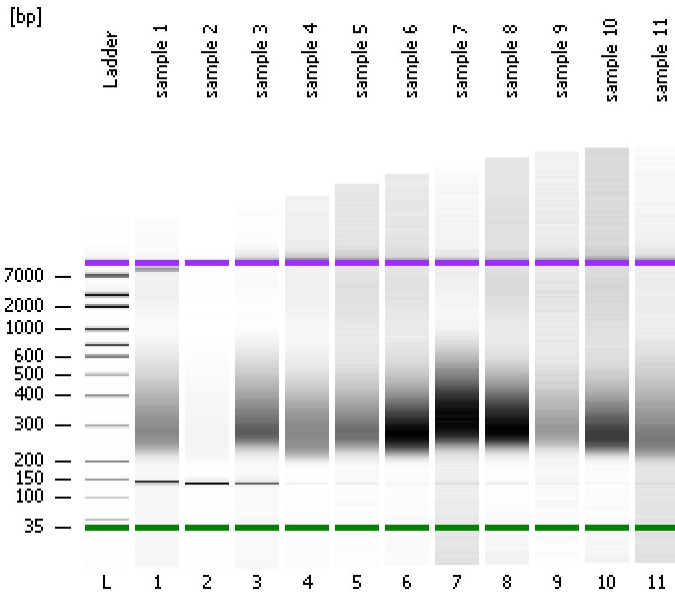


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-19\2018-07-19_002.xad

Created: 7/19/2018 2:04:56 PM
Modified: 7/19/2018 2:57:53 PM

Electrophoresis File Run Summary



Instrument Information:

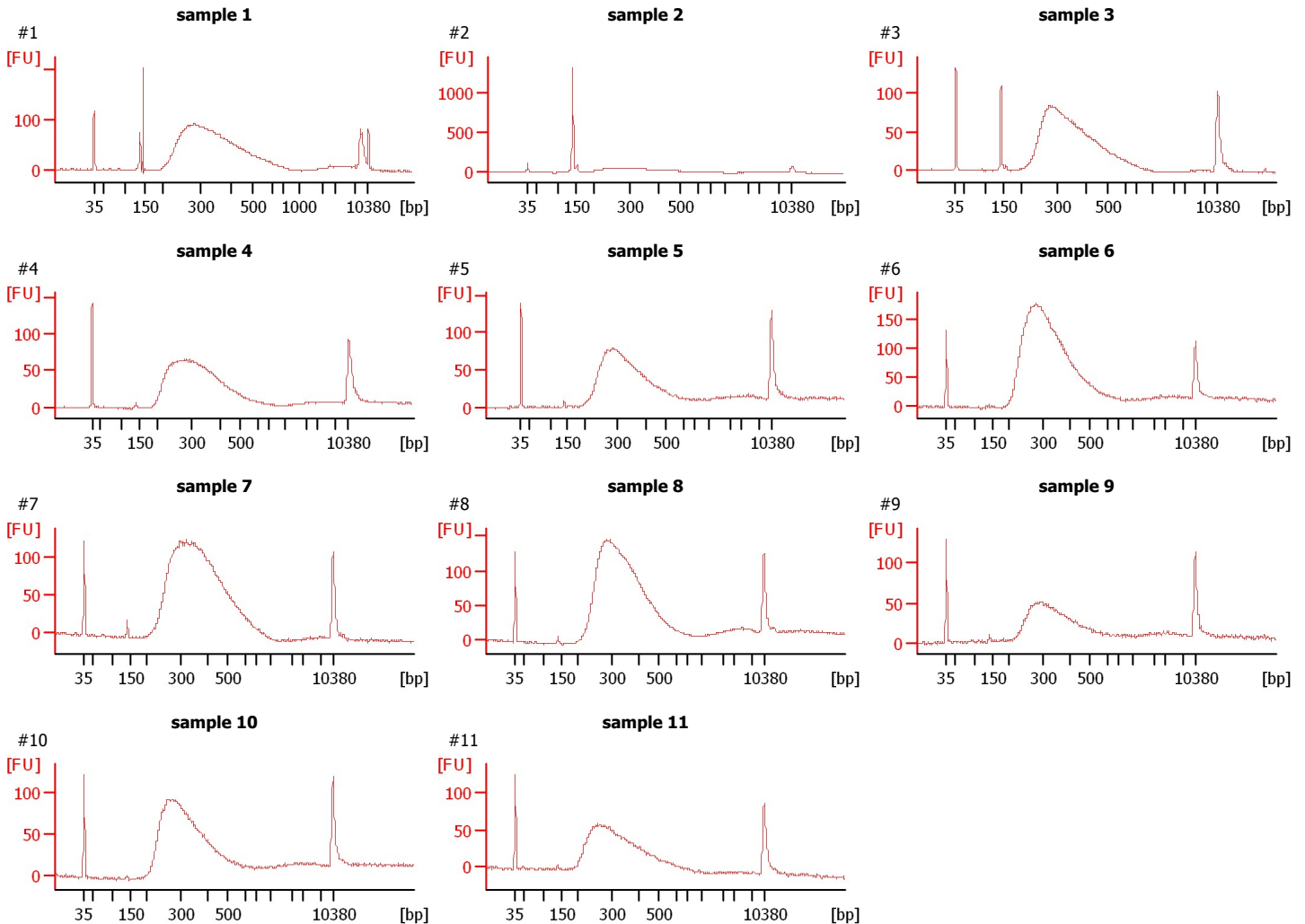
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-19\2018-07-19_002.xad

Created: 7/19/2018 2:04:56 PM
 Modified: 7/19/2018 2:57:53 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 1	#1	<input type="checkbox"/>	✓			
sample 2	#2	<input type="checkbox"/>	✓			
sample 3	#3	<input type="checkbox"/>	✓			
sample 4	#4	<input type="checkbox"/>	✓			
sample 5	#5	<input type="checkbox"/>	✓			
sample 6	#6	<input type="checkbox"/>	✓			
sample 7	#7	<input type="checkbox"/>	✓			
sample 8	#8	<input type="checkbox"/>	✓			
sample 9	#9	<input type="checkbox"/>	✓			
sample 10	#10	<input type="checkbox"/>	✓			
sample 11	#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\2018-07-19\2018-07-19_002.xad

Created: 7/19/2018 2:04:56 PM
Modified: 7/19/2018 2:57:53 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

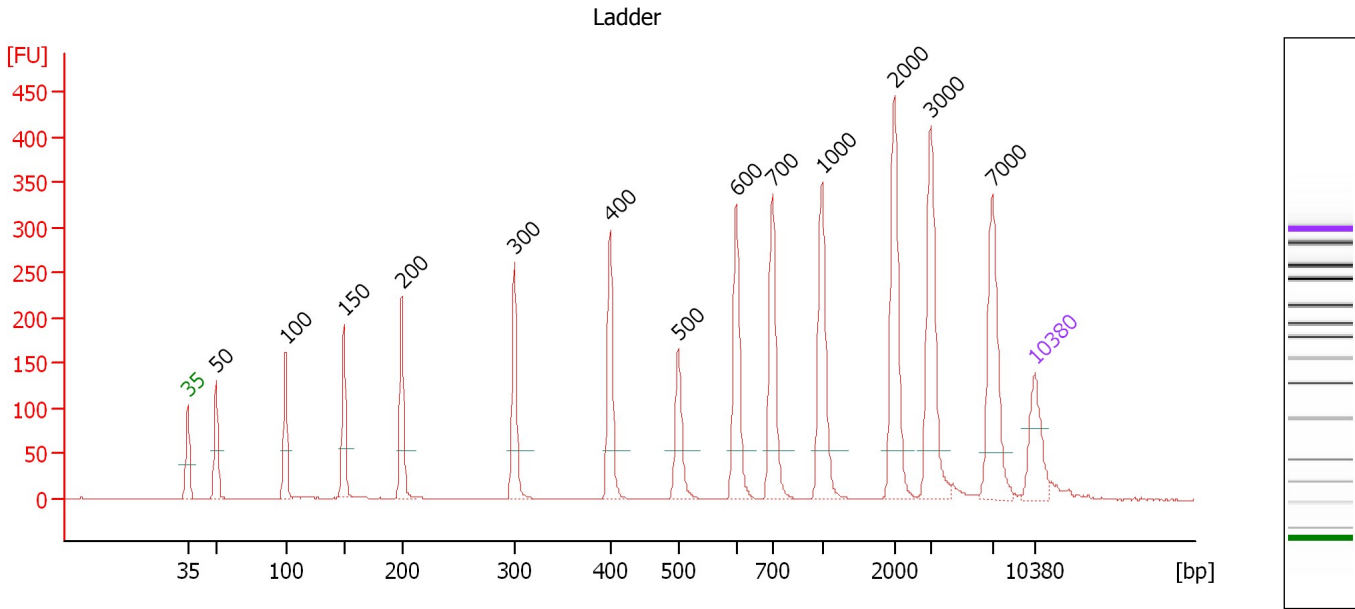
Ladder

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\2018-07-19\2018-07-19_002.xad

Created: 7/19/2018 2:04:56 PM
 Modified: 7/19/2018 2:57:53 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

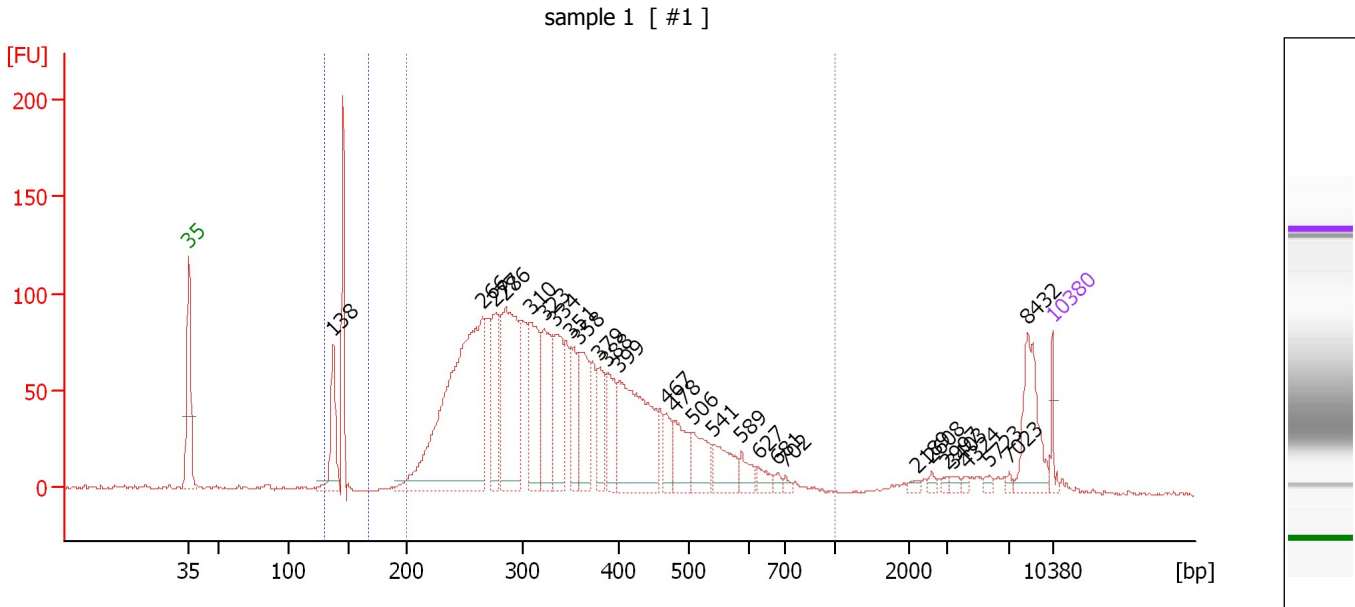
Peak table for Ladder

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	45.38
3	100	150.00	2,272.7	Ladder Peak	51.11
4	150	150.00	1,515.2	Ladder Peak	55.91
5	200	150.00	1,136.4	Ladder Peak	60.71
6	300	150.00	757.6	Ladder Peak	70.00
7	400	150.00	568.2	Ladder Peak	77.93
8	500	150.00	454.5	Ladder Peak	83.53
9	600	150.00	378.8	Ladder Peak	88.33
10	700	150.00	324.7	Ladder Peak	91.33
11	1,000	150.00	227.3	Ladder Peak	95.42
12	2,000	150.00	113.6	Ladder Peak	101.41
13	3,000	150.00	75.8	Ladder Peak	104.41
14	7,000	150.00	32.5	Ladder Peak	109.48
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-19\2018-07-19_002.xad

Created: 7/19/2018 2:04:56 PM
 Modified: 7/19/2018 2:57:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : sample 1

Number of peaks found: 28 Corr. Area 1: 2,288.3
 Noise: 0.7 Corr. Area 2: 169.1

Peak table for sample 1 : sample 1

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	138	513.76	5,660.0		54.71
3	266	3,102.91	17,668.8		66.85
4	277	592.16	3,241.7		67.85
5	286	1,342.74	7,123.2		68.67
6	310	734.57	3,592.2		70.78
7	323	624.38	2,929.7		71.82
8	334	620.57	2,812.2		72.73
9	351	322.89	1,395.0		74.02
10	358	541.66	2,293.8		74.59
11	379	319.05	1,275.4		76.27
12	388	348.34	1,361.1		76.96
13	399	1,143.12	4,338.7		77.87
14	467	188.40	611.5		81.67
15	478	309.82	981.2		82.32
16	506	290.10	868.1		83.83
17	541	273.08	764.2		85.52
18	589	118.25	304.1		87.81
19	627	78.11	188.7		89.15
20	681	37.66	83.8		90.75
21	702	28.68	61.9		91.35
22	2,189	24.06	16.6		101.98
23	2,608	22.70	13.2		103.23
24	2,997	20.41	10.3		104.40
25	3,403	27.62	12.3		104.92

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-19\2018-07-19_002.xad



Created: 7/19/2018 2:04:56 PM
 Modified: 7/19/2018 2:57:53 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : sample 1

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	4,324	19.18	6.7		106.09
27	5,723	26.52	7.0		107.86
28	7,023	17.86	3.9		109.50
29	8,432	412.12	74.1		110.97
30	10,380	75.00	10.9	Upper Marker	113.00

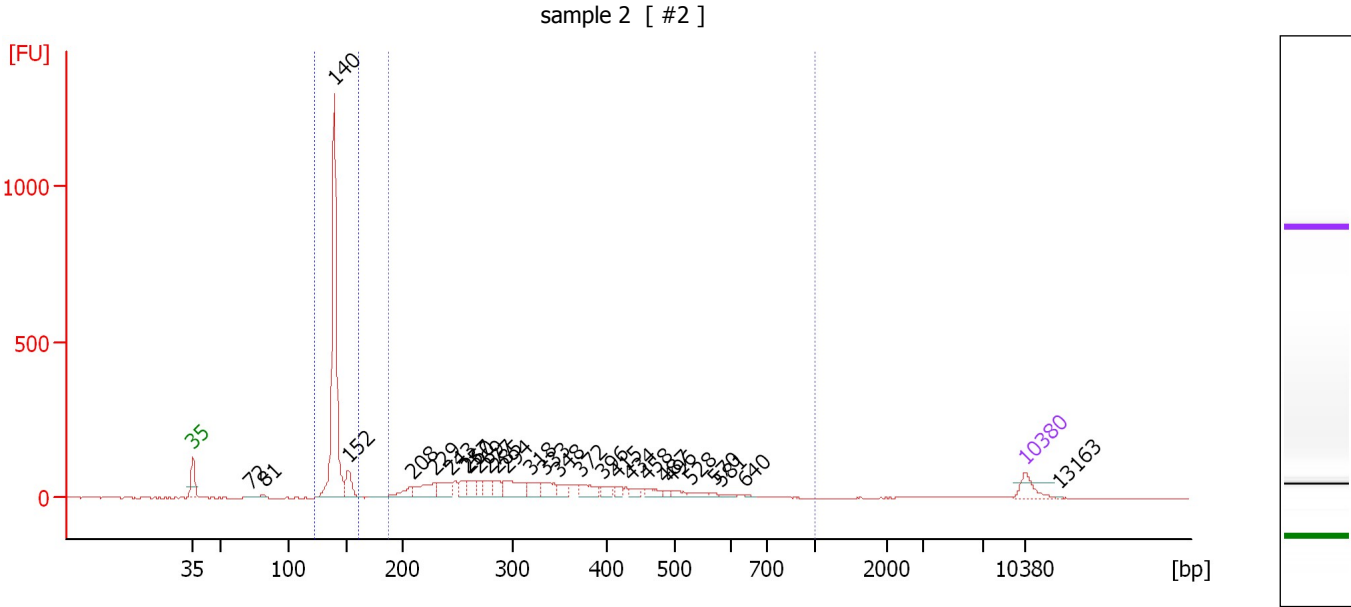
Region table for sample 1 : sample 1

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
130	167	143	1,202.16	169.1	12,771.3	 6	3.1
200	1,000	353	12,766.63	2,288.3	60,532.5	 85	29.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-19\2018-07-19_002.xad

Created: 7/19/2018 2:04:56 PM
 Modified: 7/19/2018 2:57:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : sample 2

Number of peaks found: 28 Corr. Area 1: 1,657.1
 Noise: 0.7 Corr. Area 2: 1,295.7

Peak table for sample 2 : sample 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	72	8.83	185.6		47.91
3	81	16.50	306.9		48.98
4	140	1,738.89	18,857.7		54.92
5	152	150.07	1,493.3		56.13
6	208	97.52	710.9		61.44
7	229	165.36	1,092.0		63.45
8	243	139.60	870.8		64.70
9	257	74.79	440.4		66.04
10	260	86.28	502.4		66.30
11	269	59.58	335.2		67.15
12	277	76.94	420.9		67.87
13	285	70.61	375.8		68.58
14	294	196.48	1,011.6		69.47
15	318	94.71	451.1		71.44
16	333	93.68	425.9		72.64
17	348	62.40	271.3		73.85
18	372	97.27	396.7		75.68
19	396	51.37	196.7		77.60
20	415	29.09	106.3		78.76
21	434	38.29	133.7		79.83
22	458	54.84	181.5		81.17
23	487	18.60	57.8		82.82
24	496	34.54	105.5		83.31
25	528	35.69	102.4		84.88

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-19\2018-07-19_002.xad



Created: 7/19/2018 2:04:56 PM
 Modified: 7/19/2018 2:57:53 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : sample 2

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	570	11.11	29.5		86.88
27	581	18.23	47.5		87.42
28	640	8.07	19.1		89.52
29	10,380	75.00	10.9	Upper Marker	113.00
30	13,163	0.00	0.0		115.90

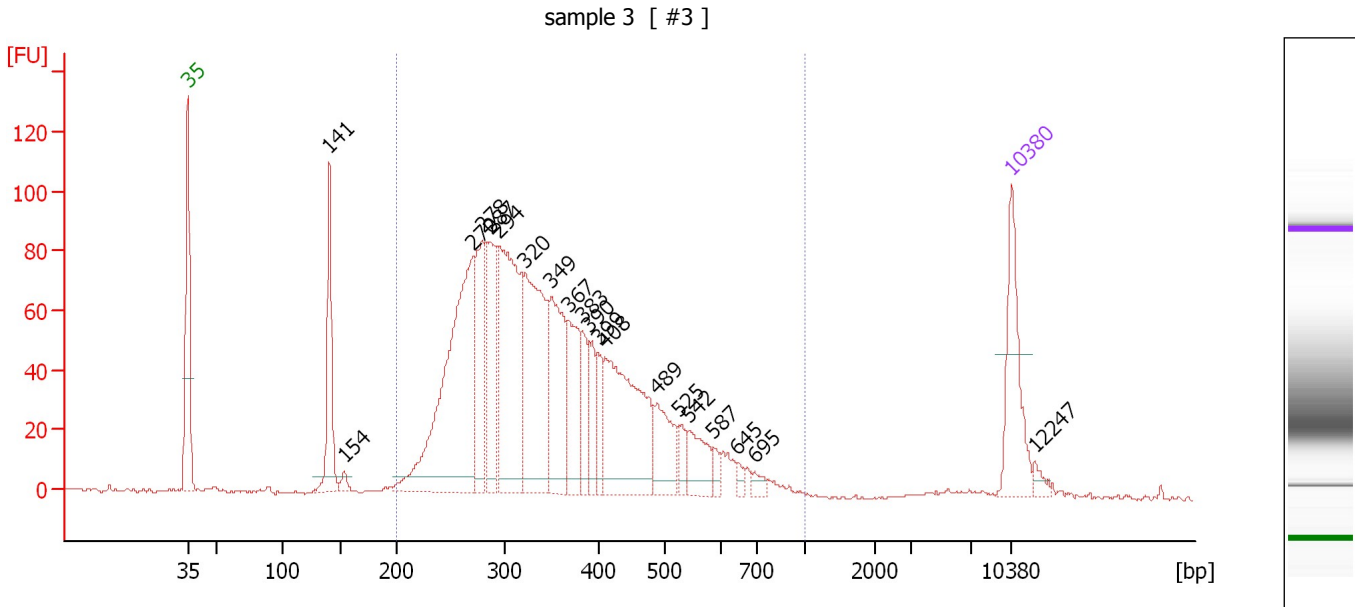
Region table for sample 2 : sample 2

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
122	161	141	1,898.38	1,295.7	20,438.3	 42	3.2
187	1,000	351	1,920.81	1,657.1	9,494.0	 54	33.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-19\2018-07-19_002.xad

Created: 7/19/2018 2:04:56 PM
 Modified: 7/19/2018 2:57:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : sample 3

Number of peaks found: 20 Corr. Area 1: 1,834.3
 Noise: 0.5

Peak table for sample 3 : sample 3

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	141	128.37	1,379.3		55.04
3	154	10.12	99.5		56.31
4	270	381.76	2,141.6		67.22
5	278	126.62	689.2		67.99
6	287	119.81	633.3		68.76
7	294	272.44	1,404.3		69.44
8	320	220.69	1,045.7		71.57
9	349	138.02	599.4		73.88
10	367	91.23	376.5		75.33
11	383	47.60	188.5		76.55
12	390	37.95	147.5		77.14
13	399	35.06	133.1		77.86
14	408	206.94	767.6		78.41
15	489	63.72	197.6		82.89
16	525	17.73	51.1		84.75
17	542	46.79	130.7		85.56
18	587	9.33	24.1		87.69
19	645	6.74	15.8		89.68
20	695	9.28	20.2		91.18
21	10,380	75.00	10.9	Upper Marker	113.00
22	12,247	0.00	0.0		114.95

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-19\2018-07-19_002.xad

Created: 7/19/2018 2:04:56 PM
Modified: 7/19/2018 2:57:53 PM

Electropherogram Summary Continued ...

... Region table for sample 3 :

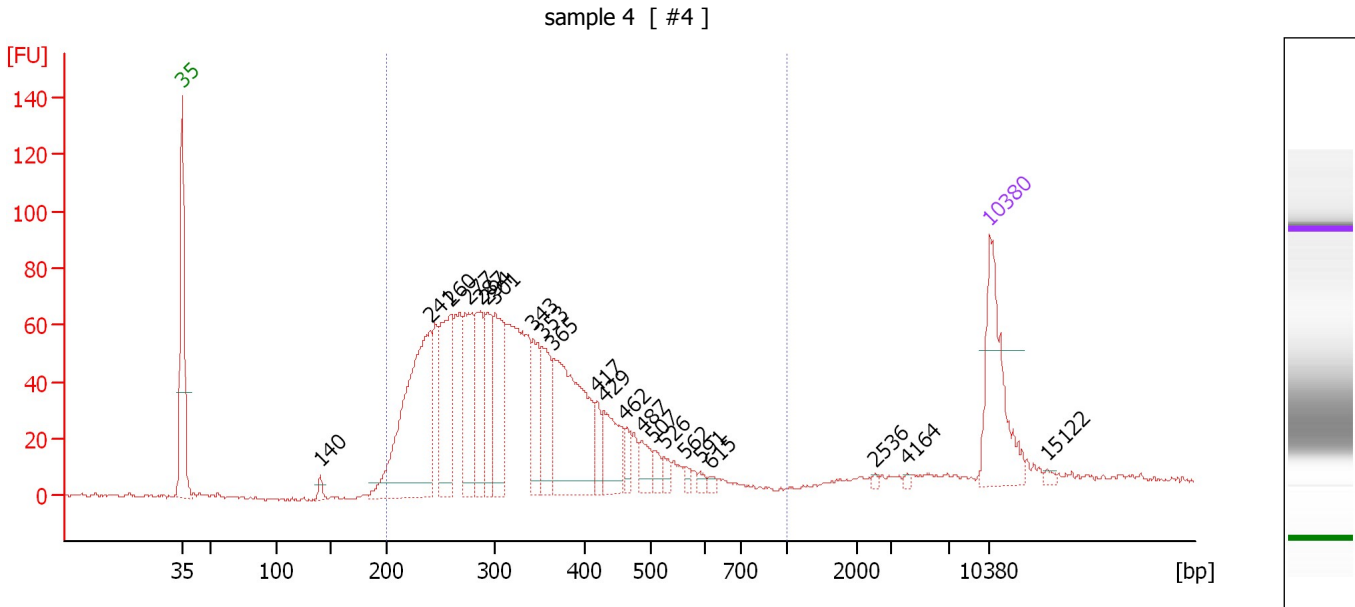
sample 3

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	1,000	361	1,886.26	1,834.3	8,718.5	 93	29.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-19\2018-07-19_002.xad

Created: 7/19/2018 2:04:56 PM
 Modified: 7/19/2018 2:57:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : sample 4

Number of peaks found: 22 Corr. Area 1: 1,513.7
 Noise: 0.6

Peak table for sample 4 : sample 4

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	140	7.93	85.7		54.97
3	241	246.96	1,551.8		64.53
4	260	114.07	664.7		66.29
5	277	91.90	502.8		67.86
6	287	73.65	388.4		68.83
7	294	60.07	309.8		69.43
8	301	87.66	440.6		70.12
9	343	53.31	235.6		73.40
10	353	57.11	245.3		74.19
11	365	164.51	682.9		75.16
12	417	19.39	70.4		78.90
13	429	50.61	178.8		79.55
14	462	13.52	44.4		81.40
15	487	19.03	59.1		82.83
16	507	10.57	31.6		83.84
17	526	8.72	25.1		84.77
18	562	4.86	13.1		86.52
19	591	4.42	11.3		87.91
20	615	3.21	7.9		88.79
21	2,536	1.88	1.1		103.02
22	4,164	1.66	0.6		105.88
23	10,380	75.00	10.9	Upper Marker	113.00
24	15,122	0.00	0.0		117.94

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-19\2018-07-19_002.xad

Created: 7/19/2018 2:04:56 PM
Modified: 7/19/2018 2:57:53 PM

Electropherogram Summary Continued ...

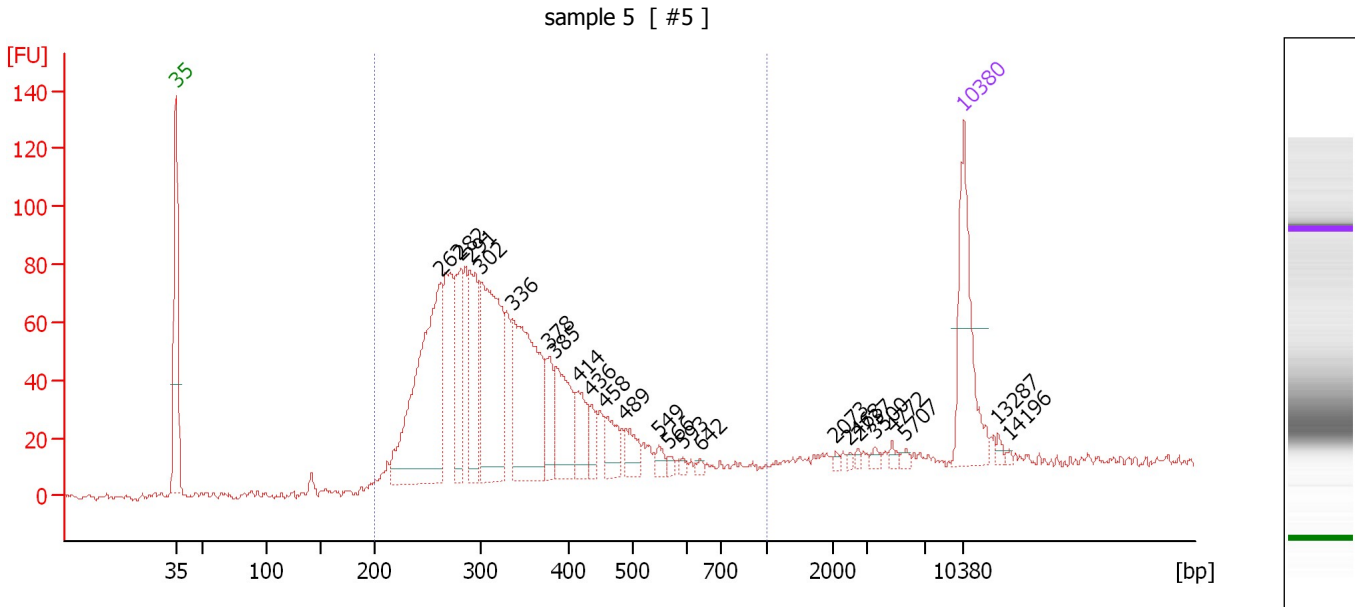
... Region table for sample 4 : sample 4

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	1,000	326	1,322.92	1,513.7	6,646.3	 96	25.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-19\2018-07-19_002.xad

Created: 7/19/2018 2:04:56 PM
 Modified: 7/19/2018 2:57:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : sample 5

Number of peaks found: 23 Corr. Area 1: 1,495.0
 Noise: 1.2

Peak table for sample 5 : sample 5

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	262	260.02	1,505.5		66.44
3	282	71.62	385.4		68.29
4	291	91.90	478.9		69.14
5	302	189.24	950.4		70.14
6	336	173.27	780.6		72.88
7	378	36.39	145.8		76.20
8	385	71.48	281.5		76.72
9	414	36.21	132.5		78.71
10	436	16.29	56.6		79.94
11	458	25.30	83.7		81.17
12	489	20.76	64.3		82.93
13	549	8.47	23.4		85.86
14	566	4.13	11.1		86.71
15	593	3.14	8.0		87.99
16	642	3.32	7.8		89.60
17	2,073	1.98	1.5		101.63
18	2,468	2.03	1.2		102.82
19	2,737	2.45	1.4		103.62
20	3,500	3.25	1.4		105.04
21	4,772	3.49	1.1		106.65
22	5,707	3.04	0.8		107.84
23	10,380	75.00	10.9	Upper Marker	113.00
24	13,287	0.00	0.0		116.03
25	14,196	0.00	0.0		116.98

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-19\2018-07-19_002.xad

Created: 7/19/2018 2:04:56 PM
Modified: 7/19/2018 2:57:53 PM

Electropherogram Summary Continued ...

... Region table for sample 5 :

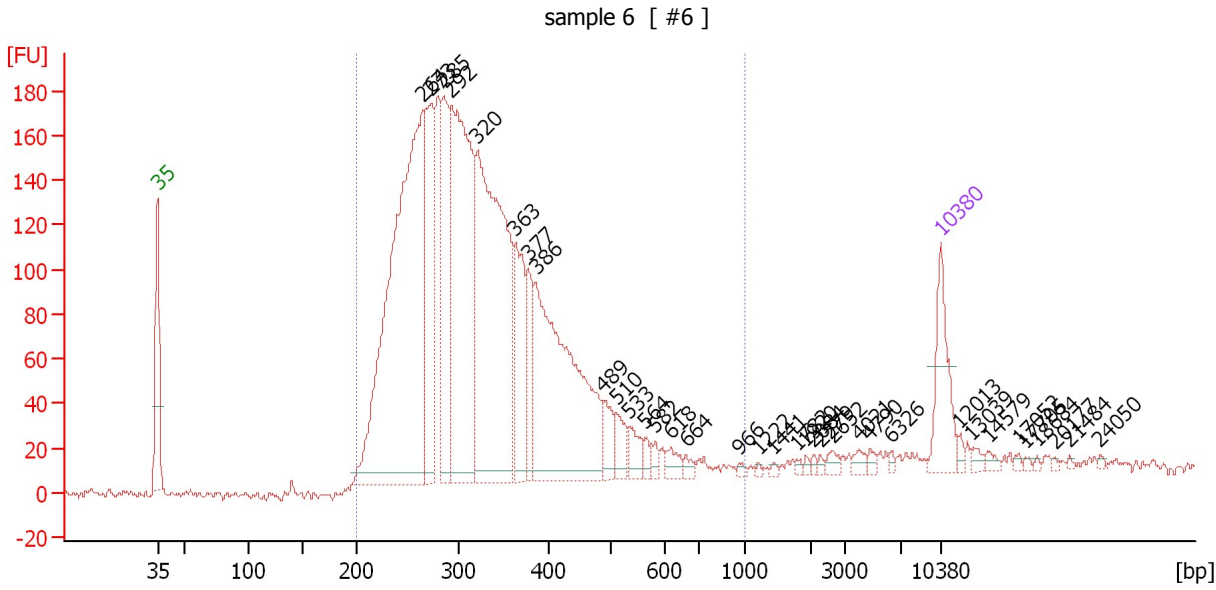
sample 5

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	1,000	343	1,298.29	1,495.0	6,268.1	 92	29.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-19\2018-07-19_002.xad

Created: 7/19/2018 2:04:56 PM
 Modified: 7/19/2018 2:57:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : sample 6

Number of peaks found: 35 Corr. Area 1: 3,645.9
 Noise: 1.9

Peak table for sample 6 : sample 6

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	264	975.35	5,590.5		66.69
3	273	233.03	1,294.7		67.47
4	285	202.20	1,075.9		68.59
5	292	578.14	2,999.1		69.27
6	320	643.85	3,047.0		71.60
7	363	145.46	607.0		75.01
8	377	76.13	305.8		76.13
9	386	460.53	1,808.6		76.81
10	489	40.31	125.0		82.89
11	510	33.84	100.6		84.01
12	533	30.25	85.9		85.13
13	564	12.88	34.6		86.59
14	582	10.33	26.9		87.46
15	618	17.24	42.3		88.87
16	664	8.27	18.9		90.23
17	966	4.37	6.9		94.95
18	1,222	2.77	3.4		96.75
19	1,441	3.18	3.3		98.07
20	1,782	2.89	2.5		100.11
21	1,920	3.25	2.6		100.94
22	2,084	3.60	2.6		101.67
23	2,279	3.19	2.1		102.25
24	2,652	8.84	5.0		103.37
25	4,021	8.38	3.2		105.70

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-19\2018-07-19_002.xad

Created: 7/19/2018 2:04:56 PM
 Modified: 7/19/2018 2:57:53 PM

Electropherogram Summary Continued ...

... Peak table for sample 6 : sample 6

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	4,790	6.02	1.9		106.68
27	6,326	3.70	0.9		108.62
28	10,380	75.00	10.9	Upper Marker	113.00
29	12,013	0.00	0.0		114.70
30	13,039	0.00	0.0		115.77
31	14,579	0.00	0.0		117.38
32	17,052	0.00	0.0		119.96
33	17,705	0.00	0.0		120.64
34	18,684	0.00	0.0		121.66
35	20,177	0.00	0.0		123.22
36	21,484	0.00	0.0		124.58
37	24,050	0.00	0.0		127.25

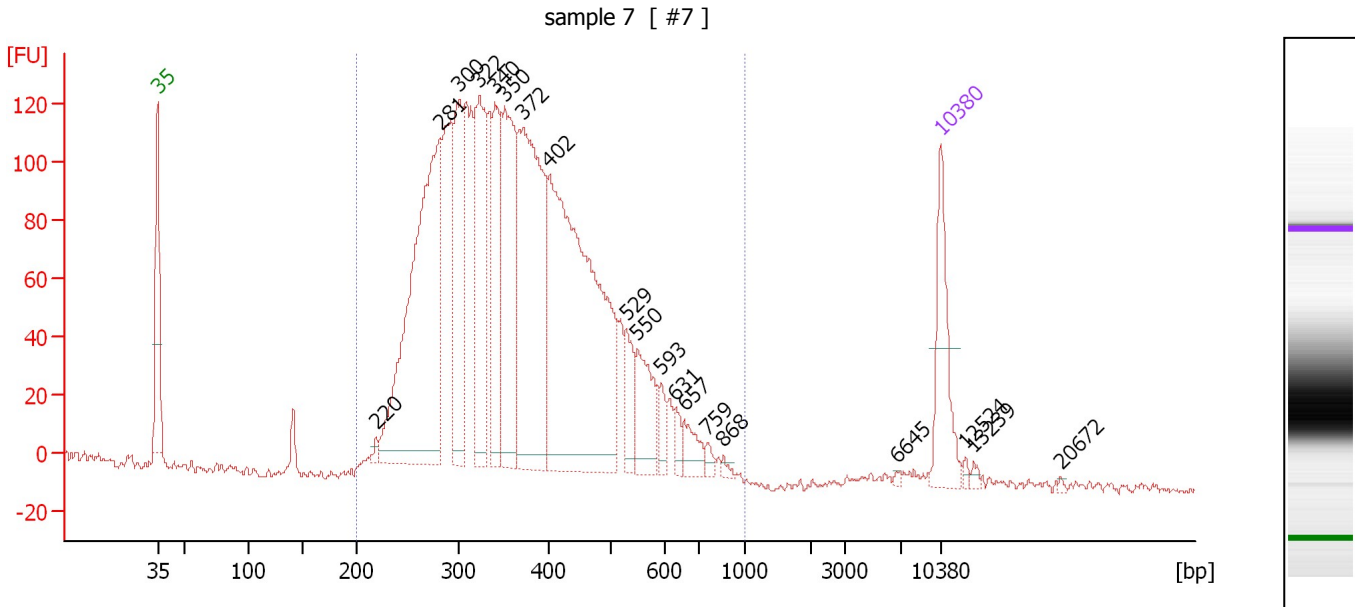
Region table for sample 6 : sample 6

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	1,000	339	3,766.58	3,645.9	18,486.4	92	30.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-19\2018-07-19_002.xad

Created: 7/19/2018 2:04:56 PM
 Modified: 7/19/2018 2:57:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : sample 7

Number of peaks found: 19 Corr. Area 1: 3,043.0
 Noise: 1.6

Peak table for sample 7 : sample 7

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	220	7.20	49.7		62.52
3	281	517.87	2,792.4		68.24
4	300	171.16	865.3		69.98
5	322	206.05	968.9		71.77
6	340	147.13	656.1		73.16
7	350	218.51	946.5		73.95
8	372	367.30	1,497.2		75.69
9	402	563.75	2,126.8		78.02
10	529	44.85	128.4		84.93
11	550	73.41	202.3		85.92
12	593	21.35	54.5		88.01
13	631	14.78	35.5		89.25
14	657	27.50	63.4		90.05
15	759	8.61	17.2		92.13
16	868	4.57	8.0		93.62
17	6,645	1.82	0.4		109.03
18	10,380	75.00	10.9	Upper Marker	113.00
19	12,524	0.00	0.0		115.24
20	13,239	0.00	0.0		115.98
21	20,672	0.00	0.0		123.73

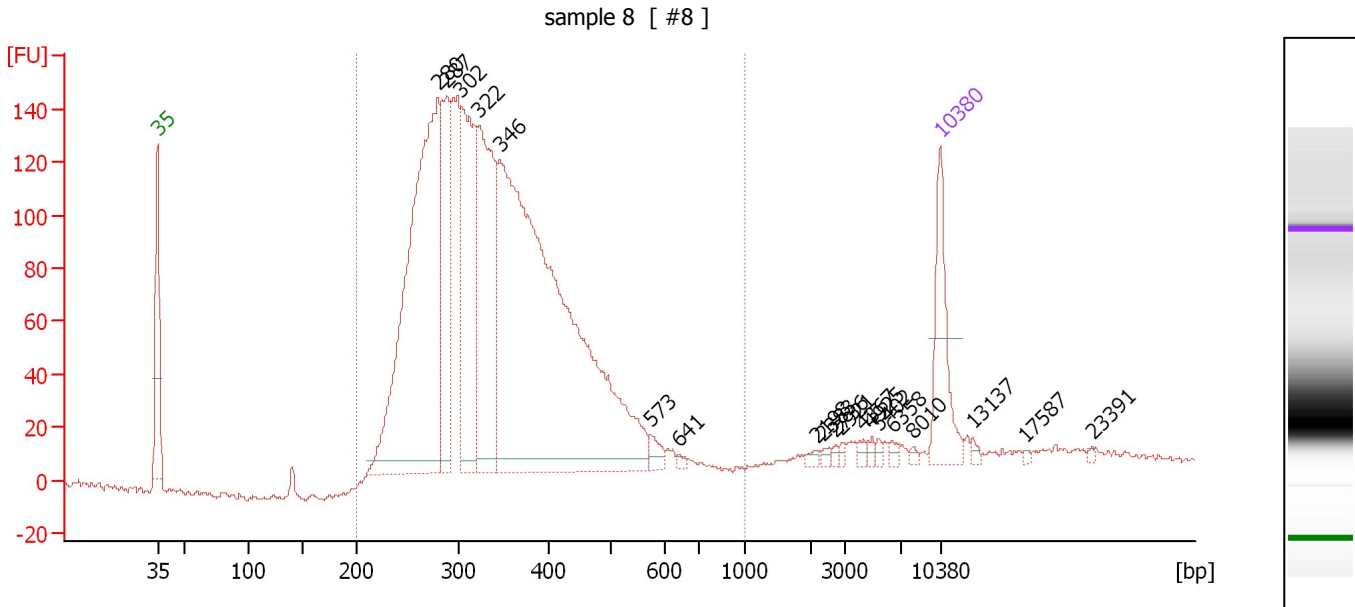
Region table for sample 7 : sample 7

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	380	2,872.65	3,043.0	12,569.5	97	28.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-19\2018-07-19_002.xad

Created: 7/19/2018 2:04:56 PM
 Modified: 7/19/2018 2:57:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : sample 8

Number of peaks found: 19 Corr. Area 1: 2,814.0
 Noise: 0.8

Peak table for sample 8 : sample 8

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	280	685.87	3,715.7		68.12
3	287	162.58	857.5		68.82
4	302	260.14	1,304.1		70.18
5	322	287.55	1,353.2		71.75
6	346	1,034.30	4,535.8		73.61
7	573	13.30	35.2		87.03
8	641	3.64	8.6		89.55
9	2,198	4.34	3.0		102.01
10	2,383	3.63	2.3		102.56
11	2,736	3.35	1.9		103.62
12	2,921	3.47	1.8		104.17
13	4,367	5.11	1.8		106.14
14	4,925	4.02	1.2		106.85
15	5,402	3.74	1.0		107.45
16	6,358	4.98	1.2		108.66
17	8,010	3.13	0.6		110.53
18	10,380	75.00	10.9	Upper Marker	113.00
19	13,137	0.00	0.0		115.87
20	17,587	0.00	0.0		120.51
21	23,391	0.00	0.0		126.57

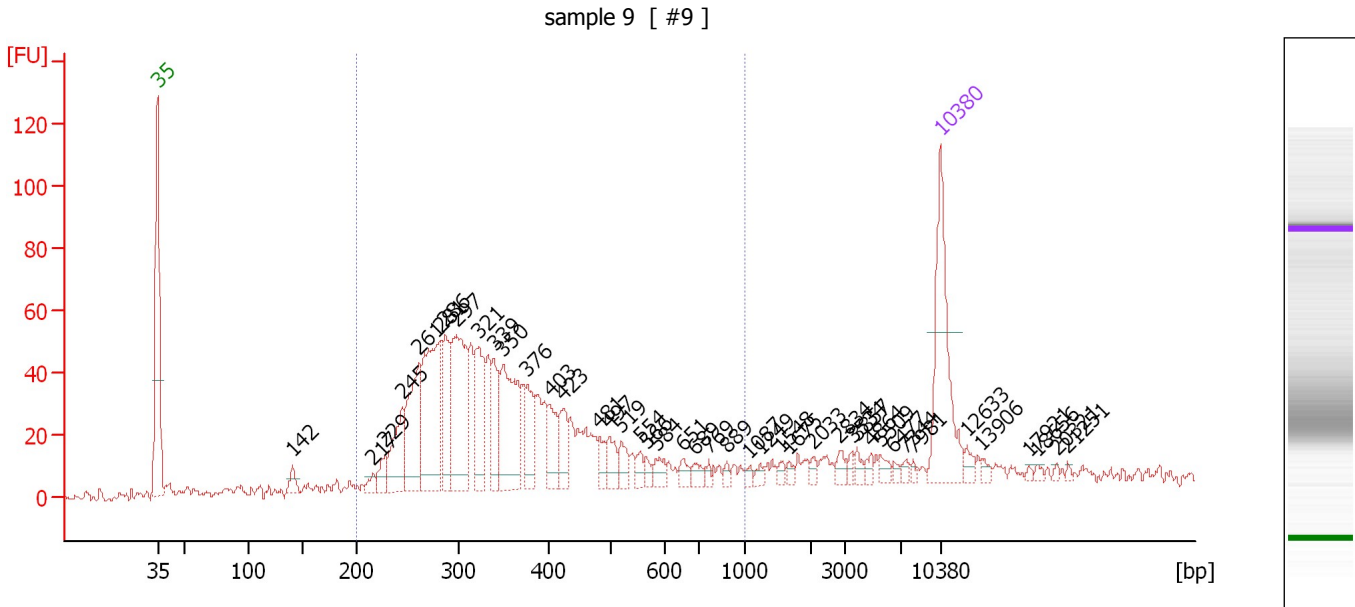
Region table for sample 8 : sample 8

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	346	2,583.03	2,814.0	12,120.9	95	23.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-19\2018-07-19_002.xad

Created: 7/19/2018 2:04:56 PM
 Modified: 7/19/2018 2:57:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : sample 9

Number of peaks found: 43 Corr. Area 1: 1,077.7
 Noise: 1.6

Peak table for sample 9 : sample 9

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	142	12.45	133.3		55.10
3	217	7.23	50.5		62.30
4	229	15.76	104.4		63.37
5	245	49.44	305.6		64.90
6	261	81.43	472.6		66.38
7	281	127.56	686.9		68.27
8	286	52.73	279.0		68.73
9	297	105.28	537.5		69.70
10	321	59.72	281.6		71.69
11	339	35.70	159.7		73.07
12	350	91.26	395.5		73.94
13	376	38.04	153.3		76.03
14	403	27.39	103.1		78.08
15	423	22.96	82.3		79.20
16	481	12.16	38.3		82.47
17	497	17.13	52.2		83.39
18	519	13.07	38.1		84.46
19	554	7.99	21.8		86.14
20	566	5.92	15.8		86.71
21	584	10.61	27.5		87.57
22	651	7.70	17.9		89.87
23	689	7.97	17.5		90.99
24	769	3.63	7.1		92.27
25	889	3.79	6.5		93.90

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-19\2018-07-19_002.xad

Created: 7/19/2018 2:04:56 PM
 Modified: 7/19/2018 2:57:53 PM

Electropherogram Summary Continued ...

... Peak table for sample 9 : sample 9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,087	2.94	4.1		95.95
27	1,249	3.91	4.7		96.92
28	1,548	4.14	4.1		98.70
29	1,675	3.39	3.1		99.47
30	2,033	3.96	3.0		101.51
31	2,834	5.71	3.1		103.91
32	3,534	3.84	1.6		105.09
33	3,857	4.89	1.9		105.49
34	4,864	4.12	1.3		106.77
35	5,509	5.44	1.5		107.59
36	6,477	2.93	0.7		108.81
37	7,344	3.20	0.7		109.83
38	7,981	2.33	0.4		110.50
39	10,380	75.00	10.9	Upper Marker	113.00
40	12,633	0.00	0.0		115.35
41	13,906	0.00	0.0		116.68
42	17,921	0.00	0.0		120.86
43	18,656	0.00	0.0		121.63
44	20,321	0.00	0.0		123.36
45	21,251	0.00	0.0		124.33

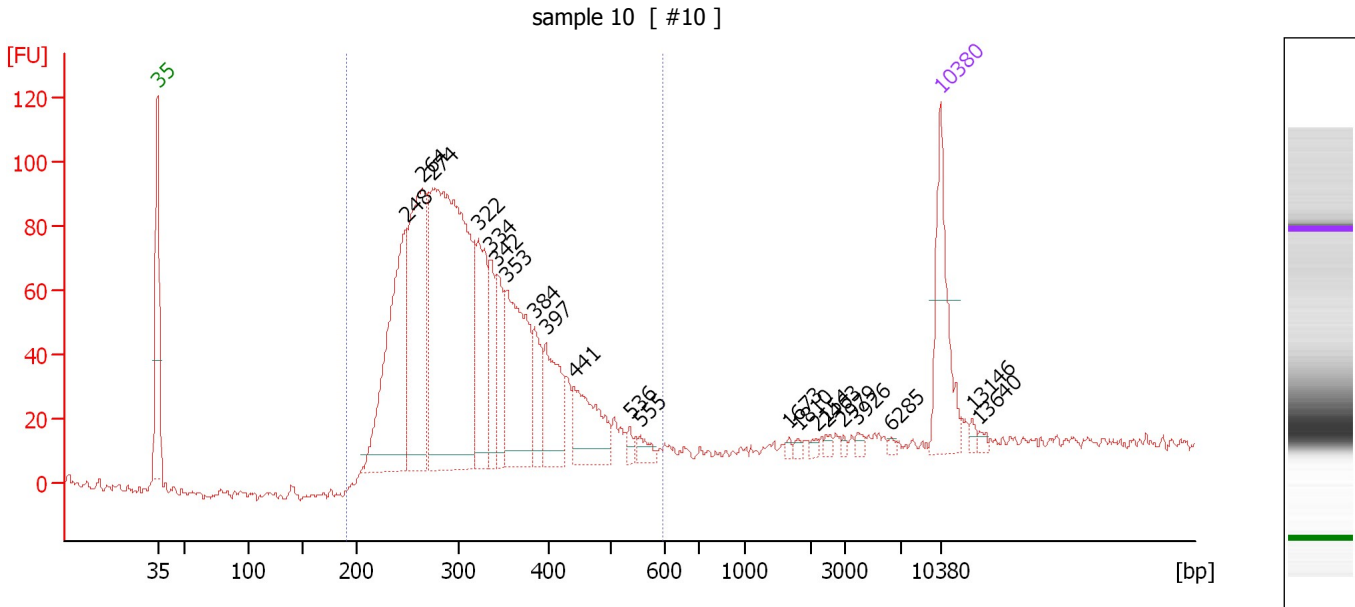
Region table for sample 9 : sample 9

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	375	1,043.28	1,077.7	4,777.5	80	35.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-19\2018-07-19_002.xad

Created: 7/19/2018 2:04:56 PM
 Modified: 7/19/2018 2:57:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : sample 10

Number of peaks found: 21 Corr. Area 1: 1,617.2
 Noise: 1.0

Peak table for sample 10 : sample 10

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	248	263.18	1,605.9		65.20
3	264	239.57	1,372.9		66.69
4	274	570.14	3,148.6		67.62
5	322	113.90	536.1		71.74
6	334	60.07	272.3		72.72
7	342	58.74	260.2		73.34
8	353	167.20	717.5		74.21
9	384	45.10	177.8		76.69
10	397	77.27	294.7		77.72
11	441	76.40	262.4		80.24
12	536	7.06	20.0		85.24
13	555	11.10	30.3		86.16
14	1,673	2.80	2.5		99.45
15	1,810	3.19	2.7		100.28
16	2,154	3.30	2.3		101.87
17	2,463	3.79	2.3		102.80
18	2,979	2.58	1.3		104.35
19	3,926	4.32	1.7		105.58
20	6,285	2.54	0.6		108.57
21	10,380	75.00	10.9	Upper Marker	113.00
22	13,146	0.00	0.0		115.88
23	13,640	0.00	0.0		116.40

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-19\2018-07-19_002.xad

Created: 7/19/2018 2:04:56 PM
Modified: 7/19/2018 2:57:53 PM

Electropherogram Summary Continued ...

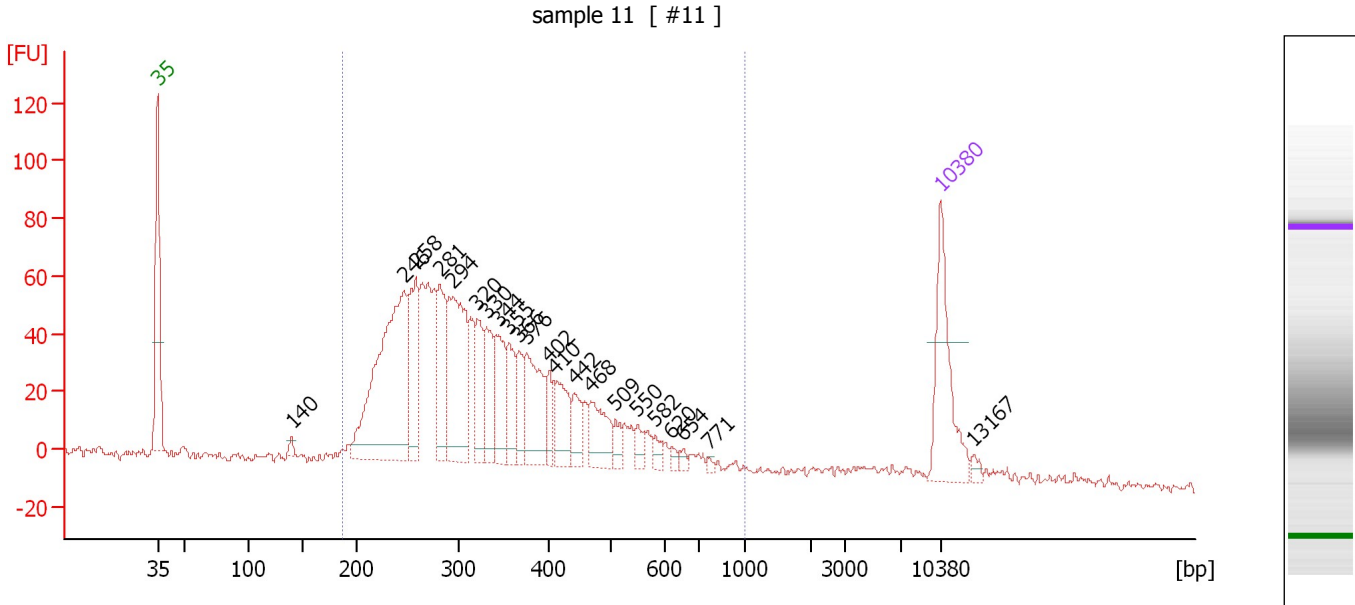
... Region table for sample 10 : sample 10

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
191	596	322	1,705.27	1,617.2	8,518.3	 93	22.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-19\2018-07-19_002.xad

Created: 7/19/2018 2:04:56 PM
 Modified: 7/19/2018 2:57:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

Number of peaks found: 22 Corr. Area 1: 1,504.9
 Noise: 1.7

Peak table for sample 11 : sample 11

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	140	6.21	67.0		54.99
3	246	292.01	1,797.2		65.00
4	258	95.34	560.1		66.09
5	281	79.35	428.2		68.22
6	294	154.69	796.7		69.46
7	320	48.74	230.8		71.59
8	330	57.92	265.6		72.42
9	344	61.85	272.7		73.46
10	355	45.03	192.0		74.39
11	366	32.34	133.7		75.28
12	376	82.87	334.3		76.00
13	402	24.08	90.8		78.03
14	410	48.63	179.7		78.49
15	442	26.43	90.5		80.31
16	468	45.51	147.2		81.76
17	509	12.71	37.9		83.94
18	550	12.11	33.4		85.91
19	582	9.23	24.0		87.47
20	620	4.91	12.0		88.92
21	654	4.76	11.0		89.96
22	771	2.65	5.2		92.30
23	10,380	75.00	10.9	Upper Marker	113.00
24	13,167	0.00	0.0		115.91

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-19\2018-07-19_002.xad

Created: 7/19/2018 2:04:56 PM
Modified: 7/19/2018 2:57:53 PM

Electropherogram Summary Continued ...

... Region table for sample 11 : sample 11

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
189	1,000	349	1,484.66	1,504.9	7,311.8	 89	34.6

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-19\2018-07-19_002.xad

Created: 7/19/2018 2:04:56 PM
Modified: 7/19/2018 2:57:53 PM

Gel Image

