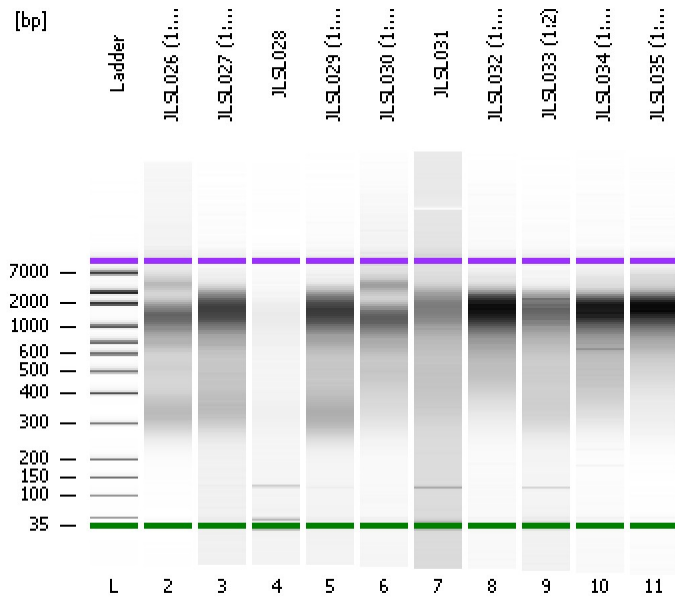


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...0 expert\data\2016-10-20\2016-10-20\_002\_JLSL026-JLSL035.xad

Created: 10/20/2016 11:55:19 AM  
Modified: 10/20/2016 1:39:05 PM

**Electrophoresis File Run Summary**



Instrument Information:

Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

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

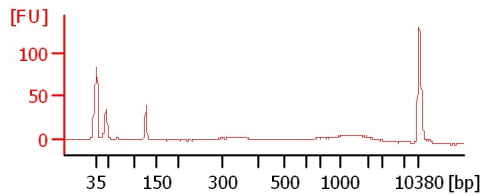
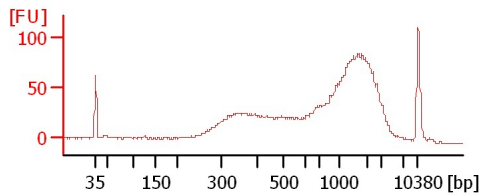
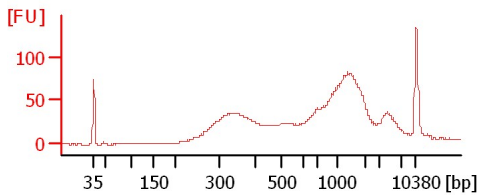
Chip Information:

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

**JLSL026 (1:38)**

**JLSL027 (1:15)**

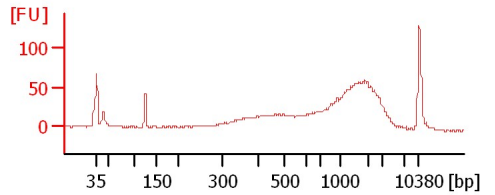
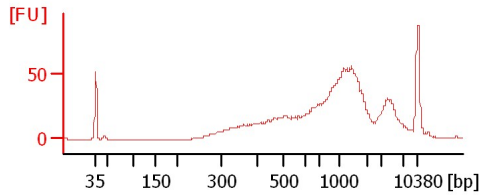
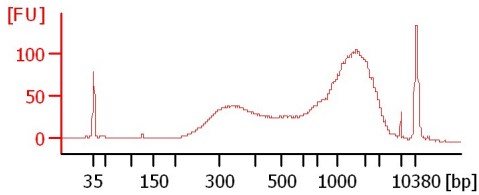
**JLSL028**



**JLSL029 (1:15)**

**JLSL030 (1:47)**

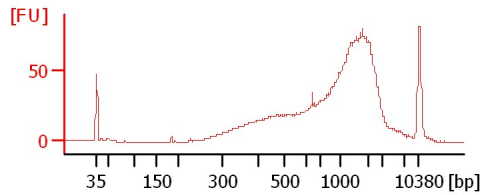
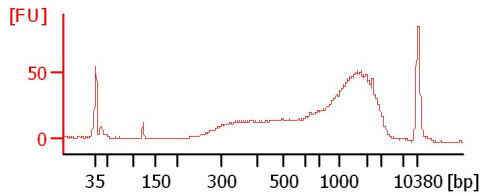
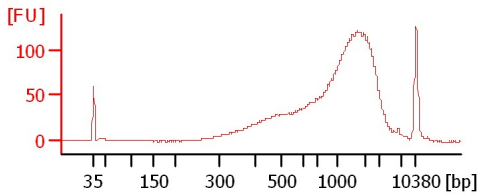
**JLSL031**



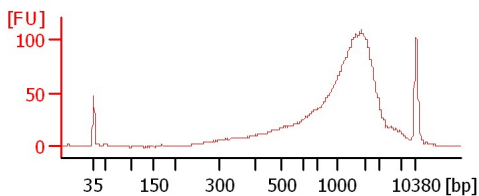
**JLSL032 (1:32)**

**JLSL033 (1:2)**

**JLSL034 (1:42)**



**JLSL035 (1:35)**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 expert\data\2016-10-20\2016-10-20\_002\_JLSL026-JLSL035.xad

Created: 10/20/2016 11:55:19 AM  
 Modified: 10/20/2016 1:39:05 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
JLSL026 (1:38)		<input type="checkbox"/>	✓			
JLSL027 (1:15)		<input type="checkbox"/>	✓			
JLSL028		<input type="checkbox"/>	✓			
JLSL029 (1:15)		<input type="checkbox"/>	✓			
JLSL030 (1:47)		<input type="checkbox"/>	✓			
JLSL031		<input type="checkbox"/>	✓			
JLSL032 (1:32)		<input type="checkbox"/>	✓			
JLSL033 (1:2)		<input type="checkbox"/>	✓			
JLSL034 (1:42)		<input type="checkbox"/>	✓			
JLSL035 (1:35)		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...0 expert\data\2016-10-20\2016-10-20\_002\_JLSL026-JLSL035.xad

Created: 10/20/2016 11:55:19 AM  
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**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

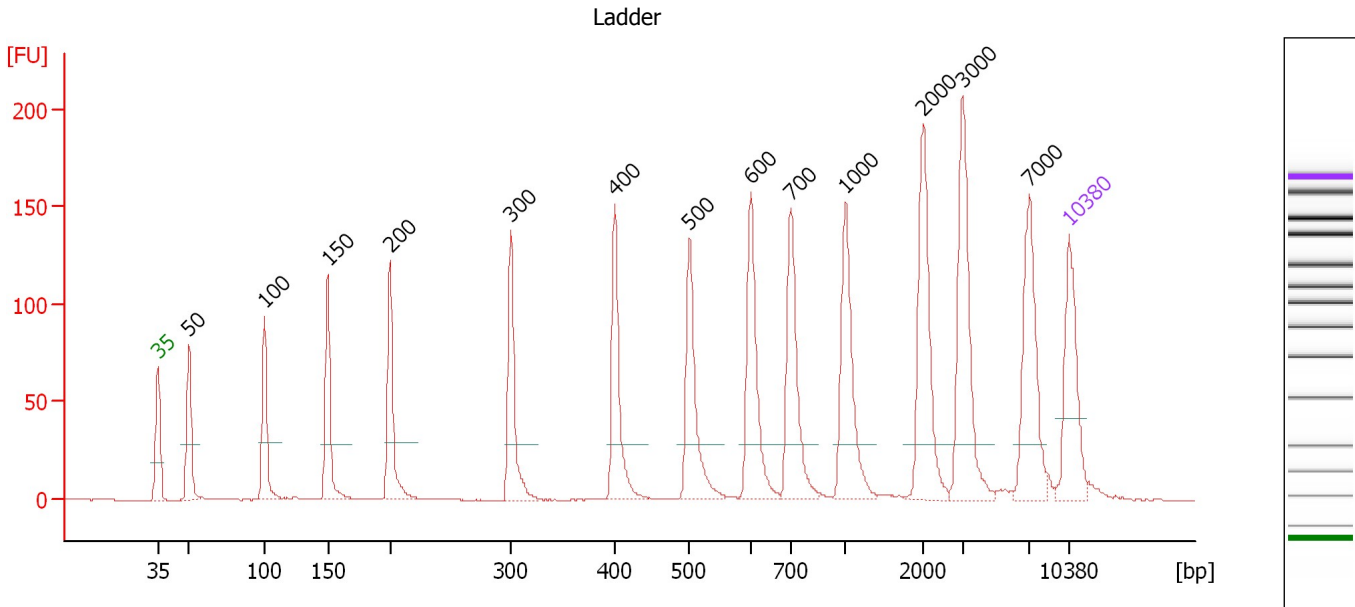
**Ladder**

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:\...0 expert\data\2016-10-20\2016-10-20\_002\_JLSL026-JLSL035.xad

Created: 10/20/2016 11:55:19 AM  
 Modified: 10/20/2016 1:39:05 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

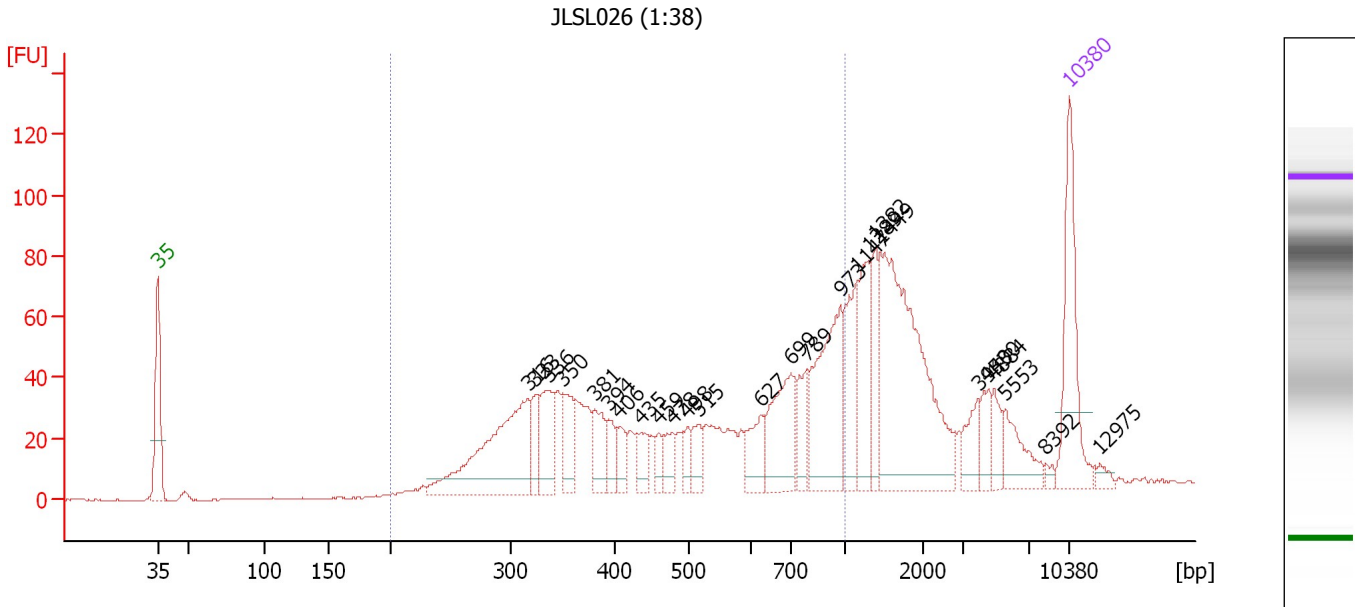
**Peak table for Ladder**

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	45.43
3	100	150.00	2,272.7	Ladder Peak	51.20
4	150	150.00	1,515.2	Ladder Peak	56.07
5	200	150.00	1,136.4	Ladder Peak	60.84
6	300	150.00	757.6	Ladder Peak	70.13
7	400	150.00	568.2	Ladder Peak	78.12
8	500	150.00	454.5	Ladder Peak	83.84
9	600	150.00	378.8	Ladder Peak	88.56
10	700	150.00	324.7	Ladder Peak	91.64
11	1,000	150.00	227.3	Ladder Peak	95.81
12	2,000	150.00	113.6	Ladder Peak	101.82
13	3,000	150.00	75.8	Ladder Peak	104.80
14	7,000	150.00	32.5	Ladder Peak	109.92
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 expert\data\2016-10-20\2016-10-20\_002\_JLSL026-JLSL035.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : JLSL026 (1:38)**

Number of peaks found: 26                      Corr. Area 1: 1,016.6  
 Noise: 0.2

**Peak table for sample 2 : JLSL026 (1:38)**

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	316	178.60	855.4		71.43
3	323	30.46	143.1		71.94
4	336	51.99	234.6		72.99
5	350	39.48	170.8		74.15
6	381	33.38	132.9		76.57
7	394	23.12	89.0		77.62
8	406	20.53	76.6		78.48
9	435	21.97	76.5		80.14
10	459	14.42	47.6		81.50
11	478	19.94	63.3		82.55
12	498	16.51	50.2		83.71
13	515	20.41	60.0		84.57
14	627	33.86	81.8		89.40
15	699	77.07	167.0		91.61
16	789	30.46	58.5		92.87
17	973	107.64	167.6		95.44
18	1,147	54.30	71.7		96.70
19	1,289	57.62	67.7		97.55
20	1,382	42.04	46.1		98.10
21	1,449	215.98	225.9		98.51
22	3,940	24.58	9.5		106.01
23	4,530	18.07	6.0		106.76
24	4,884	15.68	4.9		107.21
25	5,553	33.17	9.1		108.07

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 expert\data\2016-10-20\2016-10-20\_002\_JLSL026-JLSL035.xad

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### Electropherogram Summary Continued ...

#### ... Peak table for sample 2 : JLSL026 (1:38)

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	8,392	4.15	0.7		111.19
27	10,380	75.00	10.9	Upper Marker	113.00
28	12,975	0.00	0.0		115.37

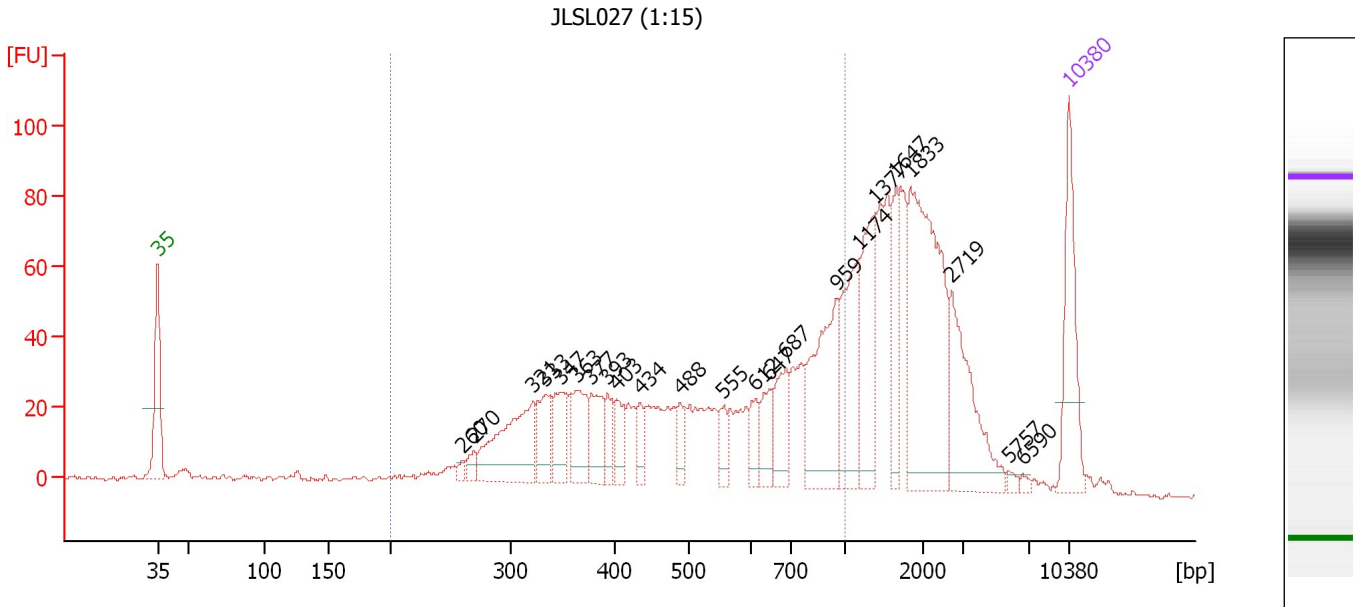
#### Region table for sample 2 : JLSL026 (1:38)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ $\mu$ l]	% of Total	Size distribution in CV [%]
200	1,000	532	1,016.6	3,432.3	960.80	60	40.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 expert\data\2016-10-20\2016-10-20\_002\_JLSL026-JLSL035.xad

Created: 10/20/2016 11:55:19 AM  
 Modified: 10/20/2016 1:39:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : JLSL027 (1:15)**

Number of peaks found: 23                      Corr. Area 1: 927.3  
 Noise: 0.7

**Peak table for sample 3 : JLSL027 (1:15)**

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	260	7.61	44.2		66.45
3	270	13.53	76.0		67.31
4	321	127.58	601.6		71.83
5	333	50.27	228.5		72.80
6	347	49.30	215.0		73.91
7	363	56.77	237.2		75.13
8	377	47.24	189.7		76.30
9	393	25.46	98.1		77.57
10	403	25.36	95.4		78.28
11	434	22.26	77.7		80.06
12	488	23.31	72.4		83.15
13	555	20.56	56.1		86.45
14	612	25.71	63.6		88.94
15	647	31.66	74.1		90.01
16	687	50.00	110.4		91.22
17	959	123.10	194.6		95.23
18	1,174	92.32	119.1		96.86
19	1,377	87.40	96.2		98.08
20	1,647	51.66	47.5		99.70
21	1,833	214.47	177.3		100.82
22	2,719	98.26	54.8		103.96
23	5,757	3.96	1.0		108.33
24	6,590	3.39	0.8		109.40
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...0 expert\data\2016-10-20\2016-10-20\_002\_JLSL026-JLSL035.xad

Created: 10/20/2016 11:55:19 AM  
Modified: 10/20/2016 1:39:05 PM

**Electropherogram Summary Continued ...****... Region table for sample 3 : JLSL027 (1:15)**

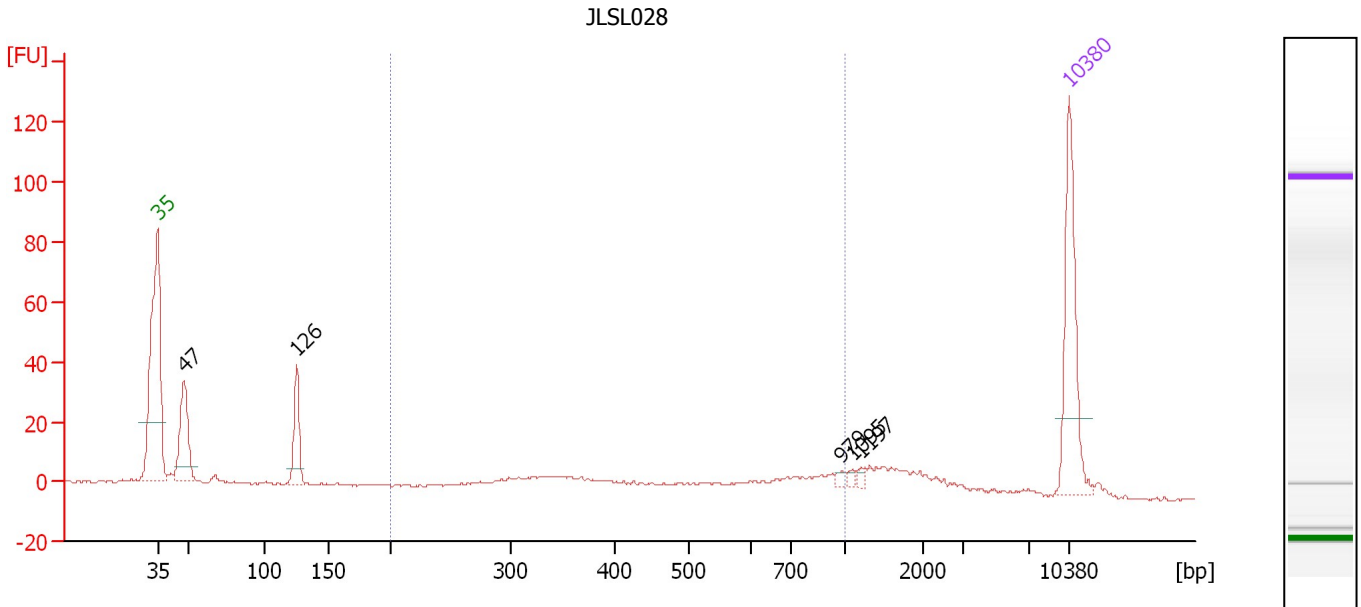
<b>From [bp]</b>	<b>To [bp]</b>	<b>Average Size [bp]</b>	<b>Corr. Area</b>	<b>Molarity [pmol/l]</b>	<b>Co Conc. lor [pg/μl]</b>	<b>% of Total</b>	<b>Size distribution in CV [%]</b>
200	1,000	545	927.3	3,797.0	■ 1,106.97	54	38.7



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 expert\data\2016-10-20\2016-10-20\_002\_JLSL026-JLSL035.xad

Created: 10/20/2016 11:55:19 AM  
 Modified: 10/20/2016 1:39:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : JLSL028**

Number of peaks found: 5                      Corr. Area 1: 116.7  
 Noise: 0.3

**Peak table for sample 4 : JLSL028**

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	47	81.21	2,602.1		44.99
3	126	47.68	575.4		53.69
4	979	3.07	4.8		95.51
5	1,095	3.14	4.3		96.38
6	1,197	3.54	4.5		97.00
7	10,380	75.00	10.9	Upper Marker	113.00

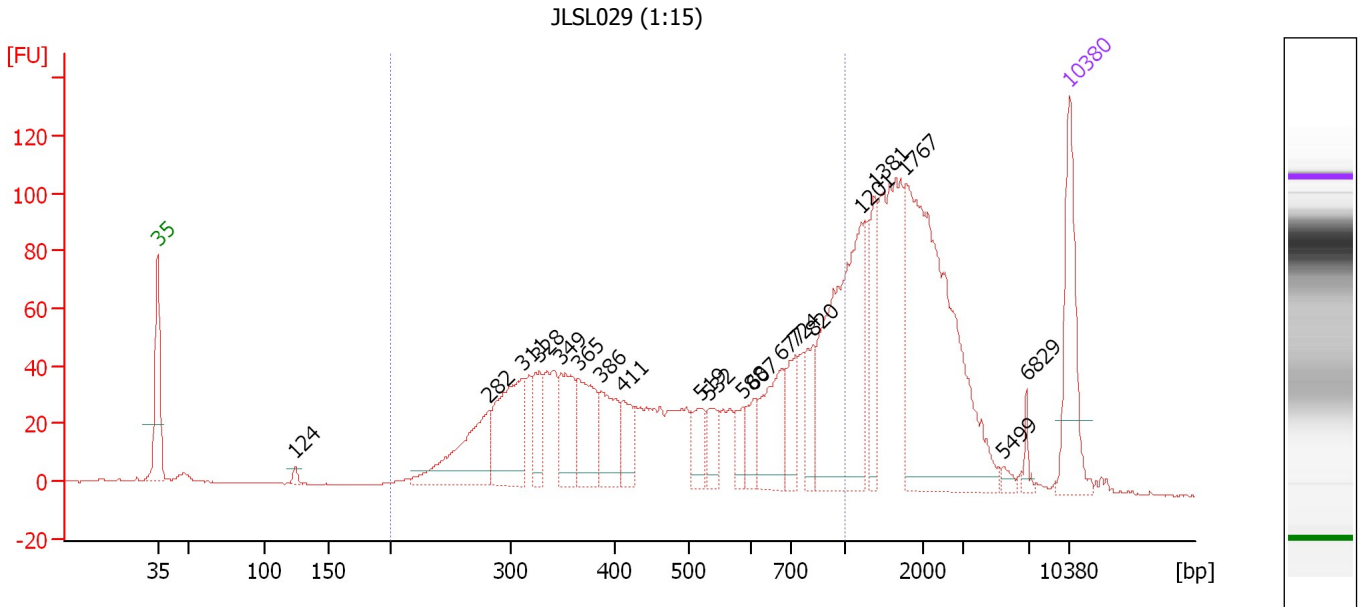
**Region table for sample 4 : JLSL028**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	535	116.7	418.0	116.87	38	40.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 expert\data\2016-10-20\2016-10-20\_002\_JLSL026-JLSL035.xad

Created: 10/20/2016 11:55:19 AM  
 Modified: 10/20/2016 1:39:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : JLSL029 (1:15)**

Number of peaks found: 20                      Corr. Area 1: 1,326.8  
 Noise: 0.2

**Peak table for sample 5 : JLSL029 (1:15)**

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	124	6.21	75.7		53.57
3	282	109.03	585.6		68.46
4	311	121.79	593.7		70.99
5	328	45.26	209.4		72.33
6	349	62.45	271.3		74.03
7	365	75.32	312.7		75.32
8	386	60.21	236.2		77.02
9	411	33.49	123.4		78.77
10	519	29.92	87.3		84.75
11	532	28.26	80.4		85.37
12	588	20.97	54.0		88.00
13	607	26.61	66.4		88.77
14	677	70.43	157.5		90.94
15	724	37.34	78.2		91.97
16	820	34.47	63.7		93.31
17	1,201	202.28	255.1		97.02
18	1,381	47.25	51.8		98.10
19	1,767	296.86	254.5		100.42
20	5,499	4.99	1.4		108.00
21	6,829	7.49	1.7		109.70
22	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...0 expert\data\2016-10-20\2016-10-20\_002\_JLSL026-JLSL035.xad

Created: 10/20/2016 11:55:19 AM  
Modified: 10/20/2016 1:39:05 PM

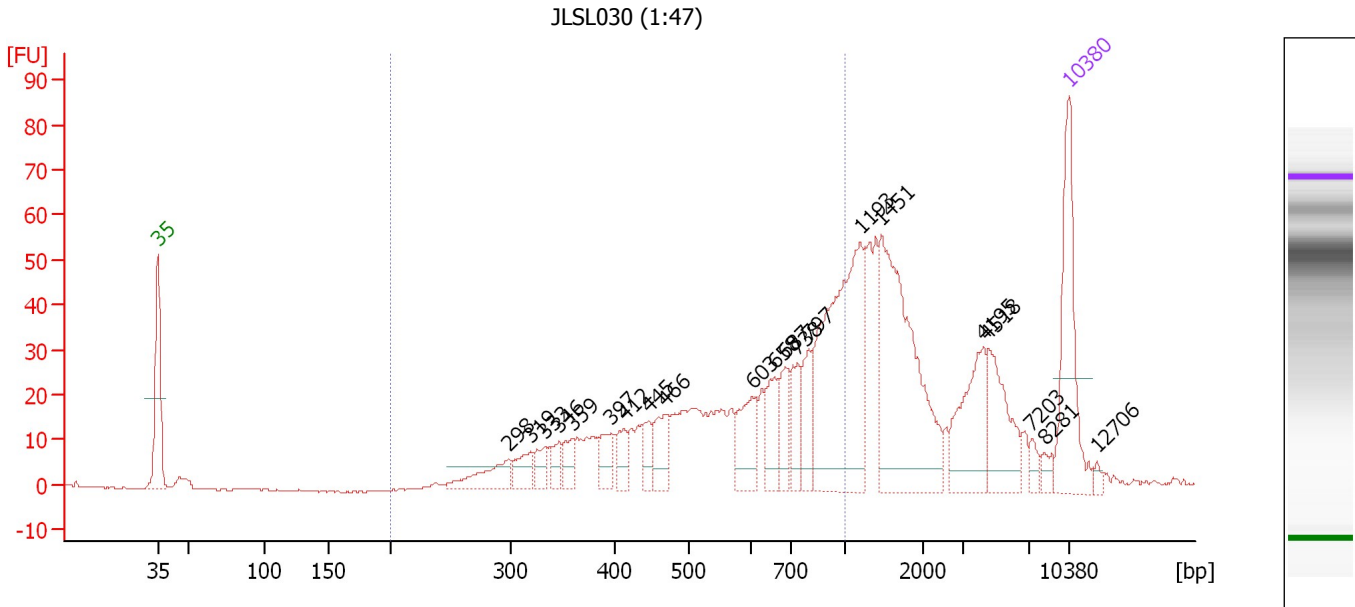
**Electropherogram Summary Continued ...****... Region table for sample 5 : JLSL029 (1:15)**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	526	1,326.8	4,271.9	■ 1,178.22	58	41.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 expert\data\2016-10-20\2016-10-20\_002\_JLSL026-JLSL035.xad

Created: 10/20/2016 11:55:19 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : JLSL030 (1:47)**

Number of peaks found: 21                      Corr. Area 1: 587.9  
 Noise: 0.2


**Peak table for sample 6 : JLSL030 (1:47)**

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	298	33.42	169.9		69.94
3	319	21.42	101.8		71.64
4	333	15.71	71.6		72.73
5	346	13.54	59.3		73.81
6	359	16.22	68.5		74.85
7	397	21.60	82.5		77.84
8	412	18.66	68.6		78.83
9	445	17.41	59.3		80.69
10	466	27.27	88.7		81.88
11	603	39.65	99.6		88.65
12	658	31.54	72.6		90.36
13	687	27.82	61.4		91.23
14	738	26.54	54.5		92.17
15	797	29.52	56.1		92.99
16	1,193	180.64	229.3		96.97
17	1,451	168.80	176.2		98.52
18	4,195	60.05	21.7		106.33
19	4,518	50.08	16.8		106.74
20	7,203	6.85	1.4		110.10
21	8,281	6.16	1.1		111.09
22	10,380	75.00	10.9	Upper Marker	113.00
23	12,706	0.00	0.0		115.12

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...0 expert\data\2016-10-20\2016-10-20\_002\_JLSL026-JLSL035.xad

Created: 10/20/2016 11:55:19 AM  
Modified: 10/20/2016 1:39:05 PM

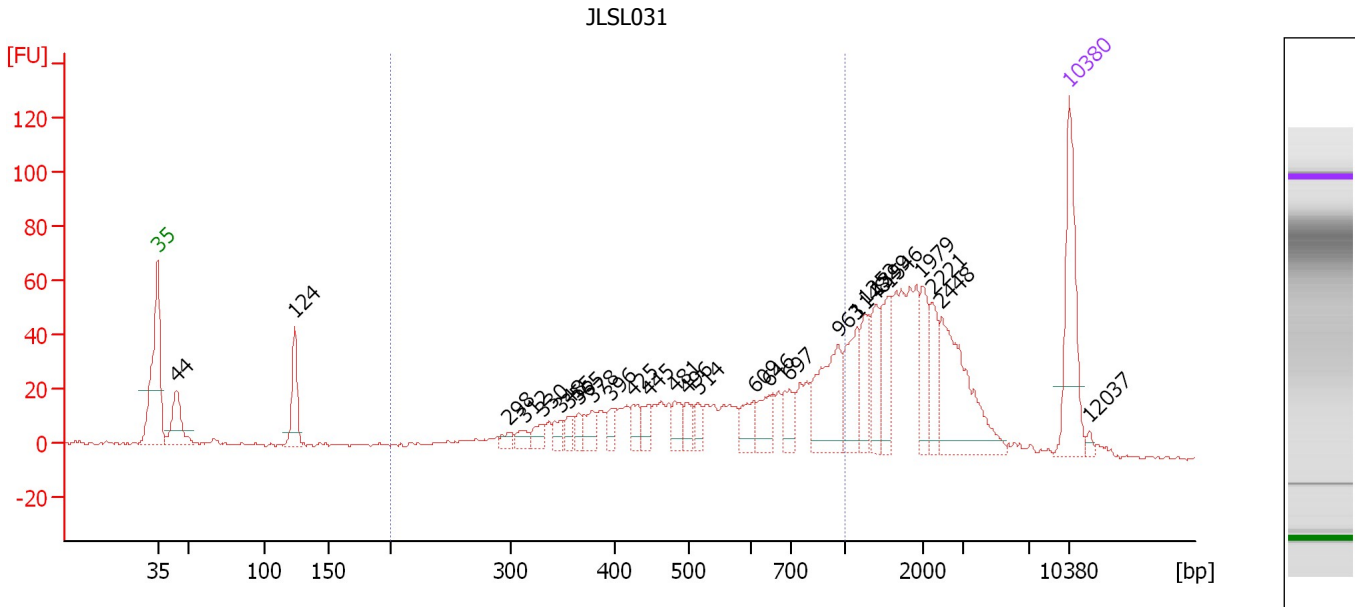
**Electropherogram Summary Continued ...****... Region table for sample 6 :      JLSL030 (1:47)**

<b>From [bp]</b>	<b>To [bp]</b>	<b>Average Size [bp]</b>	<b>Corr. Area</b>	<b>Molarity [pmol/l]</b>	<b>Co Conc. lor [pg/μl]</b>	<b>% of Total</b>	<b>Size distribution in CV [%]</b>
200	1,000	600	587.9	2,104.5	 694.29	53	34.4

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 expert\data\2016-10-20\2016-10-20\_002\_JLSL026-JLSL035.xad

Created: 10/20/2016 11:55:19 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : JLSL031**

Number of peaks found: 27                      Corr. Area 1: 594.2  
 Noise: 0.5

**Peak table for sample 7 : JLSL031**

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	59.86	2,062.1		44.46
3	124	55.57	679.8		53.52
4	298	9.93	50.4		69.98
5	312	11.82	57.3		71.12
6	330	12.99	59.6		72.53
7	348	12.53	54.6		73.94
8	355	12.30	52.4		74.56
9	365	12.08	50.2		75.29
10	378	18.15	72.7		76.39
11	396	14.05	53.7		77.84
12	425	16.17	57.6		79.56
13	445	16.08	54.7		80.71
14	481	17.79	56.1		82.74
15	496	15.13	46.2		83.62
16	514	13.55	39.9		84.51
17	609	22.60	56.2		88.83
18	646	27.90	65.4		89.98
19	697	21.95	47.7		91.54
20	963	73.17	115.2		95.29
21	1,148	46.58	61.5		96.70
22	1,252	32.53	39.4		97.32
23	1,399	33.84	36.7		98.21
24	1,546	37.34	36.6		99.09
25	1,979	31.44	24.1		101.70

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 expert\data\2016-10-20\2016-10-20\_002\_JLSL026-JLSL035.xad

Created: 10/20/2016 11:55:19 AM  
 Modified: 10/20/2016 1:39:05 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 7 : JLSL031

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,221	28.34	19.3		102.48
27	2,448	93.70	58.0		103.16
28	10,380	75.00	10.9	Upper Marker	113.00
29	12,037	0.00	0.0		114.51

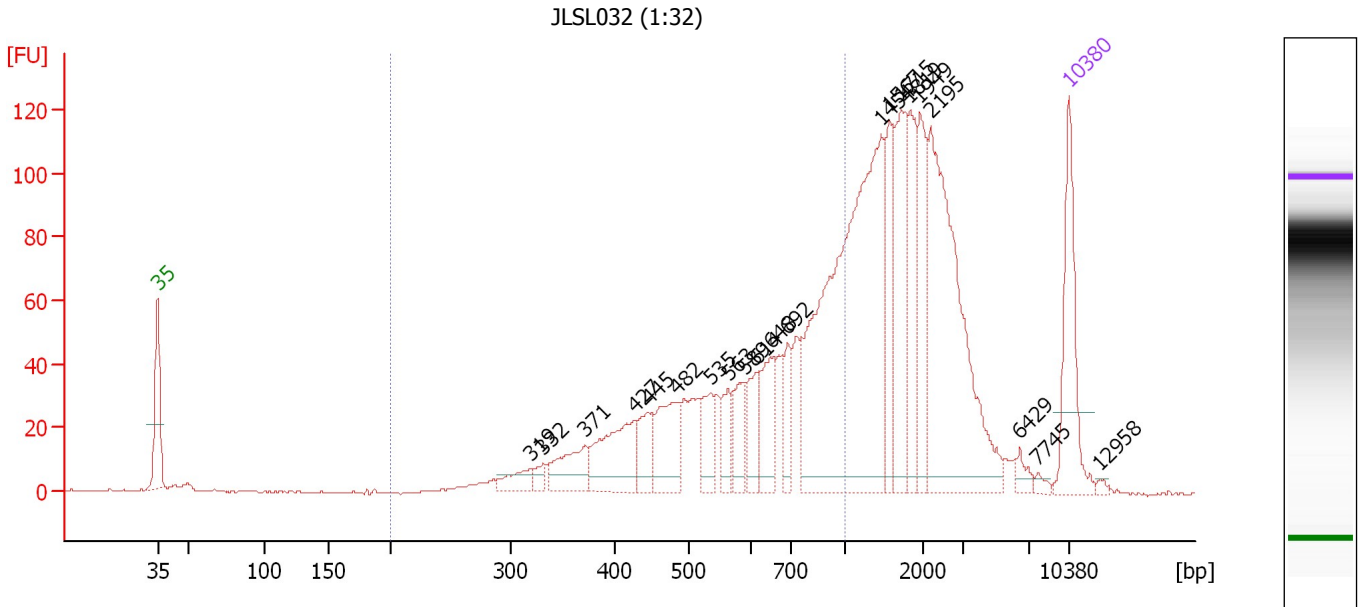
#### Region table for sample 7 : JLSL031

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	572	594.2	1,899.7	590.48	46	35.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 expert\data\2016-10-20\2016-10-20\_002\_JLSL026-JLSL035.xad

Created: 10/20/2016 11:55:19 AM  
 Modified: 10/20/2016 1:39:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : JLSL032 (1:32)**

Number of peaks found: 21                      Corr. Area 1: 918.4  
 Noise: 0.2

**Peak table for sample 8 : JLSL032 (1:32)**

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	319	22.19	105.5		71.61
3	332	10.14	46.3		72.65
4	371	47.90	195.8		75.78
5	427	82.79	294.0		79.64
6	445	33.41	113.8		80.69
7	482	66.57	209.1		82.83
8	535	34.87	98.7		85.49
9	563	27.46	73.9		86.80
10	589	35.87	92.2		88.05
11	614	34.37	84.8		88.99
12	648	47.10	110.1		90.03
13	692	31.01	67.9		91.39
14	1,454	395.58	412.2		98.54
15	1,567	64.41	62.3		99.22
16	1,715	87.73	77.5		100.11
17	1,819	63.63	53.0		100.73
18	1,949	69.41	54.0		101.52
19	2,195	231.15	159.5		102.40
20	6,429	8.69	2.0		109.19
21	7,745	4.23	0.8		110.60
22	10,380	75.00	10.9	Upper Marker	113.00
23	12,958	0.00	0.0		115.35



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...0 expert\data\2016-10-20\2016-10-20\_002\_JLSL026-JLSL035.xad

Created: 10/20/2016 11:55:19 AM  
Modified: 10/20/2016 1:39:05 PM

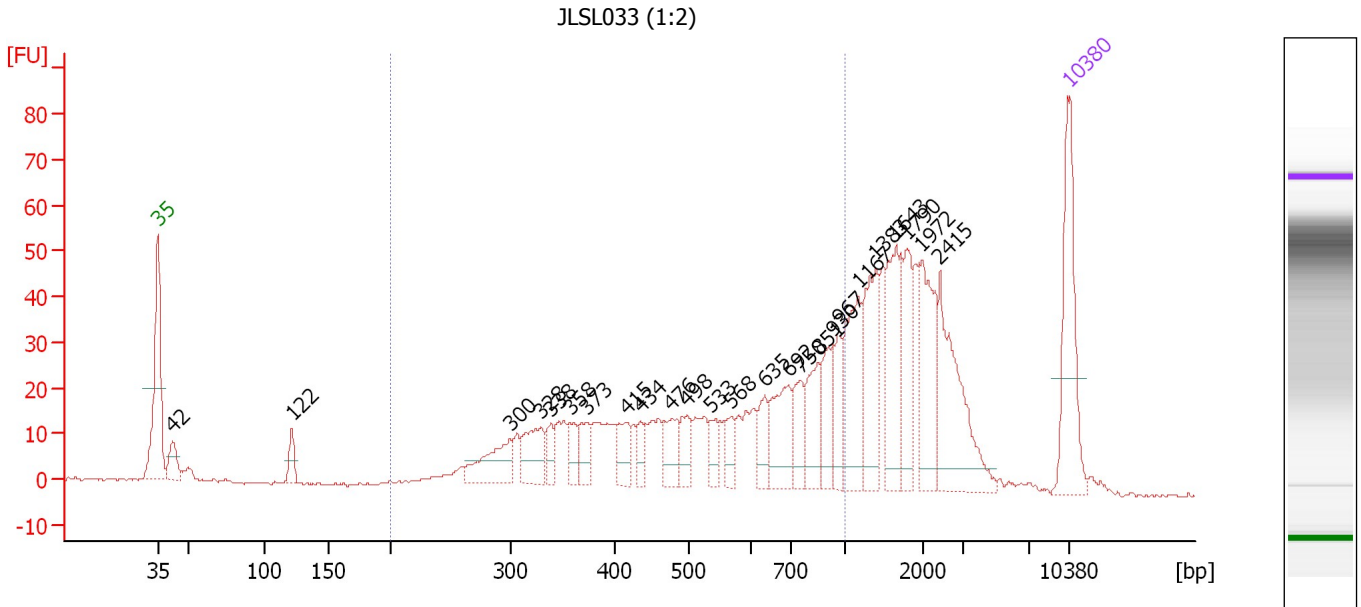
**Electropherogram Summary Continued ...****... Region table for sample 8 : JLSL032 (1:32)**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	619	918.4	2,507.4	873.90	46	31.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 expert\data\2016-10-20\2016-10-20\_002\_JLSL026-JLSL035.xad

Created: 10/20/2016 11:55:19 AM  
 Modified: 10/20/2016 1:39:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : JLSL033 (1:2)**

Number of peaks found: 25                      Corr. Area 1: 562.8  
 Noise: 0.3

**Peak table for sample 9 : JLSL033 (1:2)**

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	42	27.78	1,000.9		44.14
3	122	18.89	235.3		53.30
4	300	49.31	249.1		70.12
5	328	40.41	186.4		72.41
6	338	16.62	74.4		73.19
7	358	16.71	70.7		74.75
8	373	22.76	92.5		75.94
9	415	24.69	90.2		78.96
10	434	16.44	57.4		80.06
11	476	27.77	88.5		82.45
12	498	22.38	68.1		83.70
13	533	16.02	45.5		85.42
14	568	17.91	47.8		87.03
15	635	22.89	54.6		89.63
16	692	50.85	111.3		91.40
17	750	28.73	58.0		92.34
18	851	40.41	71.9		93.74
19	930	33.94	55.3		94.84
20	967	28.48	44.6		95.36
21	1,167	65.76	85.4		96.81
22	1,383	61.12	66.9		98.12
23	1,643	67.99	62.7		99.68
24	1,790	45.39	38.4		100.56
25	1,972	60.83	46.7		101.65

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 expert\data\2016-10-20\2016-10-20\_002\_JLSL026-JLSL035.xad

Created: 10/20/2016 11:55:19 AM  
 Modified: 10/20/2016 1:39:05 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 9 : JLSL033 (1:2)

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,415	88.65	55.6		103.06
27	10,380	75.00	10.9	Upper Marker	113.00

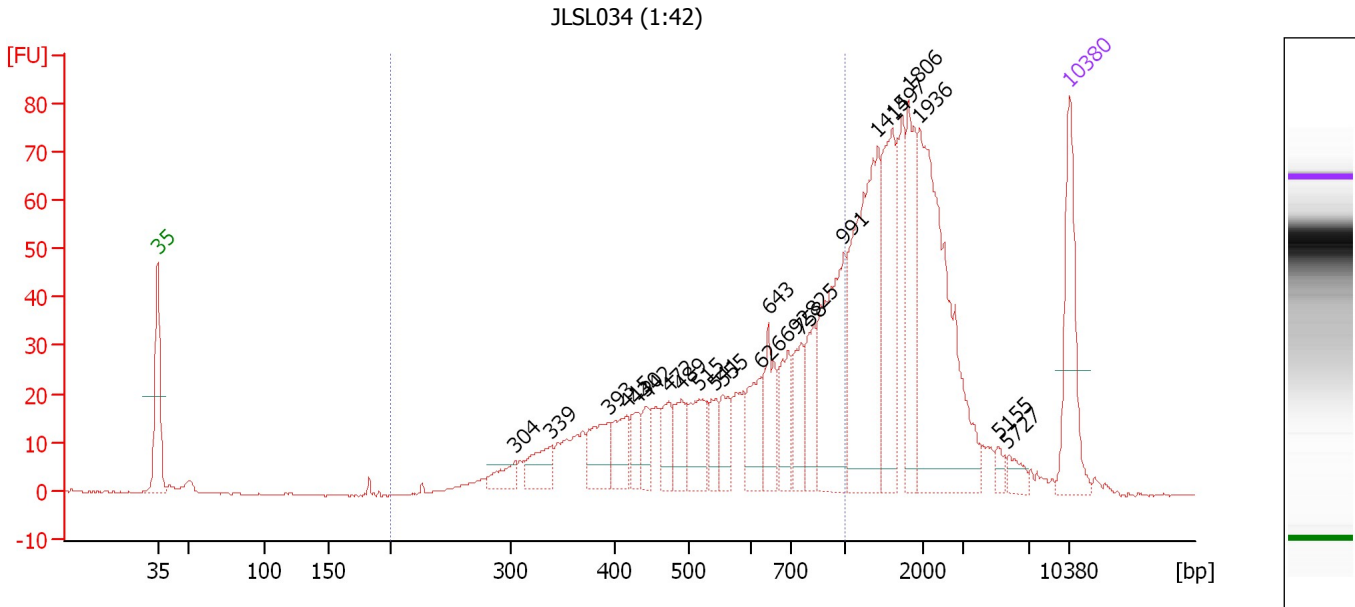
#### Region table for sample 9 : JLSL033 (1:2)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ $\mu$ l]	% of Total	Size distribution in CV [%]
200	1,000	559	562.8	2,502.8	752.27	54	37.4

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 expert\data\2016-10-20\2016-10-20\_002\_JLSL026-JLSL035.xad

Created: 10/20/2016 11:55:19 AM  
 Modified: 10/20/2016 1:39:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : JLSL034 (1:42)**

Number of peaks found: 23                      Corr. Area 1: 603.8  
 Noise: 0.1

**Peak table for sample 10 : JLSL034 (1:42)**

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	304	21.47	106.9		70.47
3	339	36.55	163.4		73.24
4	393	46.06	177.5		77.58
5	415	37.02	135.1		78.99
6	430	21.47	75.7		79.83
7	442	24.07	82.6		80.51
8	472	29.84	95.8		82.24
9	489	33.69	104.3		83.23
10	515	48.07	141.5		84.54
11	541	25.84	72.3		85.80
12	555	27.91	76.2		86.42
13	626	49.54	119.9		89.35
14	643	46.08	108.6		89.88
15	692	44.13	96.6		91.39
16	758	39.39	78.8		92.44
17	825	44.27	81.3		93.38
18	991	129.82	198.5		95.68
19	1,414	195.78	209.8		98.30
20	1,597	97.26	92.3		99.40
21	1,806	76.33	64.1		100.65
22	1,936	226.90	177.6		101.44
23	5,155	7.19	2.1		107.56
24	5,727	11.29	3.0		108.29
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...0 expert\data\2016-10-20\2016-10-20\_002\_JLSL026-JLSL035.xad

Created: 10/20/2016 11:55:19 AM  
Modified: 10/20/2016 1:39:05 PM

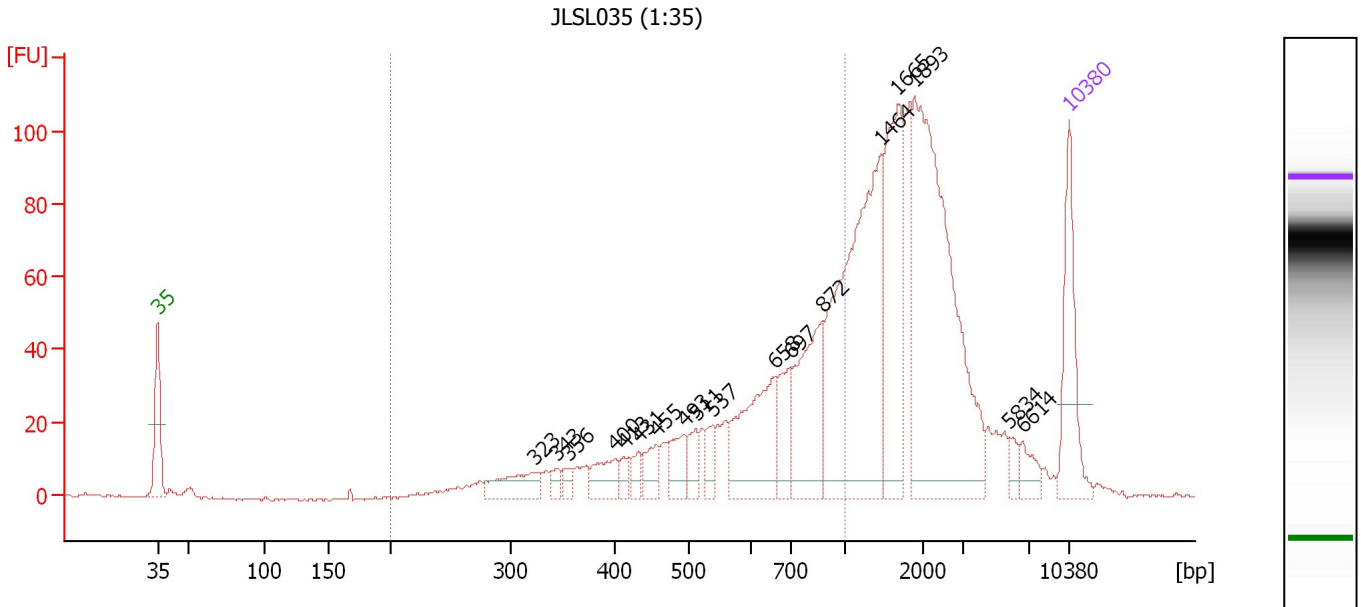
**Electropherogram Summary Continued ...****... Region table for sample 10 : JLSL034 (1:42)**

<b>From [bp]</b>	<b>To [bp]</b>	<b>Average Size [bp]</b>	<b>Corr. Area</b>	<b>Molarity [pmol/l]</b>	<b>Co Conc. lor [pg/μl]</b>	<b>% of Total</b>	<b>Size distribution in CV [%]</b>
200	1,000	599	603.8	2,671.5	894.98	49	33.4

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 expert\data\2016-10-20\2016-10-20\_002\_JLSL026-JLSL035.xad

Created: 10/20/2016 11:55:19 AM  
 Modified: 10/20/2016 1:39:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : JLSL035 (1:35)**

Number of peaks found: 18                      Corr. Area 1: 595.5  
 Noise: 0.4

**Peak table for sample 11 : JLSL035 (1:35)**

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	323	46.66	219.0		71.96
3	343	11.51	50.8		73.59
4	356	10.76	45.8		74.58
5	400	33.64	127.5		78.11
6	413	11.36	41.6		78.89
7	431	15.79	55.5		79.89
8	455	24.91	83.0		81.26
9	493	31.89	98.1		83.41
10	511	23.78	70.5		84.36
11	537	17.84	50.4		85.57
12	658	117.29	270.0		90.35
13	697	46.95	102.0		91.56
14	872	111.68	194.1		94.03
15	1,464	304.96	315.6		98.60
16	1,665	153.04	139.3		99.81
17	1,893	334.36	267.7		101.18
18	5,834	10.41	2.7		108.43
19	6,614	16.33	3.7		109.43
20	10,380	75.00	10.9	Upper Marker	113.00

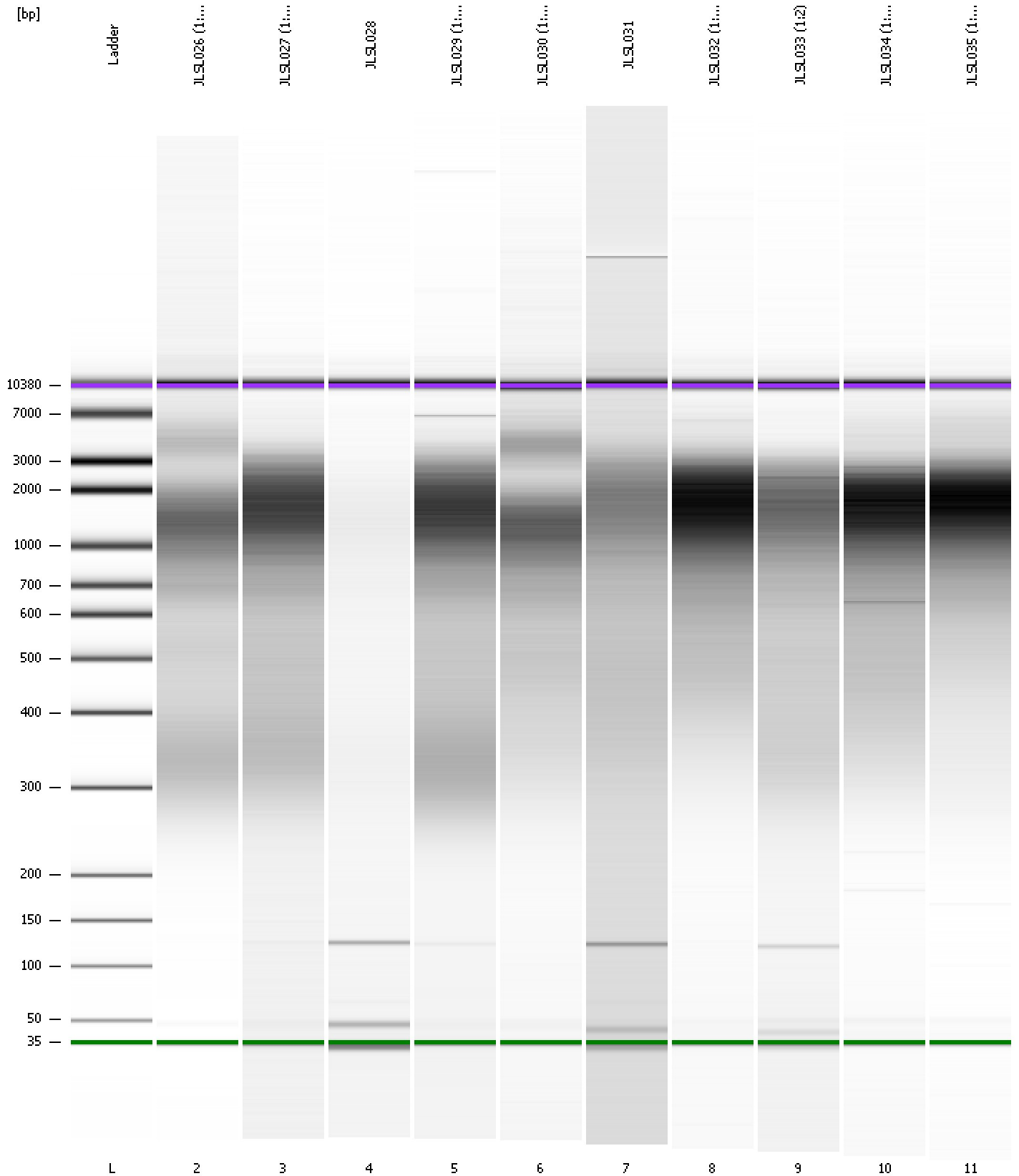
**Region table for sample 11 : JLSL035 (1:35)**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	640	595.5	1,946.2	695.04	40	31.5

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...0 expert\data\2016-10-20\2016-10-20\_002\_JLSL026-JLSL035.xad

Created: 10/20/2016 11:55:19 AM  
Modified: 10/20/2016 1:39:05 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 expert\data\2016-10-20\2016-10-20\_002\_JLSL026-JLSL035.xad

Created: 10/20/2016 11:55:19 AM  
 Modified: 10/20/2016 1:39:05 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		10/20/2016 12:35:47 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-10-20\2016-10-20_002.xad)		Instrument	Run		10/20/2016 11:55:25 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		10/20/2016 11:55:25 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		10/20/2016 11:55:25 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		10/20/2016 11:55:25 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		10/20/2016 11:55:25 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		10/20/2016 11:55:25 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		10/20/2016 11:55:25 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1