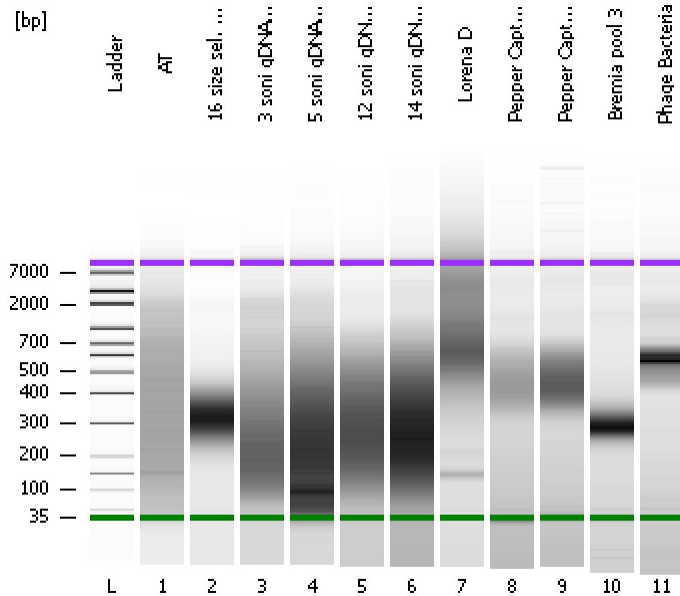


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_002.xad

Created: 3/21/2016 3:45:13 PM
Modified: 3/21/2016 4:40:21 PM

Electrophoresis File Run Summary



Instrument Information:

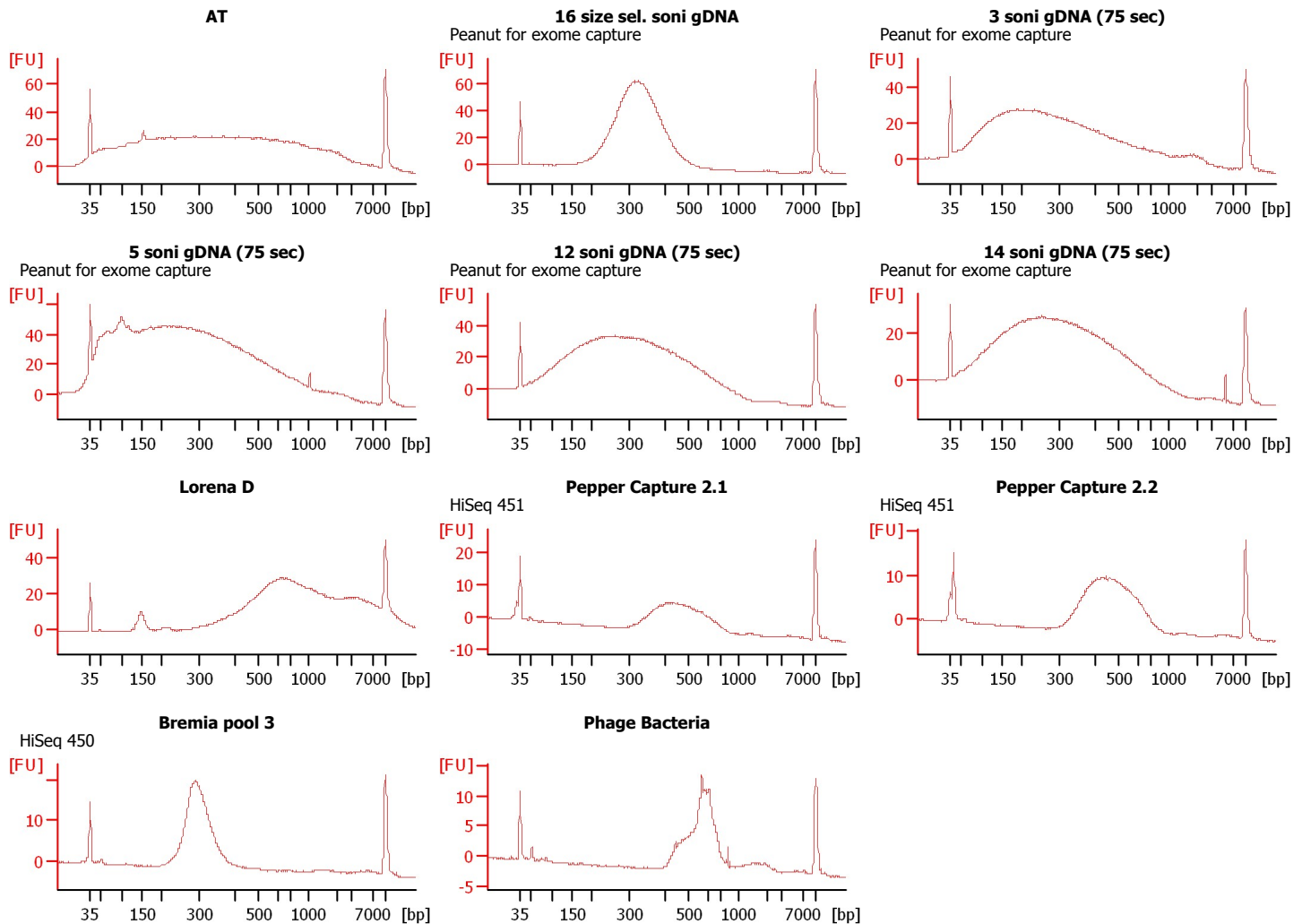
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_002.xad

Created: 3/21/2016 3:45:13 PM
 Modified: 3/21/2016 4:40:21 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
AT		<input type="checkbox"/>				
16 size sel. soni gDNA	Peanut for exome capture	<input type="checkbox"/>				
3 soni gDNA (75 sec)	Peanut for exome capture	<input type="checkbox"/>				
5 soni gDNA (75 sec)	Peanut for exome capture	<input type="checkbox"/>				
12 soni gDNA (75 sec)	Peanut for exome capture	<input type="checkbox"/>				
14 soni gDNA (75 sec)	Peanut for exome capture	<input type="checkbox"/>				
Lorena D		<input type="checkbox"/>				
Pepper Capture 2.1	HiSeq 451	<input type="checkbox"/>				
Pepper Capture 2.2	HiSeq 451	<input type="checkbox"/>				
Bremia pool 3	HiSeq 450	<input type="checkbox"/>				
Phage Bacteria		<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\2016-03-21\2016-03-21_002.xad

Created: 3/21/2016 3:45:13 PM
Modified: 3/21/2016 4:40:21 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

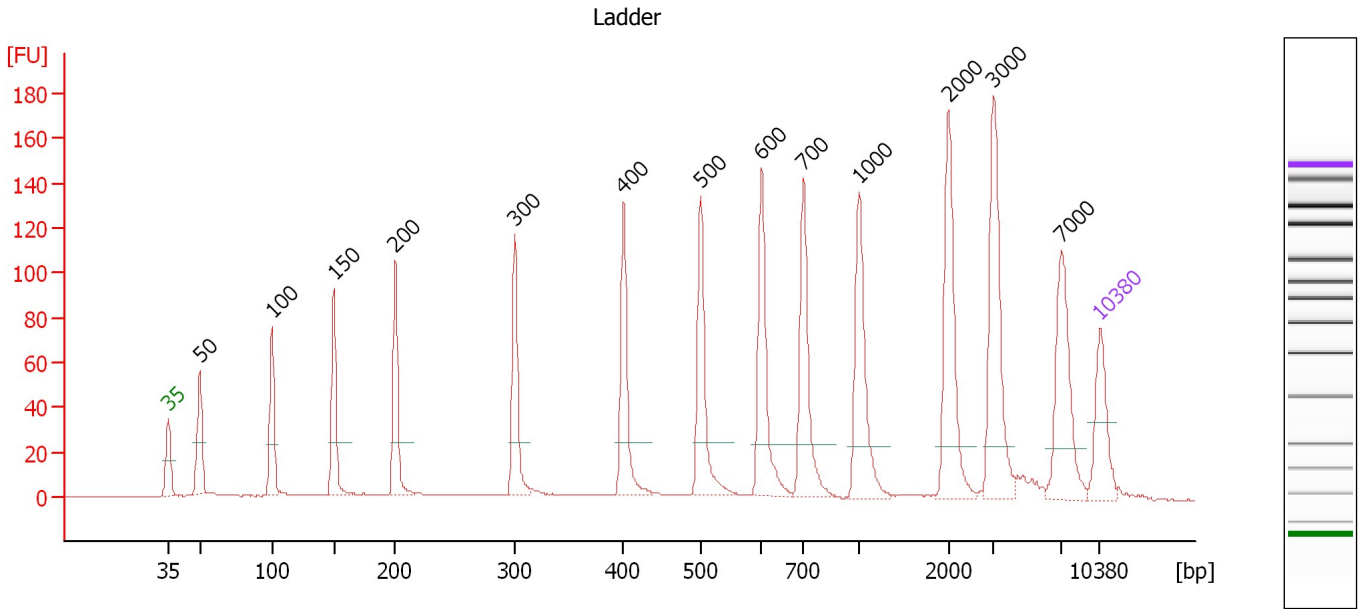
Ladder

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:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_002.xad

Created: 3/21/2016 3:45:13 PM
 Modified: 3/21/2016 4:40:21 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

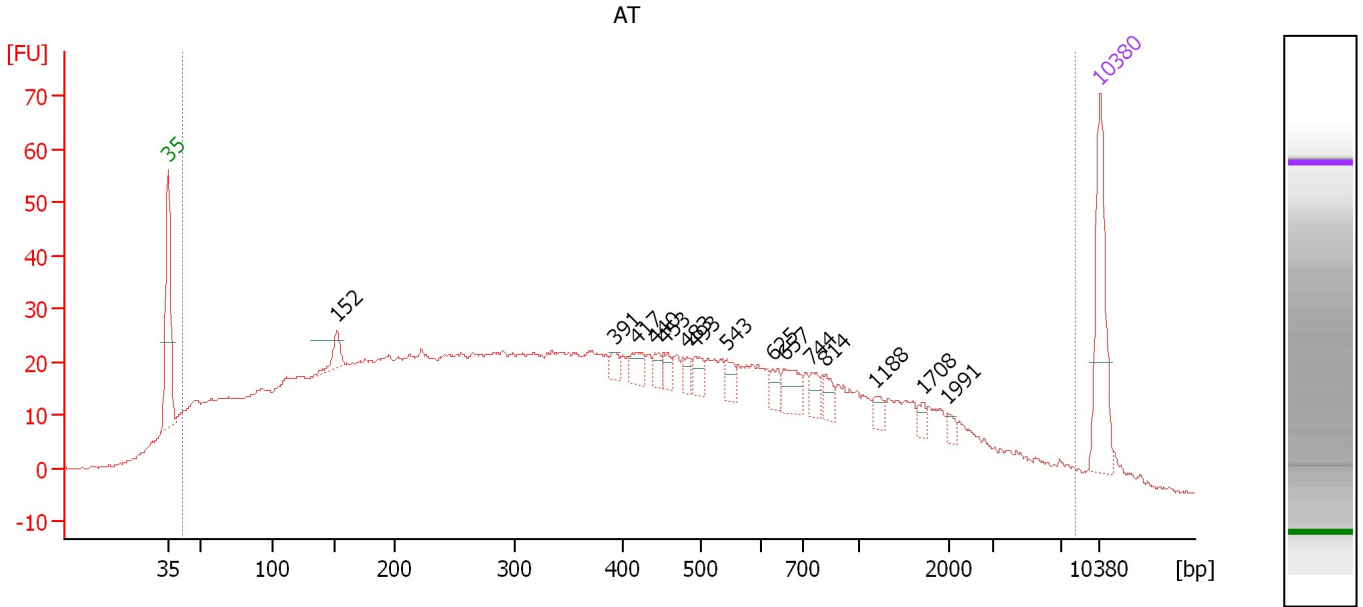
Peak table for Ladder

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	45.34
3	100	150.00	2,272.7	Ladder Peak	50.78
4	150	150.00	1,515.2	Ladder Peak	55.45
5	200	150.00	1,136.4	Ladder Peak	60.03
6	300	150.00	757.6	Ladder Peak	69.03
7	400	150.00	568.2	Ladder Peak	77.21
8	500	150.00	454.5	Ladder Peak	83.01
9	600	150.00	378.8	Ladder Peak	87.58
10	700	150.00	324.7	Ladder Peak	90.73
11	1,000	150.00	227.3	Ladder Peak	94.90
12	2,000	150.00	113.6	Ladder Peak	101.61
13	3,000	150.00	75.8	Ladder Peak	104.97
14	7,000	150.00	32.5	Ladder Peak	110.15
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_002.xad

Created: 3/21/2016 3:45:13 PM
 Modified: 3/21/2016 4:40:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : AT

Number of peaks found: 15 Corr. Area 1: 1,692.6
 Noise: 0.2

Peak table for sample 1 : AT

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	152	23.66	236.1		55.62
3	391	9.51	36.8		76.51
4	417	17.96	65.3		78.21
5	440	11.82	40.7		79.54
6	453	10.61	35.5		80.26
7	483	10.43	32.7		82.00
8	493	15.38	47.2		82.62
9	543	13.91	38.8		84.98
10	625	13.13	31.8		88.37
11	657	24.73	57.0		89.39
12	744	13.33	27.1		91.34
13	814	14.31	26.6		92.32
14	1,188	8.64	11.0		96.17
15	1,708	6.75	6.0		99.66
16	1,991	5.65	4.3		101.56
17	10,380	75.00	10.9	Upper Marker	113.00

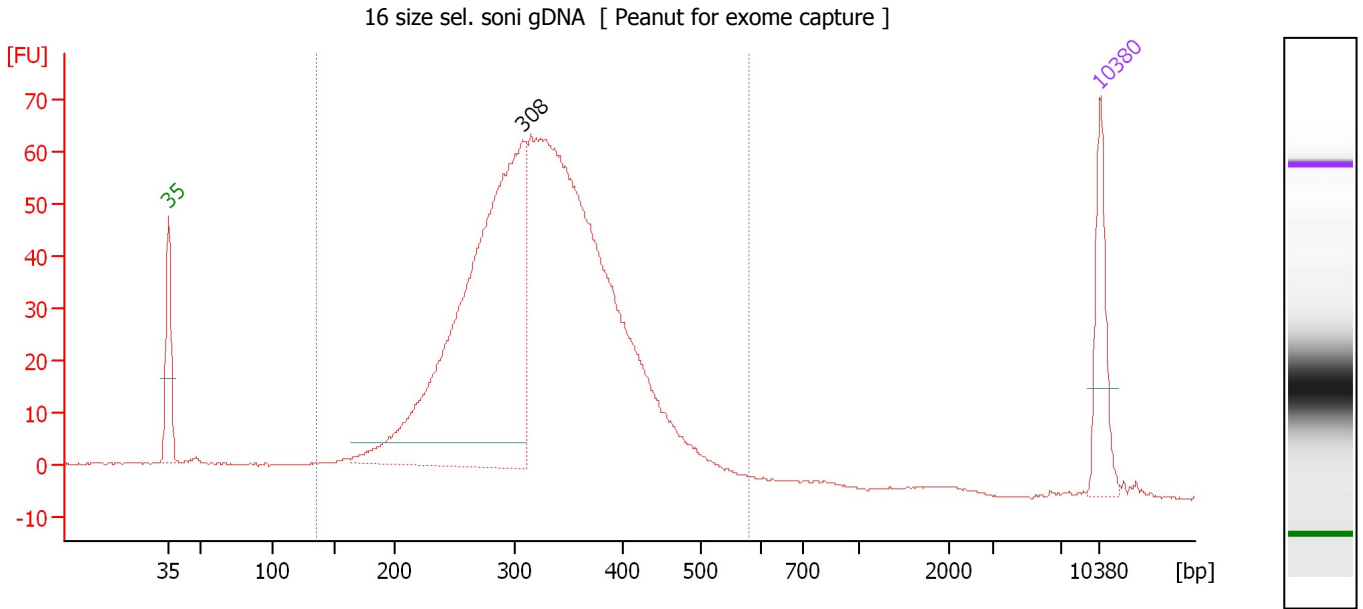
Region table for sample 1 : AT

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
42	8,202	655	1,692.6	30,842.8	3,824.06	97	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_002.xad

Created: 3/21/2016 3:45:13 PM
 Modified: 3/21/2016 4:40:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 16 size sel. soni gDNA

Number of peaks found: 1 Corr. Area 1: 1,169.6
 Noise: 0.2

Peak table for sample 2 : 16 size sel. soni gDNA

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	308	923.58	4,549.7		69.65
3	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 2 : 16 size sel. soni gDNA

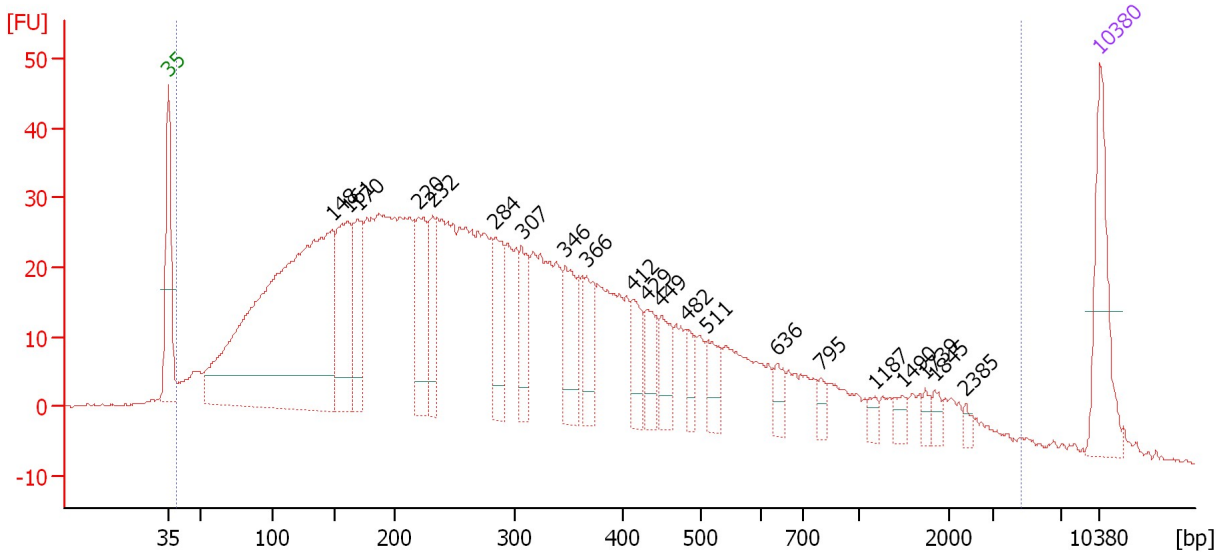
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
135	578	325	1,169.6	11,198.3	2,252.64	96	20.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_002.xad

Created: 3/21/2016 3:45:13 PM
 Modified: 3/21/2016 4:40:21 PM

Electropherogram Summary Continued ...

3 soni gDNA (75 sec) [Peanut for exome capture]



Overall Results for sample 3 : 3 soni gDNA (75 sec)

Number of peaks found: 21 Corr. Area 1: 1,528.3
 Noise: 0.2

Peak table for sample 3 : 3 soni gDNA (75 sec)

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	148	757.56	7,751.1		55.28
3	161	150.99	1,417.9		56.49
4	170	84.55	755.1		57.25
5	220	101.58	700.0		61.82
6	232	67.90	443.9		62.88
7	284	75.39	402.8		67.55
8	307	59.98	296.3		69.58
9	346	67.33	294.5		72.83
10	366	53.04	219.4		74.45
11	412	39.52	145.4		77.90
12	429	38.68	136.5		78.91
13	449	39.38	133.0		80.03
14	482	23.19	72.9		81.96
15	511	30.39	90.0		83.53
16	636	17.82	42.5		88.70
17	795	12.09	23.0		92.05
18	1,187	9.26	11.8		96.16
19	1,490	11.84	12.0		98.19
20	1,739	7.06	6.2		99.86
21	1,845	9.03	7.4		100.57
22	2,385	5.21	3.3		102.91
23	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_002.xad

Created: 3/21/2016 3:45:13 PM
Modified: 3/21/2016 4:40:21 PM

Electropherogram Summary Continued ...

... Region table for sample 3 : 3 soni qDNA (75 sec)

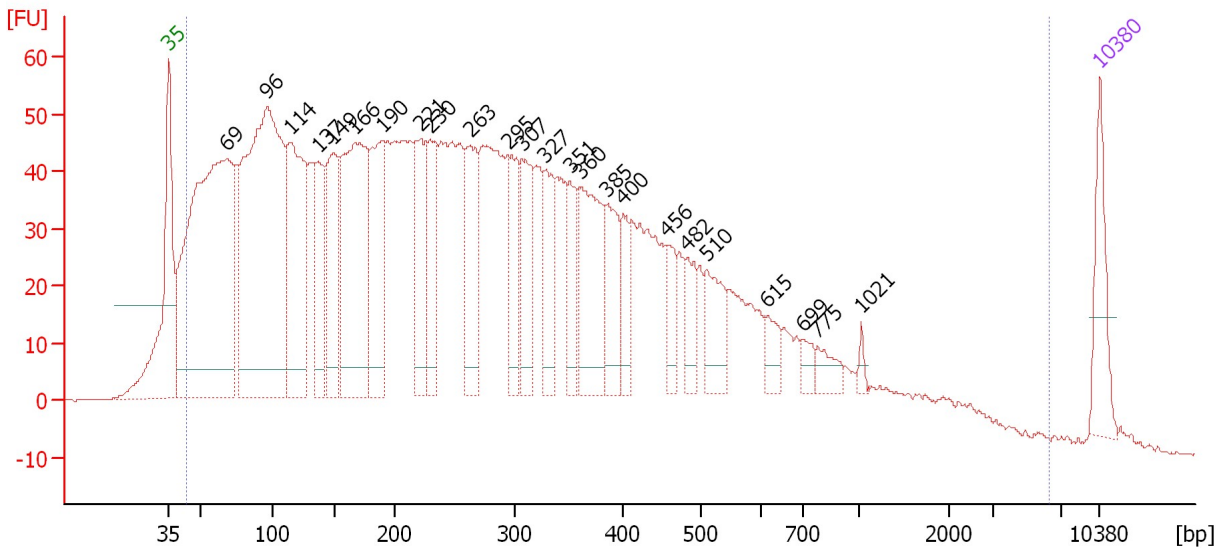
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
39	4,615	401	1,528.3	29,596.5	■ 3,519.20	98	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_002.xad

Created: 3/21/2016 3:45:13 PM
 Modified: 3/21/2016 4:40:21 PM

Electropherogram Summary Continued ...

5 soni gDNA (75 sec) [Peanut for exome capture]



Overall Results for sample 4 : 5 soni gDNA (75 sec)

Number of peaks found: 24 Corr. Area 1: 2,943.3
 Noise: 0.2

Peak table for sample 4 : 5 soni gDNA (75 sec)

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	69	1,010.60	22,175.8		47.41
3	96	981.13	15,446.8		50.37
4	114	379.94	5,028.2		52.13
5	137	158.51	1,750.1		54.26
6	149	213.62	2,165.9		55.40
7	166	461.09	4,197.6		56.96
8	190	216.68	1,730.7		59.09
9	221	163.38	1,121.9		61.89
10	230	149.90	988.0		62.72
11	263	151.44	873.3		65.68
12	295	112.18	576.1		68.58
13	307	128.07	632.9		69.57
14	327	109.99	509.8		71.23
15	351	75.46	325.7		73.20
16	360	204.97	863.0		73.93
17	385	103.98	409.0		76.00
18	400	65.52	248.3		77.20
19	456	52.07	173.0		80.46
20	482	51.90	163.1		81.97
21	510	85.39	253.6		83.47
22	615	33.18	81.8		88.04
23	699	20.50	44.5		90.69
24	775	29.41	57.5		91.78
25	1,021	9.40	13.9		95.05

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_002.xad

Created: 3/21/2016 3:45:13 PM
 Modified: 3/21/2016 4:40:21 PM

Electropherogram Summary Continued ...

... Peak table for sample 4 : 5 soni gDNA (75 sec)

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

Region table for sample 4 : 5 soni gDNA (75 sec)

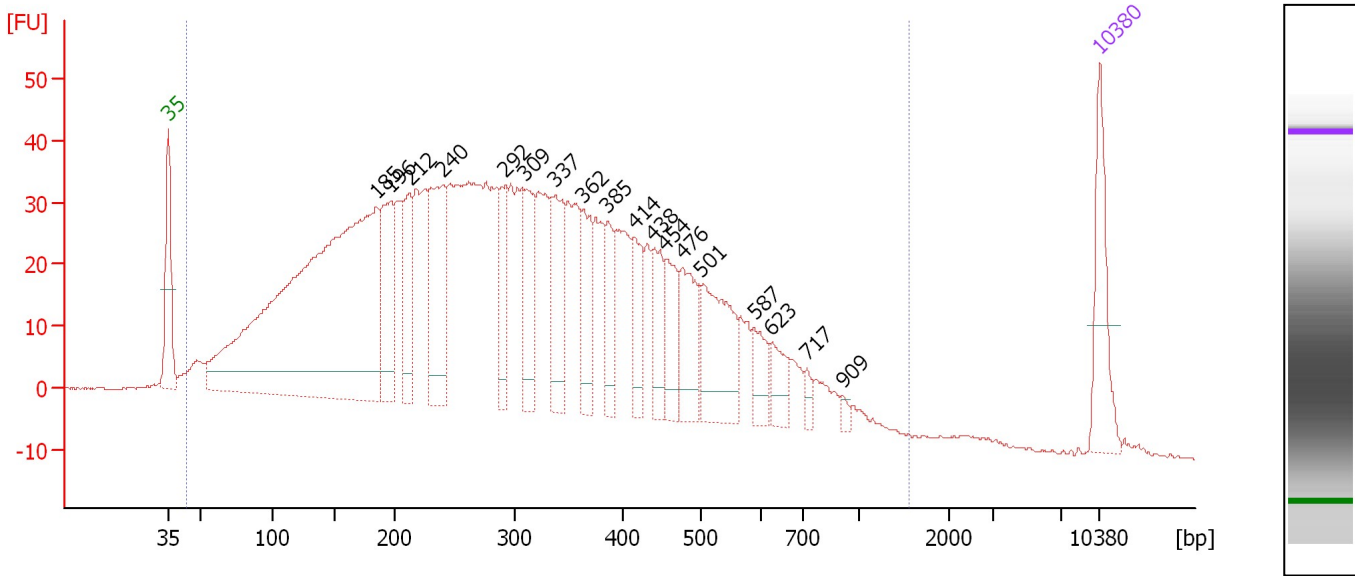
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
43	6,291	360	2,943.3	79,733.7	7,845.16	98	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_002.xad

Created: 3/21/2016 3:45:13 PM
 Modified: 3/21/2016 4:40:21 PM

Electropherogram Summary Continued ...

12 soni gDNA (75 sec) [Peanut for exome capture]



Overall Results for sample 5 : 12 soni gDNA (75 sec)

Number of peaks found: 18 Corr. Area 1: 1,731.3
 Noise: 0.2

Peak table for sample 5 : 12 soni gDNA (75 sec)

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	185	1,031.80	8,457.7		58.64
3	196	130.96	1,010.9		59.69
4	212	89.63	639.1		61.15
5	240	169.87	1,073.2		63.61
6	292	85.61	444.0		68.32
7	309	104.57	513.3		69.73
8	337	111.28	500.7		72.04
9	362	74.98	314.1		74.08
10	385	55.03	216.4		76.01
11	414	59.95	219.6		78.00
12	438	59.34	205.3		79.41
13	454	64.42	214.9		80.35
14	476	85.82	273.2		81.61
15	501	132.66	400.8		83.07
16	587	38.25	98.7		87.00
17	623	37.01	90.0		88.31
18	717	12.40	26.2		90.97
19	909	6.22	10.4		93.64
20	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 5 : 12 soni gDNA (75 sec)

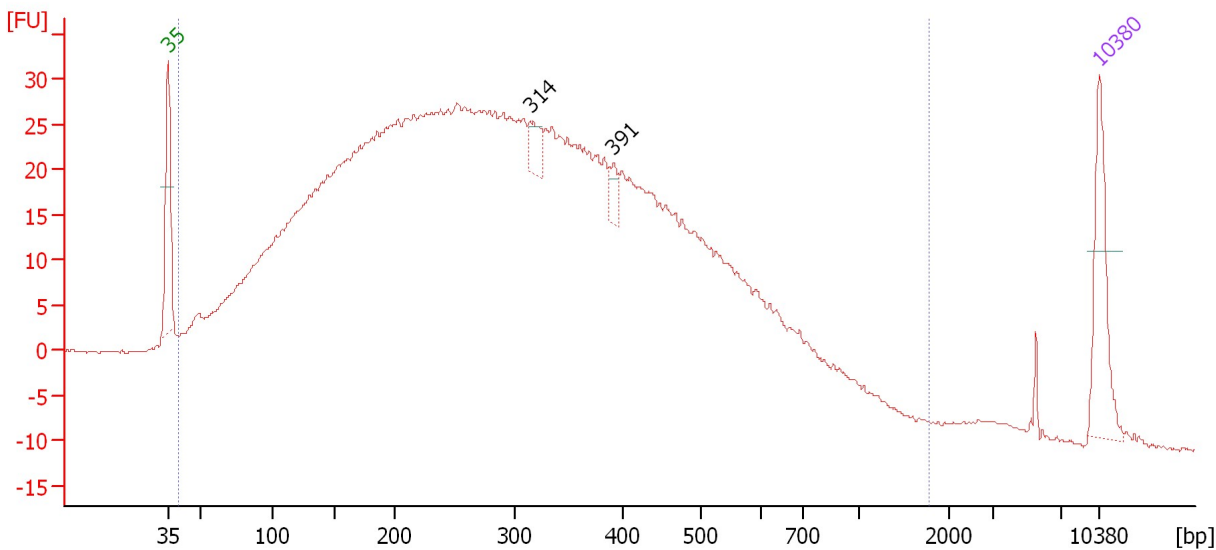
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
43	1,552	322	1,731.3	31,194.4	4,158.40	99	53.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_002.xad

Created: 3/21/2016 3:45:13 PM
 Modified: 3/21/2016 4:40:21 PM

Electropherogram Summary Continued ...

14 soni gDNA (75 sec) [Peanut for exome capture]



Overall Results for sample 6 : 14 soni gDNA (75 sec)

Number of peaks found: 2 Corr. Area 1: 1,432.1
 Noise: 0.2

Peak table for sample 6 : 14 soni gDNA (75 sec)

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	314	25.24	121.8		70.18
3	391	17.69	68.6		76.47
4	10,380	75.00	10.9	Upper Marker	113.00

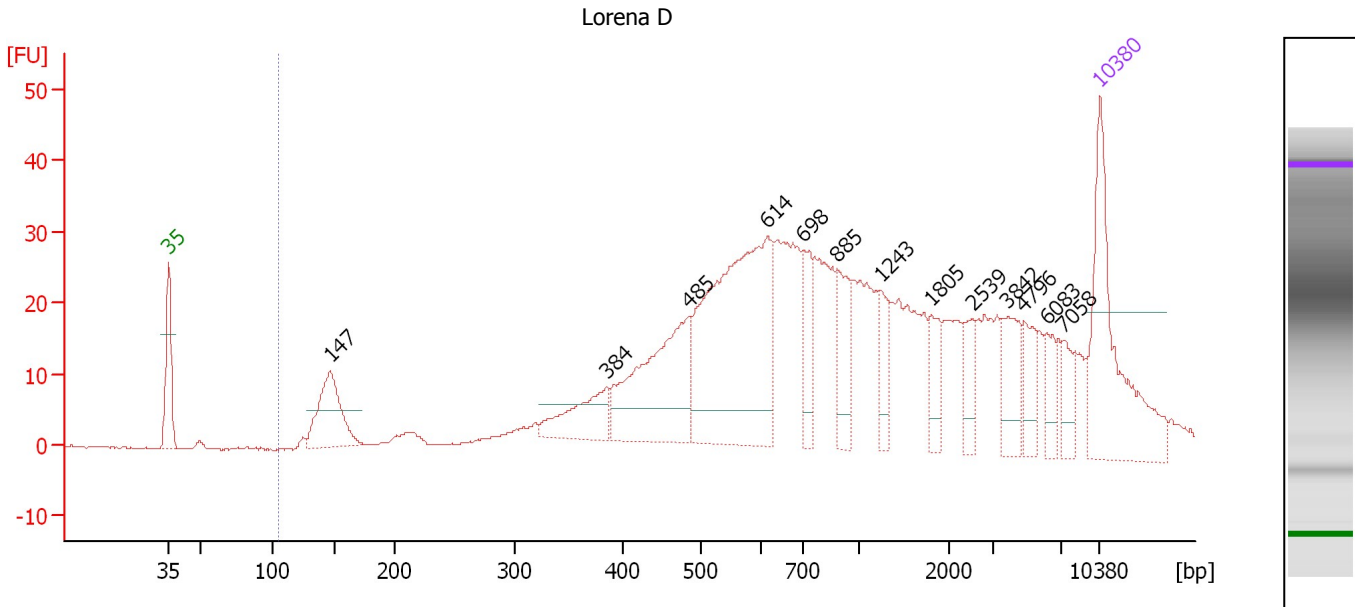
Region table for sample 6 : 14 soni gDNA (75 sec)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
40	1,783	321	1,432.1	39,989.2	5,173.22	98	55.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_002.xad

Created: 3/21/2016 3:45:13 PM
 Modified: 3/21/2016 4:40:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Lorena D

Number of peaks found: 13 Corr. Area 1: 1,078.7
 Noise: 0.2

Peak table for sample 7 : Lorena D

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	147	59.01	608.8		55.16
3	384	36.83	145.2		75.93
4	485	103.23	322.8		82.12
5	614	184.75	455.6		88.03
6	698	29.19	63.4		90.67
7	885	27.83	47.6		93.31
8	1,243	18.77	22.9		96.54
9	1,805	14.68	12.3		100.30
10	2,539	12.98	7.7		103.42
11	3,842	24.42	9.6		106.06
12	4,796	15.68	5.0		107.30
13	6,083	13.76	3.4		108.96
14	7,058	11.91	2.6		110.20
15	10,380	75.00	10.9	Upper Marker	113.00

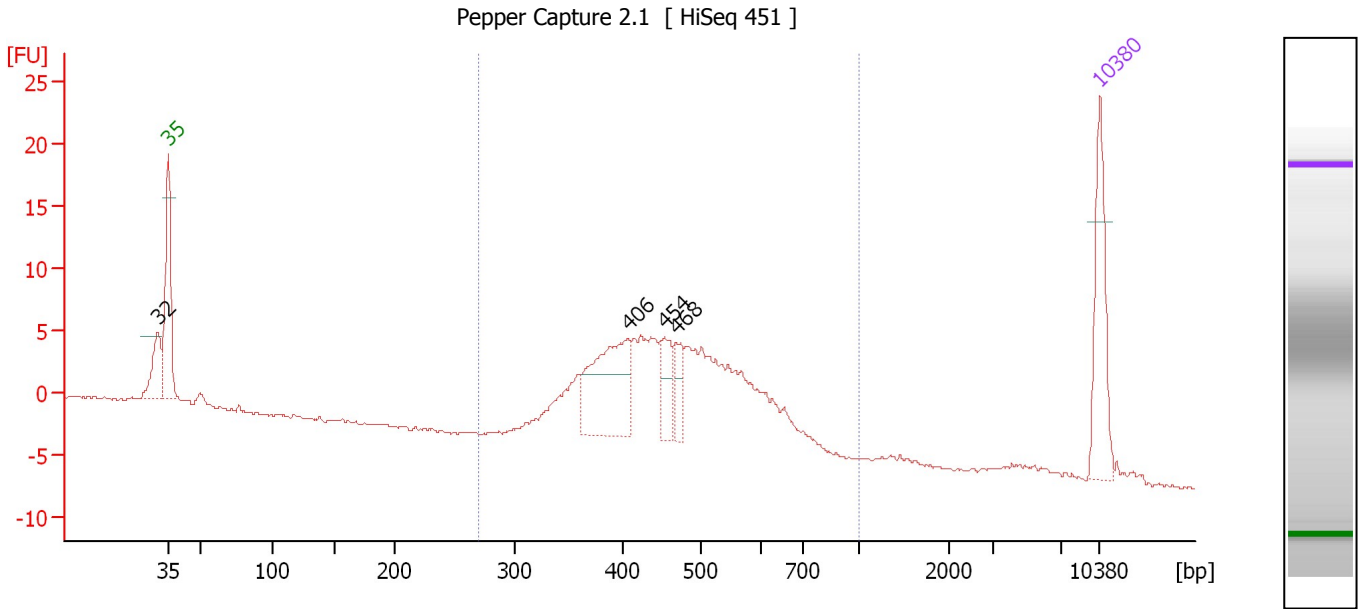
Region table for sample 7 : Lorena D

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
106	28,137	3,648	1,078.7	3,529.6	1,220.81	98	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_002.xad

Created: 3/21/2016 3:45:13 PM
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Electropherogram Summary Continued ...



Overall Results for sample 8 : Pepper Capture 2.1

Number of peaks found: 4 Corr. Area 1: 133.6
 Noise: 0.1

Peak table for sample 8 : Pepper Capture 2.1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.19
2	35	125.00	5,411.3	Lower Marker	43.00
3	406	131.55	490.8		77.57
4	454	36.91	123.3		80.32
5	468	28.89	93.6		81.13
6	10,380	75.00	10.9	Upper Marker	113.00

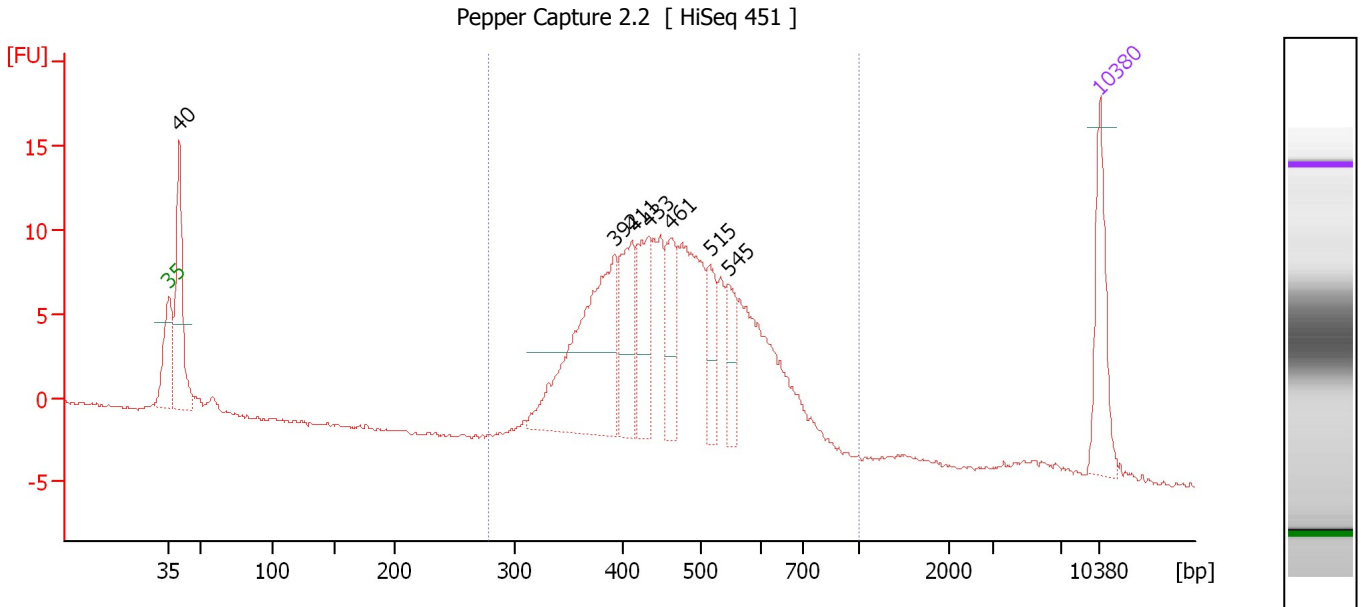
Region table for sample 8 : Pepper Capture 2.1

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
269	1,000	469	133.6	2,051.0	605.93	88	19.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_002.xad

Created: 3/21/2016 3:45:13 PM
 Modified: 3/21/2016 4:40:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Pepper Capture 2.2

Number of peaks found: 7 Corr. Area 1: 204.2
 Noise: 0.1

Peak table for sample 9 : Pepper Capture 2.2

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	40	184.07	6,950.6		43.80
3	392	283.68	1,096.3		76.56
4	411	97.18	358.4		77.84
5	433	86.81	303.8		79.12
6	461	76.50	251.2		80.77
7	515	56.05	164.8		83.70
8	545	48.32	134.2		85.09
9	10,380	75.00	10.9	Upper Marker	113.00

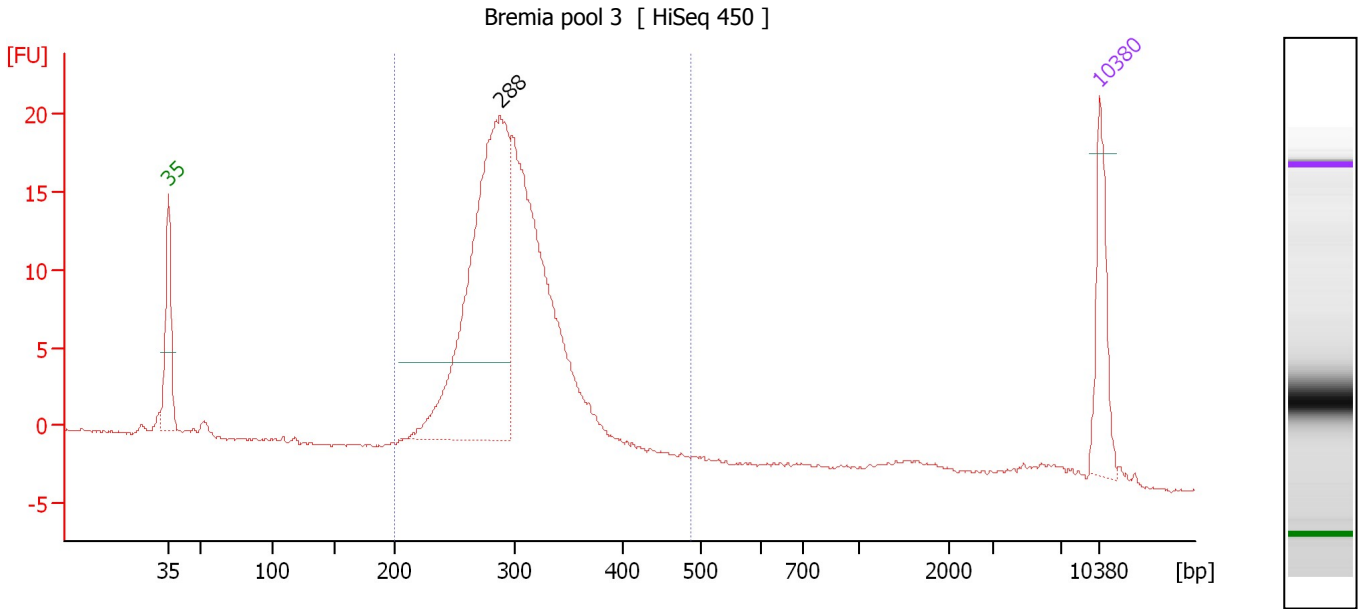
Region table for sample 9 : Pepper Capture 2.2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
279	1,000	476	204.2	4,129.3	1,231.13	89	20.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_002.xad

Created: 3/21/2016 3:45:13 PM
 Modified: 3/21/2016 4:40:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Bremia pool 3

Number of peaks found: 1 Corr. Area 1: 196.4
 Noise: 0.1

Peak table for sample 10 : Bremia pool 3

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	288	629.60	3,314.9		67.93
3	10,380	75.00	10.9	Upper Marker	113.00

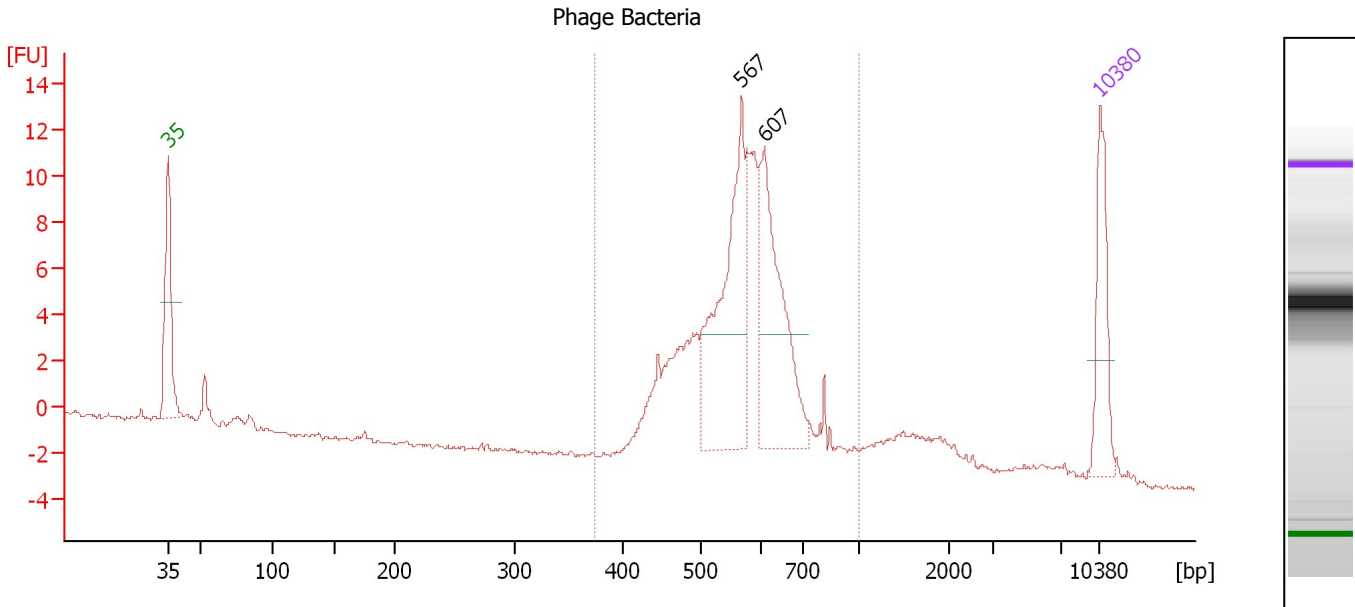
Region table for sample 10 : Bremia pool 3

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	488	300	196.4	6,581.2	1,281.10	94	12.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_002.xad

Created: 3/21/2016 3:45:13 PM
 Modified: 3/21/2016 4:40:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Phage Bacteria

Number of peaks found: 2 Corr. Area 1: 92.9
 Noise: 0.1

Peak table for sample 11 : Phage Bacteria

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	567	263.43	704.0		86.07
3	607	206.58	516.0		87.79
4	10,380	75.00	10.9	Upper Marker	113.00

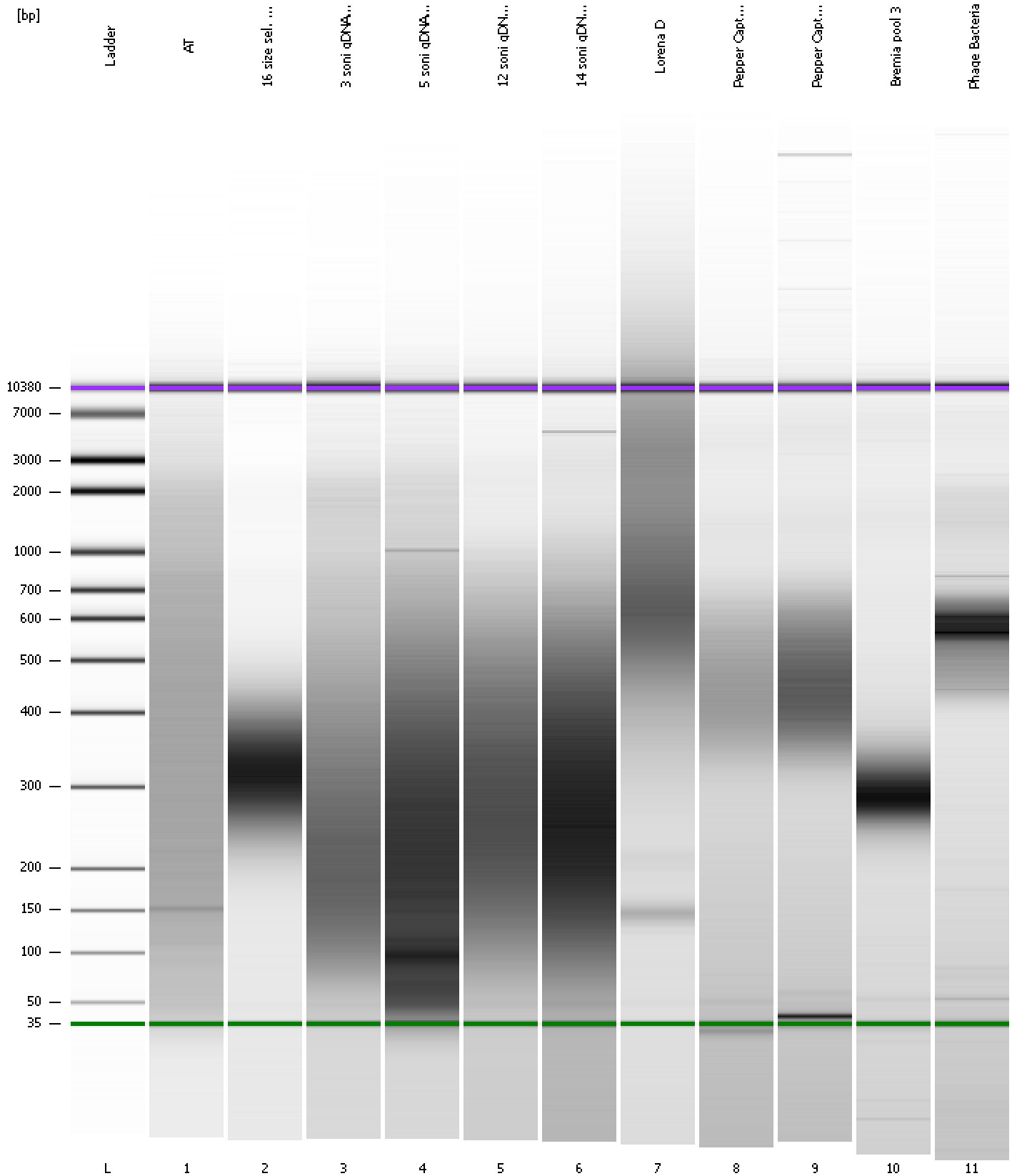
Region table for sample 11 : Phage Bacteria

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
374	1,000	572	92.9	2,103.1	775.46	92	13.9

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_002.xad

Created: 3/21/2016 3:45:13 PM
Modified: 3/21/2016 4:40:21 PM

Gel Image

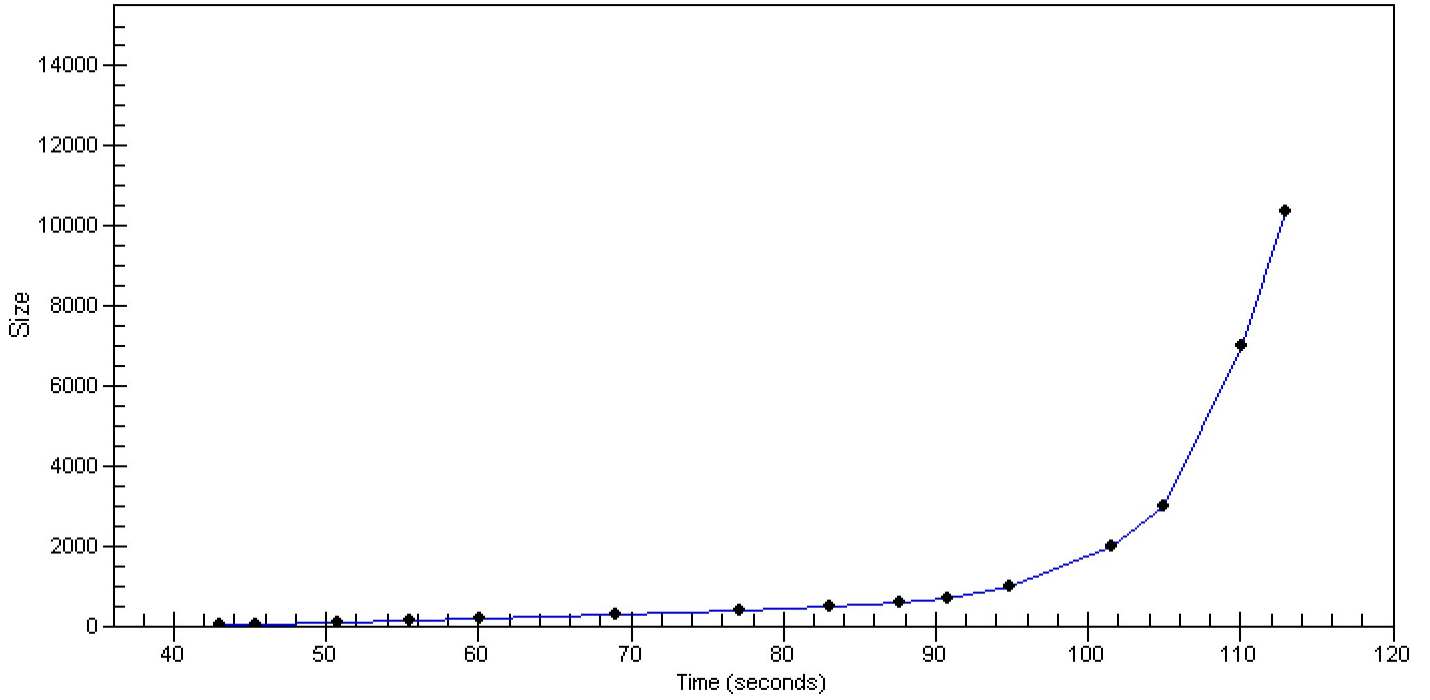


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_002.xad

Created: 3/21/2016 3:45:13 PM
Modified: 3/21/2016 4:40:21 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_002.xad

Created: 3/21/2016 3:45:13 PM
 Modified: 3/21/2016 4:40:21 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		3/21/2016 4:26:30 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\2016-03-21\2016-03-21_002.xad)		Instrument	Run		3/21/2016 3:45:18 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		3/21/2016 3:45:18 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/21/2016 3:45:18 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/21/2016 3:45:18 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		3/21/2016 3:45:18 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/21/2016 3:45:18 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/21/2016 3:45:18 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1