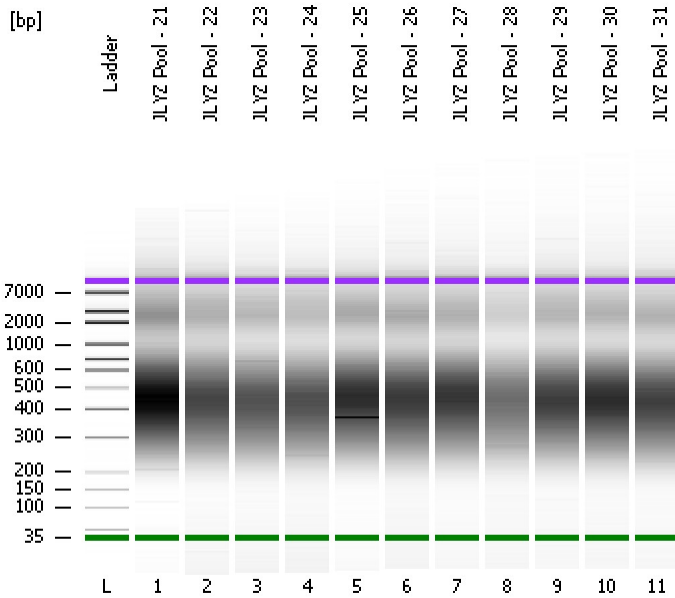


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
Modified: 7/23/2018 10:18:04 AM

**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

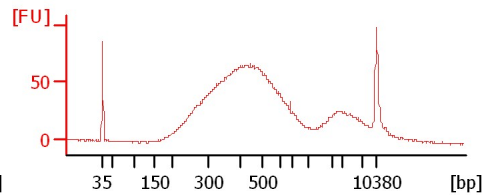
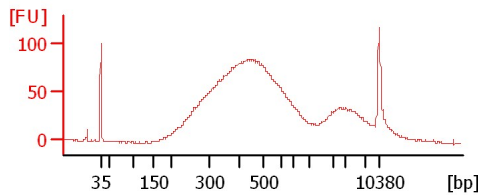
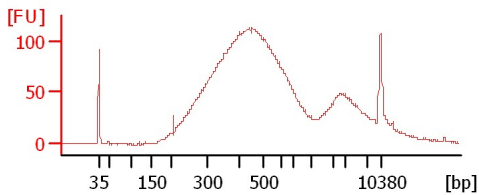
Chip Information:

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

JLYZ Pool - 21

JLYZ Pool - 22

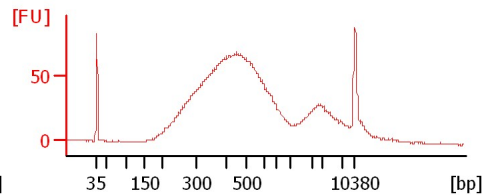
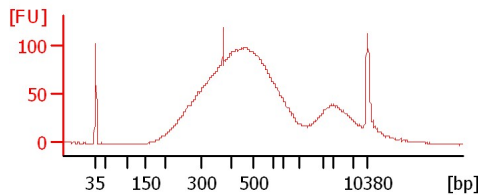
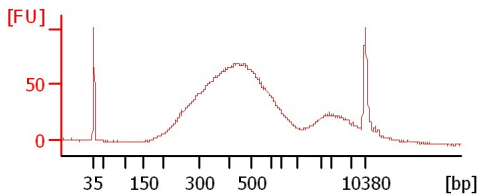
JLYZ Pool - 23



JLYZ Pool - 24

JLYZ Pool - 25

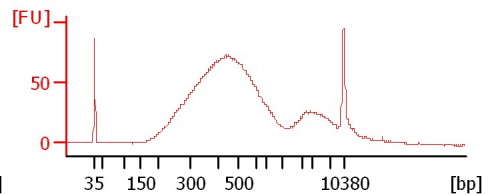
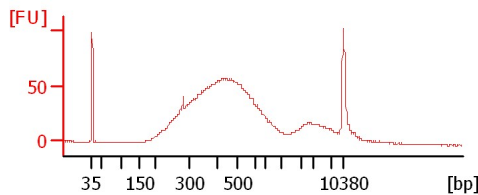
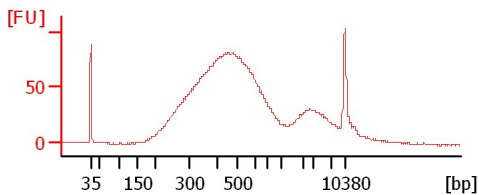
JLYZ Pool - 26



JLYZ Pool - 27

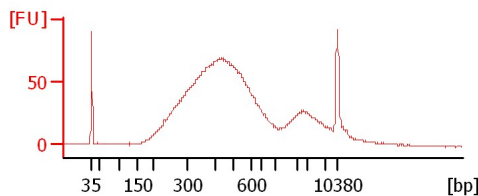
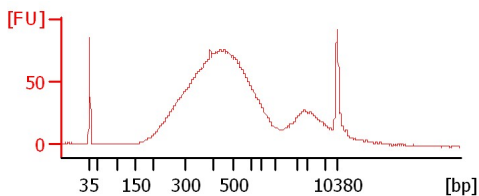
JLYZ Pool - 28

JLYZ Pool - 29



JLYZ Pool - 30

JLYZ Pool - 31



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
 Modified: 7/23/2018 10:18:04 AM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
JLYZ Pool - 21		<input type="checkbox"/>	✓			
JLYZ Pool - 22		<input type="checkbox"/>	✓			
JLYZ Pool - 23		<input type="checkbox"/>	✓			
JLYZ Pool - 24		<input type="checkbox"/>	✓			
JLYZ Pool - 25		<input type="checkbox"/>	✓			
JLYZ Pool - 26		<input type="checkbox"/>	✓			
JLYZ Pool - 27		<input type="checkbox"/>	✓			
JLYZ Pool - 28		<input type="checkbox"/>	✓			
JLYZ Pool - 29		<input type="checkbox"/>	✓			
JLYZ Pool - 30		<input type="checkbox"/>	✓			
JLYZ Pool - 31		<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\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
Modified: 7/23/2018 10:18:04 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

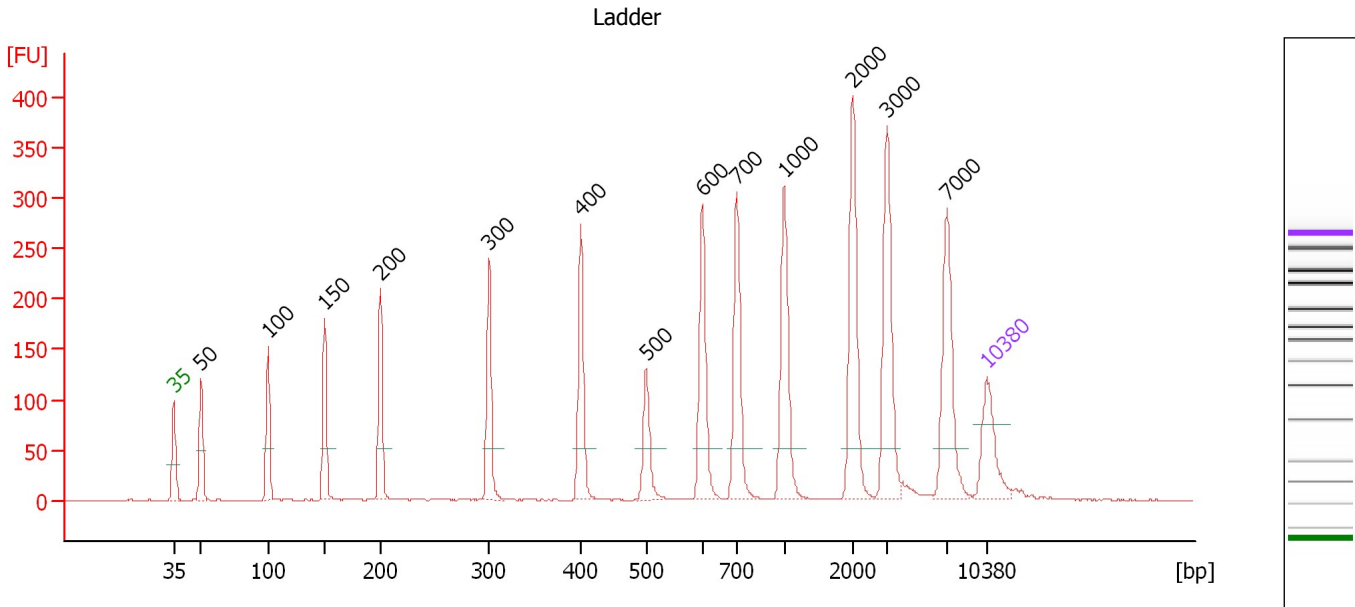
**Ladder**

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\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
 Modified: 7/23/2018 10:18:04 AM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.3

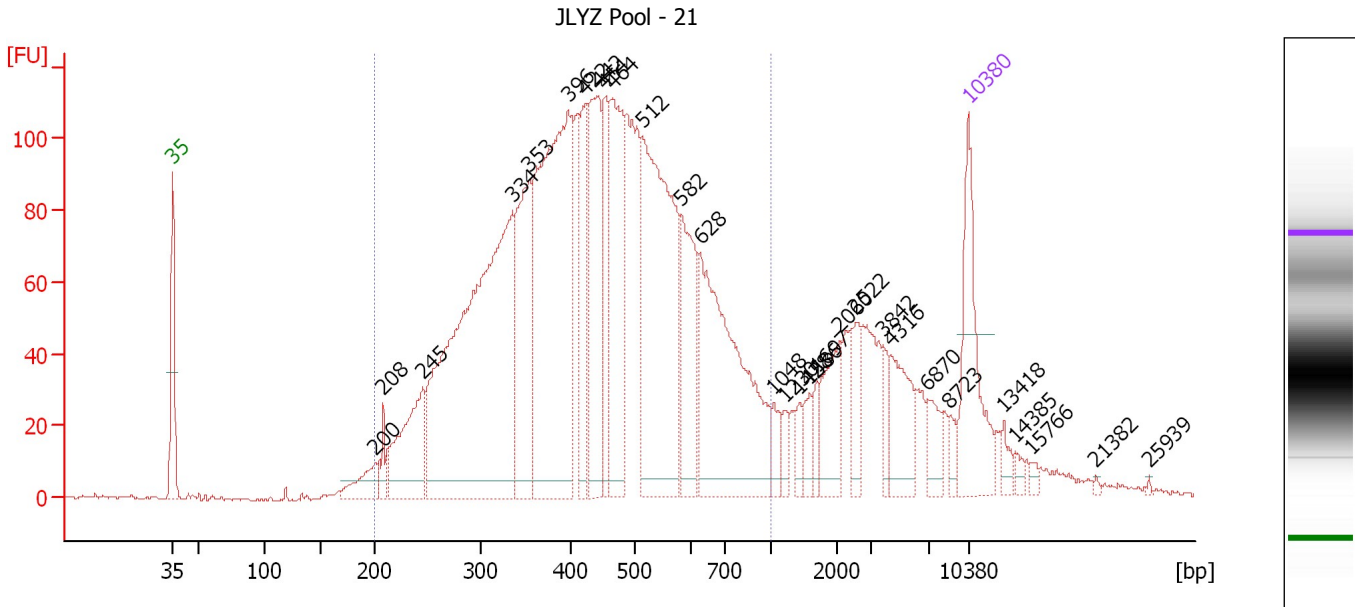
**Peak table for Ladder**

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	45.34
3	100	150.00	2,272.7	Ladder Peak	51.12
4	150	150.00	1,515.2	Ladder Peak	55.99
5	200	150.00	1,136.4	Ladder Peak	60.81
6	300	150.00	757.6	Ladder Peak	70.13
7	400	150.00	568.2	Ladder Peak	78.07
8	500	150.00	454.5	Ladder Peak	83.67
9	600	150.00	378.8	Ladder Peak	88.53
10	700	150.00	324.7	Ladder Peak	91.47
11	1,000	150.00	227.3	Ladder Peak	95.56
12	2,000	150.00	113.6	Ladder Peak	101.48
13	3,000	150.00	75.8	Ladder Peak	104.42
14	7,000	150.00	32.5	Ladder Peak	109.56
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
 Modified: 7/23/2018 10:18:04 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : JLYZ Pool - 21**

Number of peaks found: 29                      Corr. Area 1: 3,088.3  
 Noise: 0.5

**Peak table for sample 1 : JLYZ Pool - 21**

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	200	36.27	275.3		60.77
3	208	16.46	120.1		61.52
4	245	106.43	658.6		64.99
5	334	519.02	2,351.1		72.87
6	353	147.19	631.1		74.37
7	396	373.28	1,426.5		77.79
8	422	78.31	281.3		79.29
9	442	131.24	450.0		80.41
10	451	73.05	245.4		80.93
11	464	147.29	480.5		81.68
12	512	287.29	849.9		84.26
13	582	93.66	243.6		87.68
14	628	231.81	558.9		89.37
15	1,048	14.32	20.7		95.84
16	1,230	10.46	12.9		96.92
17	1,428	10.78	11.4		98.09
18	1,586	13.77	13.1		99.03
19	1,697	11.55	10.3		99.68
20	2,060	43.44	32.0		101.65
21	2,522	22.08	13.3		103.01
22	3,842	14.07	5.5		105.50
23	4,316	43.67	15.3		106.11
24	6,870	19.34	4.3		109.39
25	8,723	8.49	1.5		111.31

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
 Modified: 7/23/2018 10:18:04 AM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 1 : JLYZ Pool - 21

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	10,380	75.00	10.9	Upper Marker	113.00
27	13,418	0.00	0.0		116.09
28	14,385	0.00	0.0		117.08
29	15,766	0.00	0.0		118.49
30	21,382	0.00	0.0		124.21
31	25,939	0.00	0.0		128.85

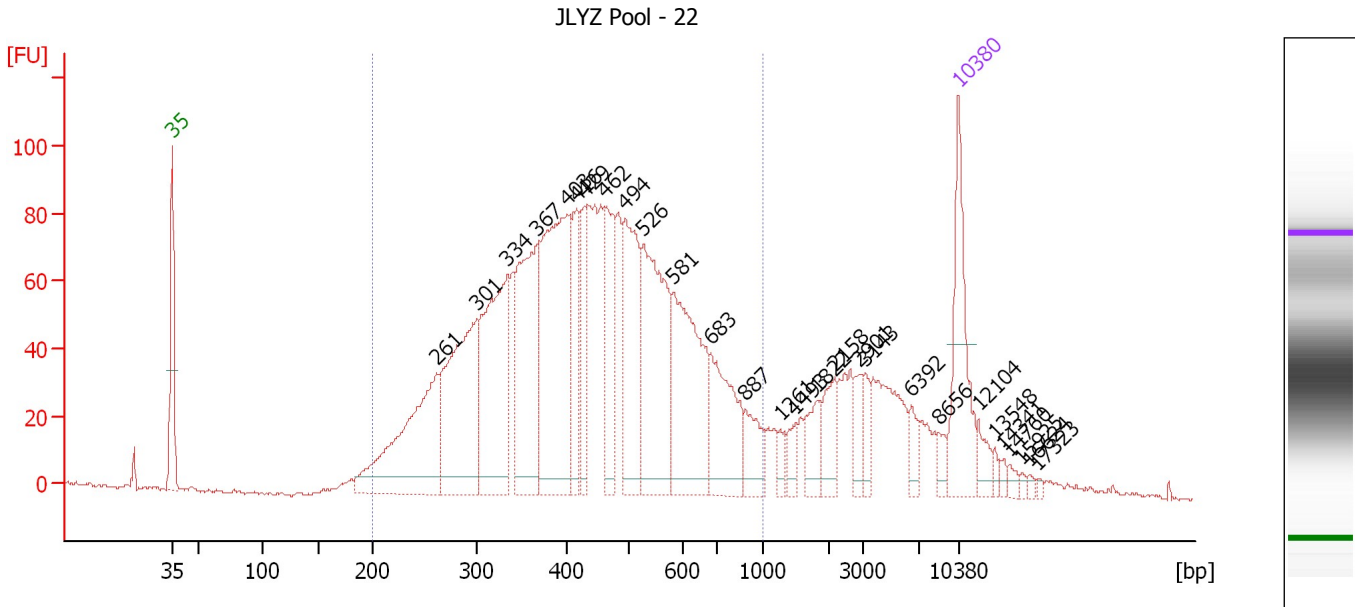
#### Region table for sample 1 : JLYZ Pool - 21

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	454	2,464.26	3,088.3	9,505.7	83	32.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
 Modified: 7/23/2018 10:18:04 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : JLYZ Pool - 22**

Number of peaks found: 28                      Corr. Area 1: 2,403.5  
 Noise: 0.6

**Peak table for sample 2 : JLYZ Pool - 22**

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	261	209.87	1,216.1		66.54
3	301	207.33	1,044.3		70.19
4	334	206.89	937.7		72.85
5	367	177.38	733.2		75.41
6	403	244.08	918.6		78.21
7	416	64.43	234.6		78.97
8	429	56.14	198.4		79.68
9	462	87.45	286.9		81.54
10	494	128.60	394.3		83.34
11	526	177.44	510.7		84.95
12	581	153.30	399.8		87.61
13	683	90.29	200.2		90.98
14	887	34.58	59.1		94.02
15	1,261	8.96	10.8		97.10
16	1,493	12.35	12.5		98.48
17	1,822	24.31	20.2		100.42
18	2,158	29.15	20.5		101.94
19	2,901	17.50	9.1		104.13
20	3,143	14.23	6.9		104.60
21	6,392	14.55	3.4		108.78
22	8,656	8.93	1.6		111.24
23	10,380	75.00	10.9	Upper Marker	113.00
24	12,104	0.00	0.0		114.76
25	13,548	0.00	0.0		116.23

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
 Modified: 7/23/2018 10:18:04 AM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 2 : JLYZ Pool - 22

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	14,341	0.00	0.0		117.03
27	14,760	0.00	0.0		117.46
28	15,925	0.00	0.0		118.65
29	16,624	0.00	0.0		119.36
30	17,323	0.00	0.0		120.07

#### Region table for sample 2 : JLYZ Pool - 22

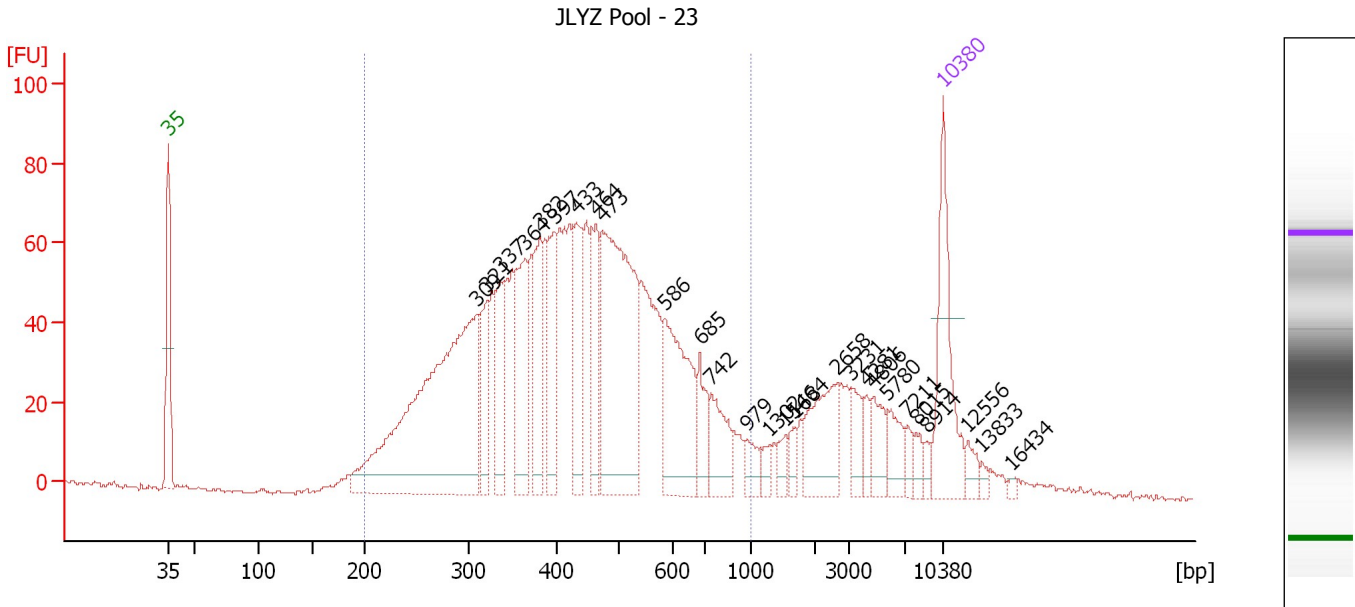
From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ $\mu$ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	450	2,035.45	2,403.5	7,936.9	82	33.1



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
 Modified: 7/23/2018 10:18:04 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : JLYZ Pool - 23**

Number of peaks found: 27                      Corr. Area 1: 1,884.4  
 Noise: 0.4

**Peak table for sample 3 : JLYZ Pool - 23**

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	309	438.76	2,151.1		70.85
3	321	55.16	260.7		71.76
4	337	62.88	282.7		73.06
5	364	88.14	366.6		75.23
6	382	75.47	299.5		76.63
7	397	68.30	260.6		77.83
8	433	72.44	253.6		79.90
9	464	69.82	228.1		81.64
10	473	254.73	815.7		82.17
11	586	119.16	308.1		87.85
12	685	32.55	72.0		91.03
13	742	42.96	87.7		92.04
14	979	16.98	26.3		95.27
15	1,302	8.72	10.2		97.34
16	1,546	10.29	10.1		98.79
17	1,684	9.76	8.8		99.61
18	2,658	55.16	31.4		103.41
19	3,231	20.16	9.5		104.71
20	4,281	10.87	3.8		106.06
21	4,806	24.08	7.6		106.74
22	5,780	21.15	5.5		107.99
23	7,211	9.04	1.9		109.77
24	8,015	8.87	1.7		110.59
25	8,914	6.07	1.0		111.51

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
 Modified: 7/23/2018 10:18:04 AM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 3 : JLYZ Pool - 23

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	10,380	75.00	10.9	Upper Marker	113.00
27	12,556	0.00	0.0		115.22
28	13,833	0.00	0.0		116.52
29	16,434	0.00	0.0		119.17

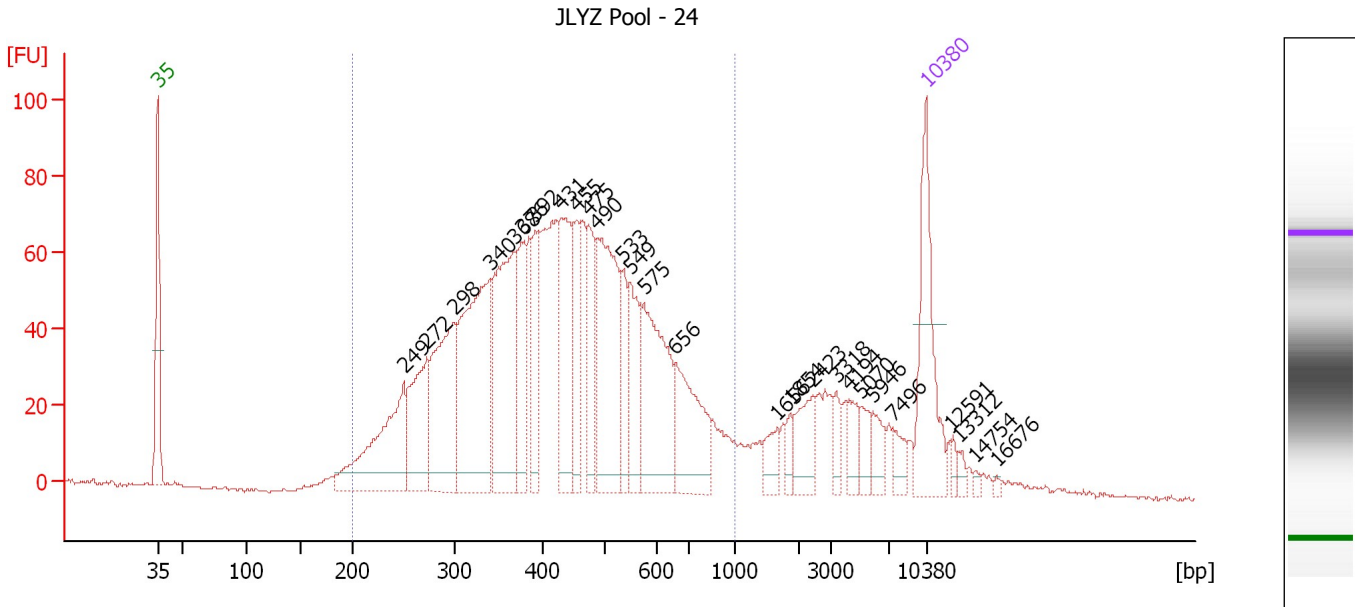
#### Region table for sample 3 : JLYZ Pool - 23

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	443	1,853.94	1,884.4	7,321.1	83	32.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
 Modified: 7/23/2018 10:18:04 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : JLYZ Pool - 24**

Number of peaks found: 27                      Corr. Area 1: 1,968.0  
 Noise: 0.6

**Peak table for sample 4 : JLYZ Pool - 24**

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	249	144.67	878.6		65.42
3	272	97.50	543.0		67.52
4	298	144.37	733.2		69.97
5	340	206.57	920.6		73.30
6	368	162.23	668.5		75.50
7	376	68.92	277.5		76.19
8	392	50.39	194.9		77.41
9	431	101.35	356.2		79.81
10	455	49.47	164.9		81.13
11	475	58.04	185.2		82.26
12	490	152.46	471.7		83.09
13	533	36.39	103.4		85.29
14	549	60.01	165.5		86.08
15	575	119.98	316.3		87.30
16	656	83.02	191.7		90.19
17	1,656	16.90	15.5		99.44
18	1,854	9.14	7.5		100.62
19	2,423	28.58	17.9		102.72
20	3,318	11.81	5.4		104.83
21	4,194	18.44	6.7		105.95
22	5,070	14.35	4.3		107.08
23	5,946	16.29	4.2		108.20
24	7,496	12.06	2.4		110.06
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
 Modified: 7/23/2018 10:18:04 AM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 4 : JLYZ Pool - 24

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	12,591	0.00	0.0		115.25
27	13,312	0.00	0.0		115.99
28	14,754	0.00	0.0		117.45
29	16,676	0.00	0.0		119.41

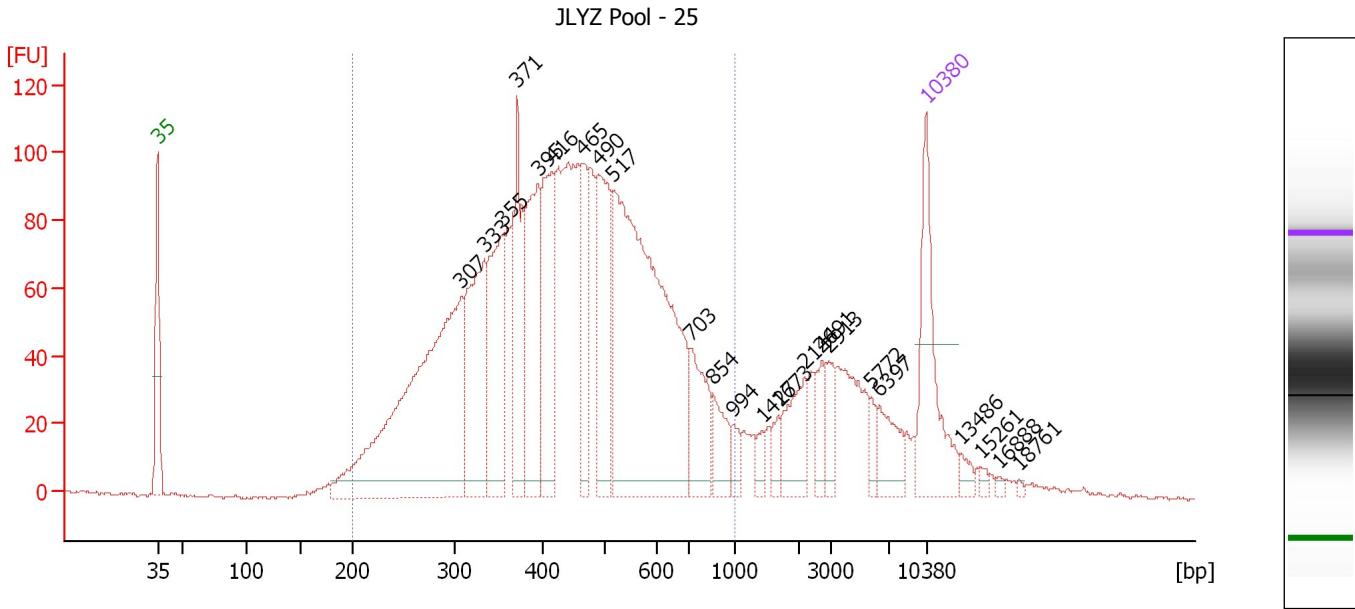
#### Region table for sample 4 : JLYZ Pool - 24

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	443	1,756.09	1,968.0	6,926.8	 84	32.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
 Modified: 7/23/2018 10:18:04 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : JLYZ Pool - 25**

Number of peaks found: 23                      Corr. Area 1: 2,717.4  
 Noise: 0.6

**Peak table for sample 5 : JLYZ Pool - 25**

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	307	411.66	2,033.0		70.67
3	333	143.55	653.7		72.73
4	355	120.24	513.4		74.48
5	371	92.76	378.5		75.79
6	395	124.59	478.3		77.65
7	416	115.92	422.4		78.95
8	465	62.27	202.8		81.72
9	490	116.49	360.0		83.12
10	517	411.43	1,206.6		84.48
11	703	56.32	121.4		91.51
12	854	29.66	52.6		93.57
13	994	11.96	18.2		95.47
14	1,427	9.04	9.6		98.09
15	1,673	10.25	9.3		99.54
16	2,144	39.25	27.7		101.90
17	2,691	19.29	10.9		103.51
18	2,913	18.63	9.7		104.16
19	5,772	9.51	2.5		107.98
20	6,397	28.49	6.7		108.78
21	10,380	75.00	10.9	Upper Marker	113.00
22	13,486	0.00	0.0		116.16
23	15,261	0.00	0.0		117.97
24	16,888	0.00	0.0		119.63
25	18,761	0.00	0.0		121.54

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
Modified: 7/23/2018 10:18:04 AM

**Electropherogram Summary Continued ...**

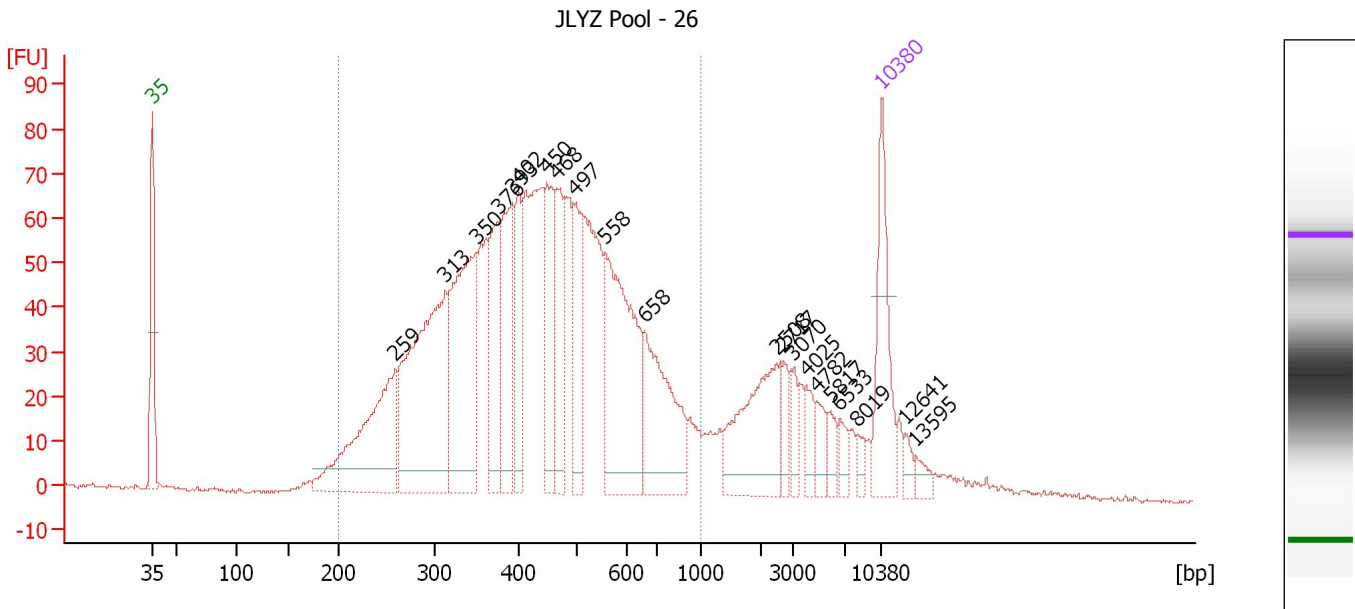
... Region table for sample 5 : JLYZ Pool - 25

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	453	2,009.84	2,717.4	7,763.7	 84	32.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
 Modified: 7/23/2018 10:18:04 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : JLYZ Pool - 26**

Number of peaks found: 21                      Corr. Area 1: 1,928.9  
 Noise: 0.4

**Peak table for sample 6 : JLYZ Pool - 26**


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	259	209.62	1,227.6		66.28
3	313	303.78	1,471.5		71.14
4	350	218.82	948.6		74.06
5	376	100.38	404.6		76.16
6	393	111.82	430.7		77.54
7	402	62.43	235.6		78.15
8	450	91.18	307.1		80.87
9	468	84.18	272.4		81.89
10	497	77.77	237.3		83.48
11	558	202.92	550.9		86.49
12	658	124.48	286.8		90.23
13	2,508	96.41	58.2		102.97
14	2,717	20.07	11.2		103.58
15	3,070	16.54	8.2		104.51
16	4,025	19.58	7.4		105.73
17	4,782	17.67	5.6		106.71
18	5,817	13.60	3.5		108.04
19	6,533	13.38	3.1		108.96
20	8,019	9.30	1.8		110.60
21	10,380	75.00	10.9	Upper Marker	113.00
22	12,641	0.00	0.0		115.30
23	13,595	0.00	0.0		116.27

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
Modified: 7/23/2018 10:18:04 AM

**Electropherogram Summary Continued ...**

... Region table for sample 6 : JLYZ Pool - 26

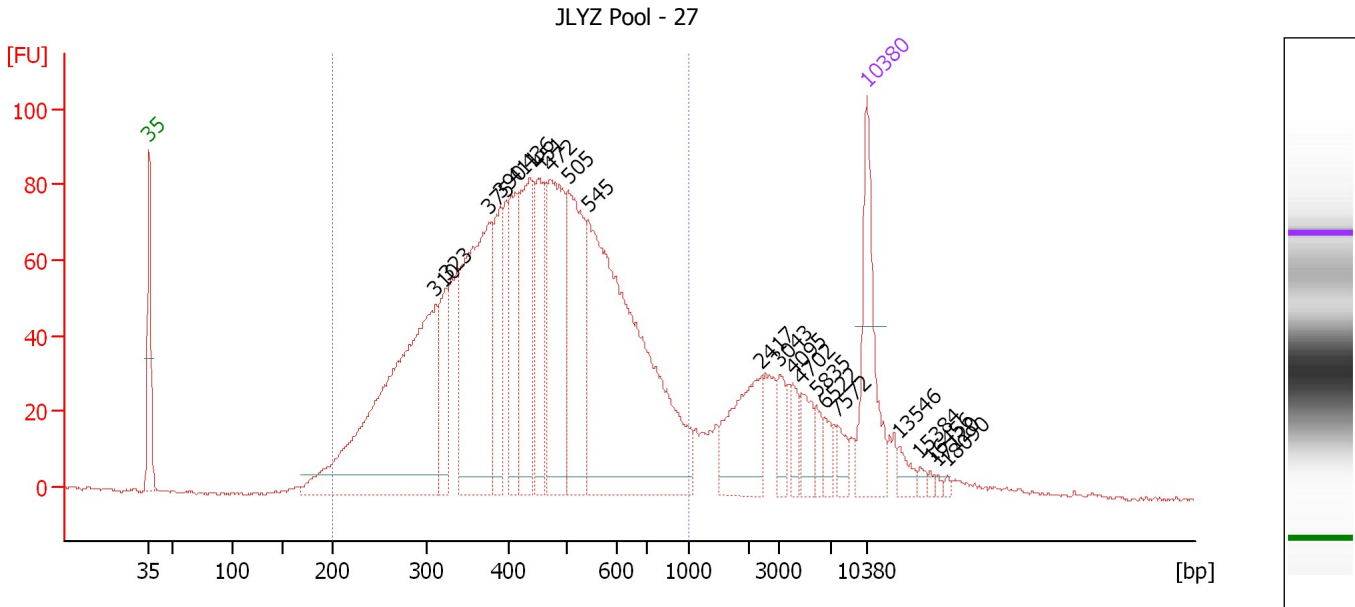
From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ $\mu$ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	448	2,148.35	1,928.9	8,411.2	 82	32.9



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
 Modified: 7/23/2018 10:18:04 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : JLYZ Pool - 27**

Number of peaks found: 22                      Corr. Area 1: 2,281.2  
 Noise: 0.4

**Peak table for sample 7 : JLYZ Pool - 27**

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	310	422.36	2,063.9		70.93
3	323	68.47	321.0		71.97
4	375	249.34	1,007.7		76.08
5	390	83.17	323.1		77.27
6	411	81.24	299.6		78.68
7	436	128.32	446.0		80.08
8	451	73.56	247.3		80.91
9	472	160.41	514.8		82.11
10	505	154.34	462.8		83.93
11	545	430.30	1,196.5		85.85
12	2,417	67.85	42.5		102.70
13	3,043	17.69	8.8		104.47
14	4,095	15.21	5.6		105.82
15	4,702	21.02	6.8		106.60
16	5,835	11.24	2.9		108.06
17	6,522	9.95	2.3		108.94
18	7,572	11.87	2.4		110.14
19	10,380	75.00	10.9	Upper Marker	113.00
20	13,546	0.00	0.0		116.22
21	15,384	0.00	0.0		118.10
22	16,456	0.00	0.0		119.19
23	17,120	0.00	0.0		119.86
24	18,090	0.00	0.0		120.85

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
Modified: 7/23/2018 10:18:04 AM

**Electropherogram Summary Continued ...**

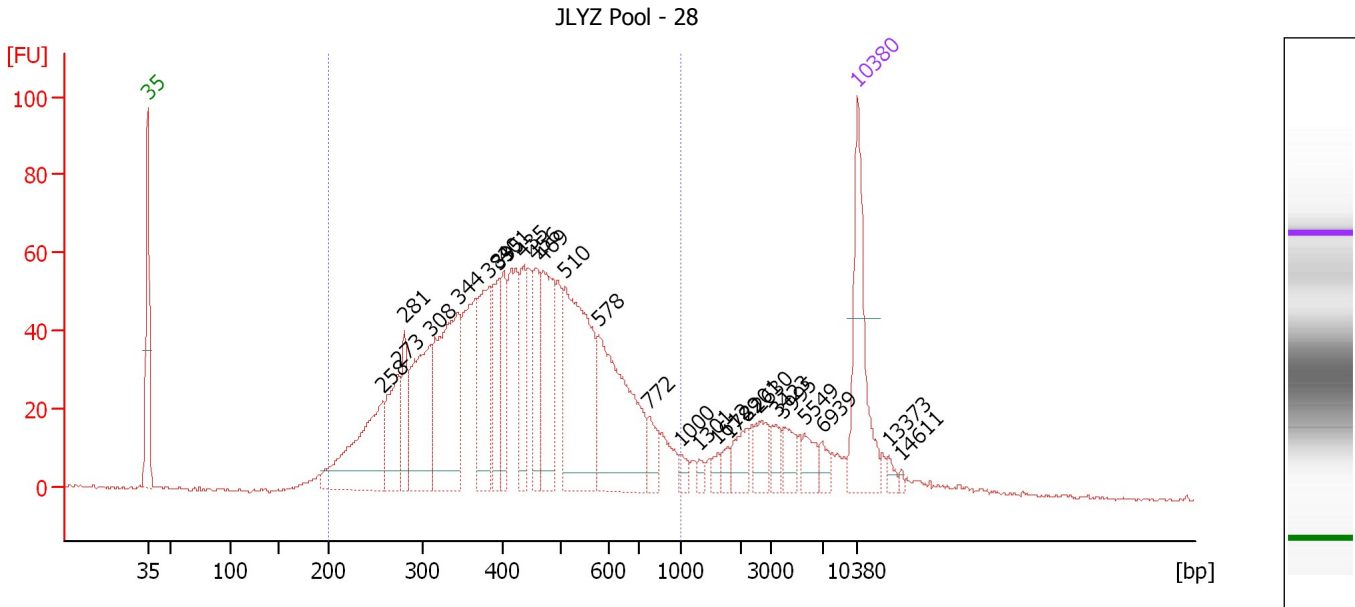
... Region table for sample 7 : JLYZ Pool - 27

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	456	1,986.43	2,281.2	7,648.9	 83	32.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
 Modified: 7/23/2018 10:18:04 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : JLYZ Pool - 28**

Number of peaks found: 26                      Corr. Area 1: 1,574.1  
 Noise: 0.3

**Peak table for sample 8 : JLYZ Pool - 28**

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	258	132.01	776.5		66.18
3	273	67.60	374.6		67.65
4	281	42.79	231.0		68.33
5	308	116.18	570.6		70.80
6	344	166.36	733.7		73.59
7	383	88.19	349.3		76.69
8	395	51.87	199.2		77.63
9	401	45.57	172.3		78.11
10	435	56.56	196.8		80.05
11	456	51.99	172.8		81.21
12	469	96.96	313.1		81.94
13	510	171.96	511.0		84.15
14	578	146.93	385.2		87.46
15	772	19.74	38.7		92.45
16	1,000	7.29	11.0		95.55
17	1,301	5.20	6.1		97.34
18	1,612	5.84	5.5		99.18
19	1,789	7.50	6.3		100.23
20	2,201	17.12	11.8		102.07
21	2,630	18.26	10.5		103.33
22	3,423	10.73	4.8		104.96
23	3,995	14.46	5.5		105.70
24	5,549	14.69	4.0		107.69
25	6,939	8.55	1.9		109.48

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
 Modified: 7/23/2018 10:18:04 AM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 8 : JLYZ Pool - 28

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	10,380	75.00	10.9	Upper Marker	113.00
27	13,373	0.00	0.0		116.05
28	14,611	0.00	0.0		117.31

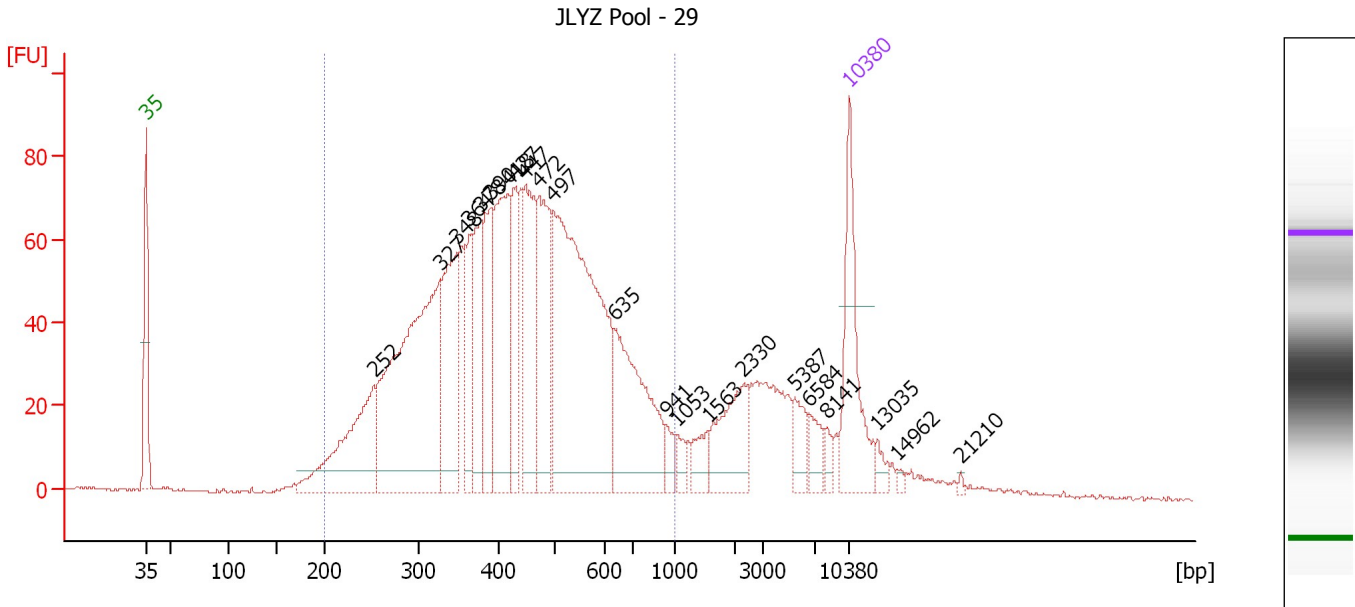
#### Region table for sample 8 : JLYZ Pool - 28

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	442	1,516.79	1,574.1	5,988.7	87	32.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
 Modified: 7/23/2018 10:18:04 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : JLYZ Pool - 29**

Number of peaks found: 22                      Corr. Area 1: 2,004.4  
 Noise: 0.4

**Peak table for sample 9 : JLYZ Pool - 29**

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	252	153.37	922.6		65.64
3	327	345.06	1,598.8		72.27
4	348	124.73	543.5		73.92
5	364	54.25	226.0		75.19
6	378	76.32	305.6		76.36
7	390	82.64	320.7		77.31
8	418	136.47	495.0		79.06
9	427	72.20	256.1		79.59
10	447	109.82	372.2		80.70
11	472	112.64	361.8		82.08
12	497	369.24	1,125.1		83.52
13	635	135.40	323.1		89.56
14	941	12.00	19.3		94.76
15	1,053	10.63	15.3		95.87
16	1,563	17.80	17.3		98.89
17	2,330	53.67	34.9		102.45
18	5,387	20.42	5.7		107.48
19	6,584	15.99	3.7		109.02
20	8,141	8.34	1.6		110.72
21	10,380	75.00	10.9	Upper Marker	113.00
22	13,035	0.00	0.0		115.70
23	14,962	0.00	0.0		117.67
24	21,210	0.00	0.0		124.03

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
Modified: 7/23/2018 10:18:04 AM

**Electropherogram Summary Continued ...**

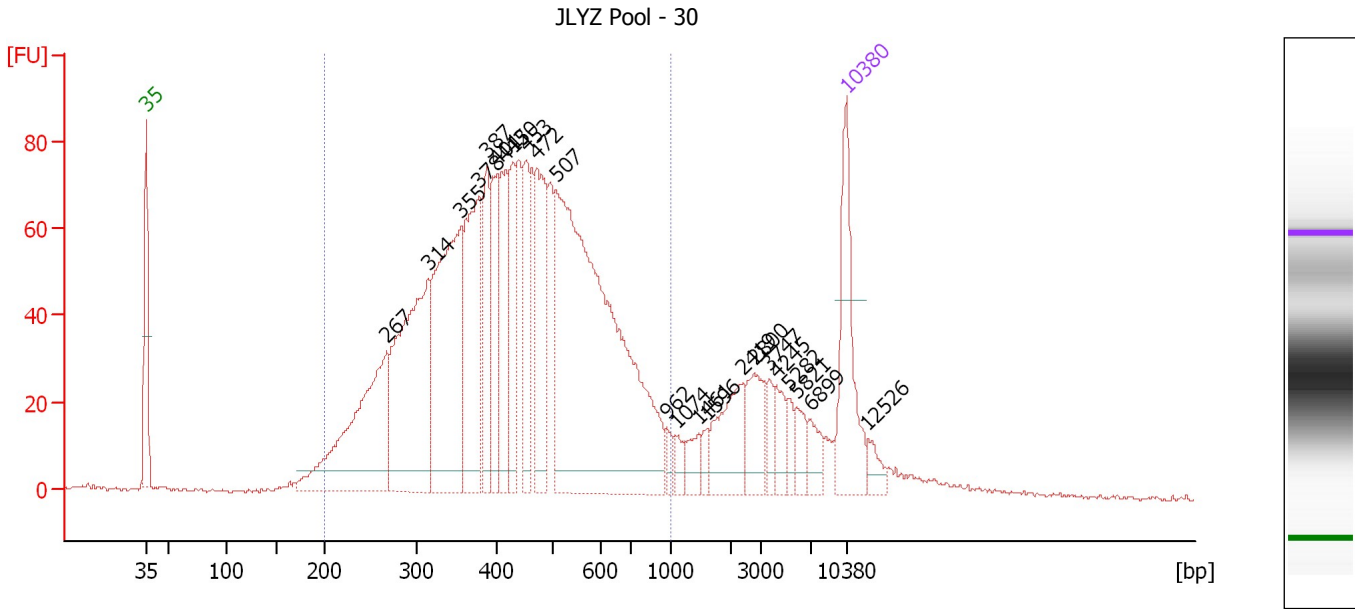
... Region table for sample 9 : JLYZ Pool - 29

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	448	1,900.13	2,004.4	7,427.5	 83	32.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
 Modified: 7/23/2018 10:18:04 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : JLYZ Pool - 30**

Number of peaks found: 23                      Corr. Area 1: 2,062.9  
 Noise: 0.5

**Peak table for sample 10 : JLYZ Pool - 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	267	217.70	1,233.2		67.10
3	314	252.64	1,218.3		71.26
4	355	242.69	1,035.3		74.51
5	378	149.78	600.4		76.32
6	387	76.16	297.9		77.07
7	401	75.38	284.7		78.13
8	415	80.19	292.5		78.93
9	430	66.81	235.6		79.73
10	453	65.84	220.4		81.01
11	472	103.07	331.1		82.08
12	507	529.45	1,583.0		84.00
13	962	8.97	14.1		95.03
14	1,074	9.39	13.2		95.99
15	1,461	14.54	15.1		98.29
16	1,596	8.66	8.2		99.09
17	2,419	50.89	31.9		102.71
18	2,800	35.62	19.3		103.83
19	3,747	11.99	4.8		105.38
20	4,245	18.56	6.6		106.02
21	5,282	10.66	3.1		107.35
22	5,821	15.44	4.0		108.04
23	6,899	16.42	3.6		109.43
24	10,380	75.00	10.9	Upper Marker	113.00
25	12,526	0.00	0.0		115.19

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
Modified: 7/23/2018 10:18:04 AM

**Electropherogram Summary Continued ...**

... Region table for sample 10 : JLYZ Pool - 30

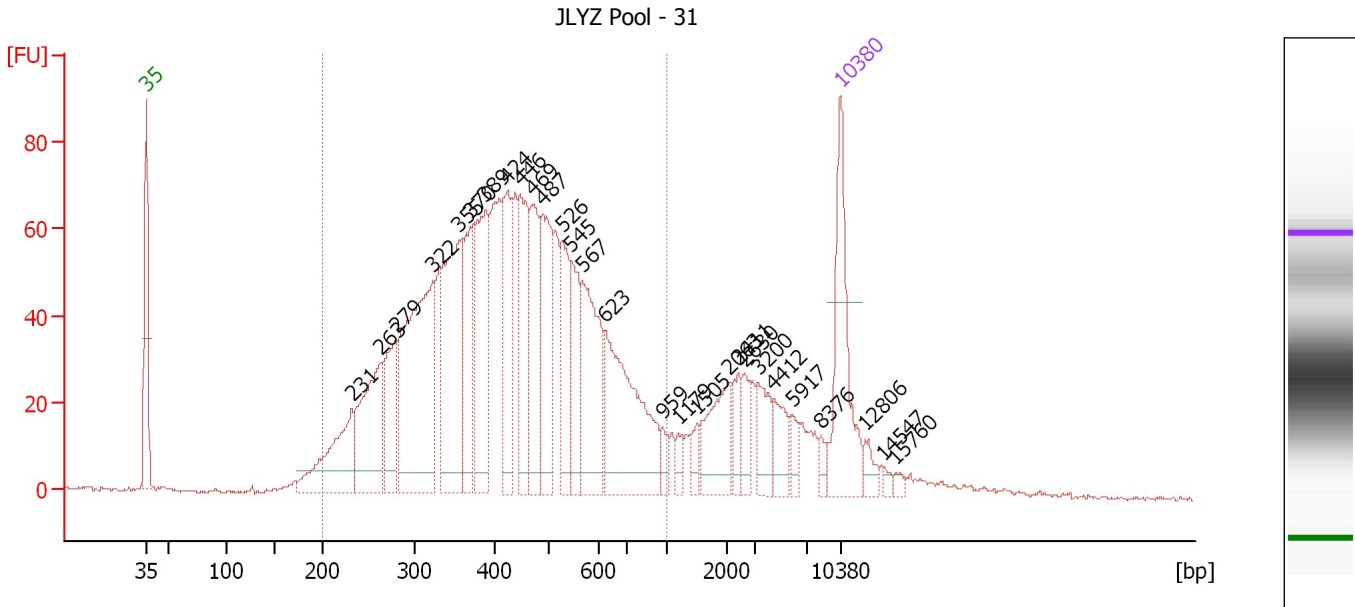
From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ $\mu$ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	448	1,988.12	2,062.9	7,758.9	 85	32.4



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
 Modified: 7/23/2018 10:18:04 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : JLYZ Pool - 31**

Number of peaks found: 28                      Corr. Area 1: 1,908.6  
 Noise: 0.3

**Peak table for sample 11 : JLYZ Pool - 31**

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	231	95.36	624.4		63.74
3	263	116.51	670.9		66.69
4	279	69.68	378.0		68.20
5	322	226.16	1,065.2		71.85
6	355	159.55	680.0		74.53
7	370	77.58	317.4		75.72
8	389	120.26	468.0		77.22
9	424	77.27	276.0		79.42
10	446	87.13	295.8		80.66
11	469	79.32	256.1		81.95
12	487	90.19	280.9		82.92
13	526	60.86	175.1		84.96
14	545	53.88	149.7		85.87
15	567	95.99	256.4		86.94
16	623	137.86	335.5		89.20
17	959	10.36	16.4		95.00
18	1,179	7.98	10.3		96.61
19	1,505	10.85	10.9		98.55
20	2,063	45.41	33.3		101.66
21	2,411	17.29	10.9		102.69
22	2,630	16.45	9.5		103.33
23	3,200	24.71	11.7		104.67
24	4,412	22.13	7.6		106.23
25	5,917	10.53	2.7		108.17

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
 Modified: 7/23/2018 10:18:04 AM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 11 : JLYZ Pool - 31

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	8,376	6.82	1.2		110.96
27	10,380	75.00	10.9	Upper Marker	113.00
28	12,806	0.00	0.0		115.47
29	14,547	0.00	0.0		117.24
30	15,760	0.00	0.0		118.48

#### Region table for sample 11 : JLYZ Pool - 31

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	442	1,807.81	1,908.6	7,167.0	83	33.1

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-23\2018-07-23\_001.xad

Created: 7/23/2018 9:36:44 AM  
Modified: 7/23/2018 10:18:04 AM

**Gel Image**

