113.6	Ladder Peak	101.31
13	3,000	150.00	75.8	Ladder Peak	104.54
14	7,000	150.00	32.5	Ladder Peak	109.64
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-04\2018-09-04_001.xad

Created: 9/4/2018 12:07:55 PM
 Modified: 9/4/2018 12:48:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 63 sheared

Number of peaks found: 2 Corr. Area 1: 611.8
 Noise: 0.4

Peak table for sample 1 : 63 sheared

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	181	6.90	57.8		58.66
3	219	5.71	39.5		62.23
4	10,380	75.00	10.9	Upper Marker	113.00

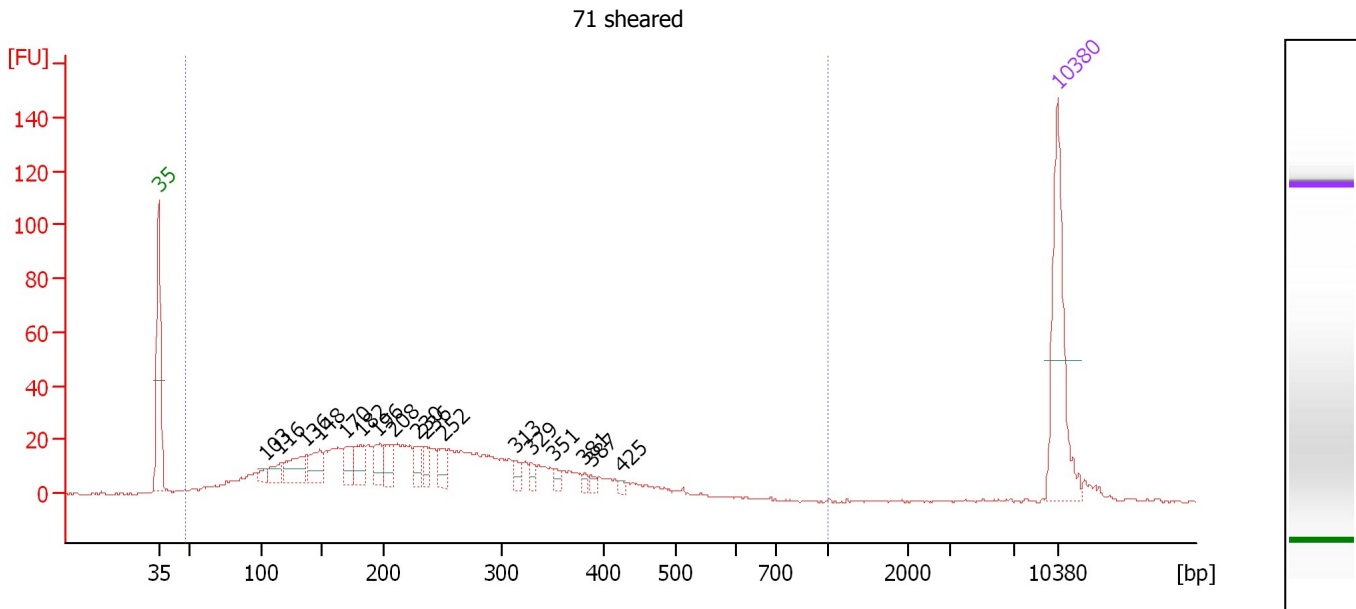
Region table for sample 1 : 63 sheared

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
50	1,000	282	754.20	611.8	5,917.6	95	47.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-04\2018-09-04_001.xad

Created: 9/4/2018 12:07:55 PM
 Modified: 9/4/2018 12:48:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 71 sheared

Number of peaks found: 17 Corr. Area 1: 755.5
 Noise: 0.3

Peak table for sample 2 : 71 sheared

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	103	7.48	110.0		51.27
3	116	15.24	199.7		52.46
4	136	34.63	385.7		54.41
5	148	29.12	298.8		55.51
6	170	20.30	181.2		57.59
7	182	23.72	197.5		58.74
8	196	22.38	173.4		60.02
9	208	19.52	141.9		61.22
10	230	14.89	98.3		63.16
11	236	13.44	86.2		63.78
12	252	17.22	103.7		65.20
13	313	9.16	44.3		70.73
14	329	7.08	32.6		72.01
15	351	5.65	24.4		73.78
16	381	4.39	17.5		76.12
17	387	4.50	17.6		76.65
18	425	3.01	10.7		79.08
19	10,380	75.00	10.9	Upper Marker	113.00

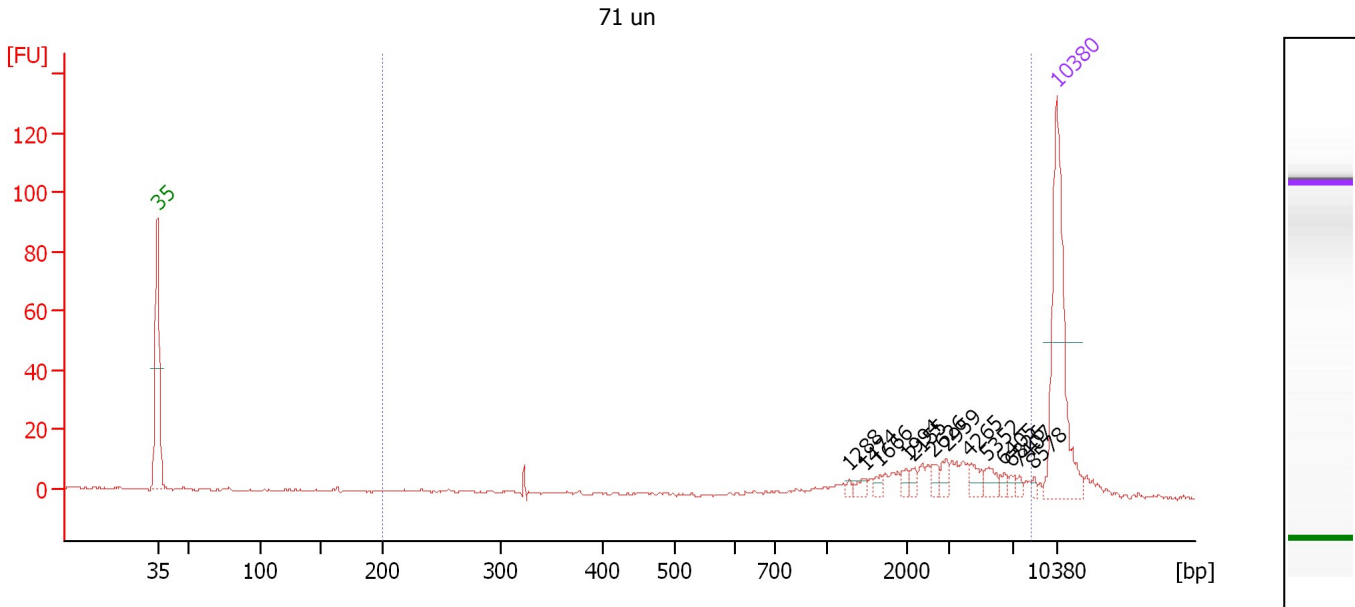
Region table for sample 2 : 71 sheared

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
49	1,000	243	738.37	755.5	6,217.5	97	42.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-04\2018-09-04_001.xad

Created: 9/4/2018 12:07:55 PM
 Modified: 9/4/2018 12:48:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 71 un

Number of peaks found: 13 Corr. Area 1: 144.2
 Noise: 0.3

Peak table for sample 3 : 71 un

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	1,288	1.93	2.3		96.84
3	1,474	3.60	3.7		98.01
4	1,666	3.14	2.9		99.21
5	1,994	3.38	2.6		101.27
6	2,155	3.55	2.5		101.81
7	2,626	4.39	2.5		103.33
8	2,959	5.20	2.7		104.41
9	4,265	6.54	2.3		106.15
10	5,352	7.30	2.1		107.54
11	6,405	2.82	0.7		108.88
12	6,826	2.67	0.6		109.42
13	7,407	2.17	0.4		110.05
14	8,578	1.85	0.3		111.21
15	10,380	75.00	10.9	Upper Marker	113.00

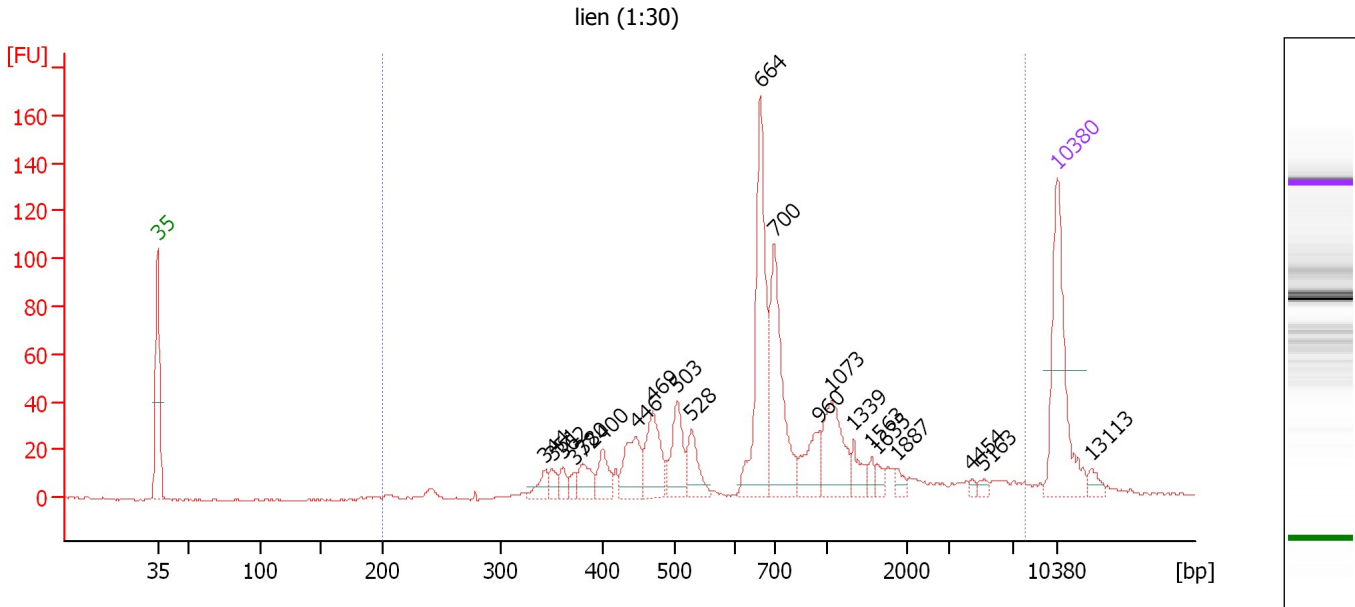
Region table for sample 3 : 71 un

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	8,435	3,124	94.30	144.2	120.8	74	65.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-04\2018-09-04_001.xad

Created: 9/4/2018 12:07:55 PM
 Modified: 9/4/2018 12:48:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : lien (1:30)

Number of peaks found: 21 Corr. Area 1: 810.3
 Noise: 0.5

Peak table for sample 4 : lien (1:30)

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	344	13.00	57.2		73.18
3	351	8.99	38.8		73.72
4	362	9.51	39.9		74.58
5	372	6.31	25.7		75.44
6	380	18.63	74.3		76.08
7	400	19.84	75.2		77.66
8	446	36.60	124.4		80.24
9	469	45.27	146.3		81.55
10	503	38.19	115.0		83.45
11	528	25.74	73.9		84.58
12	664	120.14	274.1		89.92
13	700	97.01	210.1		91.01
14	960	26.82	42.3		94.49
15	1,073	48.20	68.1		95.49
16	1,339	13.37	15.1		97.16
17	1,563	5.68	5.5		98.57
18	1,635	5.26	4.9		99.02
19	1,887	4.82	3.9		100.60
20	4,454	2.15	0.7		106.39
21	5,163	3.29	1.0		107.30
22	10,380	75.00	10.9	Upper Marker	113.00
23	13,113	0.00	0.0		115.71

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-04\2018-09-04_001.xad

Created: 9/4/2018 12:07:55 PM
Modified: 9/4/2018 12:48:15 PM

Electropherogram Summary Continued ...

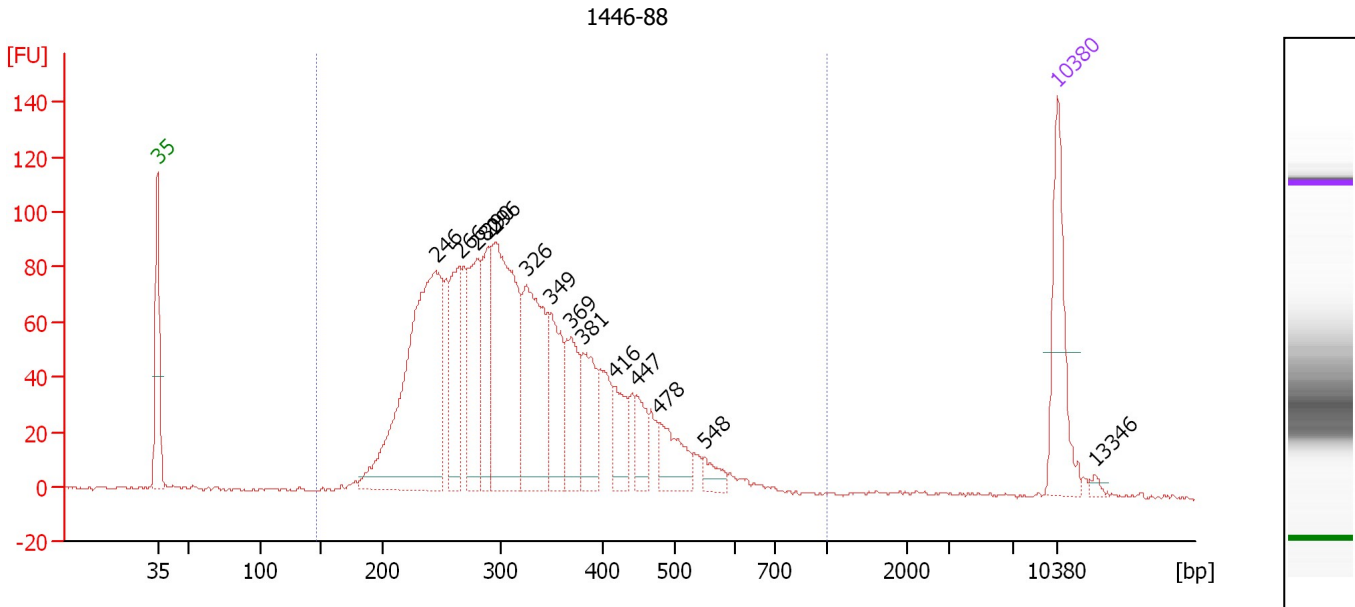
... Region table for sample 4 : lien (1:30)

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	7,852	987	564.37	810.3	1,382.0	 97	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-04\2018-09-04_001.xad

Created: 9/4/2018 12:07:55 PM
 Modified: 9/4/2018 12:48:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 1446-88

Number of peaks found: 14 Corr. Area 1: 2,046.1
 Noise: 0.7

Peak table for sample 5 : 1446-88

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	246	398.18	2,456.1		64.64
3	266	107.91	614.3		66.53
4	280	108.69	587.8		67.82
5	290	84.53	442.1		68.70
6	296	253.08	1,294.7		69.30
7	326	175.68	816.4		71.74
8	349	88.97	386.3		73.58
9	369	70.72	290.3		75.19
10	381	71.14	283.2		76.11
11	416	39.87	145.4		78.55
12	447	30.71	104.2		80.30
13	478	49.21	156.0		82.05
14	548	16.55	45.7		85.55
15	10,380	75.00	10.9	Upper Marker	113.00
16	13,346	0.00	0.0		115.95

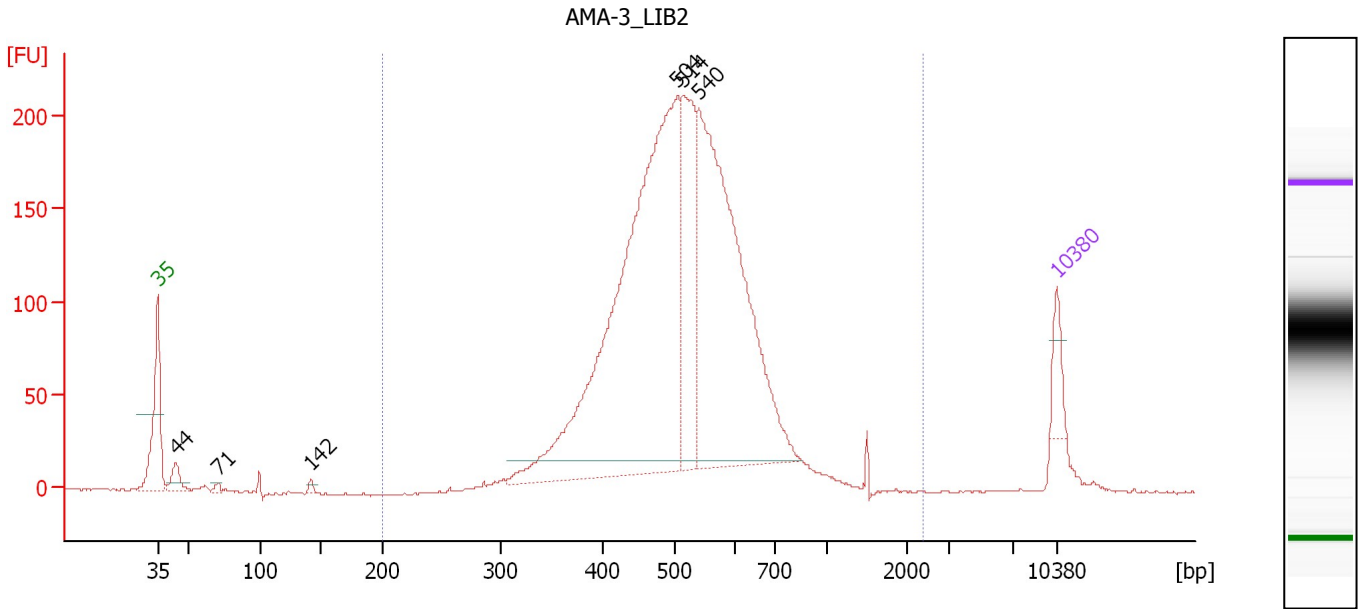
Region table for sample 5 : 1446-88

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
146	1,000	328	1,754.05	2,046.1	8,850.0	98	27.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-04\2018-09-04_001.xad

Created: 9/4/2018 12:07:55 PM
 Modified: 9/4/2018 12:48:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : AMA-3 LIB2

Number of peaks found: 6 Corr. Area 1: 2,458.6
 Noise: 0.5

Peak table for sample 6 : AMA-3 LIB2

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	44	85.52	2,948.8		44.40
3	71	16.00	343.1		47.68
4	142	17.24	184.5		54.93
5	504	2,569.26	7,727.5		83.47
6	514	542.95	1,601.2		83.94
7	540	1,709.87	4,798.9		85.16
8	10,380	75.00	10.9	Upper Marker	113.00

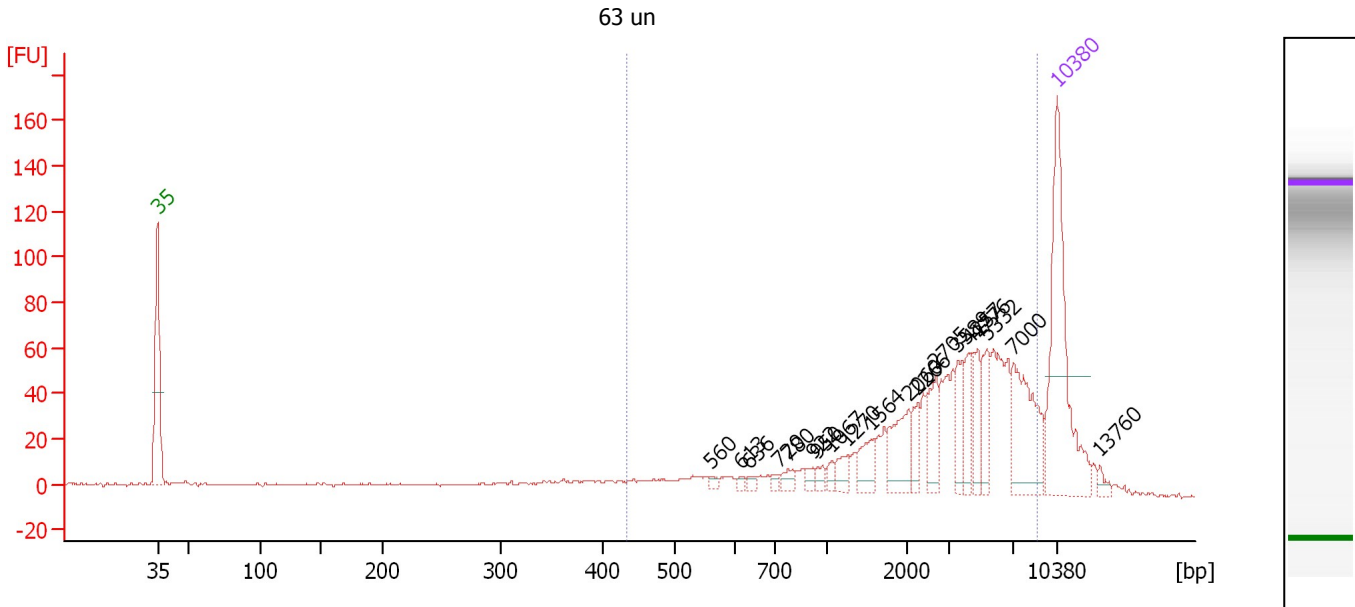
Region table for sample 6 : AMA-3 LIB2

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	2,393	513	4,636.57	2,458.6	14,137.8	99	16.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-04\2018-09-04_001.xad

Created: 9/4/2018 12:07:55 PM
 Modified: 9/4/2018 12:48:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 63 un

Number of peaks found: 19 Corr. Area 1: 794.7
 Noise: 0.5

Peak table for sample 7 : 63 un

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	560	2.22	6.0		86.09
3	613	1.80	4.5		88.36
4	636	2.58	6.1		89.07
5	720	2.32	4.9		91.29
6	780	5.29	10.3		92.09
7	922	3.21	5.3		93.99
8	950	4.04	6.4		94.36
9	1,067	3.73	5.3		95.45
10	1,270	7.14	8.5		96.73
11	1,564	12.34	12.0		98.57
12	2,060	23.75	17.5		101.51
13	2,266	8.94	6.0		102.17
14	2,705	17.69	9.9		103.59
15	3,589	12.92	5.5		105.29
16	4,257	16.89	6.0		106.14
17	4,776	13.96	4.4		106.80
18	5,332	15.15	4.3		107.51
19	7,000	43.23	9.4		109.64
20	10,380	75.00	10.9	Upper Marker	113.00
21	13,760	0.00	0.0		116.36

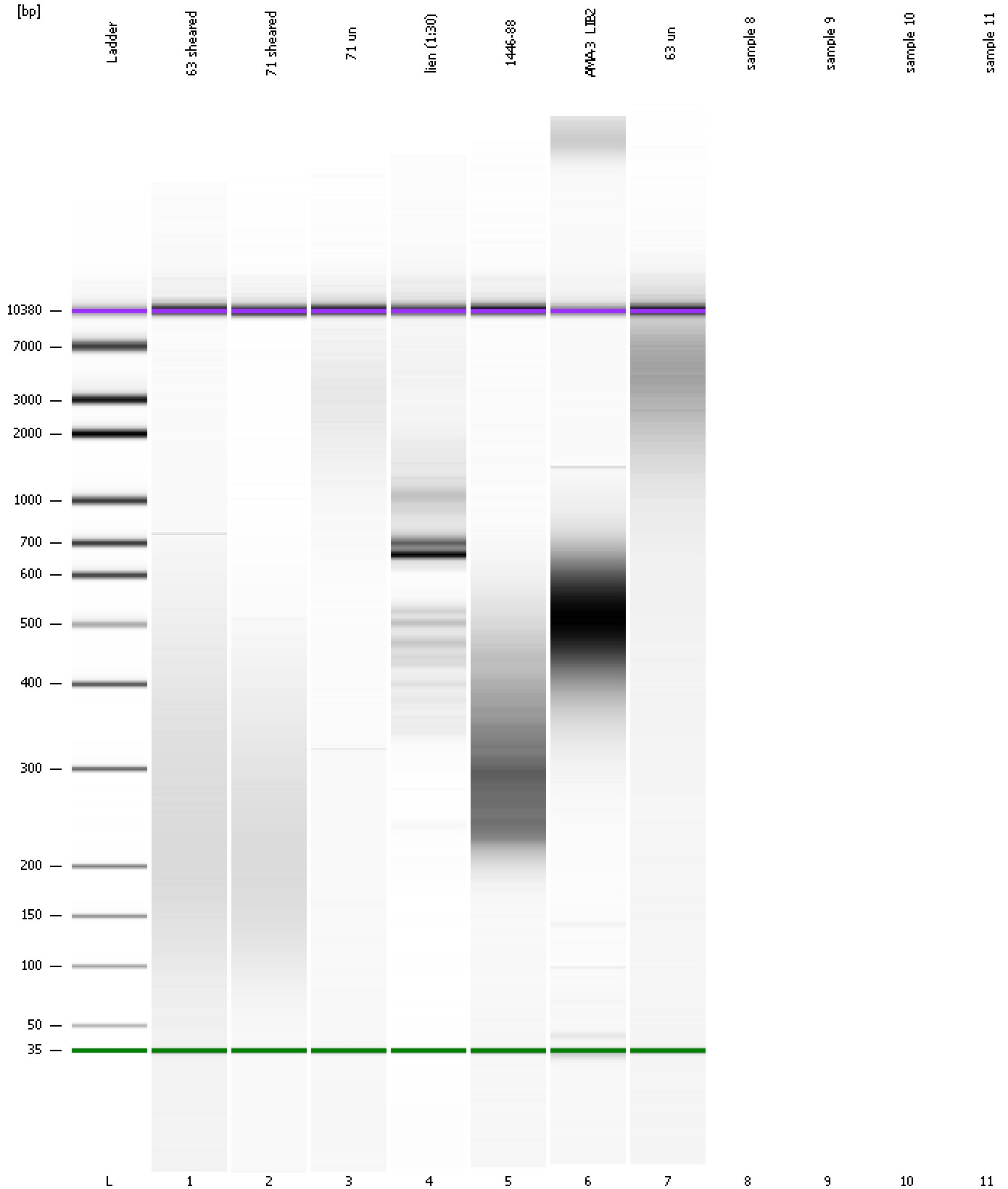
Region table for sample 7 : 63 un

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
433	8,900	3,661	321.49	794.7	282.7	82	64.4

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-04\2018-09-04_001.xad

Created: 9/4/2018 12:07:55 PM
Modified: 9/4/2018 12:48:15 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-09-04\2018-09-04_001.xad

Created: 9/4/2018 12:07:55 PM
Modified: 9/4/2018 12:48:15 PM

Invalid Samples

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.