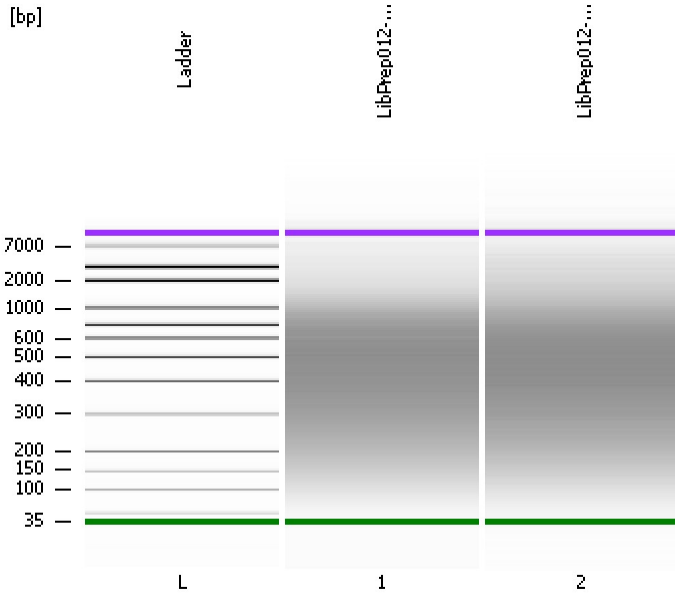


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...xpert\data\2019-10-08\2019-10-08_001_LibPre012_soni_DNA.xad

Created: 10/8/2019 10:04:50 AM
Modified: 10/8/2019 10:57:44 AM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

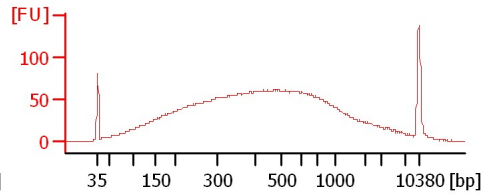
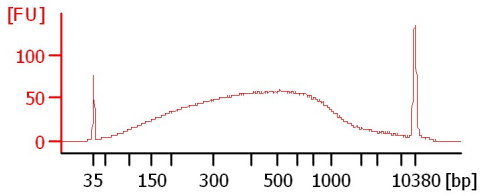
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

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

LibPrep012-1_Soni_DNA

LibPrep012-2_Soni_DNA



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...xpert\data\2019-10-08\2019-10-08_001_LibPre012_soni_DNA.xad

Created: 10/8/2019 10:04:50 AM
 Modified: 10/8/2019 10:57:44 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
LibPrep012-1_Soni_DNA		<input type="checkbox"/>				
LibPrep012-2_Soni_DNA		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>				

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...xpert\data\2019-10-08\2019-10-08_001_LibPre012_soni_DNA.xad

Created: 10/8/2019 10:04:50 AM
Modified: 10/8/2019 10:57:44 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

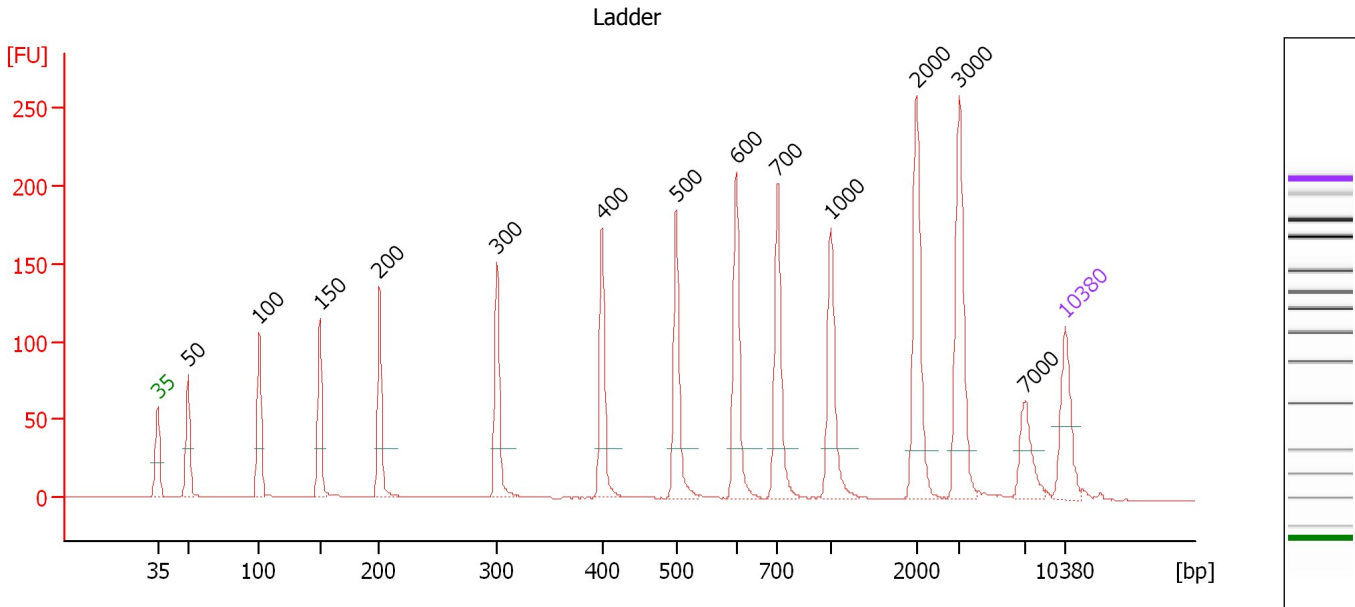
Ladder

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:\...xpert\data\2019-10-08\2019-10-08_001_LibPre012_soni_DNA.xad

Created: 10/8/2019 10:04:50 AM
 Modified: 10/8/2019 10:57:44 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

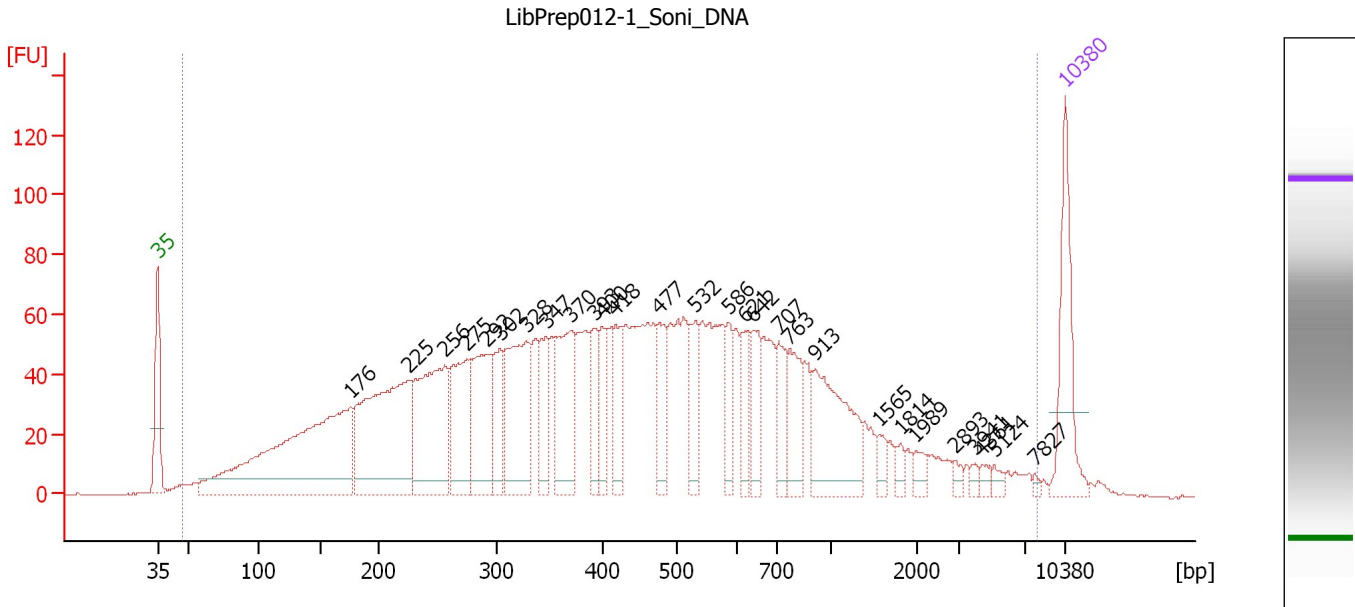
Peak table for Ladder

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	45.36
3	100	150.00	2,272.7	Ladder Peak	50.84
4	150	150.00	1,515.2	Ladder Peak	55.50
5	200	150.00	1,136.4	Ladder Peak	60.12
6	300	150.00	757.6	Ladder Peak	69.20
7	400	150.00	568.2	Ladder Peak	77.28
8	500	150.00	454.5	Ladder Peak	83.00
9	600	150.00	378.8	Ladder Peak	87.62
10	700	150.00	324.7	Ladder Peak	90.79
11	1,000	150.00	227.3	Ladder Peak	94.92
12	2,000	150.00	113.6	Ladder Peak	101.51
13	3,000	150.00	75.8	Ladder Peak	104.83
14	7,000	150.00	32.5	Ladder Peak	109.88
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...xpert\data\2019-10-08\2019-10-08_001_LibPre012_soni_DNA.xad

Created: 10/8/2019 10:04:50 AM
 Modified: 10/8/2019 10:57:44 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : LibPre012-1 Soni DNA

Number of peaks found: 28 Corr. Area 1: 3,062.2
 Noise: 0.2

Peak table for sample 1 : LibPre012-1 Soni DNA

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	176	416.97	3,592.6		57.89
3	225	286.27	1,929.7		62.37
4	256	196.33	1,164.1		65.16
5	275	112.00	618.0		66.90
6	292	120.78	627.6		68.44
7	302	60.56	303.4		69.40
8	328	146.68	678.6		71.42
9	347	55.88	244.3		72.97
10	370	105.76	433.3		74.84
11	393	43.44	167.7		76.68
12	400	46.42	175.7		77.30
13	418	42.91	155.5		78.31
14	477	51.09	162.3		81.69
15	532	48.24	137.4		84.48
16	586	35.71	92.3		86.98
17	621	39.10	95.4		88.29
18	642	44.20	104.3		88.96
19	707	40.45	86.7		90.89
20	763	56.05	111.3		91.66
21	913	115.89	192.2		93.73
22	1,565	12.19	11.8		98.64
23	1,814	8.58	7.2		100.28
24	1,989	11.12	8.5		101.44
25	2,893	5.96	3.1		104.47

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...xpert\data\2019-10-08\2019-10-08_001_LibPre012_soni_DNA.xad

Created: 10/8/2019 10:04:50 AM
 Modified: 10/8/2019 10:57:44 AM

Electropherogram Summary Continued ...

... Peak table for sample 1 : LibPre012-1 Soni DNA

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	3,941	4.99	1.9		106.01
27	4,361	6.22	2.2		106.54
28	5,124	6.05	1.8		107.51
29	7,827	2.69	0.5		110.64
30	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 1 : LibPre012-1 Soni DNA

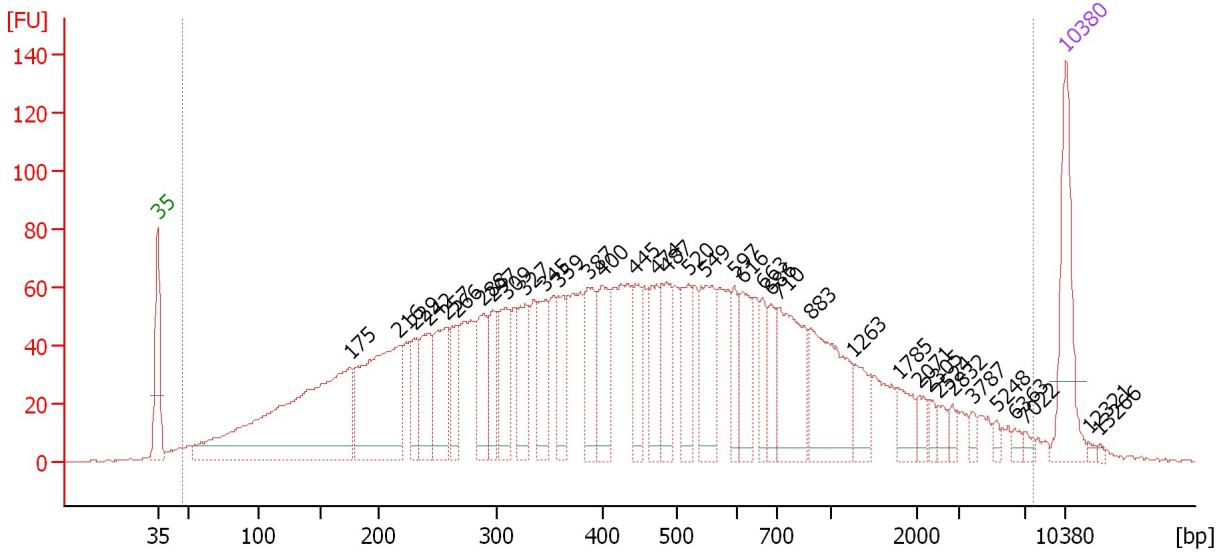
From [bp]	To [bp]	Average Size [bp]	Conc. [pg/ μ l]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
47	8,061	647	3,082.09	3,062.2	16,997.9	99	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...xpert\data\2019-10-08\2019-10-08_001_LibPre012_soni_DNA.xad

Created: 10/8/2019 10:04:50 AM
 Modified: 10/8/2019 10:57:44 AM

Electropherogram Summary Continued ...

LibPre012-2_Soni_DNA



Overall Results for sample 2 : LibPre012-2 Soni DNA

Number of peaks found: 37 Corr. Area 1: 3,337.8
 Noise: 0.3

Peak table for sample 2 : LibPre012-2 Soni DNA

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	175	415.22	3,586.9		57.84
3	216	226.18	1,585.8		61.58
4	229	43.73	289.5		62.74
5	242	70.86	444.1		63.91
6	257	84.66	499.7		65.27
7	266	47.84	272.8		66.09
8	288	65.85	346.2		68.13
9	297	48.88	249.6		68.90
10	309	69.24	339.6		69.92
11	327	64.28	297.9		71.38
12	345	57.09	250.8		72.83
13	359	46.71	197.2		73.95
14	387	65.43	256.2		76.23
15	400	67.30	254.7		77.30
16	445	53.34	181.5		79.87
17	474	55.14	176.2		81.52
18	487	58.35	181.6		82.24
19	520	55.41	161.3		83.94
20	549	77.72	214.6		85.25
21	597	33.06	83.9		87.48
22	616	52.07	128.1		88.11
23	663	30.86	70.5		89.62
24	686	30.16	66.6		90.35
25	710	102.20	218.0		90.93

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...xpert\data\2019-10-08\2019-10-08_001_LibPre012_soni_DNA.xad

Created: 10/8/2019 10:04:50 AM
 Modified: 10/8/2019 10:57:44 AM

Electropherogram Summary Continued ...

... Peak table for sample 2 : LibPrep012-2 Soni DNA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	883	109.60	188.1		93.30
27	1,263	31.09	37.3		96.65
28	1,785	23.96	20.3		100.10
29	2,071	11.99	8.8		101.75
30	2,305	7.97	5.2		102.52
31	2,524	9.61	5.8		103.25
32	2,832	8.27	4.4		104.27
33	3,787	6.81	2.7		105.82
34	5,248	5.41	1.6		107.66
35	6,363	5.31	1.3		109.07
36	7,022	5.04	1.1		109.90
37	10,380	75.00	10.9	Upper Marker	113.00
38	12,321	0.00	0.0		114.79
39	13,266	0.00	0.0		115.67

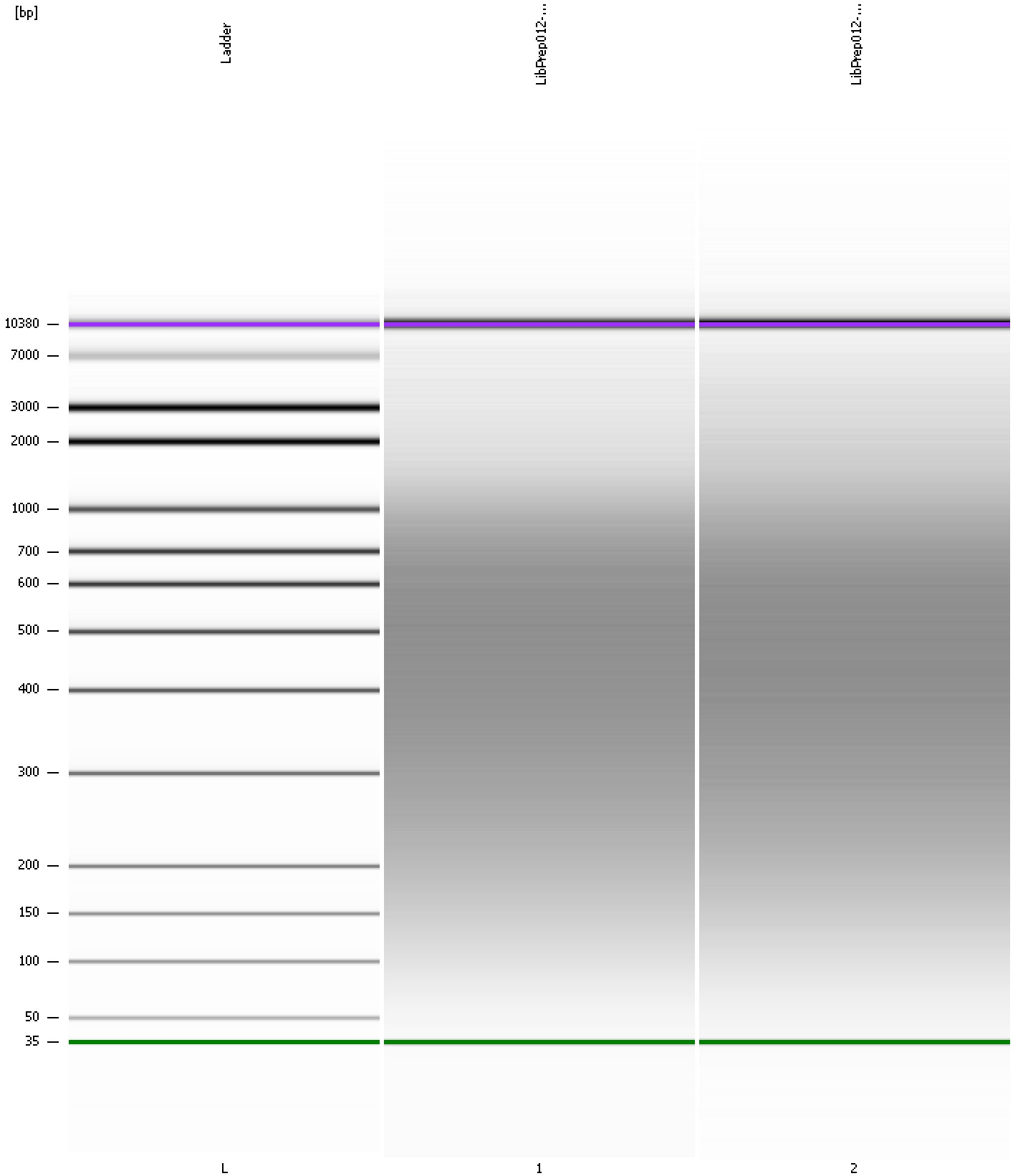
Region table for sample 2 : LibPrep012-2 Soni DNA

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
47	7,769	701	3,055.89	3,337.8	17,118.5	98	100.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...xpert\data\2019-10-08\2019-10-08_001_LibPre012_soni_DNA.xad

Created: 10/8/2019 10:04:50 AM
Modified: 10/8/2019 10:57:44 AM

Gel Image

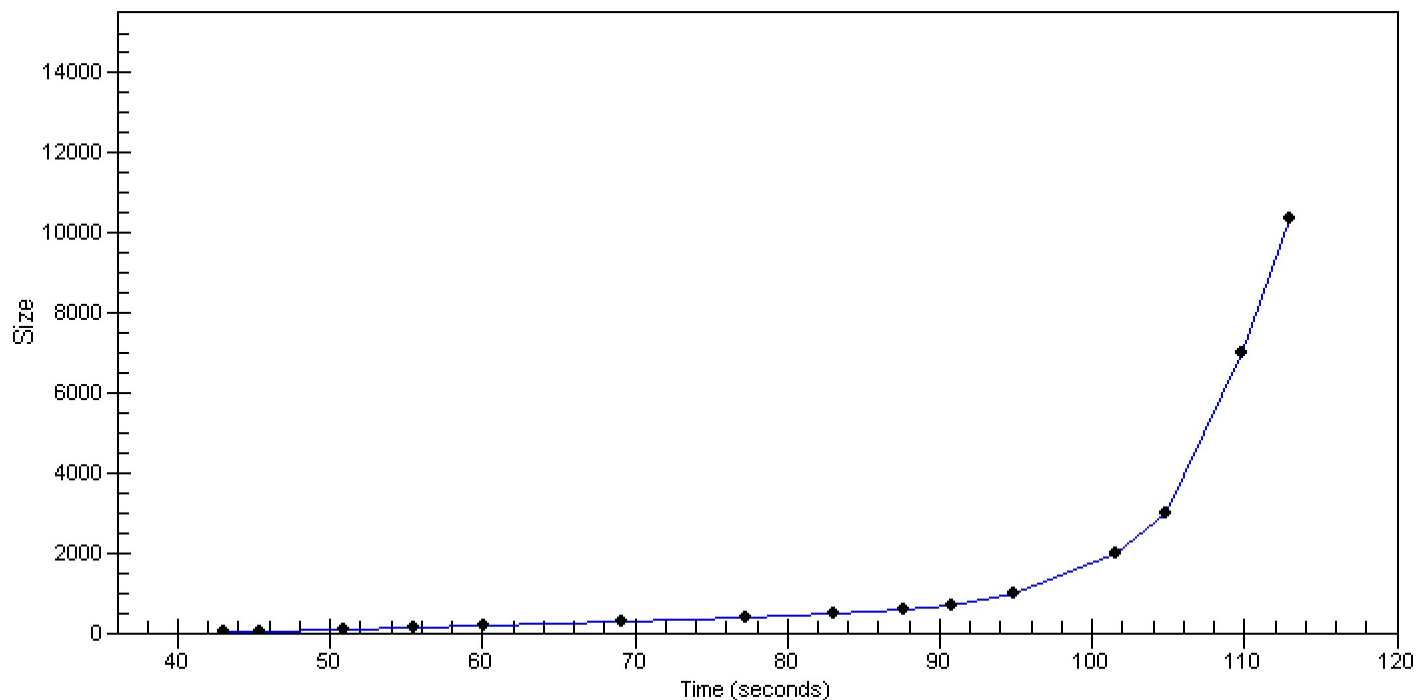


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...xpert\data\2019-10-08\2019-10-08_001_LibPre012_soni_DNA.xad

Created: 10/8/2019 10:04:50 AM
Modified: 10/8/2019 10:57:44 AM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay Created: 10/8/2019 10:04:50 AM
 Data Path: C:\...xpert\data\2019-10-08\2019-10-08_001_LibPre012_soni_DNA.xad Modified: 10/8/2019 10:57:44 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		10/8/2019 10:46:08 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-10-08\2019-10-08_001.xad)		Instrument	Run		10/8/2019 10:04:55 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938C		Instrument	Run		10/8/2019 10:04:55 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		10/8/2019 10:04:55 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		10/8/2019 10:04:55 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE34903152		Instrument	Run		10/8/2019 10:04:55 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		10/8/2019 10:04:55 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		10/8/2019 10:04:55 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1