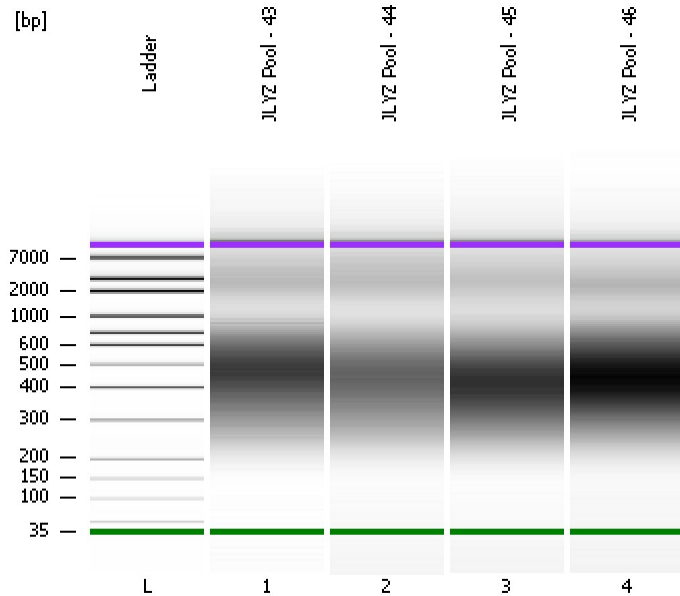


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... expert\data\2018-07-23\2018-07-23_002_JLZY_Pools_43-46.xad

Created: 7/23/2018 3:17:03 PM
Modified: 7/24/2018 2:37:53 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

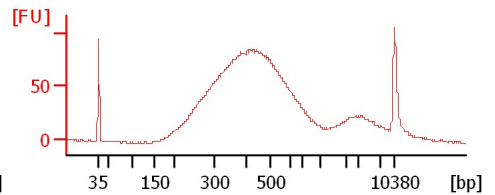
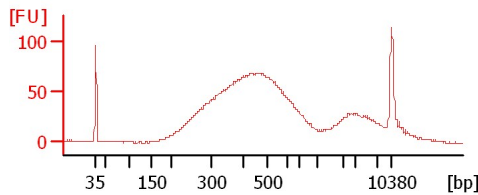
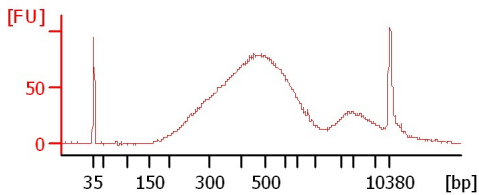
Chip Information:

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

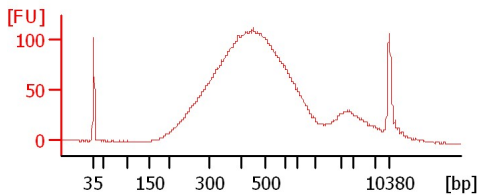
JLYZ Pool - 43

JLYZ Pool - 44

JLYZ Pool - 45



JLYZ Pool - 46



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... expert\data\2018-07-23\2018-07-23_002_JLZY_Pools_43-46.xad

Created: 7/23/2018 3:17:03 PM
 Modified: 7/24/2018 2:37:53 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
JLYZ Pool - 43		<input type="checkbox"/>	✓			
JLYZ Pool - 44		<input type="checkbox"/>	✓			
JLYZ Pool - 45		<input type="checkbox"/>	✓			
JLYZ Pool - 46		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... expert\data\2018-07-23\2018-07-23_002_JLZY_Pools_43-46.xad

Created: 7/23/2018 3:17:03 PM
Modified: 7/24/2018 2:37:53 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

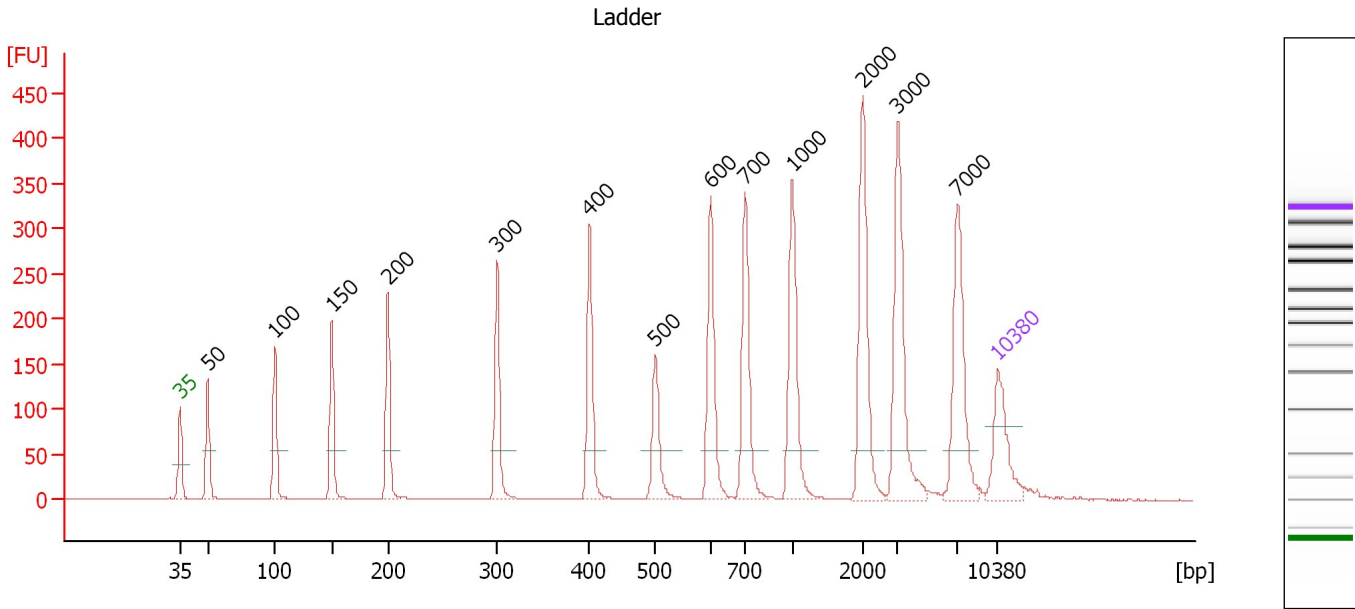
Ladder

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:\... expert\data\2018-07-23\2018-07-23_002_JLZY_Pools_43-46.xad

Created: 7/23/2018 3:17:03 PM
 Modified: 7/24/2018 2:37:53 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

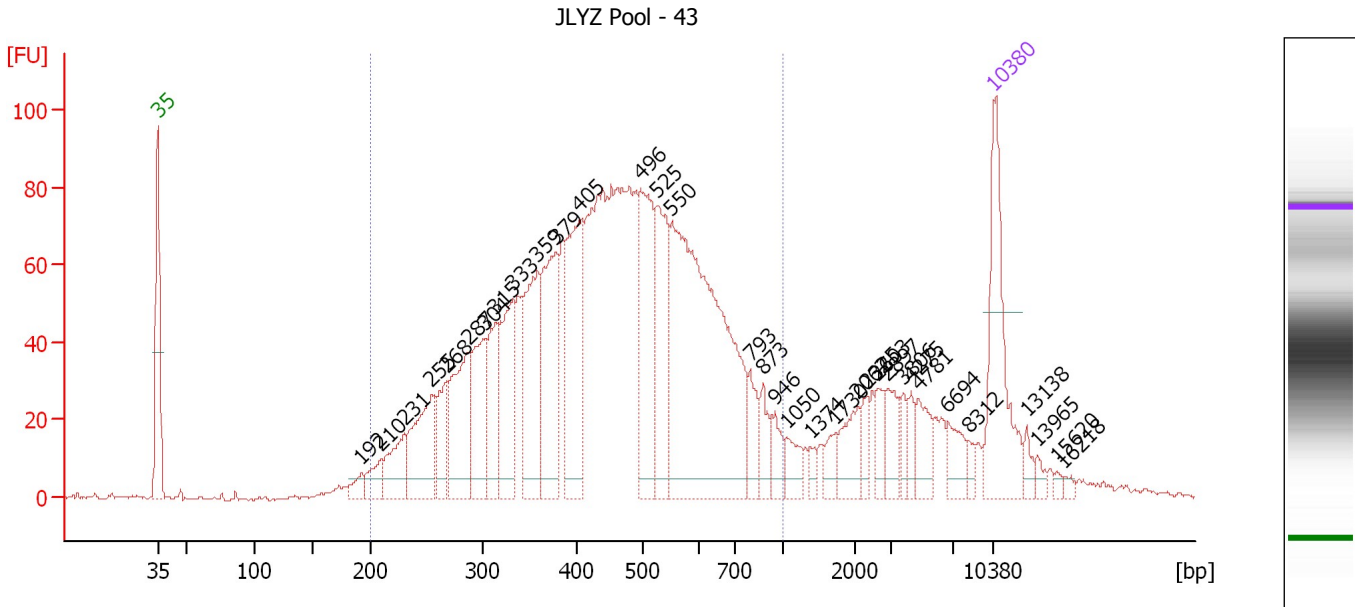
Peak table for Ladder

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	45.37
3	100	150.00	2,272.7	Ladder Peak	51.12
4	150	150.00	1,515.2	Ladder Peak	56.01
5	200	150.00	1,136.4	Ladder Peak	60.80
6	300	150.00	757.6	Ladder Peak	70.15
7	400	150.00	568.2	Ladder Peak	78.05
8	500	150.00	454.5	Ladder Peak	83.66
9	600	150.00	378.8	Ladder Peak	88.40
10	700	150.00	324.7	Ladder Peak	91.37
11	1,000	150.00	227.3	Ladder Peak	95.39
12	2,000	150.00	113.6	Ladder Peak	101.41
13	3,000	150.00	75.8	Ladder Peak	104.42
14	7,000	150.00	32.5	Ladder Peak	109.58
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... expert\data\2018-07-23\2018-07-23_002_JLZY_Pools_43-46.xad

Created: 7/23/2018 3:17:03 PM
 Modified: 7/24/2018 2:37:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : JLYZ Pool - 43

Number of peaks found: 34 Corr. Area 1: 2,189.8
 Noise: 0.5

Peak table for sample 1 : JLYZ Pool - 43

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	192	11.78	92.9		60.03
3	210	19.97	144.2		61.71
4	231	41.56	272.4		63.71
5	255	78.65	467.3		65.95
6	268	36.60	206.5		67.20
7	287	89.96	474.3		68.97
8	304	69.44	346.2		70.46
9	315	50.43	243.0		71.30
10	333	78.44	357.1		72.74
11	359	100.26	423.4		74.79
12	379	105.81	423.2		76.37
13	405	107.04	400.5		78.33
14	496	108.10	330.1		83.45
15	525	84.93	245.1		84.84
16	550	323.07	889.3		86.05
17	793	24.46	46.7		92.61
18	873	19.44	33.7		93.68
19	946	15.07	24.1		94.66
20	1,050	15.86	22.9		95.69
21	1,374	6.18	6.8		97.64
22	1,730	11.56	10.1		99.78
23	2,062	23.39	17.2		101.60
24	2,325	10.70	7.0		102.39
25	2,603	12.49	7.3		103.23

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... expert\data\2018-07-23\2018-07-23_002_JLZY_Pools_43-46.xad

Created: 7/23/2018 3:17:03 PM
 Modified: 7/24/2018 2:37:53 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : JLYZ Pool - 43

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,897	19.61	10.3		104.11
27	3,806	9.26	3.7		105.46
28	4,275	9.88	3.5		106.07
29	4,781	20.88	6.6		106.72
30	6,694	16.36	3.7		109.18
31	8,312	4.91	0.9		110.91
32	10,380	75.00	10.9	Upper Marker	113.00
33	13,138	0.00	0.0		115.79
34	13,965	0.00	0.0		116.63
35	15,620	0.00	0.0		118.31
36	16,218	0.00	0.0		118.91

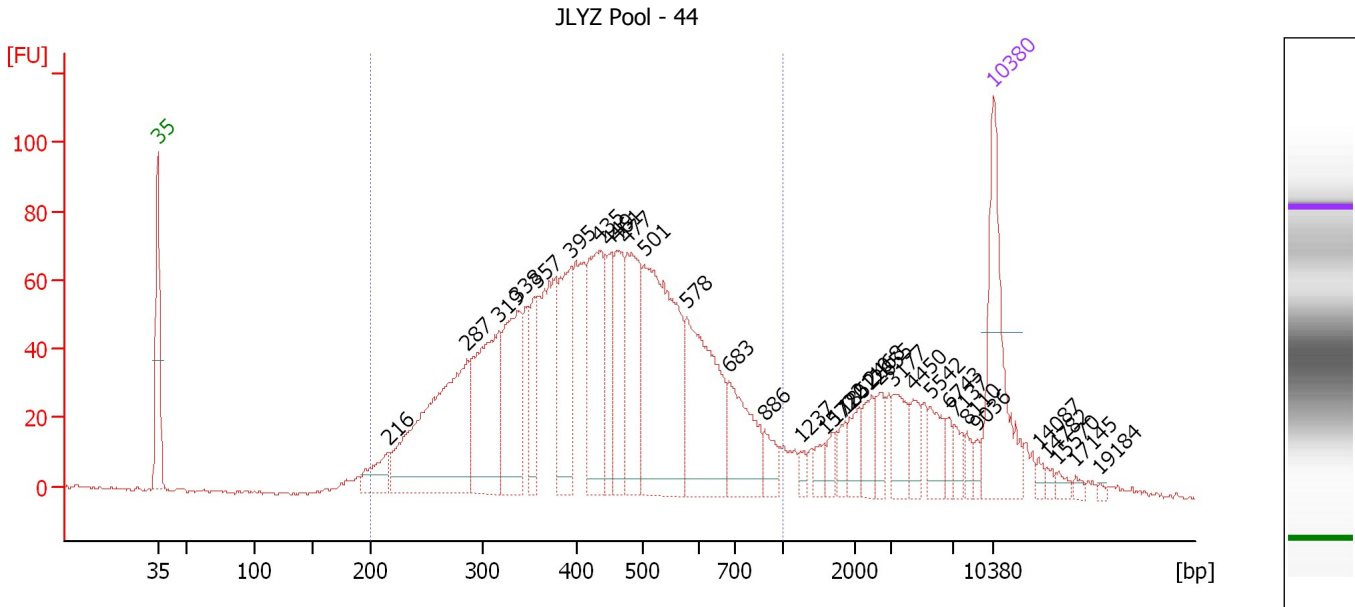
Region table for sample 1 : JLYZ Pool - 43

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	463	1,794.32	2,189.8	6,825.7	84	32.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... expert\data\2018-07-23\2018-07-23_002_JLZY_Pools_43-46.xad

Created: 7/23/2018 3:17:03 PM
 Modified: 7/24/2018 2:37:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : JLYZ Pool - 44

Number of peaks found: 33 Corr. Area 1: 1,978.2
 Noise: 0.5

Peak table for sample 2 : JLYZ Pool - 44

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	216	29.52	206.7		62.33
3	287	209.99	1,110.1		68.90
4	319	128.08	609.1		71.62
5	338	94.45	423.9		73.12
6	357	36.03	152.8		74.67
7	395	75.54	290.0		77.62
8	435	100.16	348.7		80.02
9	449	39.23	132.5		80.77
10	461	63.42	208.4		81.47
11	477	87.62	278.4		82.36
12	501	190.21	574.8		83.72
13	578	119.11	312.5		87.34
14	683	60.74	134.8		90.86
15	886	14.14	24.2		93.86
16	1,237	5.64	6.9		96.81
17	1,572	8.10	7.8		98.83
18	1,720	8.35	7.4		99.72
19	1,852	9.08	7.4		100.52
20	2,110	15.69	11.3		101.74
21	2,468	16.10	9.9		102.82
22	2,655	13.40	7.6		103.38
23	3,177	22.82	10.9		104.65
24	4,450	12.94	4.4		106.29
25	5,542	17.98	4.9		107.70

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... expert\data\2018-07-23\2018-07-23_002_JLZY_Pools_43-46.xad

Created: 7/23/2018 3:17:03 PM
 Modified: 7/24/2018 2:37:53 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : JLYZ Pool - 44

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	6,743	7.64	1.7		109.25
27	7,137	9.13	1.9		109.72
28	8,110	6.61	1.2		110.70
29	9,036	5.33	0.9		111.64
30	10,380	75.00	10.9	Upper Marker	113.00
31	14,087	0.00	0.0		116.75
32	14,782	0.00	0.0		117.46
33	15,570	0.00	0.0		118.25
34	17,145	0.00	0.0		119.85
35	19,184	0.00	0.0		121.91

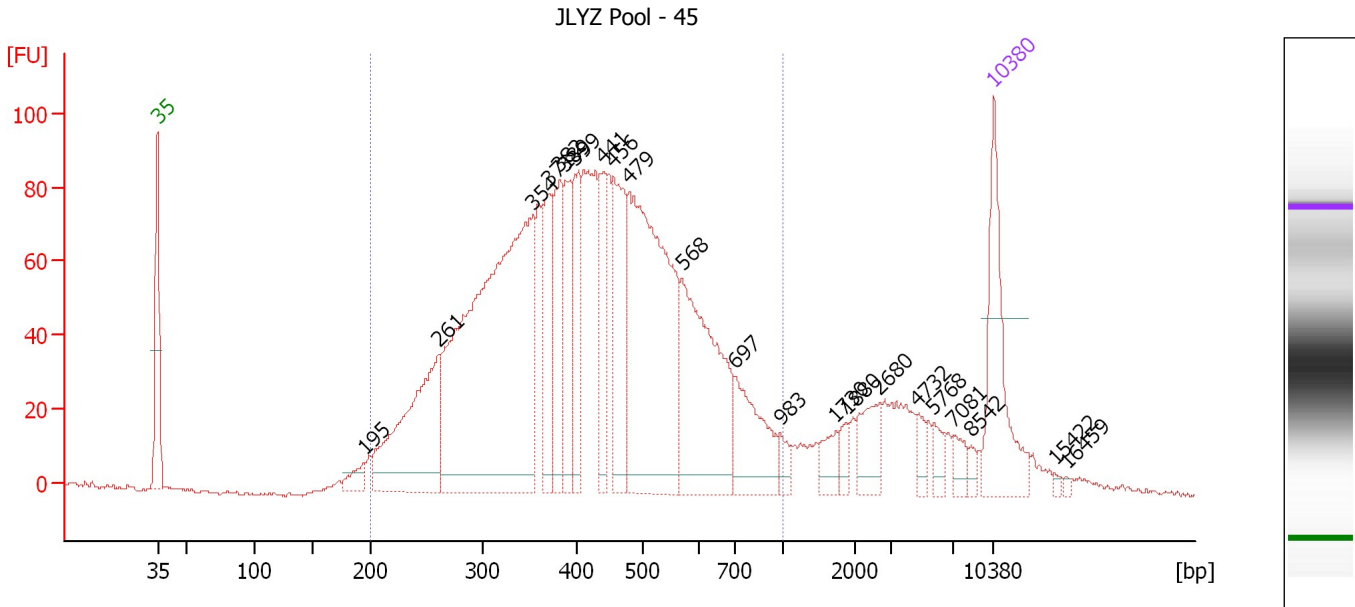
Region table for sample 2 : JLYZ Pool - 44

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	448	1,463.43	1,978.2	5,730.2	82	32.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... expert\data\2018-07-23\2018-07-23_002_JLZY_Pools_43-46.xad

Created: 7/23/2018 3:17:03 PM
 Modified: 7/24/2018 2:37:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : JLYZ Pool - 45

Number of peaks found: 22 Corr. Area 1: 2,390.5
 Noise: 0.5


Peak table for sample 3 : JLYZ Pool - 45

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	195	17.21	134.0		60.27
3	261	185.87	1,078.0		66.52
4	354	506.82	2,170.5		74.40
5	371	71.35	291.6		75.73
6	382	80.52	319.2		76.64
7	389	63.67	248.1		77.16
8	399	67.51	256.7		77.93
9	441	53.63	184.1		80.36
10	456	98.15	326.3		81.17
11	479	300.47	951.1		82.46
12	568	175.83	468.8		86.90
13	697	72.01	156.5		91.29
14	983	9.94	15.3		95.15
15	1,730	15.92	13.9		99.78
16	1,880	9.59	7.7		100.69
17	2,680	28.73	16.2		103.46
18	4,732	9.70	3.1		106.65
19	5,768	10.24	2.7		107.99
20	7,081	10.81	2.3		109.66
21	8,542	4.97	0.9		111.14
22	10,380	75.00	10.9	Upper Marker	113.00
23	15,422	0.00	0.0		118.11
24	16,459	0.00	0.0		119.16

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... expert\data\2018-07-23\2018-07-23_002_JLZY_Pools_43-46.xad

Created: 7/23/2018 3:17:03 PM
Modified: 7/24/2018 2:37:53 PM

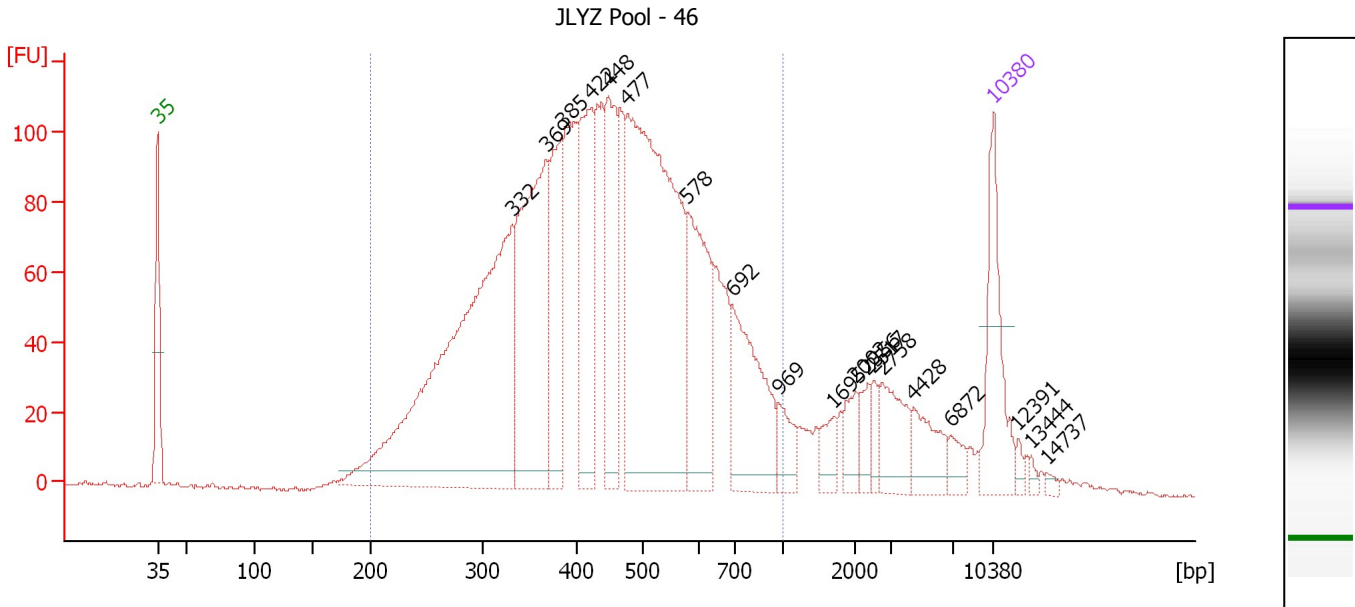
Electropherogram Summary Continued ...**... Region table for sample 3 : JLYZ Pool - 45**

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	437	1,929.69	2,390.5	7,686.6	 87	32.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... expert\data\2018-07-23\2018-07-23_002_JLZY_Pools_43-46.xad

Created: 7/23/2018 3:17:03 PM
 Modified: 7/24/2018 2:37:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : JLYZ Pool - 46

Number of peaks found: 19 Corr. Area 1: 2,996.1
 Noise: 0.5

Peak table for sample 4 : JLYZ Pool - 46

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	332	618.30	2,817.6		72.72
3	369	295.52	1,214.4		75.58
4	385	124.77	490.6		76.89
5	422	159.02	571.4		79.26
6	448	131.28	443.6		80.76
7	477	512.72	1,628.9		82.36
8	578	148.42	389.1		87.36
9	692	130.71	286.1		91.14
10	969	29.28	45.8		94.97
11	1,695	18.76	16.8		99.57
12	2,002	23.75	18.0		101.41
13	2,356	16.17	10.4		102.48
14	2,517	12.26	7.4		102.97
15	2,758	44.18	24.3		103.69
16	4,428	37.74	12.9		106.26
17	6,872	14.86	3.3		109.41
18	10,380	75.00	10.9	Upper Marker	113.00
19	12,391	0.00	0.0		115.04
20	13,444	0.00	0.0		116.10
21	14,737	0.00	0.0		117.41

Region table for sample 4 : JLYZ Pool - 46

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	457	2,588.02	2,996.1	9,902.9	87	32.5

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... expert\data\2018-07-23\2018-07-23_002_JLZY_Pools_43-46.xad

Created: 7/23/2018 3:17:03 PM
Modified: 7/24/2018 2:37:53 PM

Gel Image

