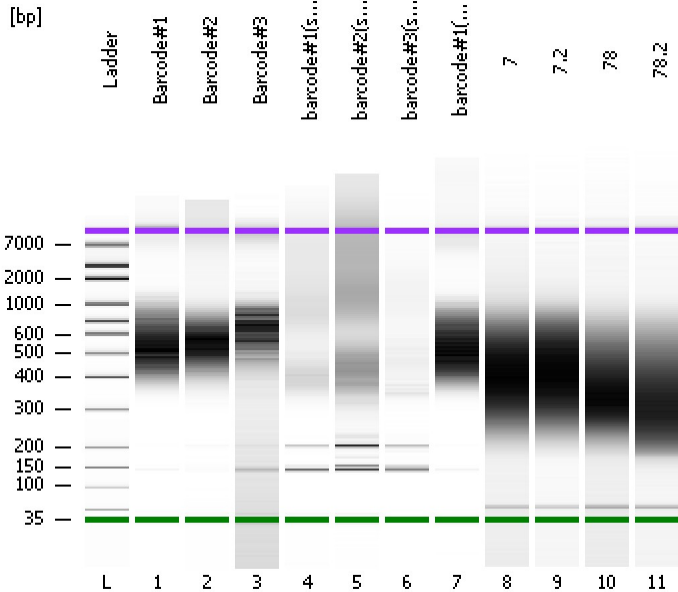


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-21\2018-12-21\_001.xad

Created: 12/21/2018 11:51:54 AM  
Modified: 12/21/2018 12:42:40 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

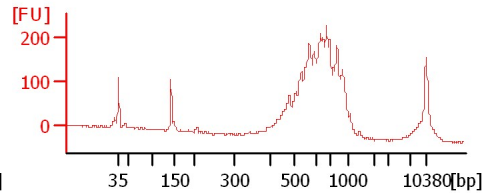
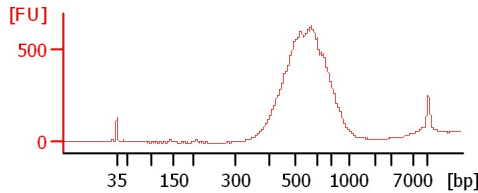
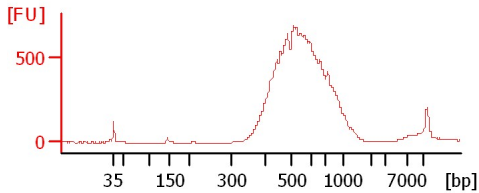
Chip Information:

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

**Barcode#1**

**Barcode#2**

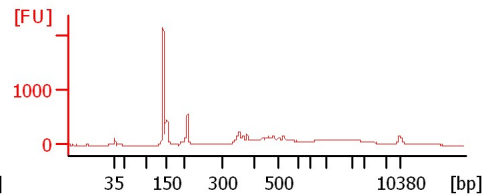
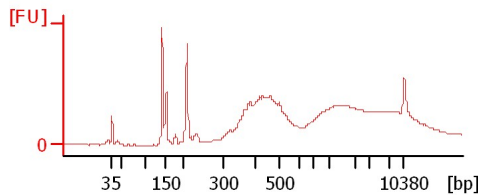
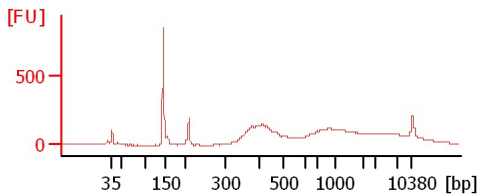
**Barcode#3**



**barcode#1(supernatant)**

**barcode#2(supernatant)**

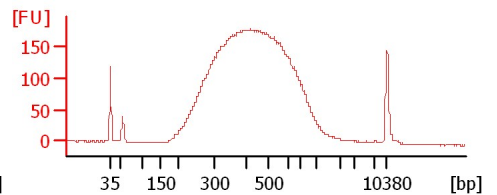
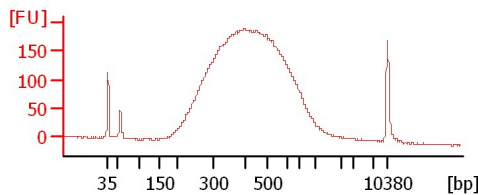
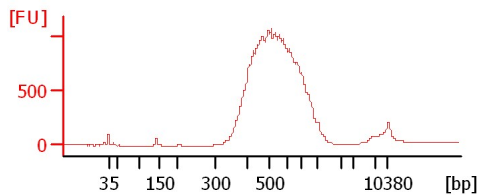
**barcode#3(supernatant)**



**barcode#1(high cons.)**

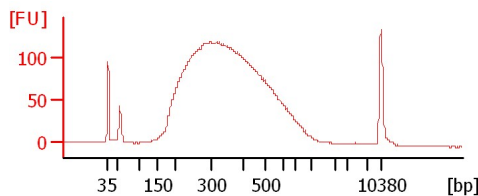
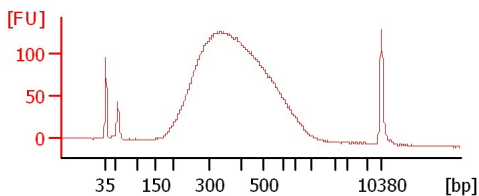
**7**

**7.2**



**78**

**78.2**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-21\2018-12-21\_001.xad

Created: 12/21/2018 11:51:54 AM  
 Modified: 12/21/2018 12:42:40 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Barcode#1		<input type="checkbox"/>	✓			
Barcode#2		<input type="checkbox"/>	✓			
Barcode#3		<input type="checkbox"/>	✓			
barcode#1(supernatant)		<input type="checkbox"/>	✓			
barcode#2(supernatant)		<input type="checkbox"/>	✓			
barcode#3(supernatant)		<input type="checkbox"/>	✓			
barcode#1(high cons.)		<input type="checkbox"/>	✓			
7		<input type="checkbox"/>	✓			
7.2		<input type="checkbox"/>	✓			
78		<input type="checkbox"/>	✓			
78.2		<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\2018-12-21\2018-12-21\_001.xad

Created: 12/21/2018 11:51:54 AM  
Modified: 12/21/2018 12:42:40 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

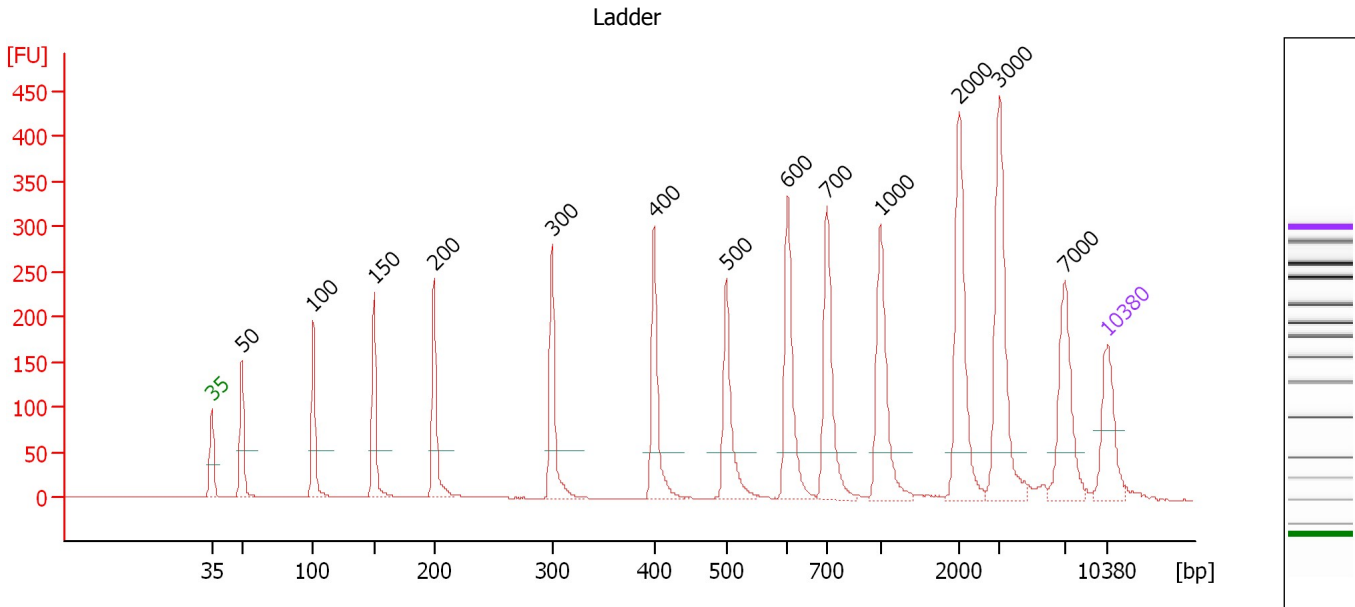
**Ladder**

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\2018-12-21\2018-12-21\_001.xad

Created: 12/21/2018 11:51:54 AM  
 Modified: 12/21/2018 12:42:40 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.4

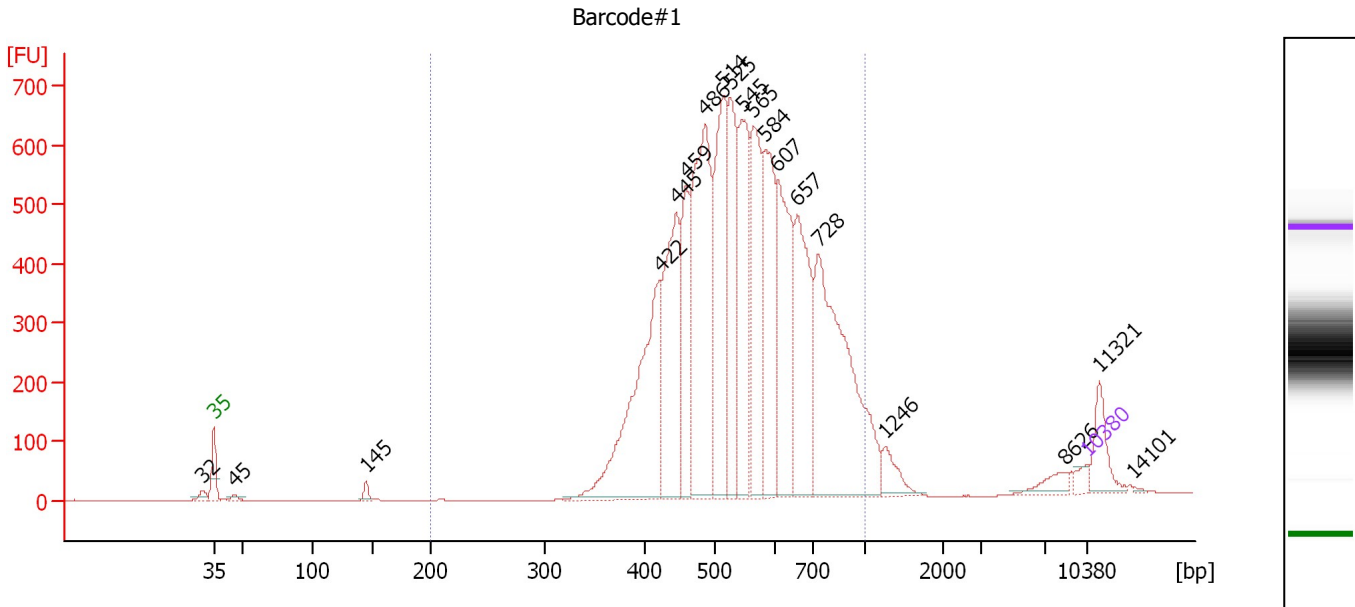
**Peak table for Ladder**

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	45.33
3	100	150.00	2,272.7	Ladder Peak	50.92
4	150	150.00	1,515.2	Ladder Peak	55.67
5	200	150.00	1,136.4	Ladder Peak	60.33
6	300	150.00	757.6	Ladder Peak	69.54
7	400	150.00	568.2	Ladder Peak	77.54
8	500	150.00	454.5	Ladder Peak	83.17
9	600	150.00	378.8	Ladder Peak	87.96
10	700	150.00	324.7	Ladder Peak	91.04
11	1,000	150.00	227.3	Ladder Peak	95.21
12	2,000	150.00	113.6	Ladder Peak	101.38
13	3,000	150.00	75.8	Ladder Peak	104.54
14	7,000	150.00	32.5	Ladder Peak	109.63
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-21\2018-12-21\_001.xad

Created: 12/21/2018 11:51:54 AM  
 Modified: 12/21/2018 12:42:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : Barcode#1**

Number of peaks found: 19                      Corr. Area 1: 10,607.1  
 Noise: 0.4

**Peak table for sample 1 : Barcode#1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.15
2	35	125.00	5,411.3	Lower Marker	43.00
3	45	49.89	1,663.9		44.62
4	145	81.98	855.2		55.21
5	422	2,697.71	9,681.4		78.79
6	445	1,932.97	6,581.9		80.07
7	459	1,120.27	3,700.9		80.84
8	486	2,970.50	9,261.3		82.38
9	514	2,060.17	6,074.8		83.83
10	525	1,347.08	3,884.5		84.38
11	545	1,536.35	4,270.9		85.32
12	565	1,509.84	4,051.5		86.26
13	584	1,551.16	4,022.6		87.20
14	607	1,676.08	4,181.0		88.19
15	657	1,595.68	3,678.5		89.72
16	728	3,153.15	6,561.6		91.43
17	1,246	238.16	289.5		96.73
18	8,626	131.52	23.1		111.25
19	10,380	75.00	10.9	Upper Marker	113.00
20	11,321	0.00	0.0		113.94
21	14,101	0.00	0.0		116.72

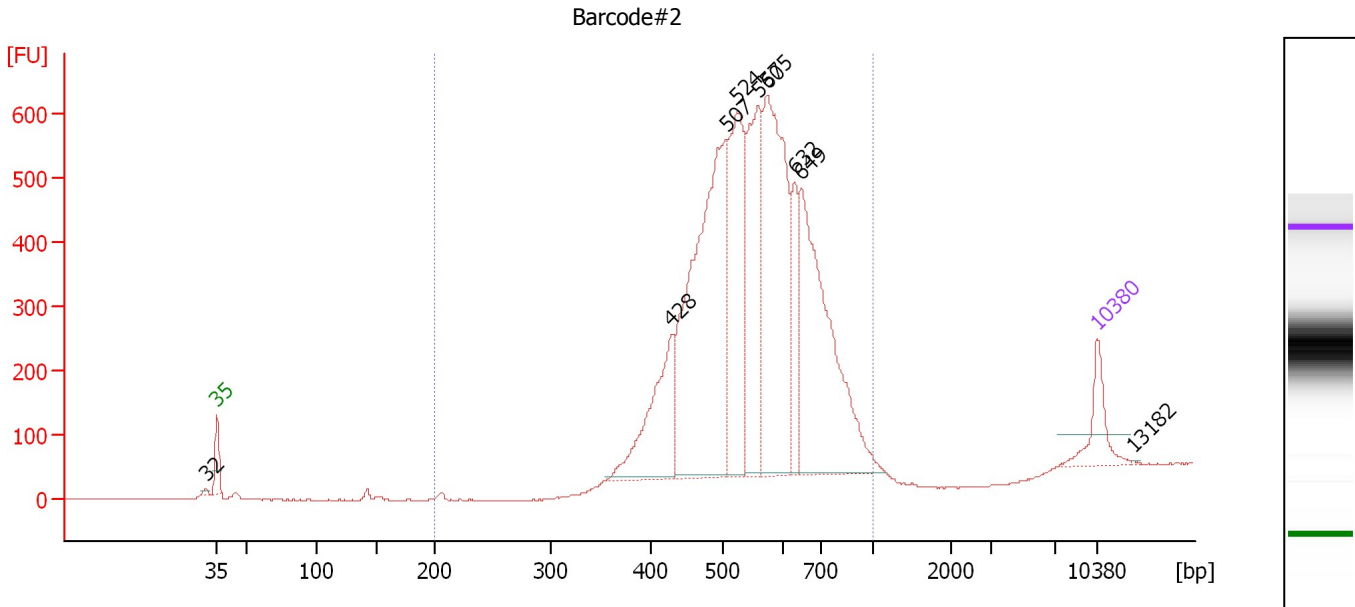
**Region table for sample 1 : Barcode#1**

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	565	22,597.54	10,607.1	64,527.5	94	23.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-21\2018-12-21\_001.xad

Created: 12/21/2018 11:51:54 AM  
 Modified: 12/21/2018 12:42:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : Barcode#2**

Number of peaks found: 9                      Corr. Area 1: 7,863.4  
 Noise: 0.9

**Peak table for sample 2 : Barcode#2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.11
2	35	125.00	5,411.3	Lower Marker	43.00
3	428	315.47	1,116.5		79.12
4	507	962.83	2,878.7		83.49
5	524	452.08	1,306.0		84.34
6	560	385.84	1,044.2		86.03
7	575	656.39	1,729.9		86.76
8	632	136.09	326.0		88.96
9	649	648.13	1,513.1		89.47
10	10,380	75.00	10.9	Upper Marker	113.00
11	13,182	0.00	0.0		115.80

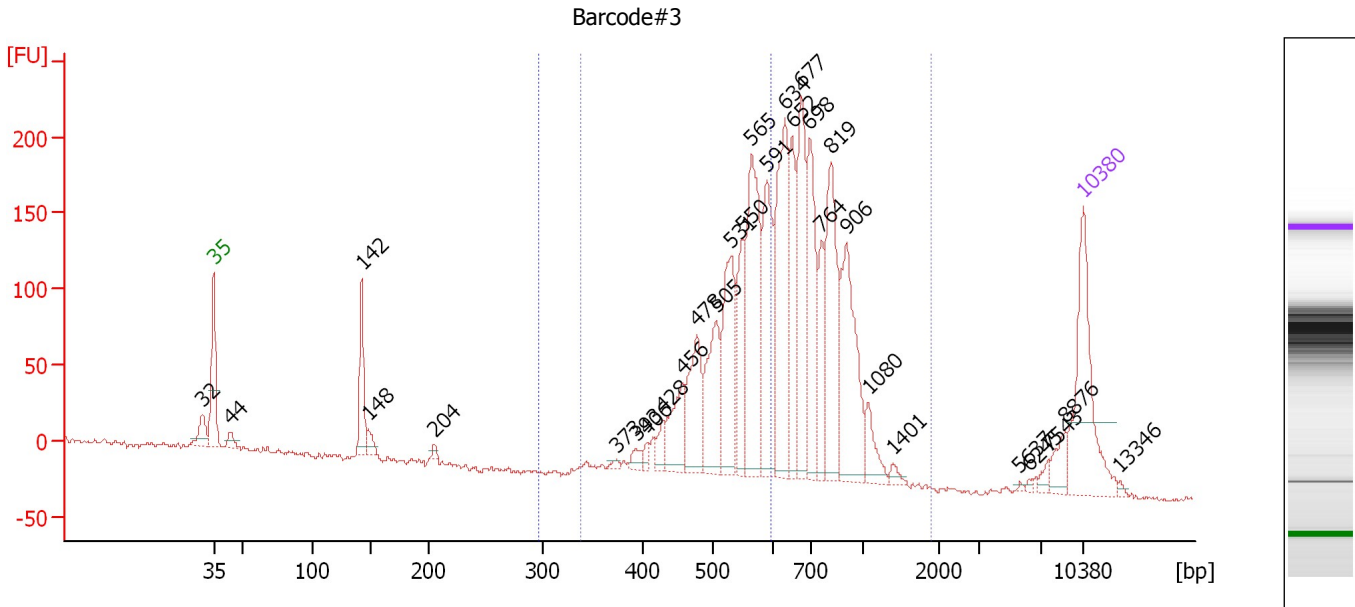
**Region table for sample 2 : Barcode#2**

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	564	3,580.18	7,863.4	10,044.2	100	18.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-21\2018-12-21\_001.xad

Created: 12/21/2018 11:51:54 AM  
 Modified: 12/21/2018 12:42:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : Barcode#3**

Number of peaks found: 30      Corr. Area 1: 2,806.8  
 Noise: 1.7      Corr. Area 2: 1,258.3

**Peak table for sample 3 : Barcode#3**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.14
2	35	125.00	5,411.3	Lower Marker	43.00
3	44	9.20	318.1		44.37
4	142	52.71	561.4		54.93
5	148	10.13	103.9		55.45
6	204	3.51	26.1		60.73
7	373	2.67	10.8		75.40
8	393	7.43	28.6		76.99
9	406	5.42	20.2		77.89
10	428	12.68	44.9		79.14
11	456	41.21	137.0		80.68
12	478	59.87	189.8		81.93
13	505	65.80	197.2		83.43
14	531	80.62	229.8		84.67
15	550	54.39	149.8		85.58
16	565	119.72	320.8		86.30
17	591	88.11	225.7		87.55
18	634	119.38	285.3		89.01
19	652	61.48	142.8		89.57
20	677	88.64	198.3		90.34
21	698	82.53	179.1		90.98
22	764	38.59	76.6		91.93
23	819	92.99	172.0		92.70
24	906	93.59	156.5		93.90
25	1,080	19.45	27.3		95.70

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-21\2018-12-21\_001.xad

Created: 12/21/2018 11:51:54 AM  
 Modified: 12/21/2018 12:42:40 PM

### Electropherogram Summary Continued ...



#### ... Peak table for sample 3 :

#### Barcode#3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,401	4.26	4.6		97.68
27	5,637	0.87	0.2		107.89
28	6,245	1.38	0.3		108.67
29	7,543	4.68	0.9		110.17
30	8,876	13.10	2.2		111.50
31	10,380	75.00	10.9	Upper Marker	113.00
32	13,346	0.00	0.0		115.96

#### Region table for sample 3 :

#### Barcode#3

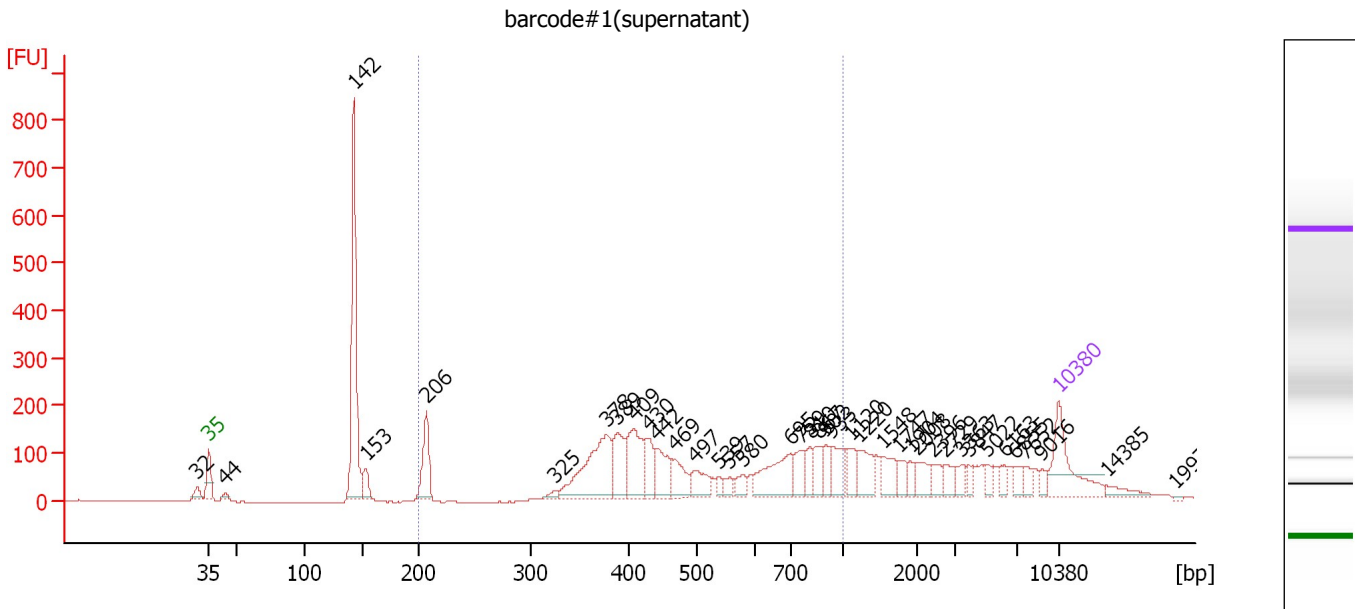
From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
296	598	526	531.61	1,258.3	1,555.1	 41	10.2
337	1,908	659	1,149.14	2,806.8	2,829.8	 92	24.8



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-21\2018-12-21\_001.xad

Created: 12/21/2018 11:51:54 AM  
 Modified: 12/21/2018 12:42:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : barcode#1(supernatant)**

Number of peaks found: 39                      Corr. Area 1: 2,647.4  
 Noise: 0.8

**Peak table for sample 4 : barcode#1(supernatant)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.03
2	35	125.00	5,411.3	Lower Marker	43.00
3	44	8.34	288.7		44.36
4	142	350.06	3,722.6		54.95
5	153	29.22	290.0		55.92
6	206	81.83	600.5		60.93
7	325	6.78	31.6		71.52
8	378	166.20	666.2		75.78
9	389	73.45	286.1		76.66
10	409	98.45	365.1		78.02
11	430	48.81	171.8		79.25
12	442	59.51	203.9		79.91
13	469	45.92	148.5		81.41
14	497	41.06	125.2		82.99
15	539	10.70	30.1		85.05
16	557	13.94	37.9		85.89
17	580	18.57	48.5		86.99
18	695	91.39	199.1		90.90
19	759	33.55	67.0		91.86
20	810	24.71	46.2		92.57
21	867	29.87	52.2		93.36
22	902	22.96	38.6		93.84
23	933	41.42	67.2		94.28
24	1,120	29.66	40.1		95.95
25	1,220	41.15	51.1		96.57

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-21\2018-12-21\_001.xad

Created: 12/21/2018 11:51:54 AM  
 Modified: 12/21/2018 12:42:40 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 4 : barcode#1(supernatant)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,548	30.60	29.9		98.59
27	1,747	17.15	14.9		99.82
28	1,904	11.73	9.3		100.78
29	2,008	24.71	18.7		101.40
30	2,396	15.83	10.0		102.63
31	2,729	16.88	9.4		103.68
32	3,363	15.90	7.2		105.00
33	3,847	10.60	4.2		105.62
34	5,022	11.32	3.4		107.11
35	6,163	12.66	3.1		108.56
36	6,855	12.20	2.7		109.44
37	7,652	11.41	2.3		110.28
38	9,016	7.70	1.3		111.64
39	10,380	75.00	10.9	Upper Marker	113.00
40	14,385	0.00	0.0		117.00
41	19,974	0.00	0.0		122.58

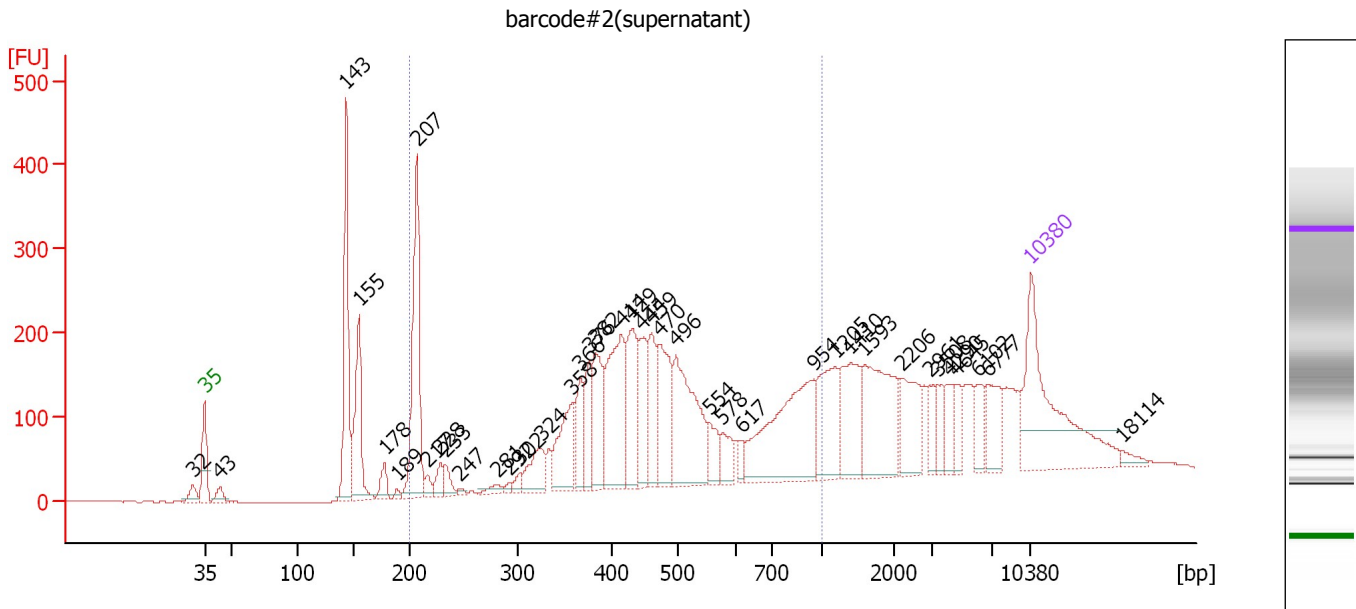
**Region table for sample 4 : barcode#1(supernatant)**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	532	952.21	2,647.4	3,357.0	55	37.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-21\2018-12-21\_001.xad

Created: 12/21/2018 11:51:54 AM  
 Modified: 12/21/2018 12:42:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : barcode#2(supernatant)**

Number of peaks found: 40                      Corr. Area 1: 3,729.6  
 Noise: 0.6

**Peak table for sample 5 : barcode#2(supernatant)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.01
2	35	125.00	5,411.3	Lower Marker	43.00
3	43	8.94	311.8		44.31
4	143	103.07	1,091.1		55.01
5	155	65.87	645.5		56.10
6	178	11.25	95.9		58.26
7	189	2.36	18.9		59.30
8	207	108.77	794.5		61.02
9	217	6.03	42.0		61.92
10	228	10.09	67.1		62.92
11	233	9.54	61.9		63.41
12	247	2.14	13.2		64.63
13	281	5.50	29.7		67.79
14	292	2.27	11.8		68.79
15	302	5.35	26.8		69.74
16	324	24.13	112.7		71.50
17	358	42.66	180.7		74.16
18	366	24.36	100.8		74.84
19	376	27.77	112.0		75.61
20	382	42.19	167.3		76.10
21	414	74.96	274.5		78.32
22	429	48.91	172.7		79.17
23	444	31.27	106.7		80.03
24	459	34.53	114.1		80.85
25	470	49.92	160.9		81.48

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-21\2018-12-21\_001.xad

Created: 12/21/2018 11:51:54 AM  
 Modified: 12/21/2018 12:42:40 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 5 : barcode#2(supernatant)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	496	79.47	242.9		82.92
27	554	15.78	43.1		85.77
28	578	14.27	37.4		86.90
29	617	5.94	14.6		88.48
30	954	88.34	140.2		94.57
31	1,205	41.88	52.7		96.47
32	1,410	40.39	43.4		97.74
33	1,593	59.65	56.7		98.86
34	2,206	30.01	20.6		102.03
35	2,961	10.61	5.4		104.42
36	3,508	10.57	4.6		105.19
37	4,290	11.20	4.0		106.18
38	4,645	9.14	3.0		106.63
39	6,102	12.19	3.0		108.48
40	6,777	20.75	4.6		109.34
41	10,380	75.00	10.9	Upper Marker	113.00
42	18,114	0.00	0.0		120.72

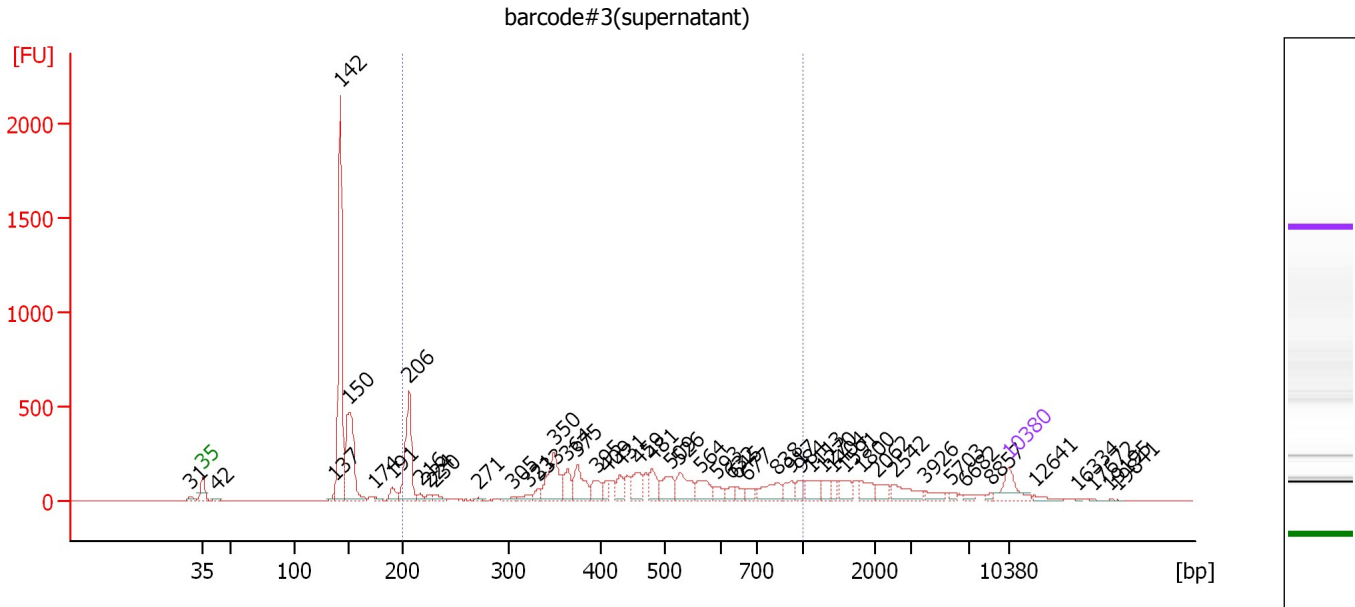
**Region table for sample 5 : barcode#2(supernatant)**

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	488	723.19	3,729.6	2,829.6	59	38.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-21\2018-12-21\_001.xad

Created: 12/21/2018 11:51:54 AM  
 Modified: 12/21/2018 12:42:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : barcode#3(supernatant)

Number of peaks found: 49                      Corr. Area 1: 3,934.9  
 Noise: 0.9

Peak table for sample 6 : barcode#3(supernatant)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.99
2	35	125.00	5,411.3	Lower Marker	43.00
3	42	8.26	297.0		44.11
4	137	14.42	159.5		54.43
5	142	1,035.39	11,024.1		54.94
6	150	454.83	4,592.2		55.67
7	174	8.34	72.7		57.88
8	191	46.64	370.8		59.45
9	206	361.68	2,654.5		60.93
10	216	18.33	128.3		61.85
11	224	17.73	119.9		62.54
12	230	21.76	143.4		63.09
13	271	5.60	31.3		66.92
14	305	10.10	50.1		69.96
15	321	24.07	113.5		71.25
16	333	25.25	114.8		72.22
17	350	209.48	908.0		73.51
18	364	77.92	324.4		74.66
19	375	126.12	509.7		75.53
20	395	65.33	250.6		77.15
21	409	36.43	134.8		78.07
22	431	53.11	186.8		79.27
23	459	87.88	290.4		80.83
24	481	83.15	262.1		82.08
25	509	89.66	266.9		83.60

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-21\2018-12-21\_001.xad

Created: 12/21/2018 11:51:54 AM  
 Modified: 12/21/2018 12:42:40 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 6 : barcode#3(supernatant)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	526	115.21	331.6		84.43
27	564	75.40	202.6		86.23
28	593	33.71	86.2		87.61
29	632	29.16	69.9		88.94
30	645	26.31	61.8		89.36
31	677	28.90	64.7		90.33
32	838	79.61	144.0		92.95
33	917	46.89	77.5		94.06
34	984	31.61	48.7		94.98
35	1,113	60.06	81.8		95.90
36	1,270	36.94	44.1		96.87
37	1,404	24.27	26.2		97.70
38	1,591	44.44	42.3		98.85
39	1,800	51.01	42.9		100.14
40	2,062	36.74	27.0		101.57
41	2,542	59.83	35.7		103.09
42	3,926	26.08	10.1		105.72
43	5,703	8.82	2.3		107.98
44	6,682	10.25	2.3		109.22
45	8,857	6.80	1.2		111.48
46	10,380	75.00	10.9	Upper Marker	113.00
47	12,641	0.00	0.0		115.26
48	16,334	0.00	0.0		118.94
49	17,672	0.00	0.0		120.28
50	19,195	0.00	0.0		121.80
51	19,841	0.00	0.0		122.45

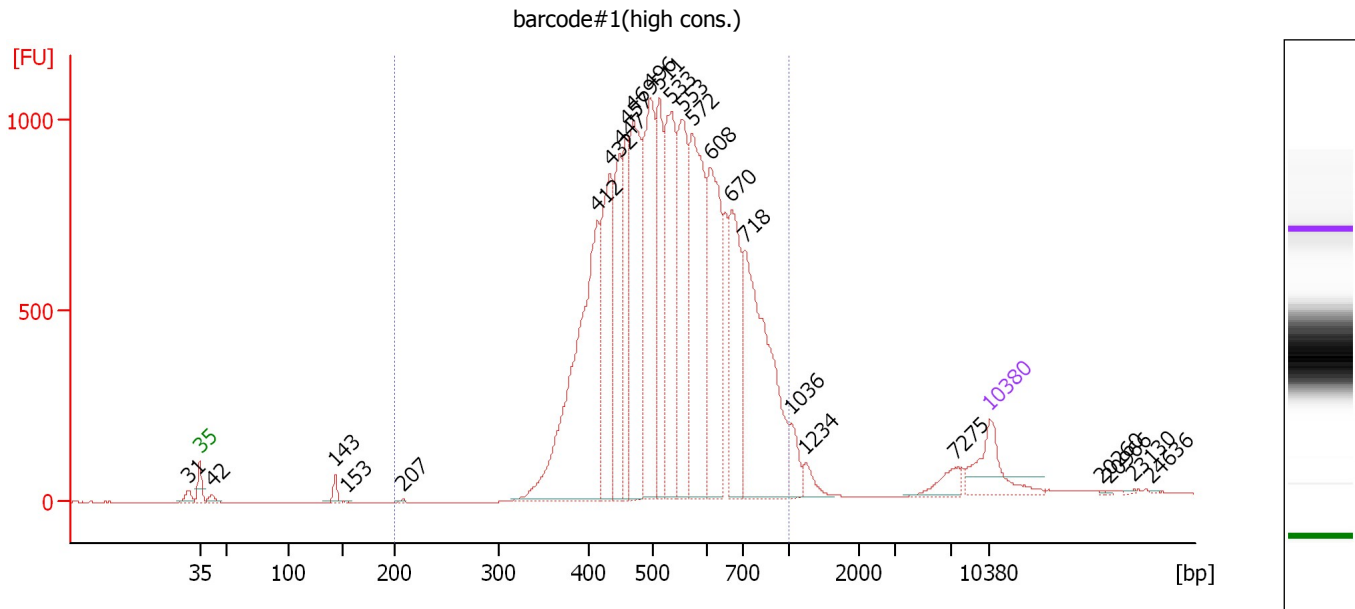
**Region table for sample 6 : barcode#3(supernatant)**

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	472	1,909.30	3,934.9	7,949.7	51	40.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-21\2018-12-21\_001.xad

Created: 12/21/2018 11:51:54 AM  
 Modified: 12/21/2018 12:42:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : barcode#1(high cons.)**

Number of peaks found: 25                      Corr. Area 1: 17,887.8  
 Noise: 0.4

**Peak table for sample 7 : barcode#1(high cons.)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.97
2	35	125.00	5,411.3	Lower Marker	43.00
3	42	11.96	432.1		44.08
4	143	19.56	207.6		54.98
5	153	1.44	14.2		55.97
6	207	2.64	19.3		60.99
7	412	622.99	2,289.3		78.23
8	432	303.17	1,064.5		79.32
9	447	209.10	708.1		80.21
10	457	193.44	640.7		80.77
11	469	339.38	1,096.1		81.43
12	496	374.60	1,144.7		82.93
13	511	214.57	636.5		83.68
14	533	336.42	955.7		84.77
15	553	281.86	772.3		85.70
16	572	395.49	1,048.4		86.60
17	608	314.58	784.4		88.19
18	670	229.76	519.5		90.12
19	718	463.55	977.8		91.30
20	1,036	37.96	55.5		95.43
21	1,234	22.34	27.4		96.65
22	7,275	28.75	6.0		109.90
23	10,380	75.00	10.9	Upper Marker	113.00
24	20,260	0.00	0.0		122.87
25	20,966	0.00	0.0		123.57

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-21\2018-12-21\_001.xad

Created: 12/21/2018 11:51:54 AM  
 Modified: 12/21/2018 12:42:40 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 7 : barcode#1(high cons.)

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	23,130	0.00	0.0		125.73
27	24,636	0.00	0.0		127.23

#### Region table for sample 7 : barcode#1(high cons.)

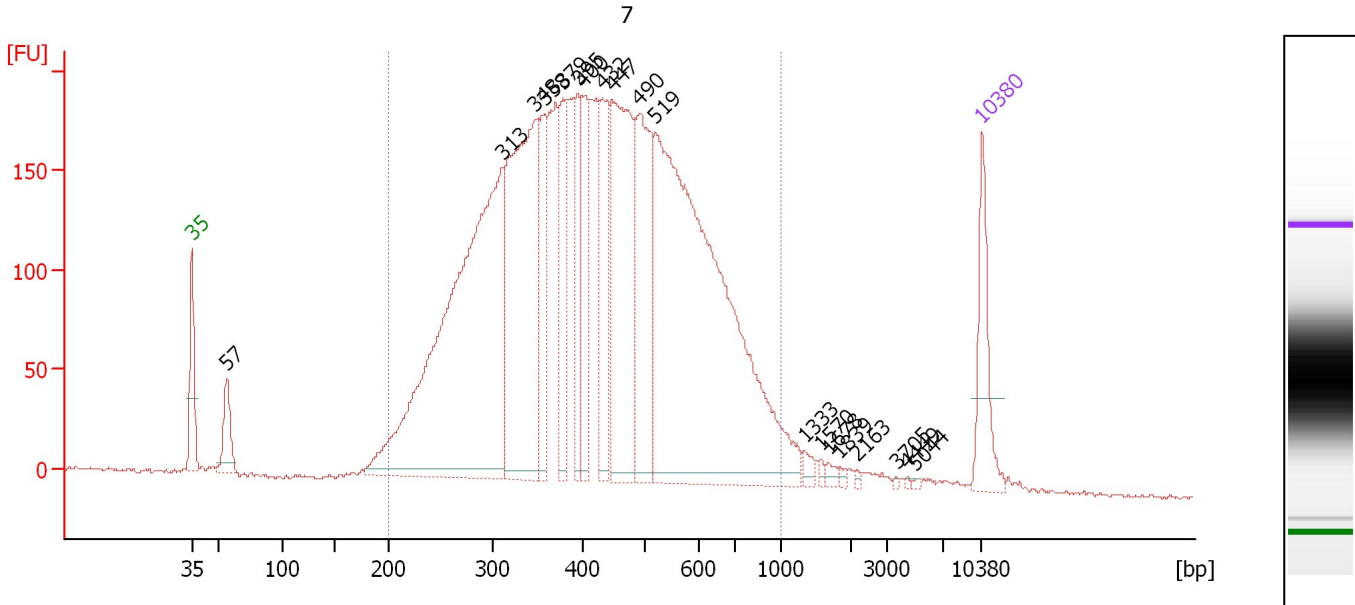
From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ $\mu$ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	551	4,318.55	17,887.8	12,682.9	 96	23.7



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-21\2018-12-21\_001.xad

Created: 12/21/2018 11:51:54 AM  
 Modified: 12/21/2018 12:42:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 7**

Number of peaks found: 19                      Corr. Area 1: 5,924.3  
 Noise: 0.8

**Peak table for sample 8 : 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	57	73.46	1,966.0		46.07
3	313	981.21	4,754.7		70.56
4	348	515.99	2,249.6		73.34
5	358	110.38	467.7		74.15
6	379	118.04	472.1		75.85
7	395	115.63	443.1		77.17
8	400	106.09	401.7		77.55
9	432	141.95	497.7		79.35
10	447	352.22	1,193.3		80.20
11	490	249.14	770.3		82.61
12	519	1,000.06	2,920.0		84.07
13	1,333	10.73	12.2		97.26
14	1,570	4.26	4.1		98.73
15	1,678	6.67	6.0		99.39
16	1,839	3.27	2.7		100.38
17	2,163	2.59	1.8		101.89
18	3,705	1.66	0.7		105.44
19	4,449	1.72	0.6		106.38
20	5,044	1.84	0.6		107.14
21	10,380	75.00	10.9	Upper Marker	113.00

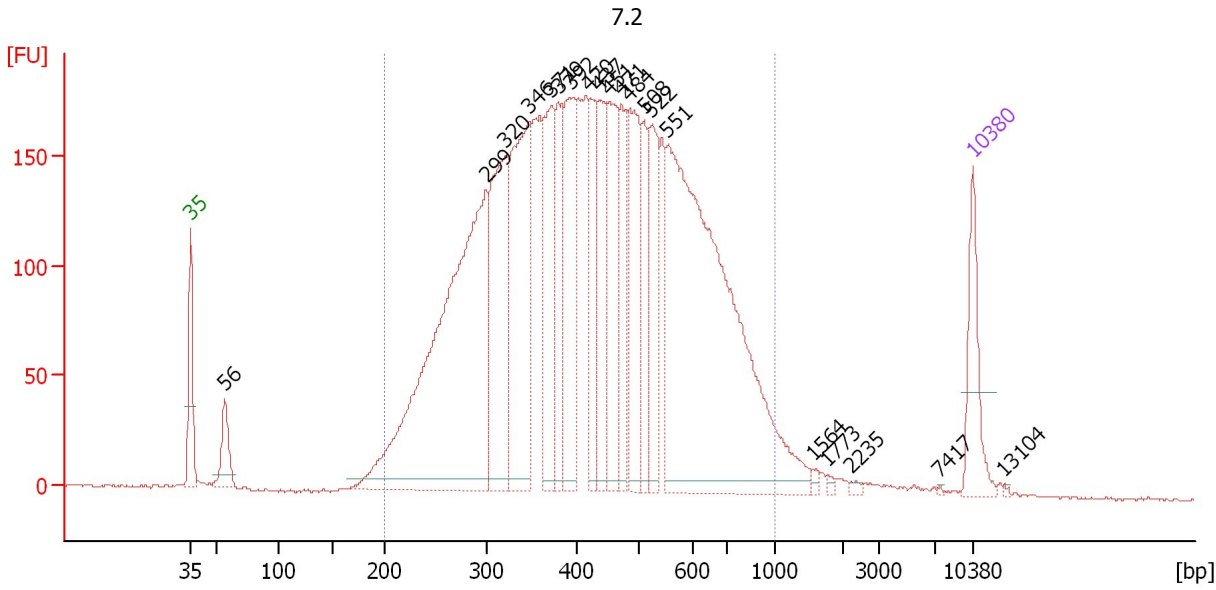
**Region table for sample 8 : 7**

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	441	4,170.91	5,924.3	16,570.6	95	32.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-21\2018-12-21\_001.xad

Created: 12/21/2018 11:51:54 AM  
 Modified: 12/21/2018 12:42:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 7.2**

Number of peaks found: 20                      Corr. Area 1: 5,702.3  
 Noise: 0.4

**Peak table for sample 9 : 7.2**

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	56	74.15	1,990.1		46.05
3	299	914.43	4,628.2		69.48
4	320	307.36	1,454.7		71.15
5	346	368.79	1,613.2		73.25
6	371	206.11	840.8		75.26
7	379	116.23	464.4		75.88
8	392	220.38	851.1		76.93
9	420	127.97	461.2		78.69
10	437	151.14	524.6		79.60
11	451	181.49	609.7		80.41
12	471	120.57	387.6		81.55
13	484	196.18	614.0		82.27
14	508	97.02	289.3		83.56
15	522	150.53	436.8		84.23
16	551	916.71	2,520.7		85.61
17	1,564	5.49	5.3		98.69
18	1,773	3.95	3.4		99.97
19	2,235	3.47	2.3		102.12
20	7,417	1.20	0.2		110.04
21	10,380	75.00	10.9	Upper Marker	113.00
22	13,104	0.00	0.0		115.72

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-21\2018-12-21\_001.xad

Created: 12/21/2018 11:51:54 AM  
Modified: 12/21/2018 12:42:40 PM

**Electropherogram Summary Continued ...**

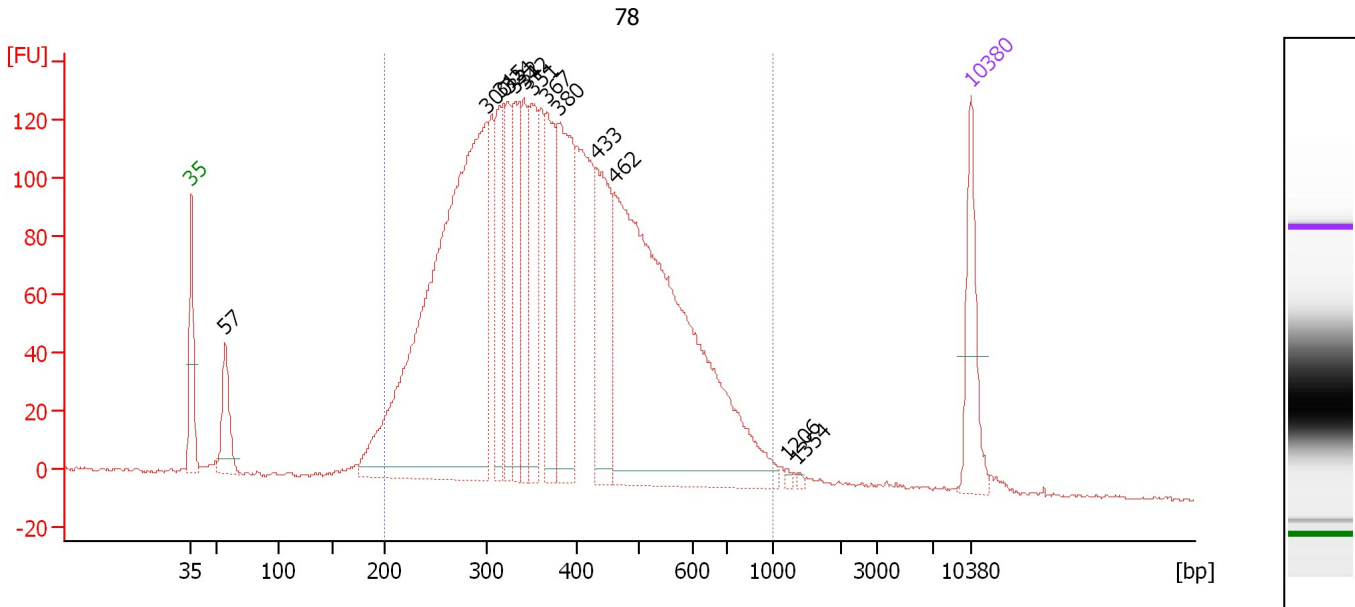
... Region table for sample 9 : 7.2

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ $\mu$ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	447	4,569.37	5,702.3	18,021.6	 95	33.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-21\2018-12-21\_001.xad

Created: 12/21/2018 11:51:54 AM  
 Modified: 12/21/2018 12:42:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 78**

Number of peaks found: 13                      Corr. Area 1: 3,802.3  
 Noise: 0.5

**Peak table for sample 10 : 78**

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	57	94.35	2,528.1		46.06
3	300	1,028.38	5,196.9		69.53
4	315	125.23	602.8		70.72
5	324	124.44	582.4		71.44
6	332	130.68	597.3		72.06
7	342	103.78	460.2		72.88
8	351	131.90	569.9		73.60
9	367	151.68	625.5		74.94
10	380	229.98	917.0		75.94
11	433	176.01	616.1		79.39
12	462	835.05	2,739.9		81.02
13	1,206	3.39	4.3		96.48
14	1,354	2.57	2.9		97.39
15	10,380	75.00	10.9	Upper Marker	113.00

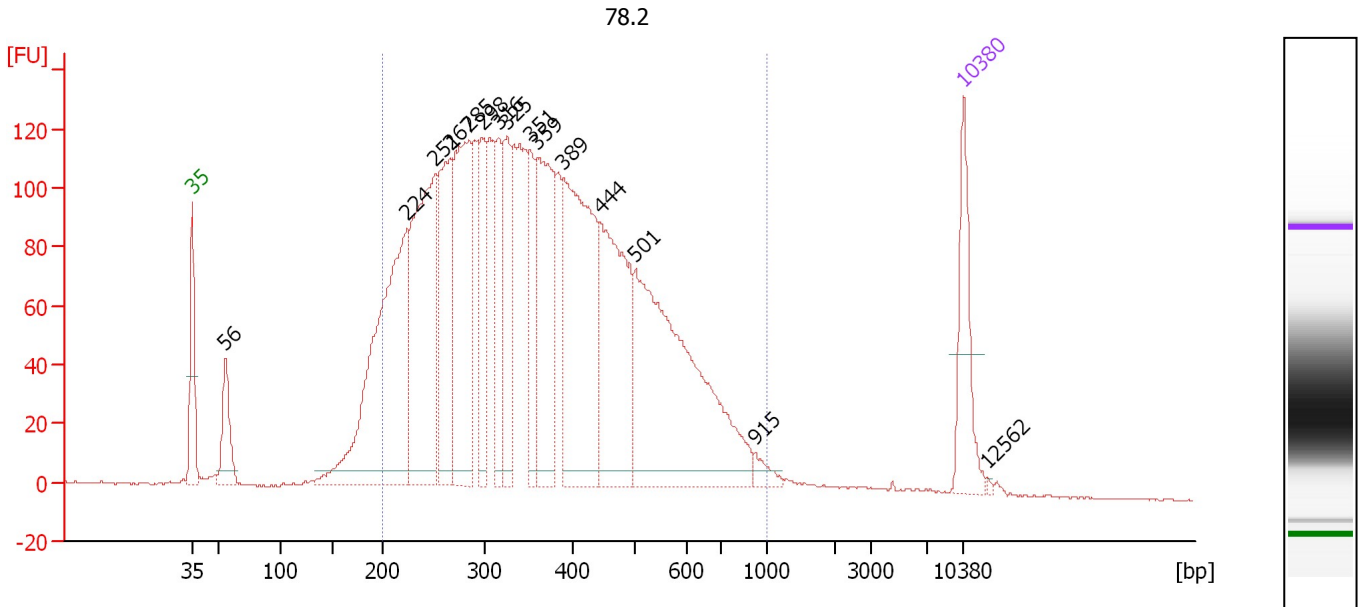
**Region table for sample 10 : 78**

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	400	3,479.11	3,802.3	15,087.2	94	32.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-21\2018-12-21\_001.xad

Created: 12/21/2018 11:51:54 AM  
 Modified: 12/21/2018 12:42:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 78.2**

Number of peaks found: 15                      Corr. Area 1: 3,849.2  
 Noise: 0.3

**Peak table for sample 11 : 78.2**

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	56	85.30	2,308.6		46.00
3	224	491.92	3,332.9		62.51
4	251	372.83	2,246.2		65.07
5	267	211.97	1,204.1		66.48
6	285	268.25	1,428.1		68.12
7	298	121.29	617.2		69.33
8	316	108.77	521.2		70.84
9	325	127.35	593.2		71.56
10	351	96.15	414.7		73.64
11	359	225.60	951.8		74.27
12	389	340.26	1,324.0		76.69
13	444	252.69	861.7		80.03
14	501	449.31	1,358.1		83.23
15	915	13.48	22.3		94.02
16	10,380	75.00	10.9	Upper Marker	113.00
17	12,562	0.00	0.0		115.18

**Region table for sample 11 : 78.2**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	381	3,379.75	3,849.2	15,648.5	91	35.6

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-12-21\2018-12-21\_001.xad

Created: 12/21/2018 11:51:54 AM  
Modified: 12/21/2018 12:42:40 PM

Gel Image

