

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-27\2016-04-27_003.xad

Created: 4/27/2016 3:18:45 PM
Modified: 4/27/2016 3:59:15 PM

Electrophoresis File Run Summary

Instrument Information:

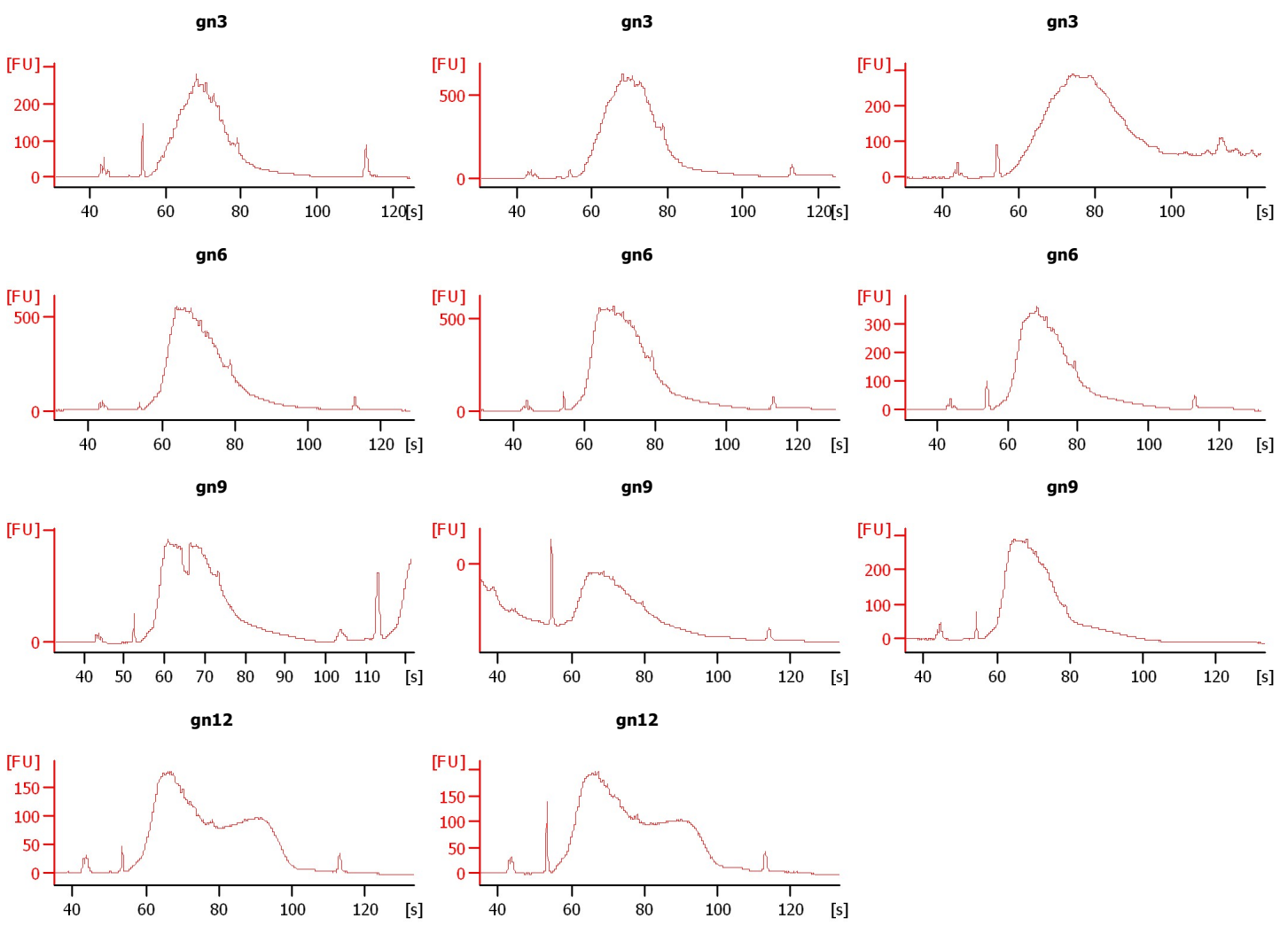
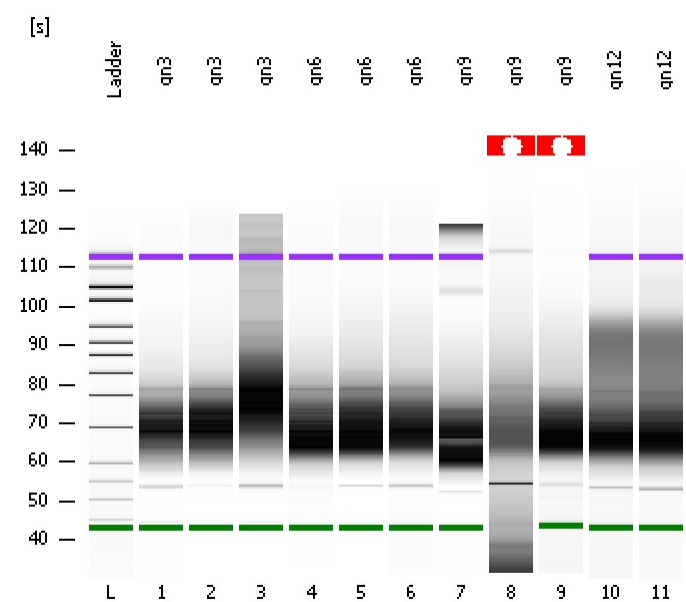
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
gn3		<input type="checkbox"/>	✓			
gn3		<input type="checkbox"/>	✓			
gn3		<input type="checkbox"/>	✓			
gn6		<input type="checkbox"/>	✓			
gn6		<input type="checkbox"/>	✓			
gn6		<input type="checkbox"/>	✓			
gn9		<input type="checkbox"/>	✓			
gn9		<input type="checkbox"/>	✓			
gn9		<input type="checkbox"/>	✓			
gn12		<input type="checkbox"/>	✓			
gn12		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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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

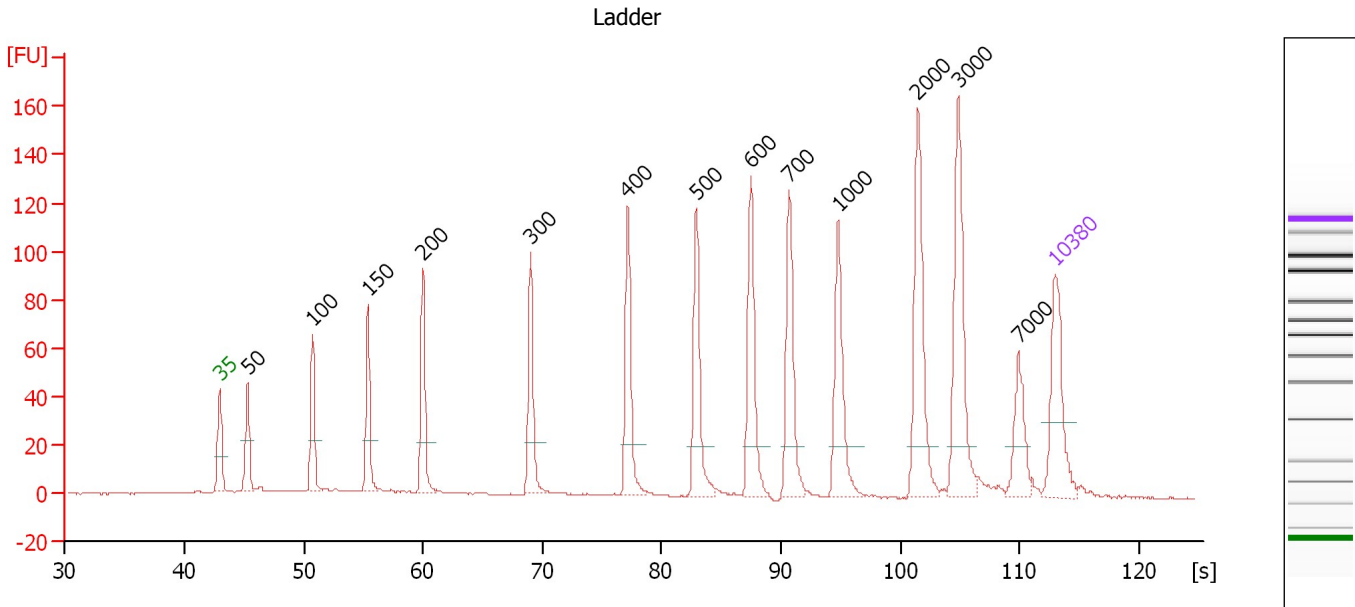
Ladder

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

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

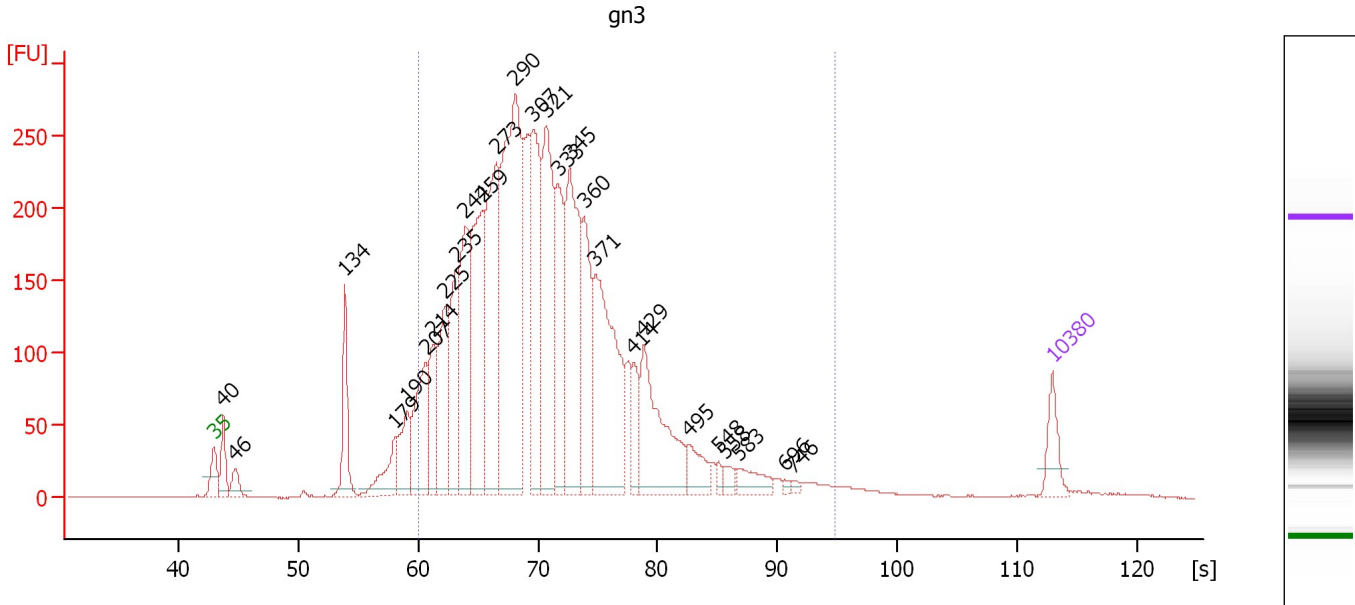
Peak table for Ladder

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	45.32
3	100	150.00	2,272.7	Ladder Peak	50.75
4	150	150.00	1,515.2	Ladder Peak	55.39
5	200	150.00	1,136.4	Ladder Peak	60.02
6	300	150.00	757.6	Ladder Peak	69.02
7	400	150.00	568.2	Ladder Peak	77.18
8	500	150.00	454.5	Ladder Peak	82.92
9	600	150.00	378.8	Ladder Peak	87.51
10	700	150.00	324.7	Ladder Peak	90.72
11	1,000	150.00	227.3	Ladder Peak	94.82
12	2,000	150.00	113.6	Ladder Peak	101.50
13	3,000	150.00	75.8	Ladder Peak	104.89
14	7,000	150.00	32.5	Ladder Peak	109.93
15	10,380	75.00	10.9	Upper Marker	113.00

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Electropherogram Summary Continued ...



Overall Results for sample 1 : gn3

Number of peaks found: 27 Corr. Area 1: 5,513.3
 Noise: 0.3

Peak table for sample 1 : gn3

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	40	130.39	4,953.7		43.75
3	46	74.60	2,431.4		44.77
4	134	244.89	2,767.1		53.91
5	179	164.25	1,389.7		58.08
6	190	178.27	1,420.9		59.10
7	207	330.72	2,420.2		60.66
8	214	241.94	1,713.4		61.28
9	225	330.16	2,220.5		62.30
10	235	313.99	2,023.2		63.18
11	244	500.04	3,104.9		63.98
12	259	566.36	3,309.5		65.36
13	273	743.14	4,130.5		66.56
14	290	1,193.68	6,229.3		68.15
15	307	546.93	2,701.5		69.57
16	321	629.08	2,970.4		70.72
17	333	373.98	1,699.5		71.75
18	345	614.11	2,698.4		72.68
19	360	356.91	1,501.9		73.92
20	371	656.04	2,679.7		74.81
21	414	110.04	402.4		78.00
22	429	415.66	1,468.0		78.84
23	495	99.94	306.1		82.61
24	548	19.82	54.8		85.14
25	558	28.31	76.9		85.59

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Electropherogram Summary Continued ...

... Peak table for sample 1 : gn3

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	583	66.84	173.7		86.74
27	696	9.14	19.9		90.60
28	746	10.40	21.1		91.35
29	10,380	75.00	10.9	Upper Marker	113.00

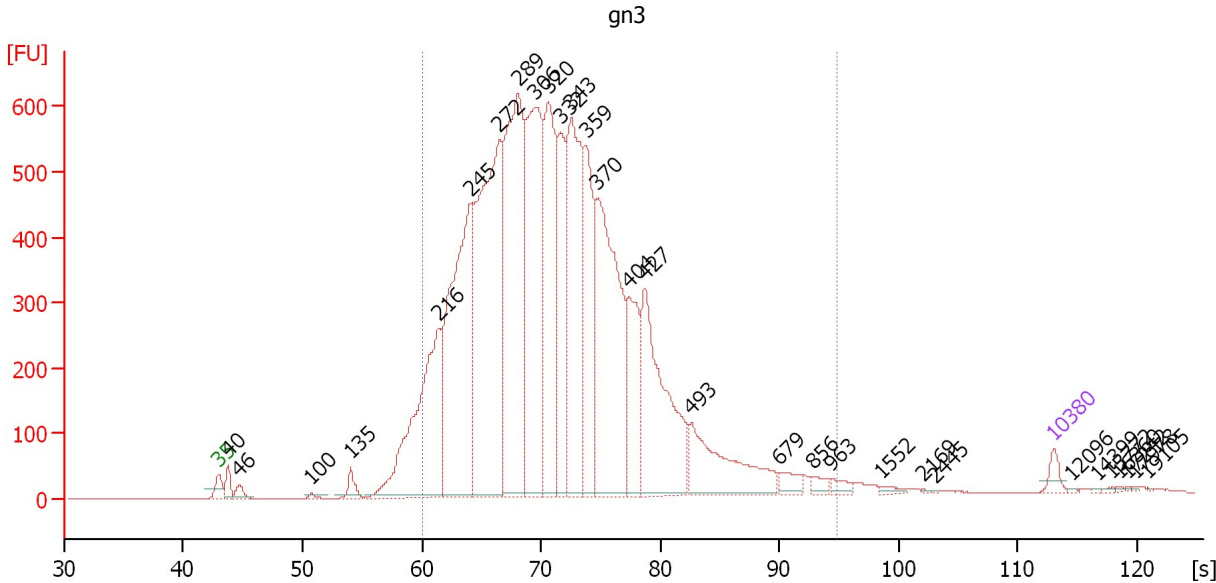
Region table for sample 1 : gn3

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
200	1,000	332	5,513.3	43,624.2	8,748.60	91	30.0

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Electropherogram Summary Continued ...



Overall Results for sample 2 : gn3

Number of peaks found: 30 Corr. Area 1: 13,878.5
 Noise: 0.3

Peak table for sample 2 : gn3

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	40	164.77	6,255.8		43.76
3	46	117.21	3,863.4		44.69
4	100	38.35	580.7		50.76
5	135	153.64	1,722.2		54.01
6	216	2,555.21	17,926.0		61.46
7	245	3,460.49	21,383.3		64.09
8	272	4,184.07	23,269.0		66.54
9	289	3,565.08	18,672.3		68.06
10	306	2,791.29	13,811.2		69.53
11	320	2,115.44	10,019.8		70.64
12	332	1,158.19	5,278.3		71.67
13	343	2,338.00	10,332.2		72.52
14	359	1,358.08	5,736.4		73.81
15	370	2,673.20	10,957.2		74.70
16	404	860.31	3,224.4		77.42
17	427	1,851.12	6,572.3		78.71
18	493	1,022.46	3,139.4		82.55
19	679	133.97	299.1		90.04
20	856	69.04	122.3		92.85
21	963	69.81	109.8		94.32
22	1,552	33.35	32.6		98.51
23	2,169	7.01	4.9		102.08
24	2,445	3.78	2.3		103.01
25	10,380	75.00	10.9	Upper Marker	113.00

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Electropherogram Summary Continued ...

... Peak table for sample 2 : gn3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	12,096	0.00	0.0		114.56
27	14,399	0.00	0.0		116.66
28	15,772	0.00	0.0		117.90
29	16,360	0.00	0.0		118.44
30	17,242	0.00	0.0		119.24
31	17,978	0.00	0.0		119.91
32	19,105	0.00	0.0		120.94

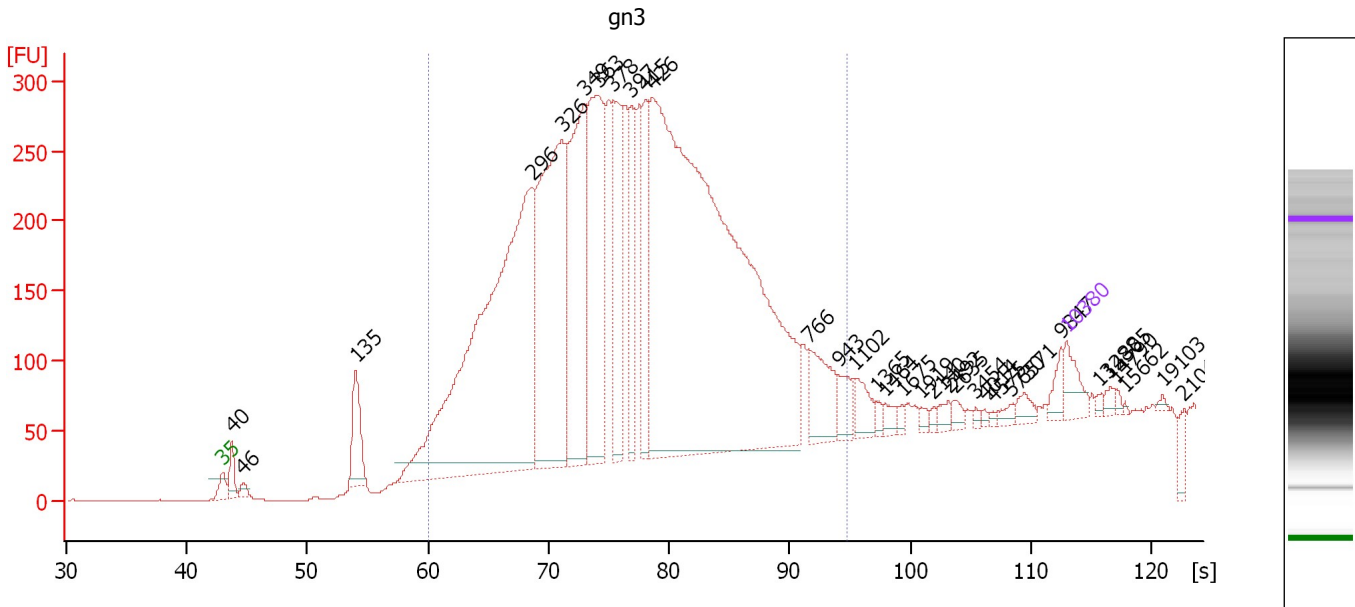
Region table for sample 2 : gn3

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	337	13,878.5	142,546.8	29,026.56	95	29.5

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Electropherogram Summary Continued ...



Overall Results for sample 3 : gn3

Number of peaks found: 33 Corr. Area 1: 7,400.6
 Noise: 0.3

Peak table for sample 3 : gn3

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	40	107.37	4,082.0		43.75
3	46	34.04	1,118.1		44.72
4	135	264.46	2,962.6		54.02
5	296	2,797.16	14,321.6		68.65
6	326	1,404.15	6,530.5		71.12
7	349	980.14	4,254.9		73.02
8	363	857.25	3,577.4		74.16
9	378	468.71	1,877.7		75.40
10	397	302.70	1,156.4		76.90
11	415	323.19	1,179.6		78.04
12	426	4,187.65	14,899.6		78.66
13	766	223.85	442.9		91.62
14	943	78.15	125.5		94.05
15	1,102	82.97	114.1		95.50
16	1,365	18.53	20.6		97.26
17	1,464	33.09	34.2		97.92
18	1,675	14.82	13.4		99.34
19	1,919	17.22	13.6		100.97
20	2,140	11.32	8.0		101.98
21	2,492	25.76	15.7		103.17
22	2,635	23.61	13.6		103.65
23	3,454	9.06	4.0		105.46
24	4,014	7.49	2.8		106.17
25	4,575	7.03	2.3		106.87

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Electropherogram Summary Continued ...

... Peak table for sample 3 : gn3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	5,730	19.12	5.1		108.33
27	6,571	34.92	8.1		109.39
28	9,847	46.37	7.1		112.52
29	10,380	75.00	10.9	Upper Marker	113.00
30	13,288	0.00	0.0		115.64
31	14,305	0.00	0.0		116.57
32	14,790	0.00	0.0		117.01
33	15,662	0.00	0.0		117.80
34	19,103	0.00	0.0		120.93
35	21,041	0.00	0.0		122.70

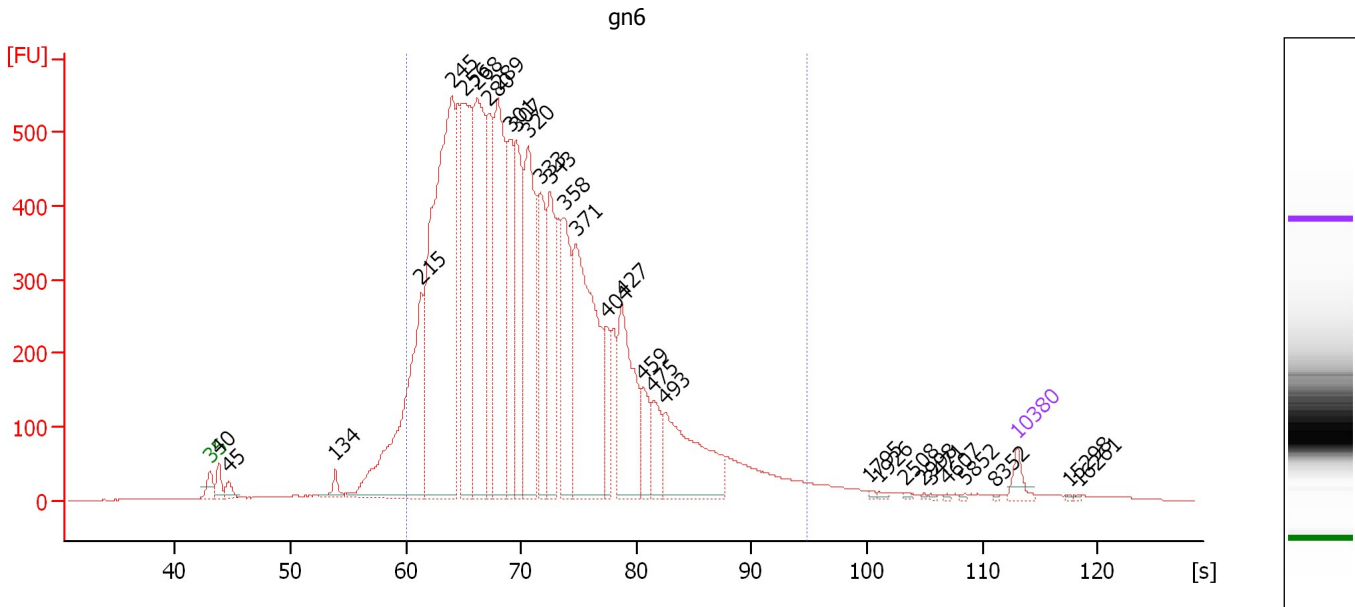
Region table for sample 3 : gn3

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	419	7,400.6	49,913.0	12,048.25	93	33.0

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Electropherogram Summary Continued ...



Overall Results for sample 4 : gn6

Number of peaks found: 31 Corr. Area 1: 12,741.0
 Noise: 0.4

Peak table for sample 4 : gn6

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	40	133.89	5,062.0		43.78
3	45	91.14	3,038.4		44.61
4	134	107.55	1,218.2		53.88
5	215	1,995.39	14,075.0		61.35
6	245	3,921.48	24,299.6		64.03
7	256	1,736.44	10,285.8		65.04
8	268	1,825.54	10,317.6		66.15
9	280	900.80	4,876.8		67.21
10	289	1,744.69	9,160.4		67.99
11	301	799.04	4,022.6		69.10
12	307	1,054.51	5,210.8		69.56
13	320	1,351.26	6,405.5		70.62
14	333	760.60	3,458.7		71.73
15	343	863.57	3,816.8		72.51
16	358	803.10	3,398.2		73.76
17	371	1,856.41	7,591.3		74.77
18	404	301.86	1,132.3		77.40
19	427	879.00	3,117.7		78.74
20	459	274.25	904.8		80.58
21	475	261.97	835.1		81.50
22	493	890.48	2,736.9		82.52
23	1,795	10.52	8.9		100.13
24	1,926	11.89	9.4		101.01
25	2,508	9.42	5.7		103.22

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Electropherogram Summary Continued ...

... Peak table for sample 4 : gn6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,998	5.77	2.9		104.88
27	3,471	7.71	3.4		105.48
28	4,607	5.53	1.8		106.91
29	5,852	7.66	2.0		108.48
30	8,352	5.05	0.9		111.16
31	10,380	75.00	10.9	Upper Marker	113.00
32	15,298	0.00	0.0		117.47
33	16,261	0.00	0.0		118.35

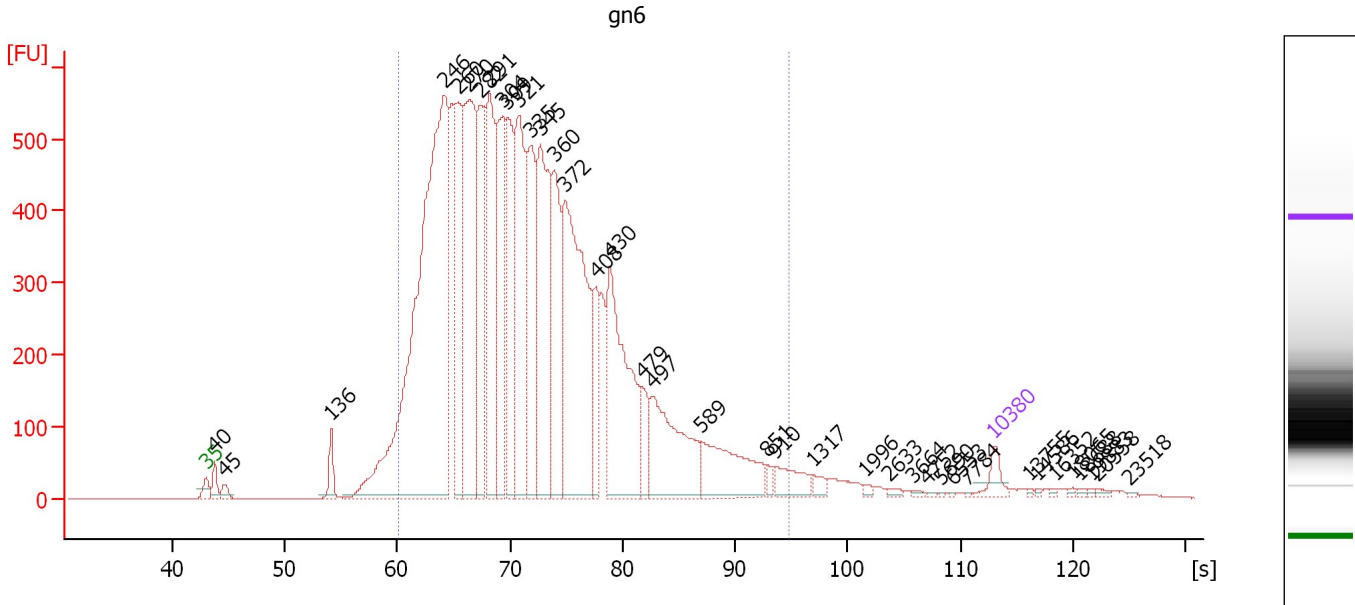
Region table for sample 4 : gn6

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	336	12,741.0	117,351.1	23,377.55	93	33.1

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Electropherogram Summary Continued ...



Overall Results for sample 5 : gn6

Number of peaks found: 38 Corr. Area 1: 13,880.8
 Noise: 0.3

Peak table for sample 5 : gn6

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	40	117.98	4,480.9		43.76
3	45	64.30	2,146.1		44.61
4	136	143.51	1,597.5		54.10
5	246	4,735.05	29,164.8		64.16
6	260	1,107.72	6,464.3		65.39
7	270	1,650.58	9,258.0		66.33
8	282	979.38	5,268.1		67.37
9	291	1,194.99	6,219.3		68.22
10	304	956.54	4,774.9		69.31
11	309	878.09	4,301.2		69.78
12	321	1,148.79	5,414.3		70.77
13	335	906.22	4,094.0		71.91
14	345	1,217.75	5,344.4		72.71
15	360	813.12	3,424.9		73.89
16	372	1,856.87	7,565.5		74.88
17	408	318.73	1,184.3		77.62
18	430	1,186.25	4,180.3		78.90
19	479	190.00	600.7		81.73
20	497	769.53	2,348.3		82.72
21	589	520.43	1,338.1		87.02
22	851	36.43	64.9		92.78
23	910	154.59	257.5		93.59
24	1,317	45.63	52.5		96.94
25	1,996	13.65	10.4		101.48

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Electropherogram Summary Continued ...

... Peak table for sample 5 : gn6

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,633	16.24	9.3		103.65
27	3,664	10.55	4.4		105.73
28	4,752	5.66	1.8		107.10
29	5,690	3.82	1.0		108.28
30	6,553	3.68	0.9		109.36
31	7,784	3.96	0.8		110.64
32	10,380	75.00	10.9	Upper Marker	113.00
33	13,755	0.00	0.0		116.07
34	14,586	0.00	0.0		116.83
35	16,352	0.00	0.0		118.43
36	18,065	0.00	0.0		119.99
37	18,688	0.00	0.0		120.56
38	19,883	0.00	0.0		121.64
39	20,558	0.00	0.0		122.26
40	23,518	0.00	0.0		124.95

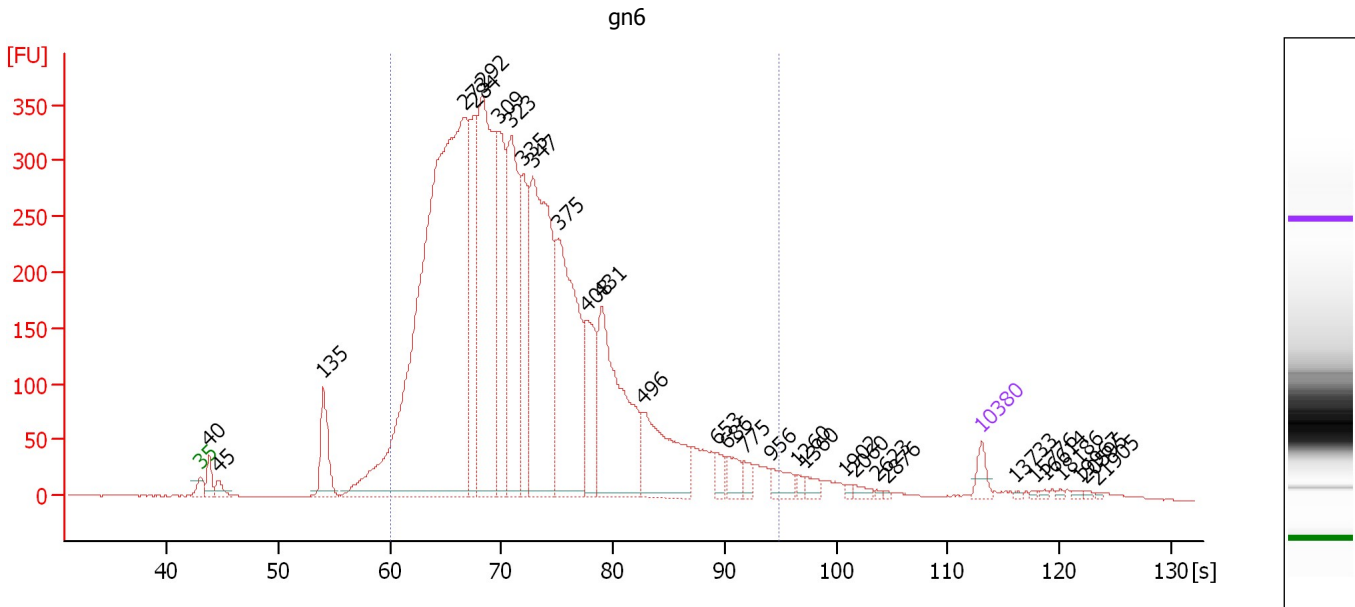
Region table for sample 5 : gn6

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
200	1,000	346	13,880.8	103,653.8	21,136.12	94	33.9

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Electropherogram Summary Continued ...



Overall Results for sample 6 : gn6

Number of peaks found: 31 Corr. Area 1: 7,944.4
 Noise: 0.3

Peak table for sample 6 : gn6

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	40	153.32	5,772.2		43.81
3	45	88.91	2,961.4		44.62
4	135	463.08	5,212.7		53.96
5	273	6,917.84	38,325.9		66.64
6	284	843.64	4,508.1		67.54
7	292	2,481.81	12,877.1		68.30
8	309	983.11	4,825.0		69.73
9	323	1,392.97	6,539.5		70.88
10	335	770.39	3,484.2		71.88
11	347	2,123.08	9,278.2		72.83
12	375	1,665.40	6,722.8		75.16
13	408	538.93	2,000.8		77.64
14	431	1,313.15	4,612.7		78.98
15	496	710.97	2,171.8		82.69
16	653	81.69	189.5		89.22
17	686	115.31	254.7		90.27
18	775	67.49	131.9		91.75
19	956	107.97	171.0		94.23
20	1,260	28.46	34.2		96.56
21	1,360	49.63	55.3		97.23
22	1,902	13.37	10.7		100.85
23	2,060	31.20	22.9		101.71
24	2,623	7.89	4.6		103.61
25	2,876	7.33	3.9		104.47

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-27\2016-04-27_003.xad

Created: 4/27/2016 3:18:45 PM
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Electropherogram Summary Continued ...

... Peak table for sample 6 : gn6

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	13,733	0.00	0.0		116.05
28	15,776	0.00	0.0		117.91
29	16,614	0.00	0.0		118.67
30	18,186	0.00	0.0		120.10
31	19,967	0.00	0.0		121.72
32	20,595	0.00	0.0		122.29
33	21,905	0.00	0.0		123.48

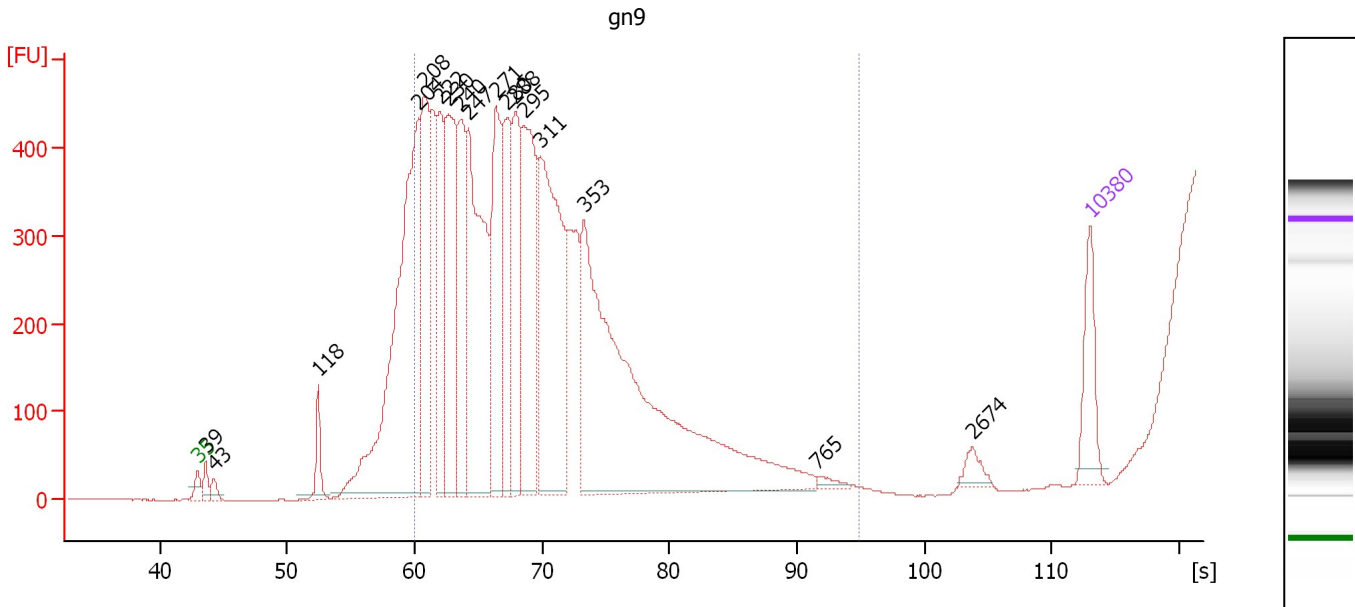
Region table for sample 6 : gn6

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	350	7,944.4	98,600.6	20,358.96	93	34.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-27\2016-04-27_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : gn9

Number of peaks found: 17 Corr. Area 1: 6,065.4
 Noise: 0.3

Peak table for sample 7 : gn9

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	39	29.58	1,147.7		43.63
3	43	21.74	764.4		44.25
4	118	60.86	778.4		52.46
5	204	874.88	6,511.2		60.34
6	208	341.33	2,483.8		60.76
7	222	223.18	1,522.4		62.01
8	230	372.18	2,456.9		62.68
9	240	252.84	1,598.1		63.60
10	247	523.52	3,215.8		64.22
11	271	298.58	1,668.0		66.43
12	280	228.56	1,234.7		67.26
13	288	238.50	1,255.2		67.93
14	295	372.86	1,913.1		68.60
15	311	560.83	2,730.8		69.93
16	353	1,051.96	4,520.5		73.31
17	765	11.98	23.7		91.61
18	2,674	19.64	11.1		103.79
19	10,380	75.00	10.9	Upper Marker	113.00

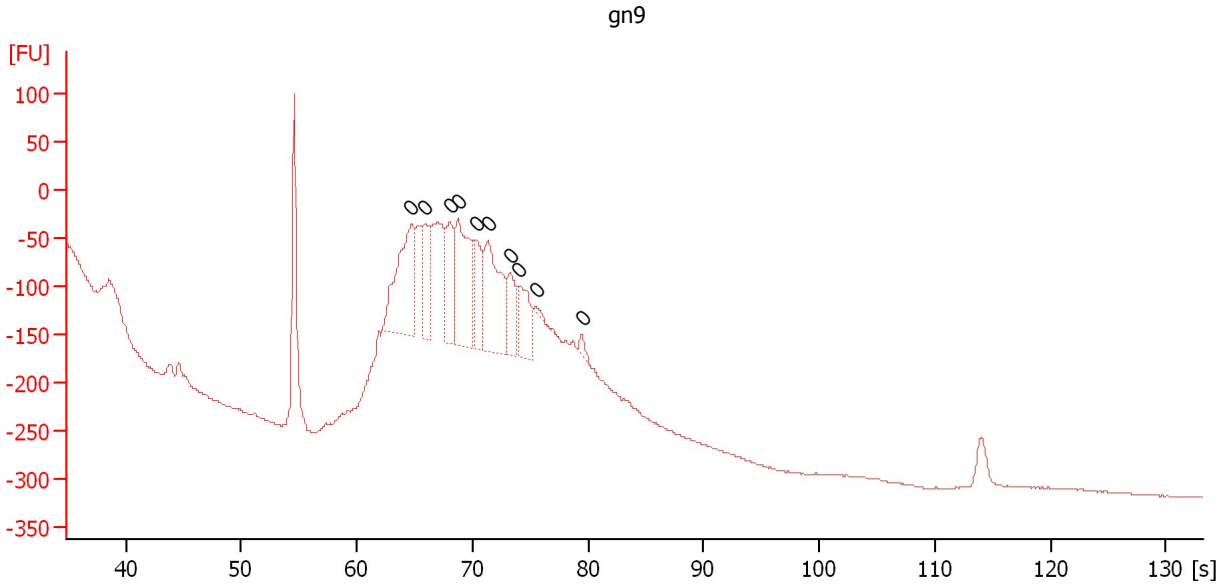
Region table for sample 7 : gn9

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	270	6,065.4	16,311.9	2,831.31	89	17.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-27\2016-04-27_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : gn9

Number of peaks found: 0 Noise: 0.7

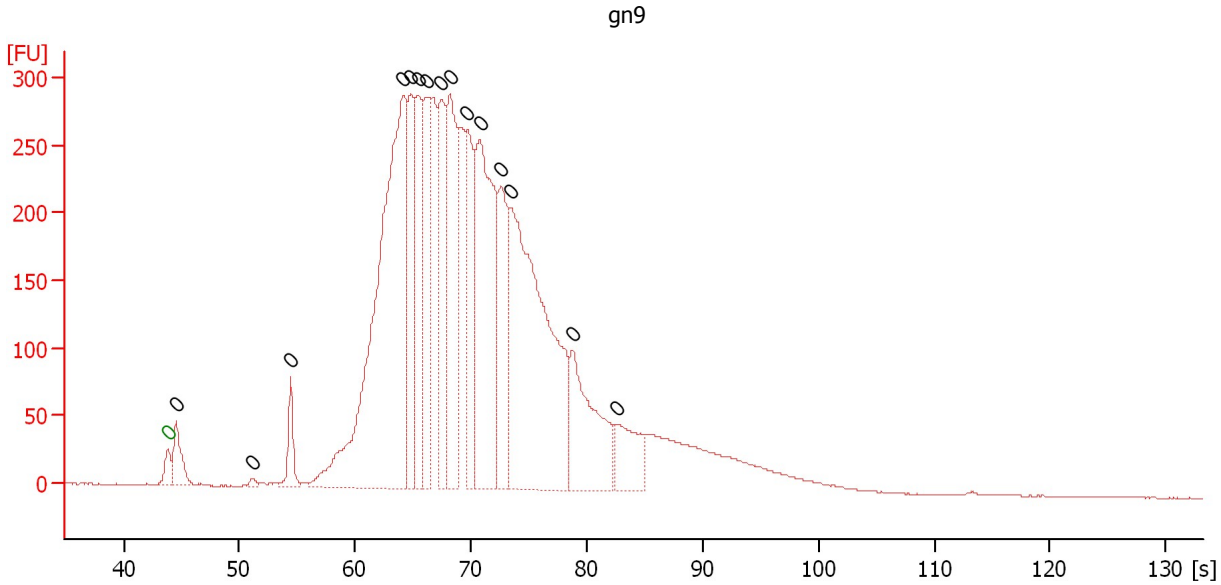
Peak table for sample 8 : gn9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		64.75
2	0	0.00	0.0		65.90
3	0	0.00	0.0		68.05
4	0	0.00	0.0		68.80
5	0	0.00	0.0		70.30
6	0	0.00	0.0		71.35
7	0	0.00	0.0		73.25
8	0	0.00	0.0		74.05
9	0	0.00	0.0		75.60
10	0	0.00	0.0		79.50

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-27\2016-04-27_003.xad

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 Modified: 4/27/2016 3:59:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : gn9

Number of peaks found: 15 Noise: 0.3

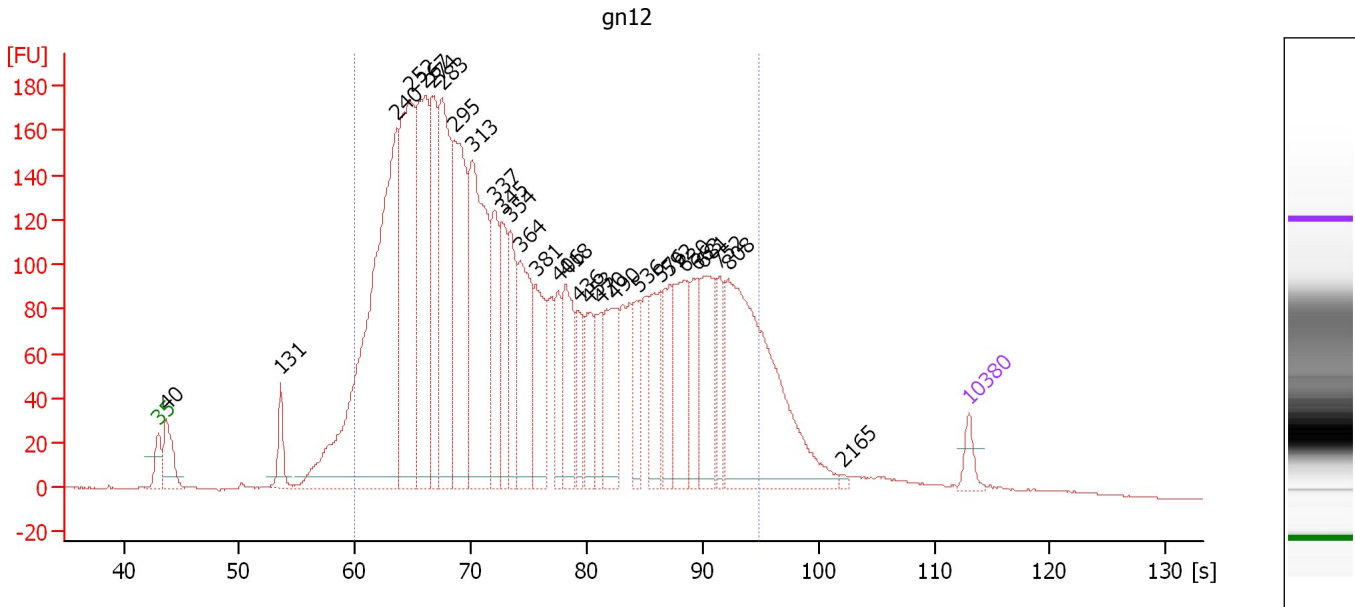
Peak table for sample 9 : gn9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	43.85
2	0	0.00	0.0		44.55
3	0	0.00	0.0		51.10
4	0	0.00	0.0		54.45
5	0	0.00	0.0		64.15
6	0	0.00	0.0		64.80
7	0	0.00	0.0		65.45
8	0	0.00	0.0		66.25
9	0	0.00	0.0		67.45
10	0	0.00	0.0		68.20
11	0	0.00	0.0		69.65
12	0	0.00	0.0		70.80
13	0	0.00	0.0		72.65
14	0	0.00	0.0		73.35
15	0	0.00	0.0		78.80
16	0	0.00	0.0		82.60

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-27\2016-04-27_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : gn12

Number of peaks found: 29 Corr. Area 1: 4,985.6
 Noise: 0.2

Peak table for sample 10 : gn12

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	40	355.59	13,601.5		43.71
3	131	221.66	2,573.2		53.58
4	240	3,309.67	20,911.9		63.60
5	252	1,731.71	10,402.3		64.72
6	267	1,314.28	7,460.2		66.05
7	274	841.27	4,647.3		66.71
8	283	1,208.93	6,465.2		67.52
9	295	1,257.89	6,468.9		68.54
10	313	1,489.74	7,202.1		70.11
11	337	543.23	2,441.5		72.05
12	345	418.31	1,839.2		72.66
13	354	466.55	1,997.1		73.42
14	364	664.20	2,765.2		74.24
15	381	508.33	2,022.6		75.61
16	406	271.65	1,012.8		77.54
17	418	472.73	1,714.0		78.20
18	436	241.36	837.8		79.27
19	453	308.62	1,031.6		80.24
20	470	251.52	810.7		81.20
21	490	489.86	1,513.3		82.38
22	536	232.41	657.3		84.56
23	576	404.23	1,064.0		86.39
24	592	318.66	815.2		87.16
25	630	486.62	1,170.1		88.48

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-27\2016-04-27_003.xad

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Electropherogram Summary Continued ...

... Peak table for sample 10 : gn12

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	663	311.78	712.0		89.55
27	681	501.98	1,117.1		90.11
28	752	232.45	468.4		91.43
29	808	1,713.71	3,214.6		92.19
30	2,165	13.80	9.7		102.06
31	10,380	75.00	10.9	Upper Marker	113.00

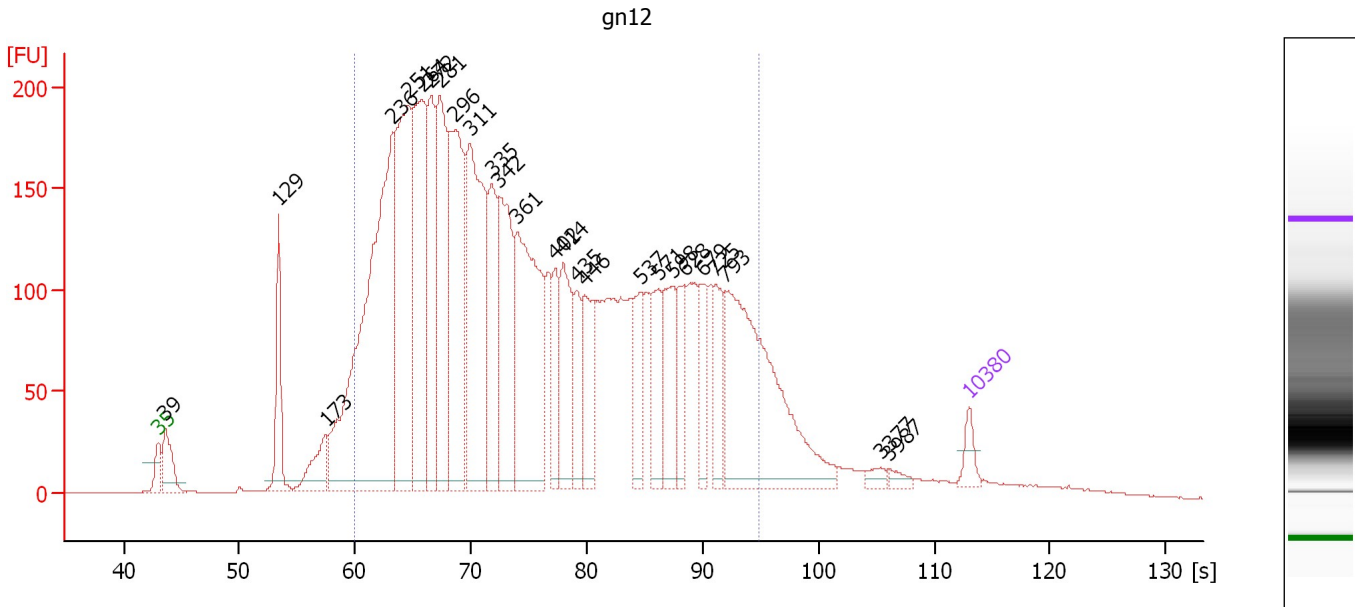
Region table for sample 10 : gn12

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	424	4,985.6	90,222.5	20,027.00	89	44.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-27\2016-04-27_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : gn12

Number of peaks found: 26 Corr. Area 1: 5,682.9
 Noise: 0.2

Peak table for sample 11 : gn12

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	39	309.78	12,040.7		43.61
3	129	498.56	5,874.5		53.40
4	173	274.22	2,404.1		57.50
5	236	3,074.83	19,759.1		63.24
6	251	1,554.19	9,397.4		64.57
7	264	1,287.69	7,399.3		65.75
8	272	792.50	4,411.0		66.52
9	281	1,104.72	5,949.7		67.34
10	296	1,176.36	6,018.8		68.67
11	311	1,468.04	7,156.4		69.90
12	335	597.52	2,705.0		71.85
13	342	903.87	4,001.6		72.47
14	361	1,326.27	5,565.1		74.00
15	402	285.19	1,075.3		77.28
16	414	508.58	1,859.8		78.00
17	435	270.19	941.4		79.18
18	446	429.22	1,456.7		79.84
19	537	293.94	829.7		84.61
20	571	335.71	890.2		86.20
21	598	377.11	955.2		87.43
22	628	231.72	559.3		88.40
23	679	251.23	560.7		90.04
24	725	292.37	610.7		91.07
25	793	1,527.33	2,918.8		91.99

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-27\2016-04-27_003.xad

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Electropherogram Summary Continued ...

... Peak table for sample 11 : gn12

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	3,377	38.22	17.1		105.36
27	3,987	32.25	12.3		106.13
28	10,380	75.00	10.9	Upper Marker	113.00

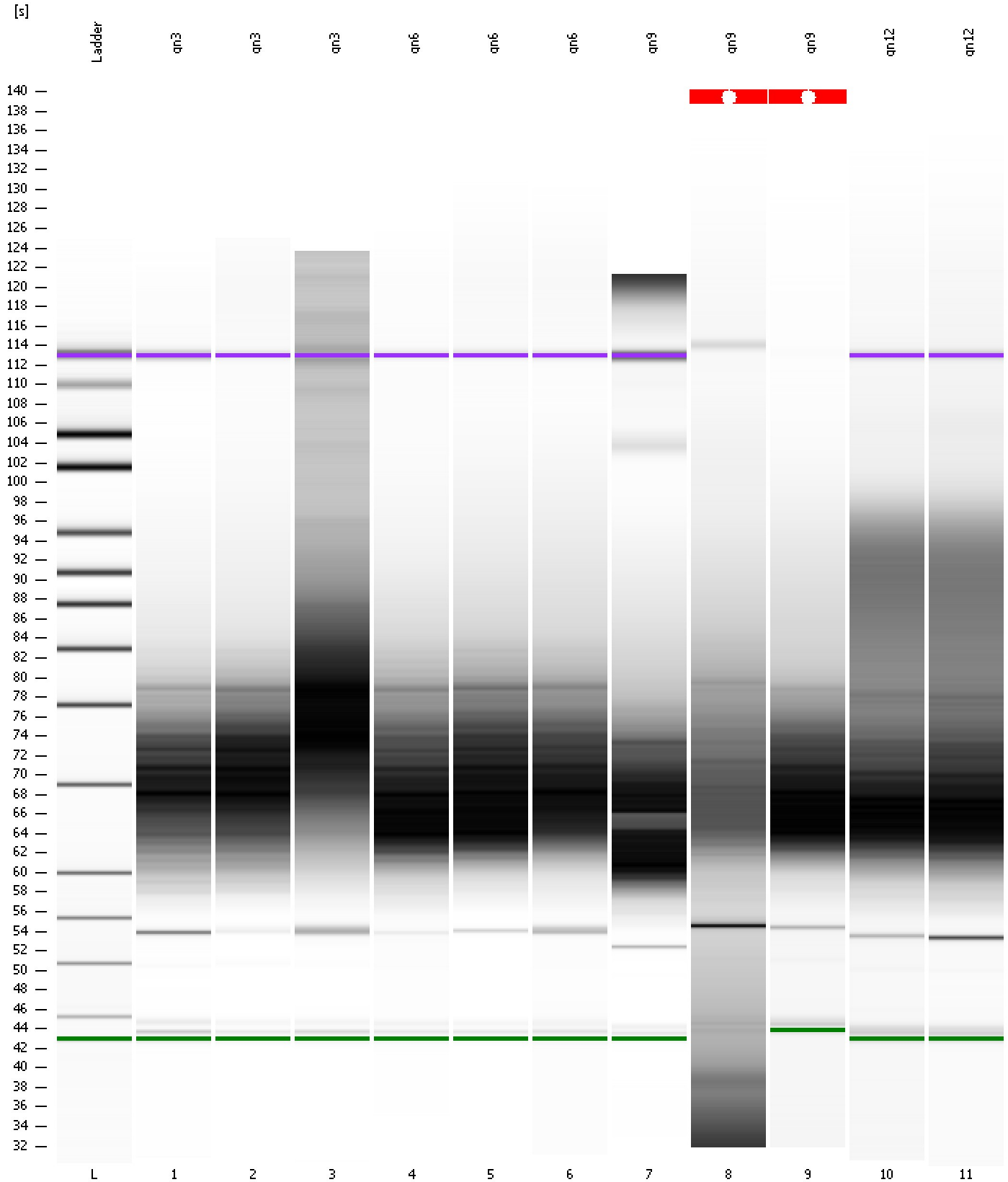
Region table for sample 11 : gn12

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	418	5,682.9	88,158.3	19,456.91	87	44.1

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-27\2016-04-27_003.xad

Created: 4/27/2016 3:18:45 PM
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Gel Image

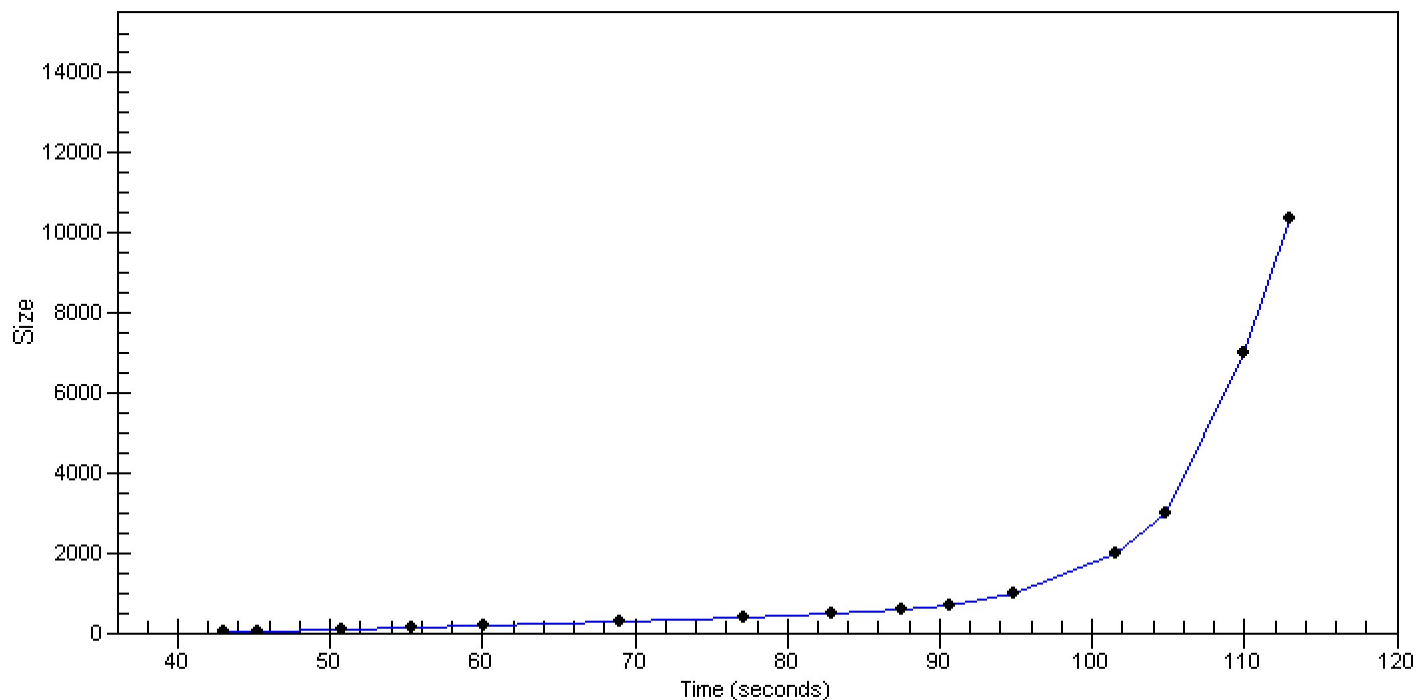


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-27\2016-04-27_003.xad

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Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-04-27\2016-04-27_003.xad

Created: 4/27/2016 3:18:45 PM
 Modified: 4/27/2016 3:59:15 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		4/27/2016 3:59:13 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\2016-04-27\2016-04-27_003.xad)		Instrument	Run		4/27/2016 3:18:50 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/27/2016 3:18:50 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/27/2016 3:18:50 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/27/2016 3:18:50 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/27/2016 3:18:50 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/27/2016 3:18:50 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/27/2016 3:18:50 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1