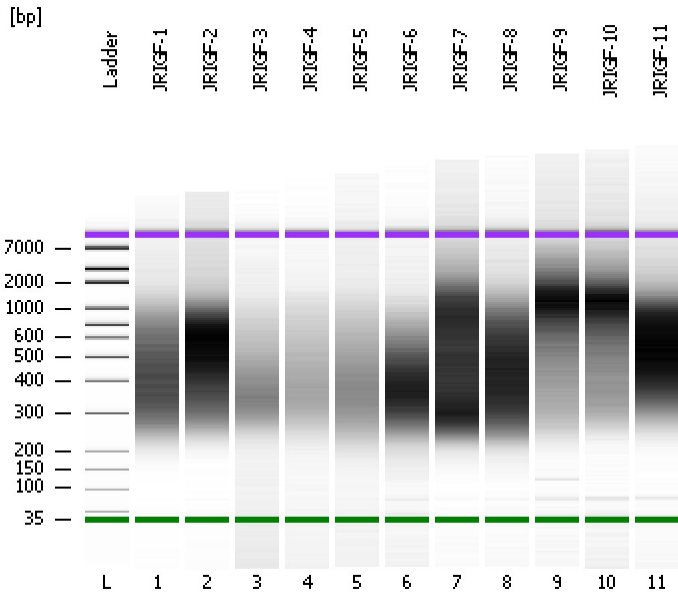


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

Created: 2/28/2014 10:18:20 AM
Modified: 2/28/2014 11:09:45 AM

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

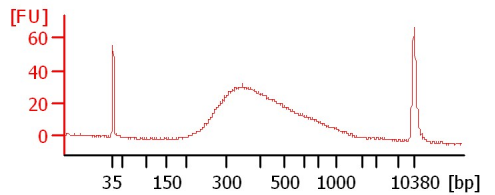
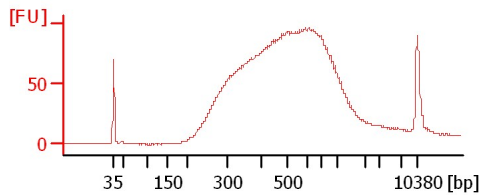
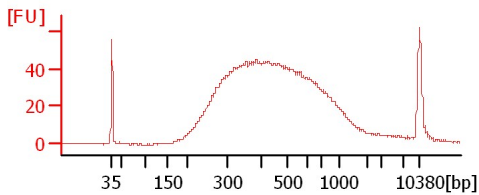
Chip Information:

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

JRIGF-1

JRIGF-2

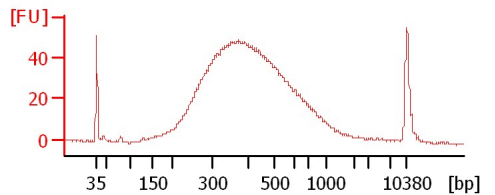
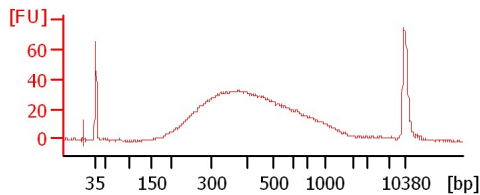
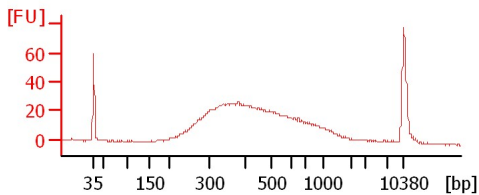
JRIGF-3



JRIGF-4

JRIGF-5

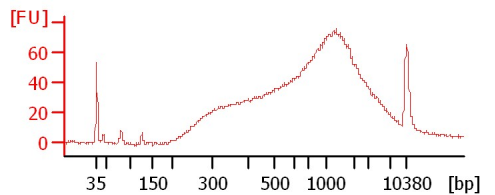
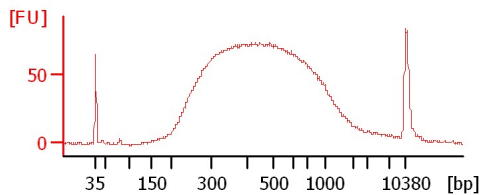
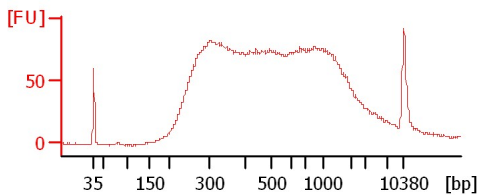
JRIGF-6



JRIGF-7

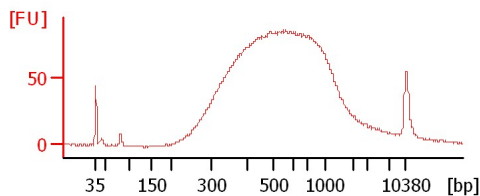
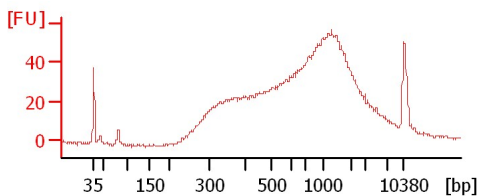
JRIGF-8

JRIGF-9



JRIGF-10

JRIGF-11



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

Created: 2/28/2014 10:18:20 AM
 Modified: 2/28/2014 11:09:45 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
JRIGF-1		<input type="checkbox"/>	✓			
JRIGF-2		<input type="checkbox"/>	✓			
JRIGF-3		<input type="checkbox"/>	✓			
JRIGF-4		<input type="checkbox"/>	✓			
JRIGF-5		<input type="checkbox"/>	✓			
JRIGF-6		<input type="checkbox"/>	✓			
JRIGF-7		<input type="checkbox"/>	✓			
JRIGF-8		<input type="checkbox"/>	✓			
JRIGF-9		<input type="checkbox"/>	✓			
JRIGF-10		<input type="checkbox"/>	✓			
JRIGF-11		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

Created: 2/28/2014 10:18:20 AM
Modified: 2/28/2014 11:09:45 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

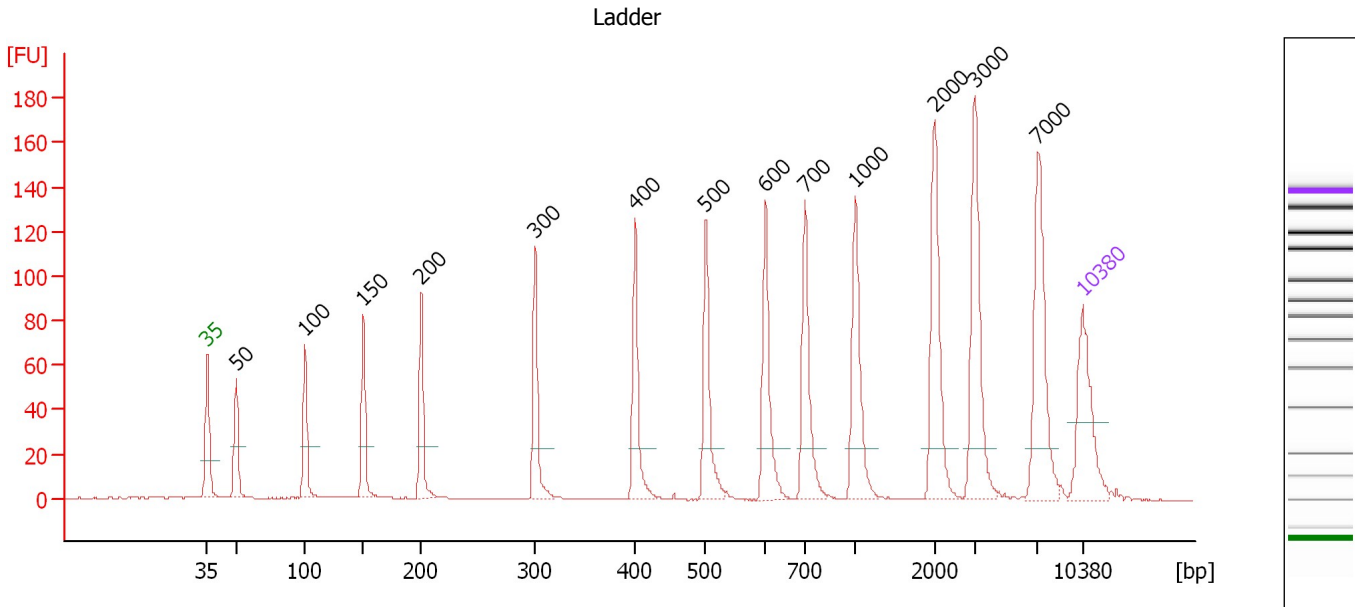
Ladder

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:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

Created: 2/28/2014 10:18:20 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

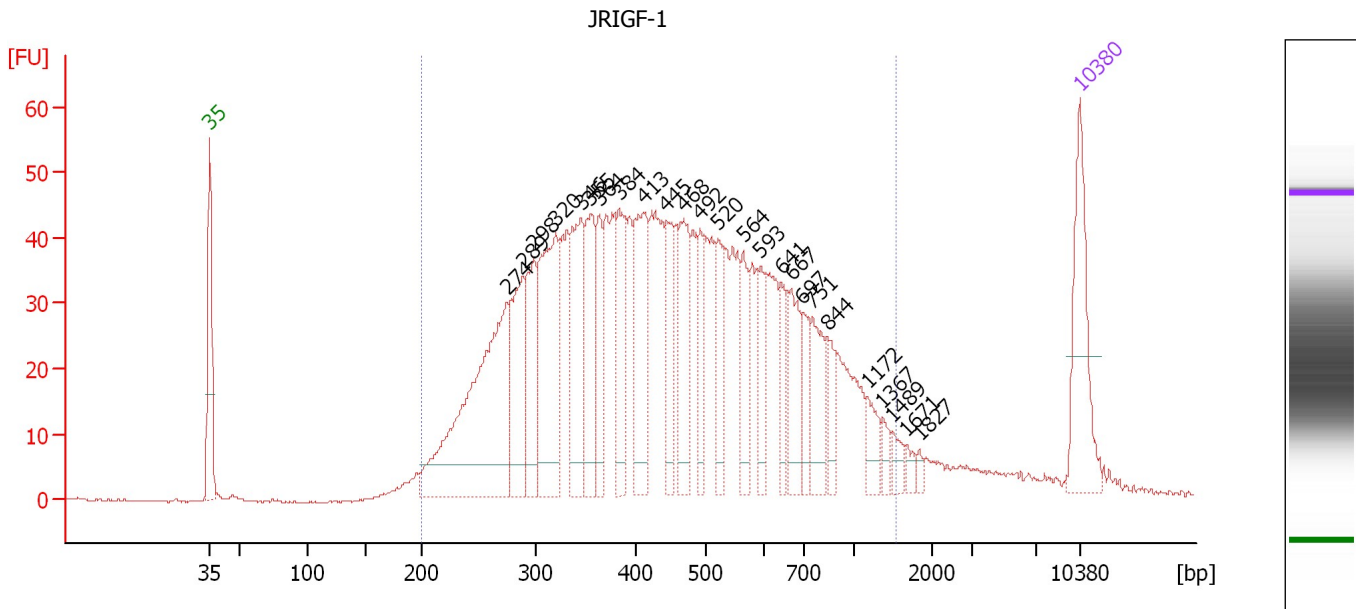
Peak table for Ladder

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	45.30	50	150.00	4,545.5	Ladder Peak
3	50.80	100	150.00	2,272.7	Ladder Peak
4	55.49	150	150.00	1,515.2	Ladder Peak
5	60.10	200	150.00	1,136.4	Ladder Peak
6	69.22	300	150.00	757.6	Ladder Peak
7	77.19	400	150.00	568.2	Ladder Peak
8	82.86	500	150.00	454.5	Ladder Peak
9	87.63	600	150.00	378.8	Ladder Peak
10	90.79	700	150.00	324.7	Ladder Peak
11	94.80	1,000	150.00	227.3	Ladder Peak
12	101.15	2,000	150.00	113.6	Ladder Peak
13	104.35	3,000	150.00	75.8	Ladder Peak
14	109.42	7,000	150.00	32.5	Ladder Peak
15	113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

Created: 2/28/2014 10:18:20 AM
 Modified: 2/28/2014 11:09:45 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : JRIGF-1

Number of peaks found: 25 Corr. Area 1: 1,550.1
 Noise: 0.2

Peak table for sample 1 : JRIGF-1

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	66.89	274	327.11	1,805.6	
3	68.18	289	113.12	593.9	
4	69.08	298	92.08	467.4	
5	70.79	320	176.85	837.9	
6	72.85	346	119.42	523.6	
7	73.58	355	97.49	416.4	
8	74.35	364	56.22	233.7	
9	75.94	384	88.48	348.8	
10	77.91	413	115.58	424.2	
11	79.72	445	56.92	194.0	
12	81.05	468	81.37	263.4	
13	82.42	492	45.53	140.2	
14	83.83	520	52.09	151.7	
15	85.89	564	45.21	121.5	
16	87.31	593	33.77	86.3	
17	88.94	641	31.12	73.5	
18	89.75	667	53.64	121.8	
19	90.70	697	30.98	67.3	
20	91.47	751	57.12	115.3	
21	92.71	844	23.91	42.9	
22	95.89	1,172	21.87	28.3	
23	97.13	1,367	11.21	12.4	
24	97.90	1,489	12.04	12.3	
25	99.06	1,671	7.35	6.7	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

Created: 2/28/2014 10:18:20 AM
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Electropherogram Summary Continued ...

... Peak table for sample 1 : JRIGF-1

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
26	100.05	1,827	4.87	4.0	
27	113.00	10,380	75.00	10.9	Upper Marker

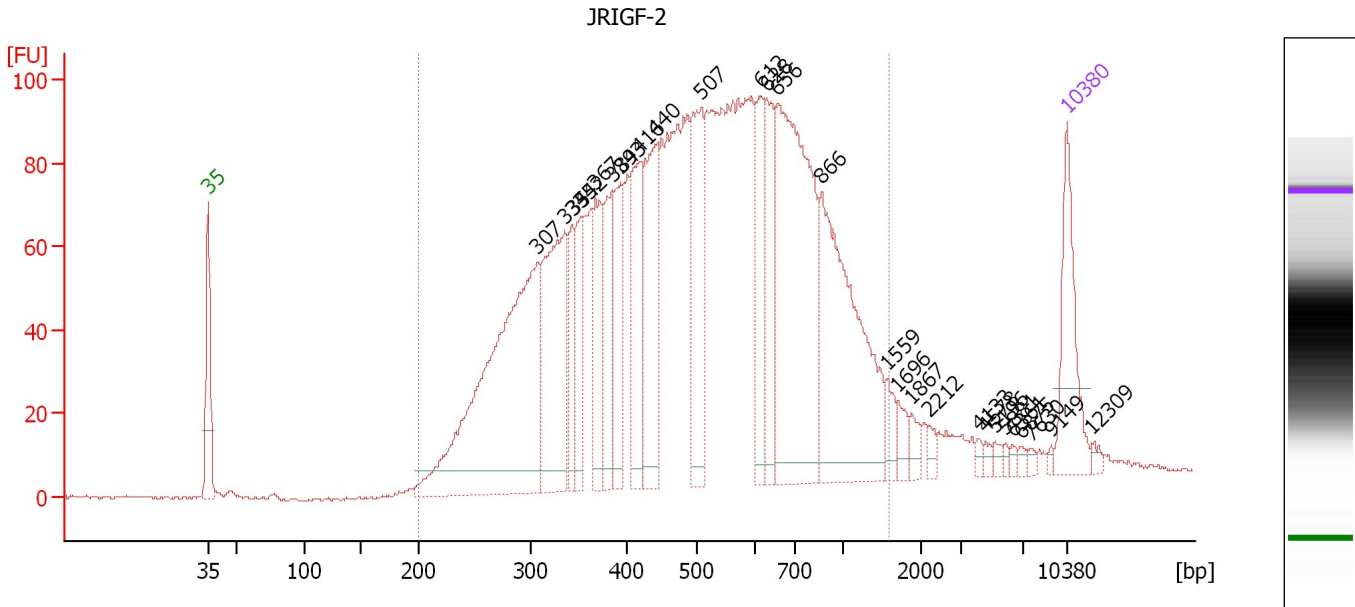
Region table for sample 1 : JRIGF-1

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,538	486	9,939.8	2,564.08	1,550.1	96	45.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

Created: 2/28/2014 10:18:20 AM
 Modified: 2/28/2014 11:09:45 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : JRIGF-2

Number of peaks found: 27 Corr. Area 1: 2,934.5
 Noise: 0.4

Peak table for sample 2 : JRIGF-2

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	69.78	307	520.77	2,569.5	
3	72.04	335	230.50	1,041.2	
4	72.70	344	61.83	272.6	
5	73.39	352	67.16	288.8	
6	74.57	367	98.33	405.9	
7	75.91	384	91.91	362.7	
8	76.61	393	88.10	339.9	
9	78.09	416	116.66	425.1	
10	79.48	440	150.14	516.6	
11	83.22	507	141.47	422.4	
12	88.00	612	83.12	205.9	
13	88.52	628	87.00	209.9	
14	89.39	656	358.80	829.1	
15	93.00	866	274.39	480.4	
16	98.35	1,559	18.41	17.9	
17	99.22	1,696	14.83	13.2	
18	100.30	1,867	12.06	9.8	
19	101.83	2,212	7.98	5.5	
20	105.78	4,133	4.77	1.7	
21	106.35	4,578	4.55	1.5	
22	107.13	5,196	5.31	1.5	
23	108.00	5,881	3.42	0.9	
24	108.61	6,361	3.76	0.9	
25	109.26	6,875	4.45	1.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

Created: 2/28/2014 10:18:20 AM
 Modified: 2/28/2014 11:09:45 AM

Electropherogram Summary Continued ...

... Peak table for sample 2 : JRIGF-2

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
26	110.09	7,630	3.41	0.7	
27	111.70	9,149	2.64	0.4	
28	113.00	10,380	75.00	10.9	Upper Marker
29	115.04	12,309	0.00	0.0	

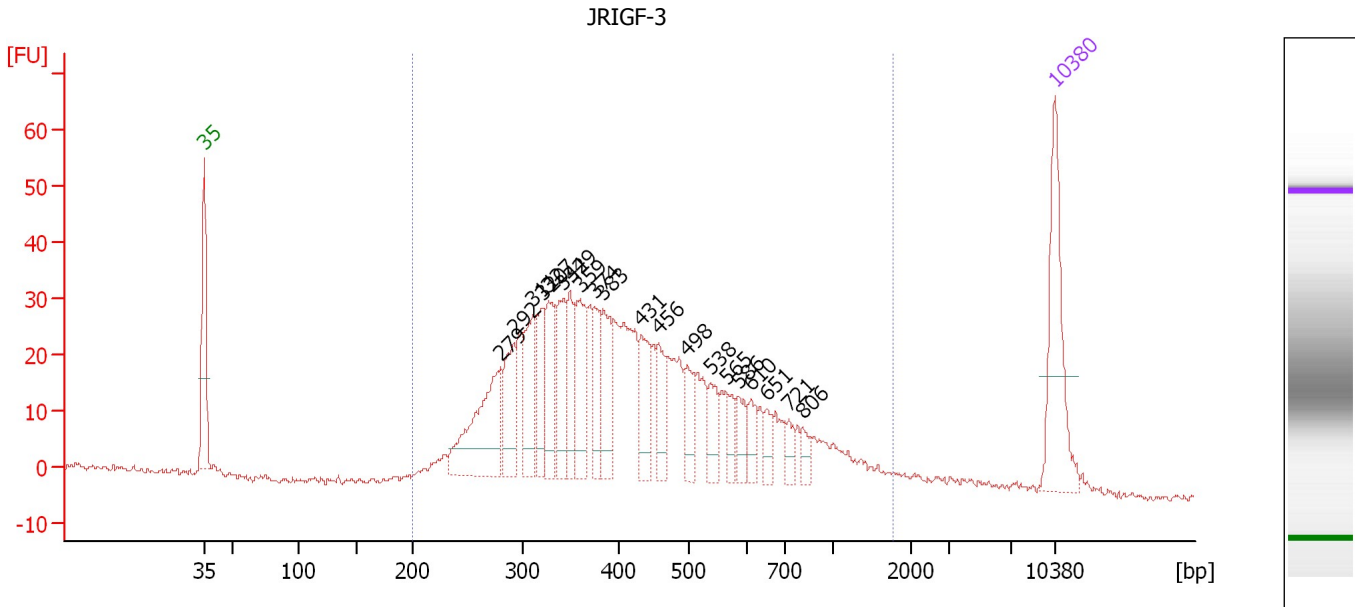
Region table for sample 2 : JRIGF-2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,585	547	11,424.3	3,295.83	2,934.5	95	44.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

Created: 2/28/2014 10:18:20 AM
 Modified: 2/28/2014 11:09:45 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : JRIGF-3

Number of peaks found: 20 Corr. Area 1: 902.7
 Noise: 0.6


Peak table for sample 3 : JRIGF-3

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	67.34	279	121.81	660.5	
3	68.48	292	59.18	307.2	
4	70.06	311	56.23	274.3	
5	70.85	320	47.65	225.3	
6	71.38	327	58.26	269.9	
7	72.56	342	60.02	266.0	
8	73.09	349	42.14	183.2	
9	73.92	359	71.62	302.3	
10	75.11	374	37.64	152.6	
11	75.81	383	53.35	211.3	
12	78.96	431	46.86	164.6	
13	80.37	456	33.61	111.7	
14	82.74	498	29.35	89.3	
15	84.67	538	27.28	76.9	
16	85.98	565	19.61	52.6	
17	86.95	586	20.87	54.0	
18	87.96	610	17.82	44.2	
19	89.23	651	14.56	33.9	
20	91.07	721	12.14	25.5	
21	92.21	806	10.56	19.8	
22	113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

Created: 2/28/2014 10:18:20 AM
Modified: 2/28/2014 11:09:45 AM

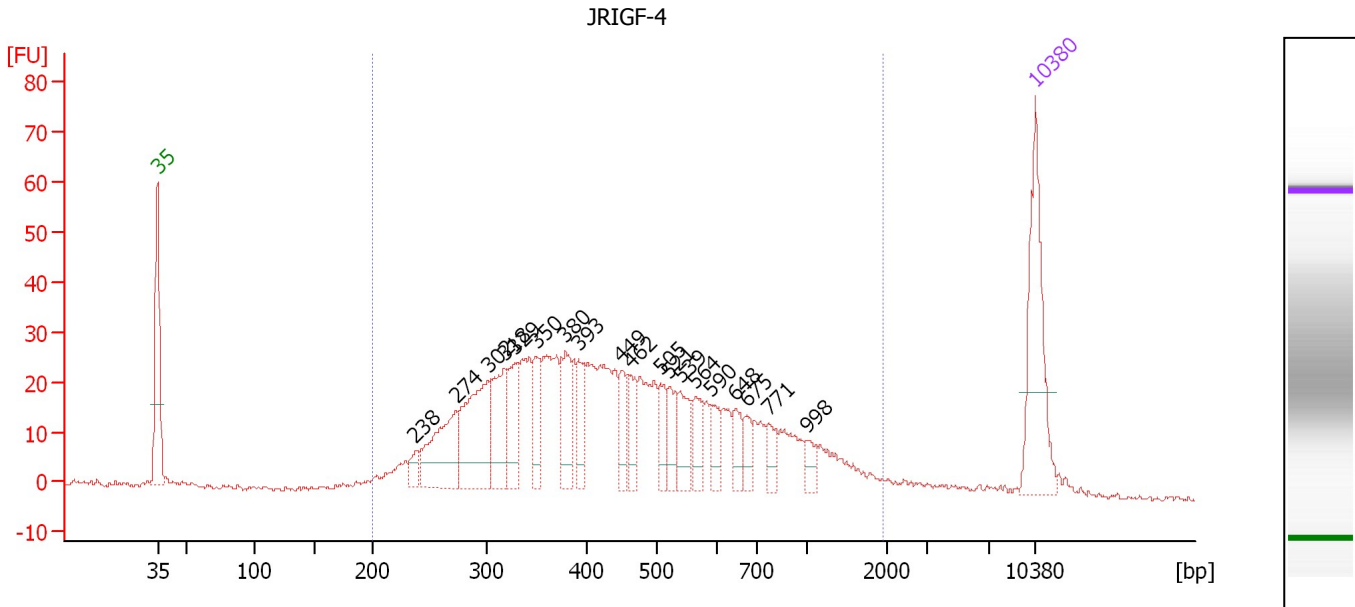
Electropherogram Summary Continued ...**... Region table for sample 3 : JRIGF-3**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,765	466	5,172.9	1,310.07	 902.7	96	48.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

Created: 2/28/2014 10:18:20 AM
 Modified: 2/28/2014 11:09:45 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : JRIGF-4

Number of peaks found: 19 Corr. Area 1: 871.6
 Noise: 0.7

Peak table for sample 4 : JRIGF-4

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	63.55	238	13.10	83.5	
3	66.81	274	78.86	436.7	
4	69.36	302	100.21	503.2	
5	70.65	318	58.01	276.4	
6	71.50	329	43.84	202.1	
7	73.20	350	33.21	143.8	
8	75.57	380	44.09	176.0	
9	76.59	393	25.41	98.1	
10	79.99	449	22.18	74.8	
11	80.70	462	21.13	69.3	
12	83.11	505	23.10	69.3	
13	83.87	521	23.11	67.2	
14	84.72	539	31.19	87.7	
15	85.93	564	23.19	62.3	
16	87.14	590	19.58	50.3	
17	89.15	648	16.95	39.6	
18	89.99	675	15.09	33.9	
19	91.74	771	13.49	26.5	
20	94.77	998	10.66	16.2	
21	113.00	10,380	75.00	10.9	Upper Marker

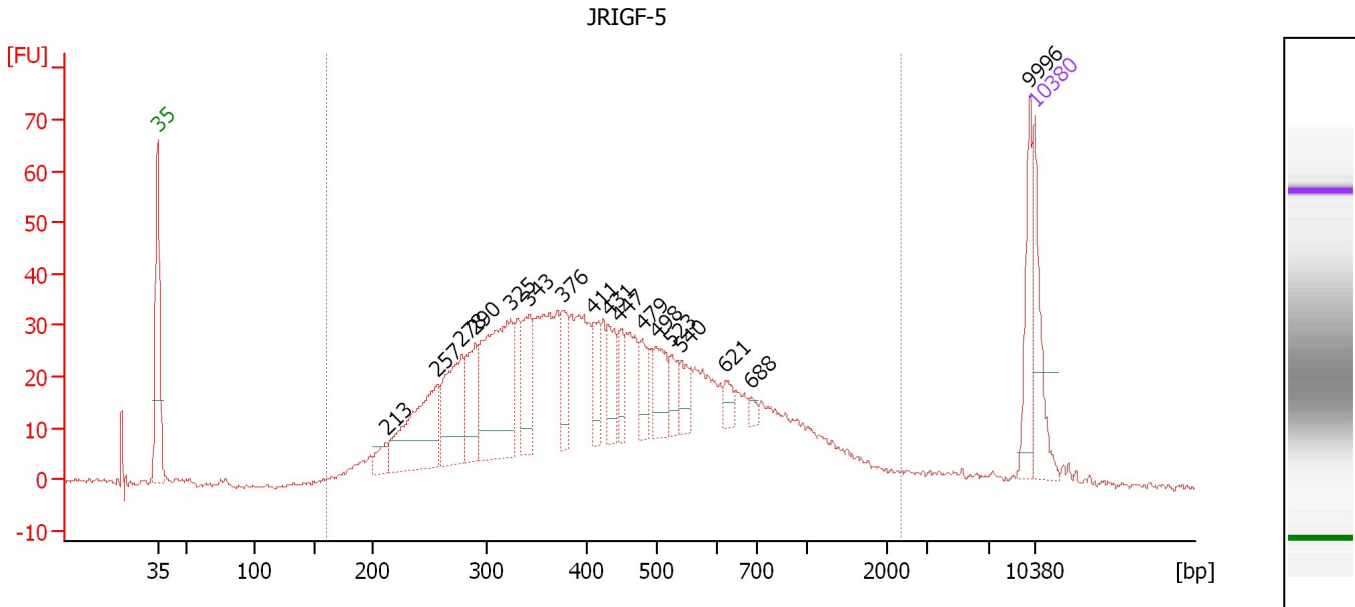
Region table for sample 4 : JRIGF-4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,960	509	4,256.5	1,113.88	871.6	96	54.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

Created: 2/28/2014 10:18:20 AM
 Modified: 2/28/2014 11:09:45 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : JRIGF-5

Number of peaks found: 17 Corr. Area 1: 1,151.7
 Noise: 0.4

Peak table for sample 5 : JRIGF-5

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	61.28	213	29.04	206.6	
3	65.31	257	193.62	1,140.9	
4	67.25	278	150.61	819.5	
5	68.34	290	92.13	480.8	
6	71.19	325	266.31	1,242.5	
7	72.68	343	91.14	402.0	
8	75.31	376	60.77	244.6	
9	77.80	411	47.61	175.7	
10	78.93	431	56.27	198.0	
11	79.88	447	38.77	131.3	
12	81.64	479	45.06	142.7	
13	82.77	498	62.47	189.9	
14	83.95	523	30.77	89.2	
15	84.76	540	35.01	98.3	
16	88.29	621	21.24	51.8	
17	90.42	688	9.65	21.2	
18	112.59	9,996	67.63	10.3	
19	113.00	10,380	75.00	10.9	Upper Marker

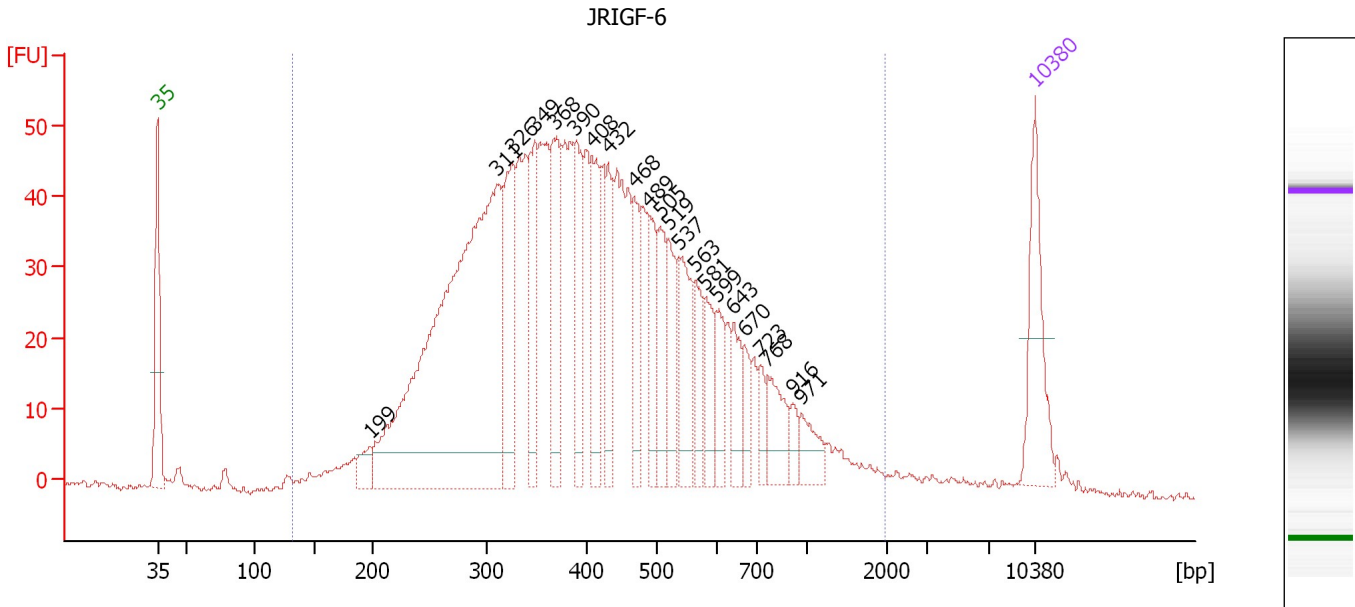
Region table for sample 5 : JRIGF-5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. for Area	% of Total	Size distribution in CV [%]
161	2,386	489	11,493.3	2,814.08	1,151.7	93	59.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

Created: 2/28/2014 10:18:20 AM
 Modified: 2/28/2014 11:09:45 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : JRIGF-6

Number of peaks found: 22 Corr. Area 1: 1,518.7
 Noise: 0.4

Peak table for sample 6 : JRIGF-6


Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	59.98	199	27.62	210.5	
3	70.06	311	792.15	3,864.5	
4	71.30	326	130.60	606.7	
5	73.10	349	101.03	439.0	
6	74.62	368	117.45	483.9	
7	76.37	390	81.23	315.8	
8	77.65	408	91.60	340.0	
9	78.99	432	66.32	232.8	
10	81.06	468	62.77	203.1	
11	82.26	489	57.43	177.8	
12	83.09	505	66.01	198.1	
13	83.78	519	60.33	176.1	
14	84.65	537	78.86	222.3	
15	85.85	563	44.42	119.6	
16	86.72	581	42.24	110.2	
17	87.60	599	38.18	96.5	
18	88.98	643	39.83	93.9	
19	89.85	670	24.98	56.5	
20	91.09	723	21.18	44.4	
21	91.69	768	46.25	91.3	
22	93.67	916	14.51	24.0	
23	94.41	971	27.85	43.5	
24	113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

Created: 2/28/2014 10:18:20 AM
Modified: 2/28/2014 11:09:45 AM

Electropherogram Summary Continued ...

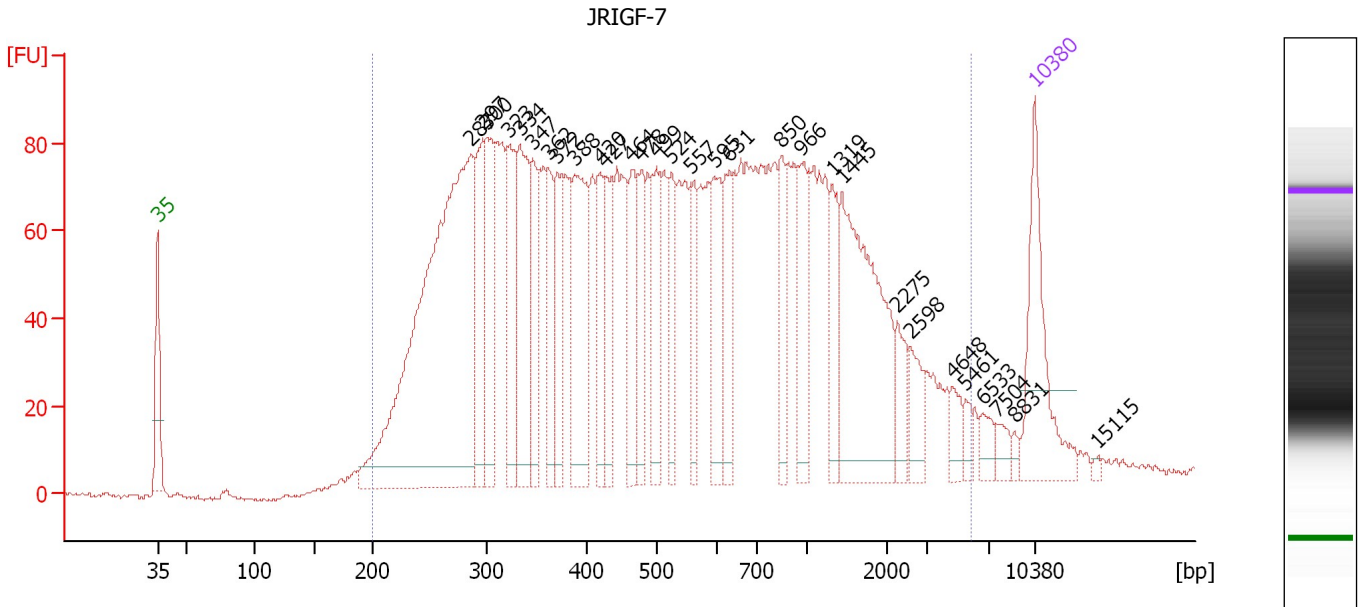
... Region table for sample 6 : JRIGF-6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
132	1,992	453	12,550.1	3,029.63	 1,518.7	98	49.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

Created: 2/28/2014 10:18:20 AM
 Modified: 2/28/2014 11:09:45 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : JRIGF-7

Number of peaks found: 30 Corr. Area 1: 3,574.0
 Noise: 0.5

Peak table for sample 7 : JRIGF-7

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	67.99	287	588.85	3,113.7	
3	68.93	297	91.53	467.2	
4	69.26	300	110.32	556.3	
5	71.04	323	91.13	427.7	
6	71.93	334	118.05	535.5	
7	72.96	347	62.74	274.0	
8	74.18	362	58.88	246.3	
9	74.93	372	57.07	232.7	
10	76.24	388	125.31	489.2	
11	78.30	420	52.69	190.2	
12	78.73	427	59.95	212.7	
13	80.84	464	58.81	191.9	
14	81.63	478	50.66	160.4	
15	82.81	499	61.50	186.7	
16	84.02	524	47.21	136.4	
17	85.57	557	43.85	119.3	
18	87.40	595	64.87	165.2	
19	88.62	631	55.69	133.7	
20	92.79	850	44.11	78.6	
21	94.34	966	52.15	81.8	
22	96.82	1,319	41.63	47.8	
23	97.62	1,445	173.29	181.7	
24	102.03	2,275	24.95	16.6	
25	103.06	2,598	22.41	13.1	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 7 : JRIGF-7

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	106.44	4,648	14.46	4.7	
27	107.47	5,461	8.88	2.5	
28	108.83	6,533	12.25	2.8	
29	109.95	7,504	9.73	2.0	
30	111.36	8,831	4.34	0.7	
31	113.00	10,380	75.00	10.9	Upper Marker
32	118.02	15,115	0.00	0.0	

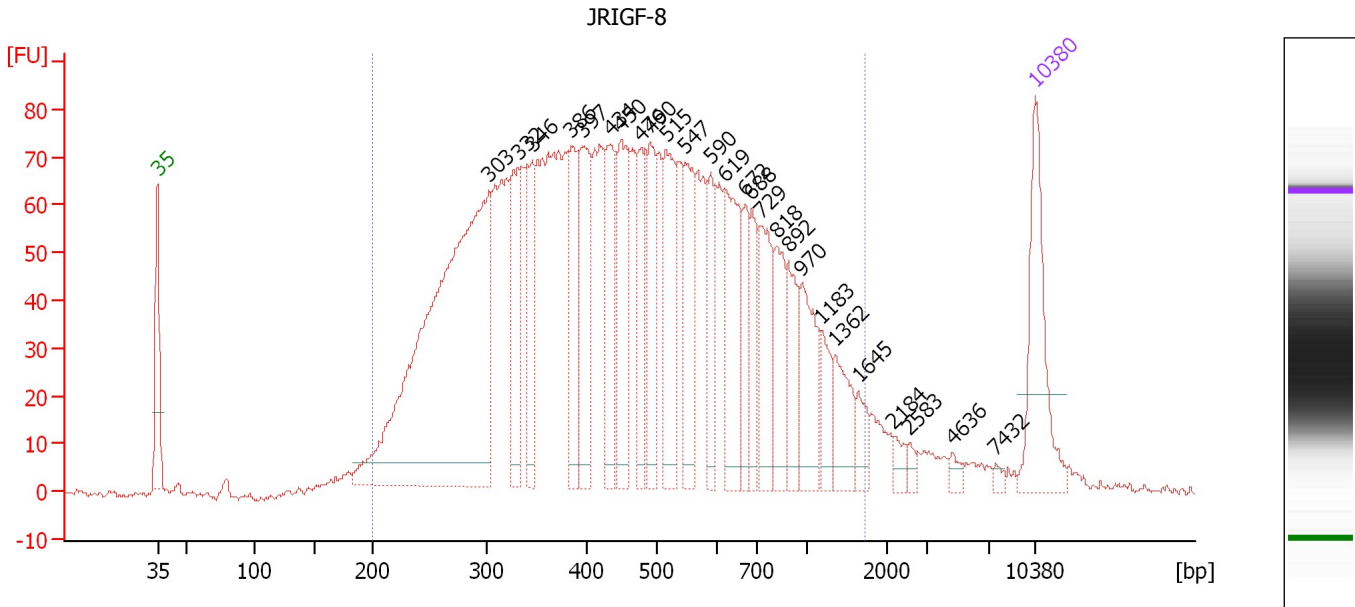
Region table for sample 7 : JRIGF-7

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	5,761	779	11,774.9	3,301.36	3,574.0	97	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : JRIGF-8

Number of peaks found: 26 Corr. Area 1: 2,774.3
 Noise: 0.7

Peak table for sample 8 : JRIGF-8

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	69.46	303	604.39	3,022.3	
3	71.78	332	90.04	410.8	
4	72.91	346	79.33	347.0	
5	76.04	386	80.95	318.1	
6	76.94	397	97.37	371.8	
7	79.11	434	85.71	299.3	
8	80.01	450	89.59	301.8	
9	81.53	476	65.01	206.7	
10	82.28	490	68.94	213.2	
11	83.56	515	90.02	265.0	
12	85.12	547	79.14	219.1	
13	87.16	590	47.49	121.9	
14	88.25	619	94.43	231.0	
15	89.90	672	39.86	89.9	
16	90.42	688	41.52	91.4	
17	91.18	729	68.73	142.8	
18	92.36	818	50.75	94.0	
19	93.36	892	42.03	71.4	
20	94.40	970	57.27	89.4	
21	95.96	1,183	27.15	34.8	
22	97.10	1,362	38.01	42.3	
23	98.90	1,645	17.30	15.9	
24	101.74	2,184	8.72	6.1	
25	103.01	2,583	5.34	3.1	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 8 : JRIGF-8

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
26	106.42	4,636	5.79	1.9	
27	109.88	7,432	3.74	0.8	
28	113.00	10,380	75.00	10.9	Upper Marker

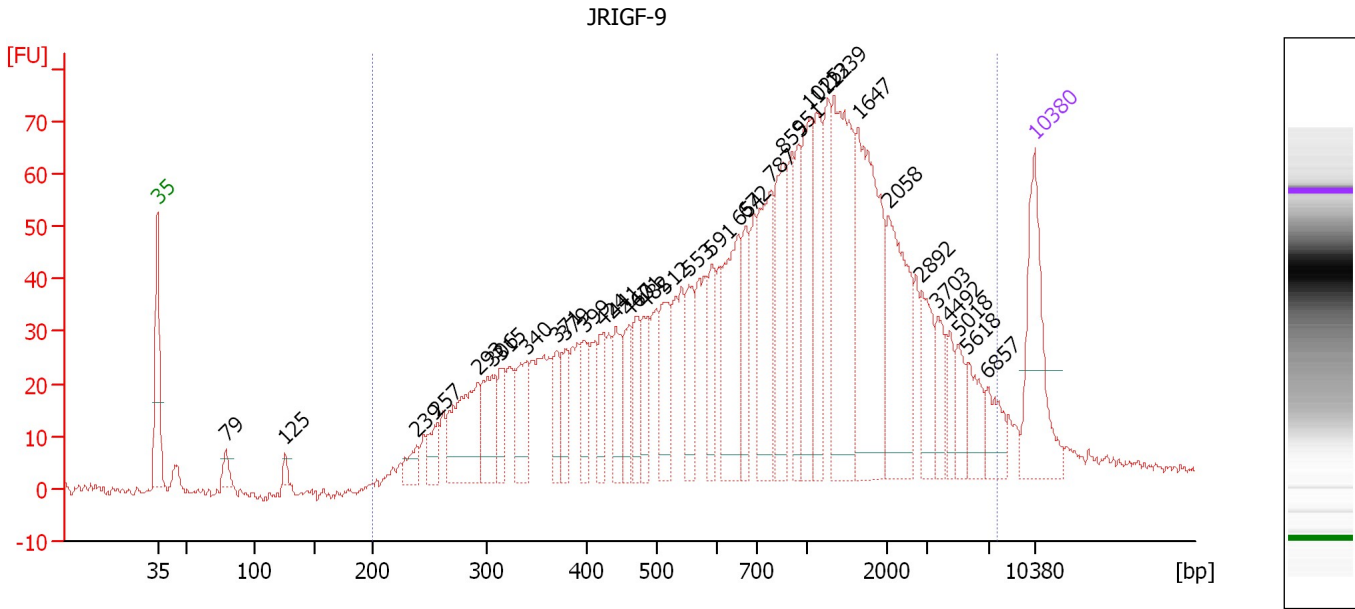
Region table for sample 8 : JRIGF-8

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,739	520	11,113.0	2,923.31	2,774.3	94	52.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : JRIGF-9

Number of peaks found: 35 Corr. Area 1: 1,908.2
 Noise: 1.0

Peak table for sample 9 : JRIGF-9

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	48.48	79	14.65	281.5	
3	53.19	125	7.84	94.7	
4	63.67	239	20.31	128.7	
5	65.29	257	22.45	132.4	
6	68.57	293	98.36	508.8	
7	69.67	306	51.27	254.2	
8	70.38	315	28.15	135.6	
9	72.38	340	47.10	210.1	
10	74.86	371	32.48	132.8	
11	75.48	379	30.40	121.7	
12	77.10	399	28.89	109.8	
13	78.52	424	29.40	105.2	
14	79.52	441	38.77	133.2	
15	80.62	460	32.16	105.8	
16	81.19	471	31.57	101.6	
17	81.86	482	34.09	107.1	
18	83.43	512	48.46	143.4	
19	85.38	553	44.05	120.7	
20	87.19	591	35.05	89.9	
21	89.33	654	95.12	220.4	
22	89.90	672	44.26	99.8	
23	91.95	787	90.66	174.5	
24	92.86	855	74.76	132.5	
25	94.14	951	47.22	75.2	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 9 : JRIGF-9

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	94.95	1,025	74.94	110.8	
27	95.57	1,122	60.55	81.8	
28	96.95	1,339	145.32	164.4	
29	98.90	1,647	146.06	134.4	
30	101.33	2,058	94.58	69.6	
31	104.00	2,892	36.25	19.0	
32	105.24	3,703	25.07	10.3	
33	106.24	4,492	16.74	5.6	
34	106.90	5,018	20.24	6.1	
35	107.67	5,618	27.38	7.4	
36	109.24	6,857	23.07	5.1	
37	113.00	10,380	75.00	10.9	Upper Marker

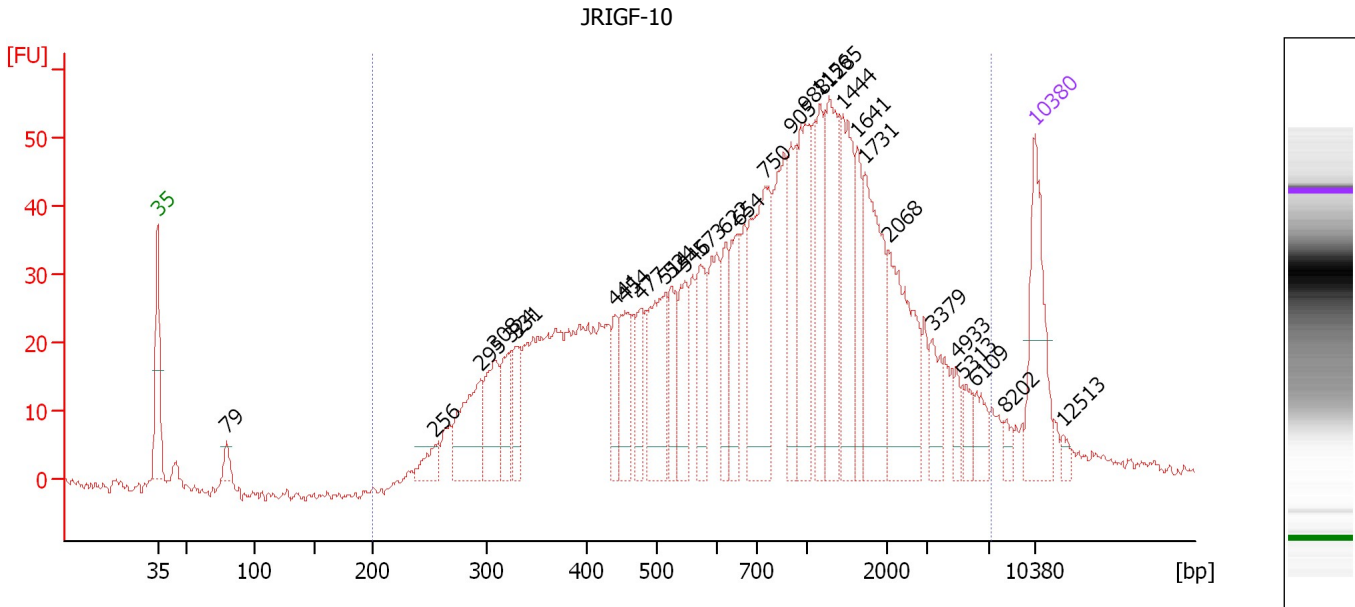
Region table for sample 9 : JRIGF-9

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	7,615	1,294	5,836.6	2,284.71	1,908.2	97	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : JRIGF-10

Number of peaks found: 30 Corr. Area 1: 1,443.2
 Noise: 0.8

Peak table for sample 10 : JRIGF-10

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	48.53	79	15.08	287.9	
3	65.16	256	23.13	137.1	
4	68.77	295	85.09	436.9	
5	69.88	308	62.02	304.8	
6	71.13	324	43.97	205.7	
7	71.65	331	41.34	189.5	
8	79.54	441	33.90	116.3	
9	80.26	454	47.90	159.8	
10	81.56	477	37.06	117.7	
11	83.53	514	91.57	269.9	
12	84.01	524	42.07	121.6	
13	85.07	546	49.99	138.7	
14	86.37	573	55.31	146.1	
15	88.34	622	42.93	104.5	
16	89.35	654	54.63	126.5	
17	91.46	750	146.62	296.1	
18	93.53	905	59.21	99.1	
19	94.63	988	87.64	134.4	
20	95.79	1,156	60.29	79.0	
21	96.61	1,285	99.11	116.9	
22	97.62	1,444	90.36	94.8	
23	98.87	1,641	41.45	38.3	
24	99.44	1,731	103.09	90.2	
25	101.37	2,068	100.63	73.7	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

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Electropherogram Summary Continued ...

... Peak table for sample 10 : JRIGF-10

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	104.83	3,379	28.09	12.6	
27	106.80	4,933	12.19	3.7	
28	107.28	5,313	14.81	4.2	
29	108.29	6,109	18.05	4.5	
30	110.69	8,202	7.89	1.5	
31	113.00	10,380	75.00	10.9	Upper Marker
32	115.26	12,513	0.00	0.0	

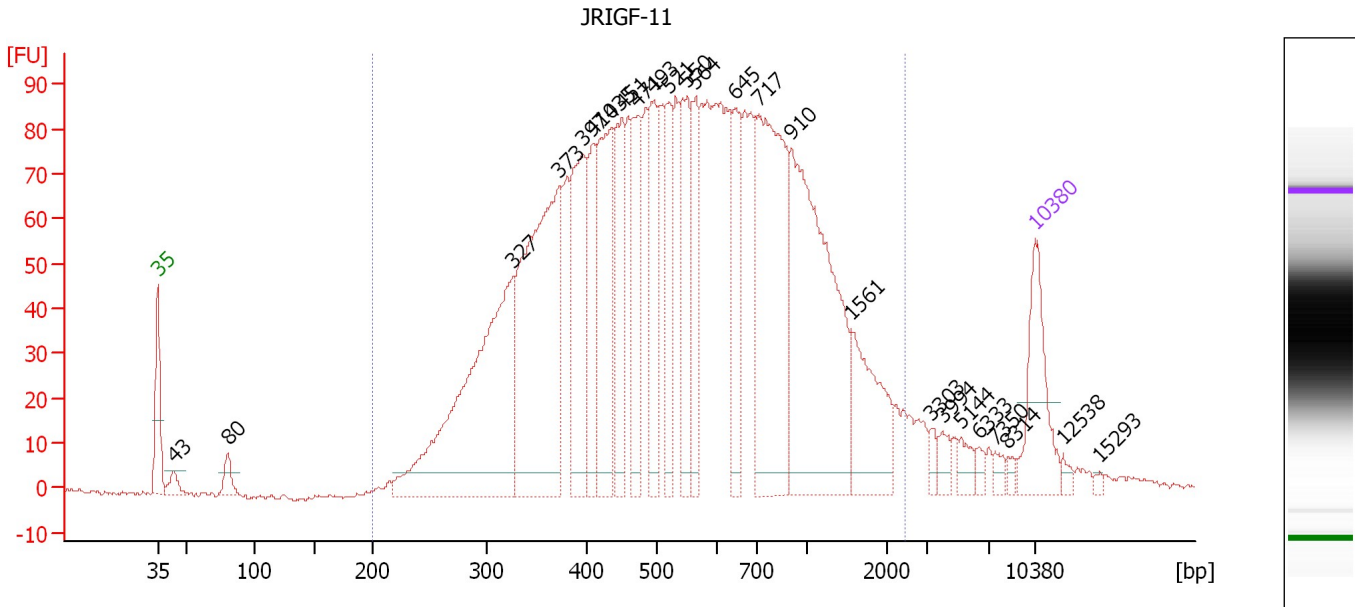
Region table for sample 10 : JRIGF-10

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	7,163	1,188	6,090.0	2,368.70	1,443.2	95	97.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : JRIGF-11

Number of peaks found: 25 Corr. Area 1: 2,791.4
 Noise: 0.5

Peak table for sample 11 : JRIGF-11

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	44.26	43	18.52	648.8	
3	48.59	80	22.88	433.7	
4	71.36	327	430.02	1,993.3	
5	75.06	373	396.86	1,611.0	
6	76.95	397	166.21	634.3	
7	77.78	410	94.88	350.2	
8	79.19	435	180.31	627.6	
9	80.07	451	118.07	396.9	
10	81.23	471	111.94	359.8	
11	82.45	493	113.79	349.9	
12	83.86	521	83.85	243.8	
13	85.22	550	111.79	308.2	
14	85.90	564	85.17	228.9	
15	89.07	645	90.57	212.6	
16	91.01	717	294.61	622.8	
17	93.59	910	345.87	576.0	
18	98.36	1,561	96.85	94.0	
19	104.73	3,303	8.98	4.1	
20	105.61	3,994	12.71	4.8	
21	107.07	5,144	14.20	4.2	
22	108.57	6,333	7.33	1.8	
23	109.79	7,350	7.49	1.5	
24	110.81	8,314	5.05	0.9	
25	113.00	10,380	75.00	10.9	Upper Marker


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

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Electropherogram Summary Continued ...**... Peak table for sample 11 : JRIGF-11**

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
26	115.29	12,538	0.00	0.0	
27	118.21	15,293	0.00	0.0	

Region table for sample 11 : JRIGF-11

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	2,470	648	11,043.3	3,509.35	 2,791.4	95	58.6

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-28\2014-02-28_001.xad

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Gel Image

