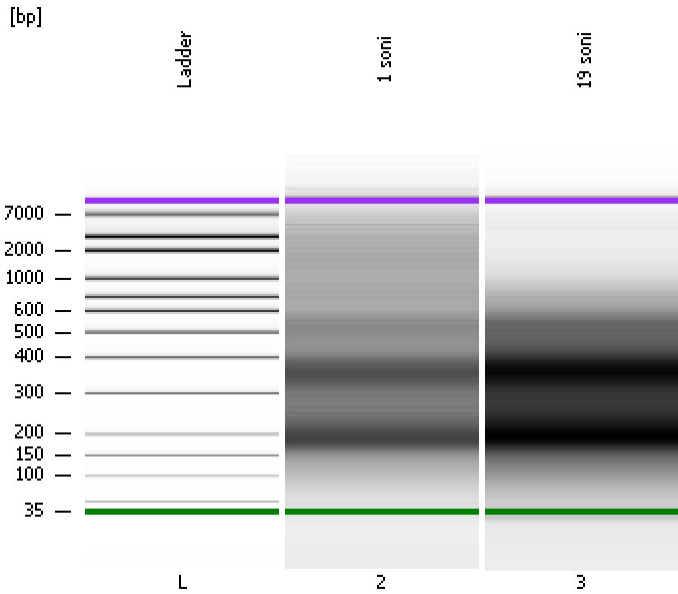


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2015-12-02\2015-12-02_007_HiSeq238_Soni_1_19.xad

Created: 12/2/2015 4:29:09 PM
 Modified: 12/3/2015 10:03:42 AM

Electrophoresis File Run Summary



Instrument Information:

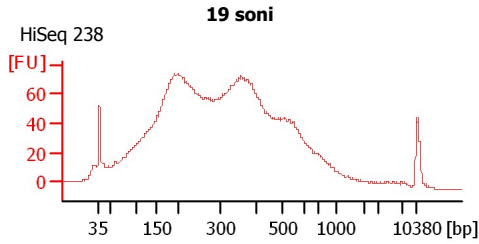
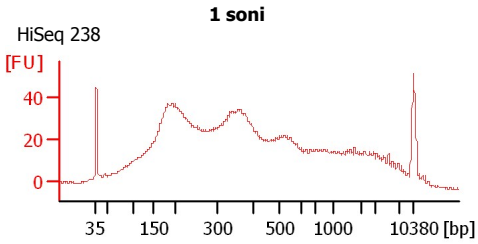
Instrument Name: DE13701086 Firmware: C.01.069
 Serial#: DE13701086 Type: G2938B

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2015-12-02\2015-12-02_007_HiSeq238_Soni_1_19.xad

Created: 12/2/2015 4:29:09 PM
 Modified: 12/3/2015 10:03:42 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
1 soni	HiSeq 238	<input type="checkbox"/>				
19 soni	HiSeq 238	<input type="checkbox"/>				
Ladder		<input type="checkbox"/>				

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ioanalyzer\2015-12-02\2015-12-02_007_HiSeq238_Soni_1_19.xad

Created: 12/2/2015 4:29:09 PM
Modified: 12/3/2015 10:03:42 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

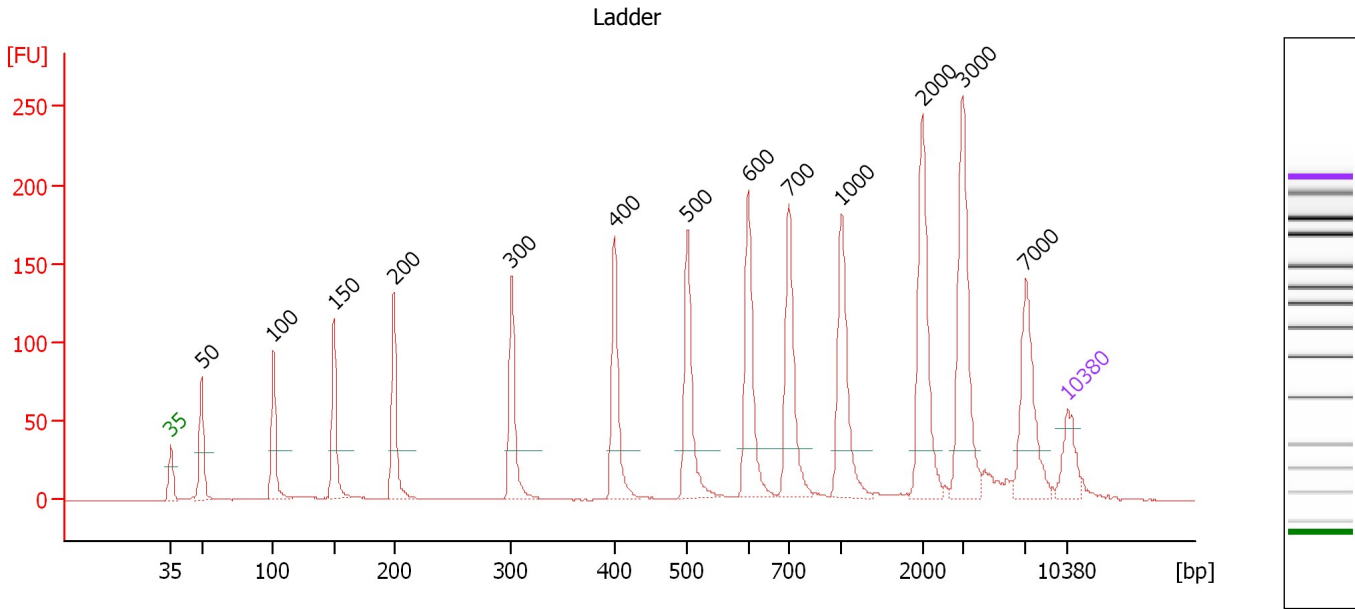
Ladder

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:\...ioanalyzer\2015-12-02\2015-12-02_007_HiSeq238_Soni_1_19.xad

Created: 12/2/2015 4:29:09 PM
 Modified: 12/3/2015 10:03:42 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

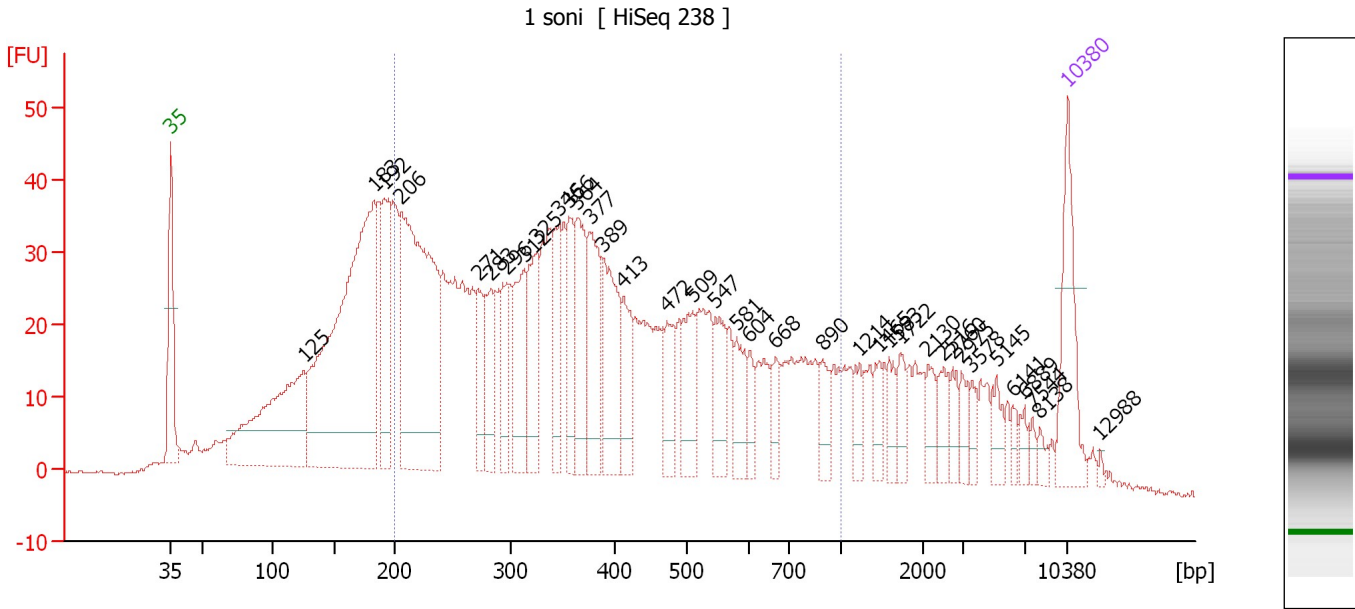
Peak table for Ladder

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	45.41
3	100	150.00	2,272.7	Ladder Peak	51.00
4	150	150.00	1,515.2	Ladder Peak	55.74
5	200	150.00	1,136.4	Ladder Peak	60.43
6	300	150.00	757.6	Ladder Peak	69.60
7	400	150.00	568.2	Ladder Peak	77.60
8	500	150.00	454.5	Ladder Peak	83.32
9	600	150.00	378.8	Ladder Peak	88.06
10	700	150.00	324.7	Ladder Peak	91.23
11	1,000	150.00	227.3	Ladder Peak	95.34
12	2,000	150.00	113.6	Ladder Peak	101.69
13	3,000	150.00	75.8	Ladder Peak	104.78
14	7,000	150.00	32.5	Ladder Peak	109.74
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2015-12-02\2015-12-02_007_HiSeq238_Soni_1_19.xad

Created: 12/2/2015 4:29:09 PM
 Modified: 12/3/2015 10:03:42 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 1_soni

Number of peaks found: 37 Corr. Area 1: 1,218.0
 Noise: 0.2

Peak table for sample 2 : 1_soni

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	125	297.37	3,602.0		53.38
3	183	612.84	5,068.8		58.85
4	192	121.17	957.9		59.65
5	206	434.29	3,195.6		60.97
6	271	53.14	296.6		66.98
7	283	63.57	340.9		68.00
8	296	64.00	327.6		69.23
9	312	92.41	448.7		70.56
10	325	85.35	398.3		71.57
11	346	60.87	266.4		73.30
12	356	65.94	280.5		74.09
13	364	99.93	415.5		74.75
14	377	103.23	415.3		75.73
15	389	115.74	450.5		76.74
16	413	61.63	226.2		78.33
17	472	45.70	146.6		81.73
18	509	61.69	183.5		83.76
19	547	49.77	138.0		85.53
20	581	43.10	112.4		87.16
21	604	20.98	52.6		88.18
22	668	23.73	53.8		90.21
23	890	27.83	47.4		93.83
24	1,214	20.71	25.8		96.70
25	1,465	19.35	20.0		98.29

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2015-12-02\2015-12-02_007_HiSeq238_Soni_1_19.xad

Created: 12/2/2015 4:29:09 PM
 Modified: 12/3/2015 10:03:42 AM

Electropherogram Summary Continued ...

... Peak table for sample 2 : 1 soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,583	21.18	20.3		99.04
27	1,722	20.31	17.9		99.93
28	2,130	21.01	14.9		102.09
29	2,516	22.53	13.6		103.28
30	2,760	15.95	8.8		104.03
31	2,975	16.18	8.2		104.70
32	3,578	12.41	5.3		105.49
33	5,145	19.02	5.6		107.44
34	6,141	8.63	2.1		108.67
35	6,889	10.98	2.4		109.60
36	7,544	7.24	1.5		110.26
37	8,138	8.39	1.6		110.84
38	10,380	75.00	10.9	Upper Marker	113.00
39	12,988	0.00	0.0		115.52

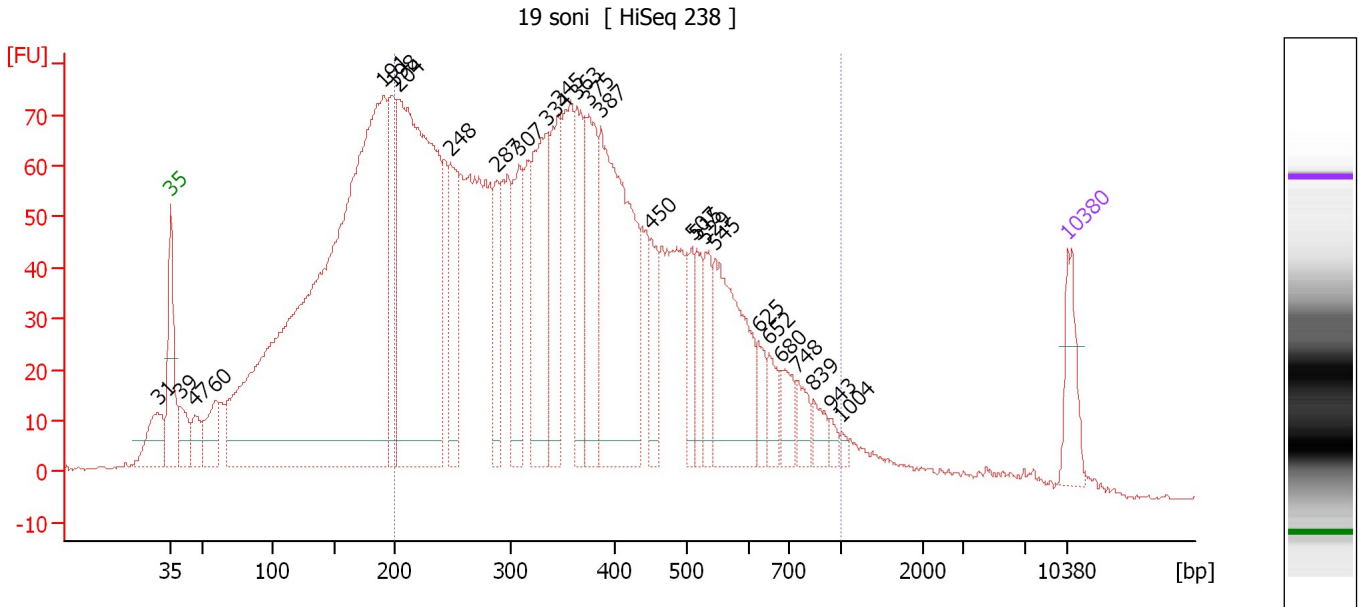
Region table for sample 2 : 1 soni

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	414	1,218.0	12,431.8	2,731.60	62	42.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2015-12-02\2015-12-02_007_HiSeq238_Soni_1_19.xad

Created: 12/2/2015 4:29:09 PM
 Modified: 12/3/2015 10:03:42 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 19 soni

Number of peaks found: 27 Corr. Area 1: 2,463.5
 Noise: 0.3

Peak table for sample 3 : 19 soni

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.97
2	35	125.00	5,411.3	Lower Marker	43.00
3	39	88.28	3,391.5		43.71
4	47	66.45	2,145.4		44.92
5	60	113.66	2,891.5		46.48
6	191	2,569.56	20,362.0		59.61
7	198	253.99	1,940.3		60.28
8	204	1,204.23	8,937.8		60.81
9	248	216.40	1,324.8		64.79
10	287	134.35	708.2		68.45
11	307	203.86	1,004.8		70.19
12	334	326.68	1,483.7		72.29
13	345	217.51	954.3		73.22
14	363	194.32	810.7		74.65
15	375	224.57	906.3		75.63
16	387	624.91	2,445.5		76.57
17	450	101.55	342.0		80.46
18	507	82.64	246.8		83.67
19	515	70.25	206.7		84.03
20	529	83.69	239.7		84.70
21	545	310.70	863.7		85.46
22	625	44.64	108.2		88.85
23	652	51.19	119.0		89.70
24	680	56.48	125.9		90.59
25	748	43.65	88.5		91.88

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2015-12-02\2015-12-02_007_HiSeq238_Soni_1_19.xad

Created: 12/2/2015 4:29:09 PM
 Modified: 12/3/2015 10:03:42 AM

Electropherogram Summary Continued ...

... Peak table for sample 3 : 19 soni

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	839	34.21	61.8		93.13
27	943	15.33	24.6		94.56
28	1,004	8.19	12.4		95.37
29	10,380	75.00	10.9	Upper Marker	113.00

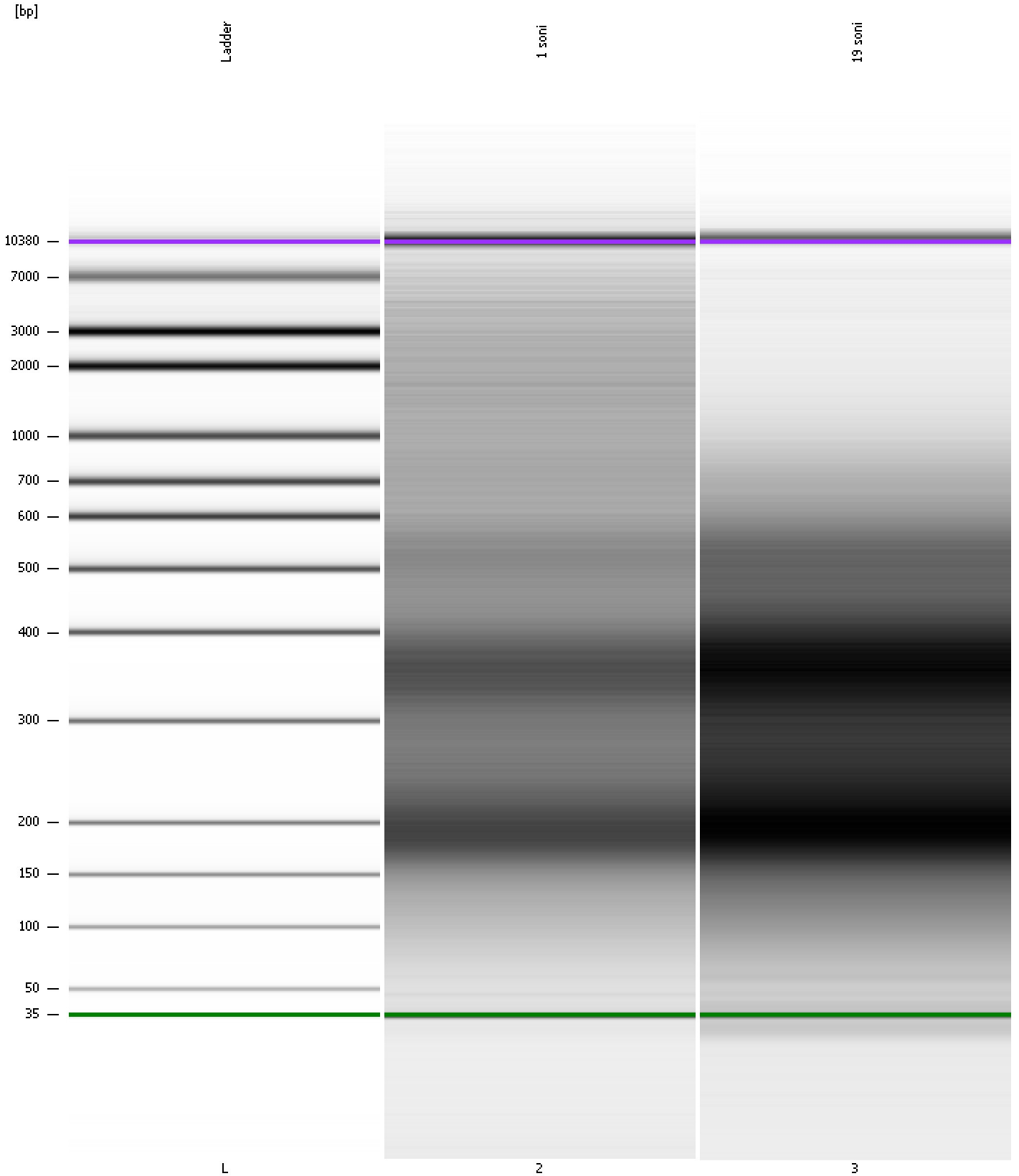
Region table for sample 3 : 19 soni

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	387	2,463.5	30,463.1	6,496.20	66	38.7

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ioanalyzer\2015-12-02\2015-12-02_007_HiSeq238_Soni_1_19.xad

Created: 12/2/2015 4:29:09 PM
Modified: 12/3/2015 10:03:42 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2015-12-02\2015-12-02_007_HiSeq238_Soni_1_19.xad

Created: 12/2/2015 4:29:09 PM
 Modified: 12/3/2015 10:03:42 AM

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		12/2/2015 5:09:37 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-12-02\2015-12-02_007.xad)		Instrument	Run		12/2/2015 4:29:15 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		12/2/2015 4:29:15 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		12/2/2015 4:29:15 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		12/2/2015 4:29:15 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		12/2/2015 4:29:15 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		12/2/2015 4:29:15 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		12/2/2015 4:29:15 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1