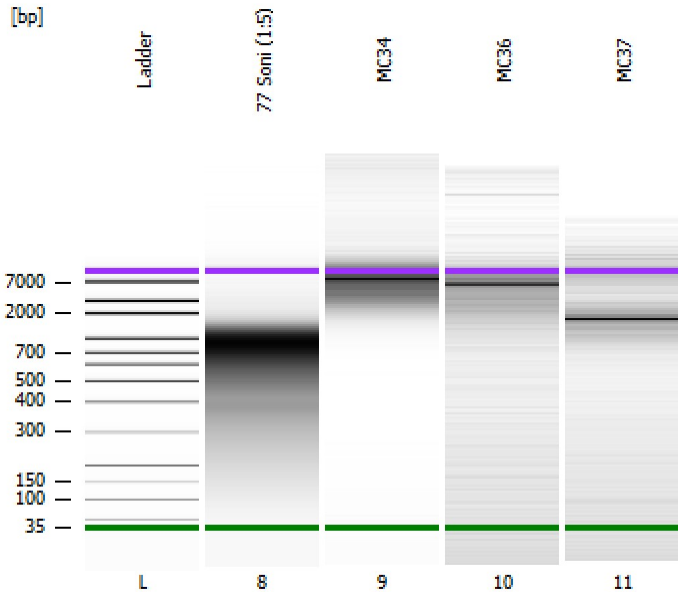


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...xpert\data\2024-07-26\Nova1139_gDNA_Soni_BioA_HS_DNA_QC.xad

Created: 7/26/2024 11:30:02 AM
Modified: 7/26/2024 2:51:17 PM

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 (x86)\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

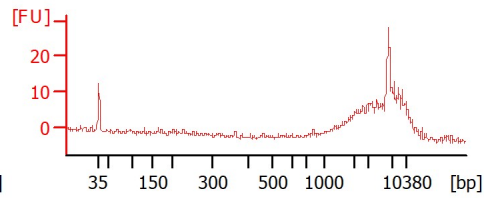
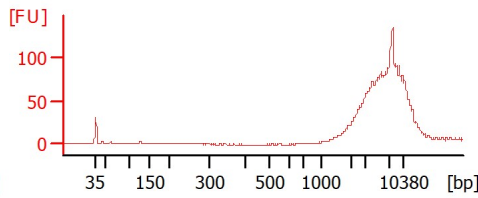
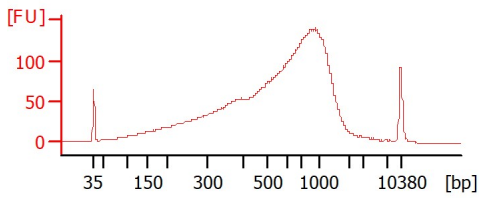
Chip Information:

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

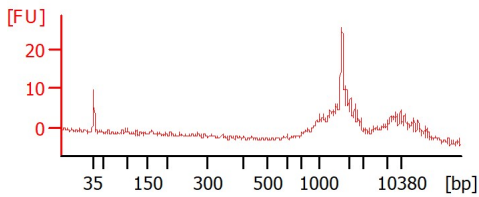
77 Soni (1:5)

MC34

MC36



MC37



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...xpert\data\2024-07-26\Nova1139_gDNA_Soni_BioA_HS_DNA_QC.xad

Created: 7/26/2024 11:30:02 AM
 Modified: 7/26/2024 2:51:17 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
77 Soni (1:5)		<input type="checkbox"/>		✓		
MC34		<input type="checkbox"/>		✓		
MC36		<input type="checkbox"/>		✓		
MC37		<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\2024-07-26\Nova1139_gDNA_Soni_BioA_HS_DNA_QC.xad

Created: 7/26/2024 11:30:02 AM
Modified: 7/26/2024 2:51:17 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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

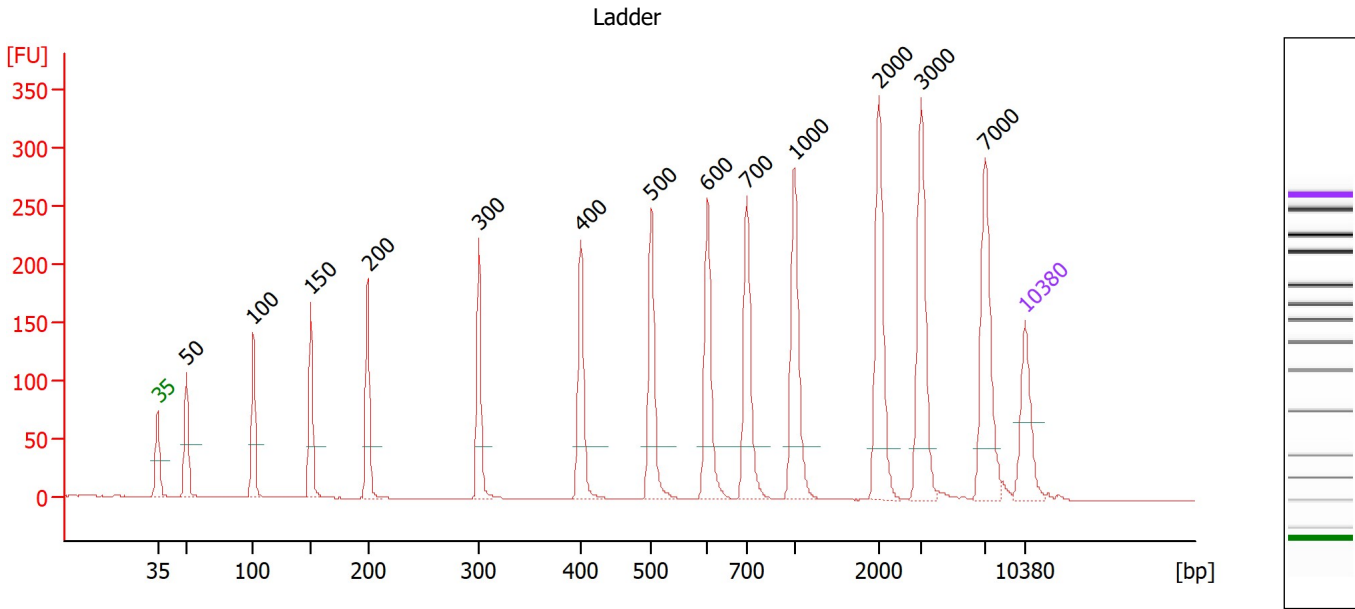
Ladder

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\2024-07-26\Nova1139_gDNA_Soni_BioA_HS_DNA_QC.xad

Created: 7/26/2024 11:30:02 AM
 Modified: 7/26/2024 2:51:17 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

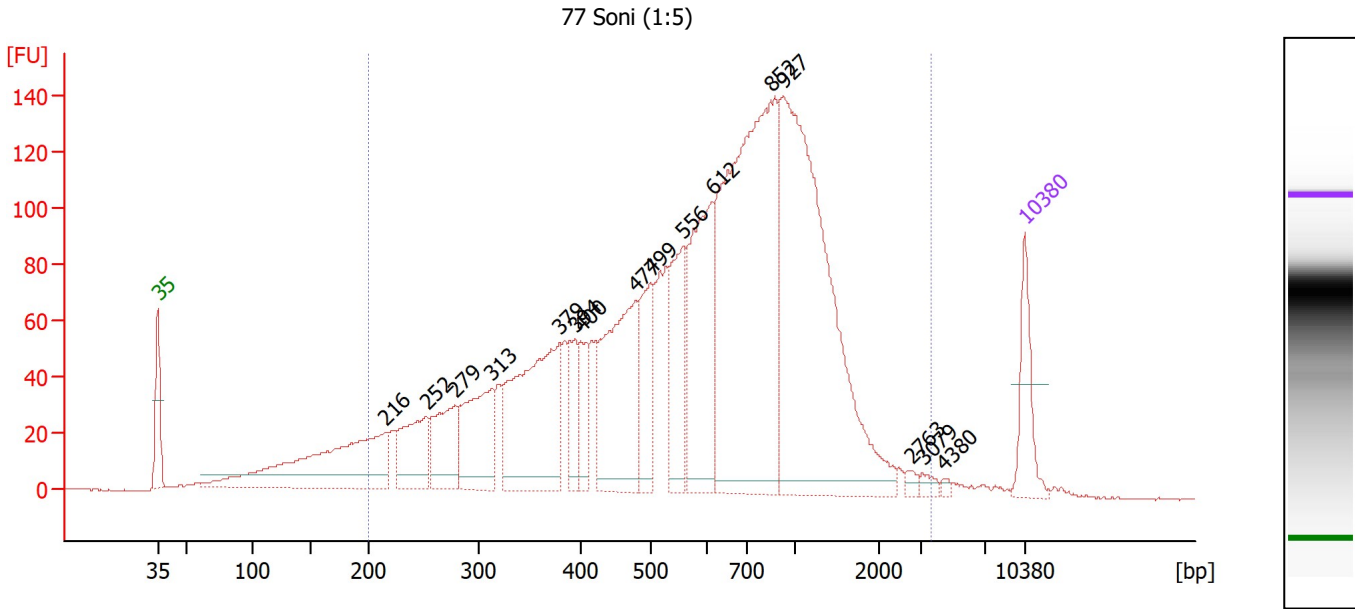
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	Ladder Peak
9	600	150.00	378.8	Ladder Peak
10	700	150.00	324.7	Ladder Peak
11	1,000	150.00	227.3	Ladder Peak
12	2,000	150.00	113.6	Ladder Peak
13	3,000	150.00	75.8	Ladder Peak
14	7,000	150.00	32.5	Ladder Peak
15	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...xpert\data\2024-07-26\Nova1139_gDNA_Soni_BioA_HS_DNA_QC.xad

Created: 7/26/2024 11:30:02 AM
 Modified: 7/26/2024 2:51:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 77 Soni (1:5)

Number of peaks found: 16 Corr. Area 1: 3,181.4
 Noise: 0.2

Peak table for sample 8 : 77 Soni (1:5)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	216	376.75	2,646.8	
3	252	143.13	859.1	
4	279	139.21	756.1	
5	313	189.37	918.1	
6	379	361.71	1,446.7	
7	394	78.49	301.9	
8	400	67.11	254.3	
9	477	320.53	1,017.1	
10	499	132.77	402.9	
11	556	163.34	445.1	
12	612	295.05	730.4	
13	852	808.87	1,439.2	
14	927	793.74	1,297.2	
15	2,763	8.66	4.8	
16	3,079	10.45	5.1	
17	4,380	4.88	1.7	
18	10,380	75.00	10.9	Upper Marker

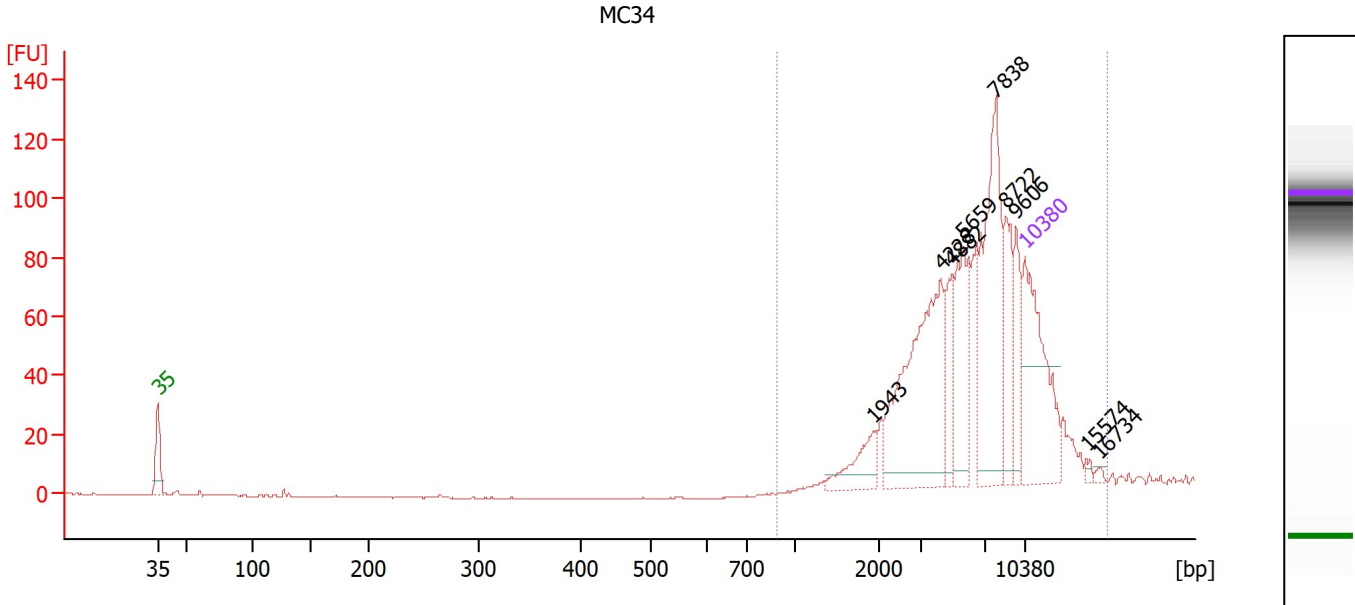
Region table for sample 8 : 77 Soni (1:5)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	3,556	3,181.4	92	721	59.0	4,055.34	12,549.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...xpert\data\2024-07-26\Nova1139_gDNA_Soni_BioA_HS_DNA_QC.xad

Created: 7/26/2024 11:30:02 AM
 Modified: 7/26/2024 2:51:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : MC34

Number of peaks found: 9 Corr. Area 1: 767.0
 Noise: 0.2

Peak table for sample 9 : MC34

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	1,943	23.34	18.2	
3	4,228	127.34	45.6	
4	4,882	27.29	8.5	
5	5,659	46.33	12.4	
6	7,838	106.76	20.6	
7	8,722	34.25	5.9	
8	9,606	26.35	4.2	
9	10,380	75.00	10.9	Upper Marker
10	15,574	0.00	0.0	
11	16,734	0.00	0.0	

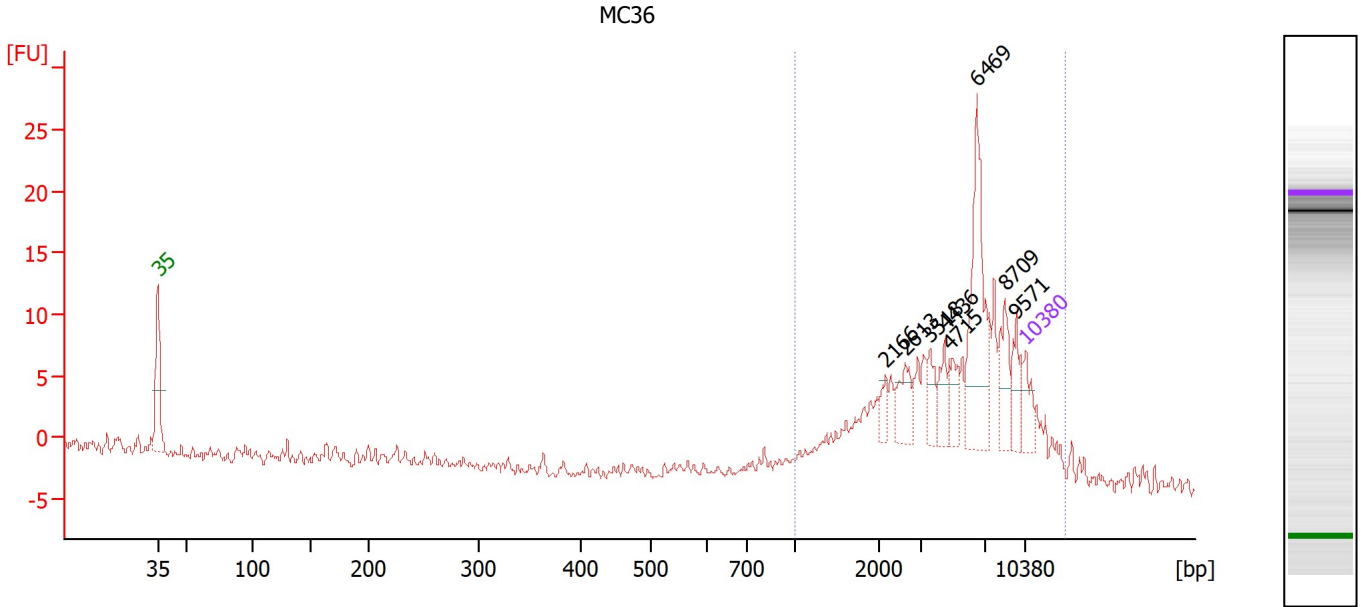
Region table for sample 9 : MC34

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
887	17,411	767.0	98	6,924	48.5	434.00	141.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...xpert\data\2024-07-26\Nova1139_gDNA_Soni_BioA_HS_DNA_QC.xad

Created: 7/26/2024 11:30:02 AM
 Modified: 7/26/2024 2:51:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : MC36

Number of peaks found: 8 Corr. Area 1: 129.9
 Noise: 0.7

Peak table for sample 10 : MC36

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	2,166	40.66	28.4	
3	2,613	95.88	55.6	
4	3,518	62.46	26.9	
5	4,436	68.94	23.5	
6	4,715	67.74	21.8	
7	6,469	380.98	89.2	
8	8,709	113.44	19.7	
9	9,571	75.84	12.0	
10	10,380	75.00	10.9	Upper Marker

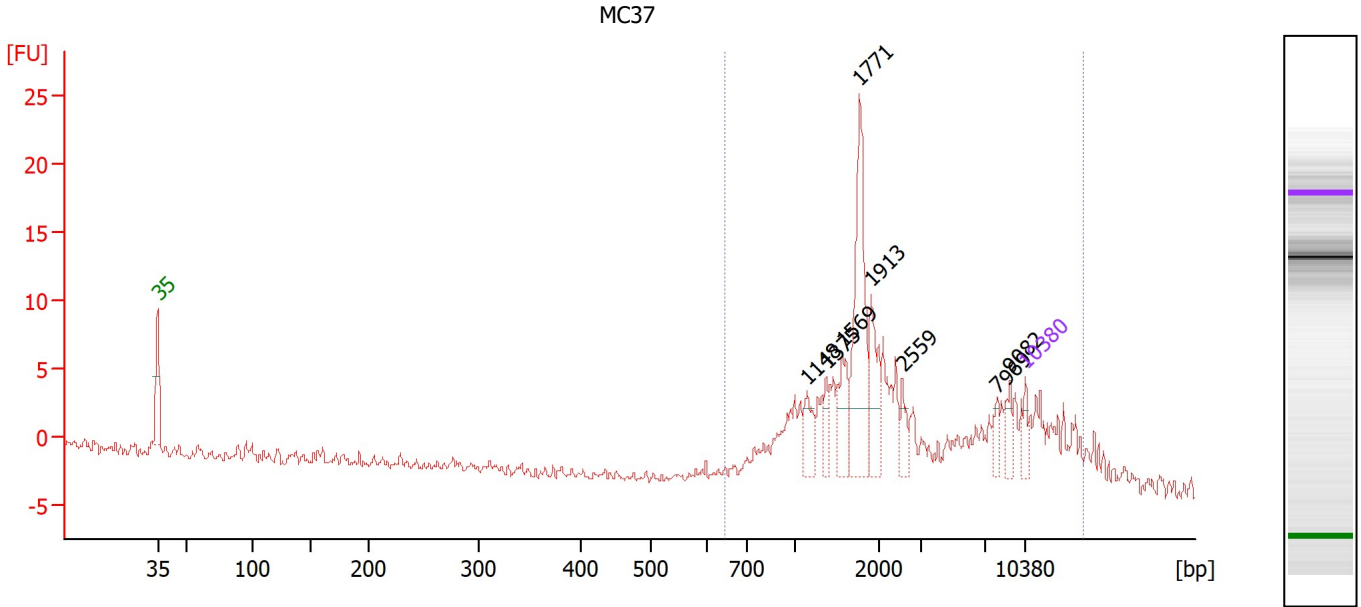
Region table for sample 10 : MC36

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
1,017	13,775	129.9	95	5,739	52.6	1,683.45	666.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...xpert\data\2024-07-26\Nova1139_gDNA_Soni_BioA_HS_DNA_QC.xad

Created: 7/26/2024 11:30:02 AM
 Modified: 7/26/2024 2:51:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : MC37

Number of peaks found: 8 Corr. Area 1: 136.1
 Noise: 0.5

Peak table for sample 11 : MC37

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	1,148	154.48	204.0	
3	1,375	111.79	123.2	
4	1,569	228.64	220.7	
5	1,771	716.47	613.1	
6	1,913	288.28	228.3	
7	2,559	102.49	60.7	
8	7,969	76.00	14.4	
9	9,082	99.17	16.5	
10	10,380	75.00	10.9	Upper Marker

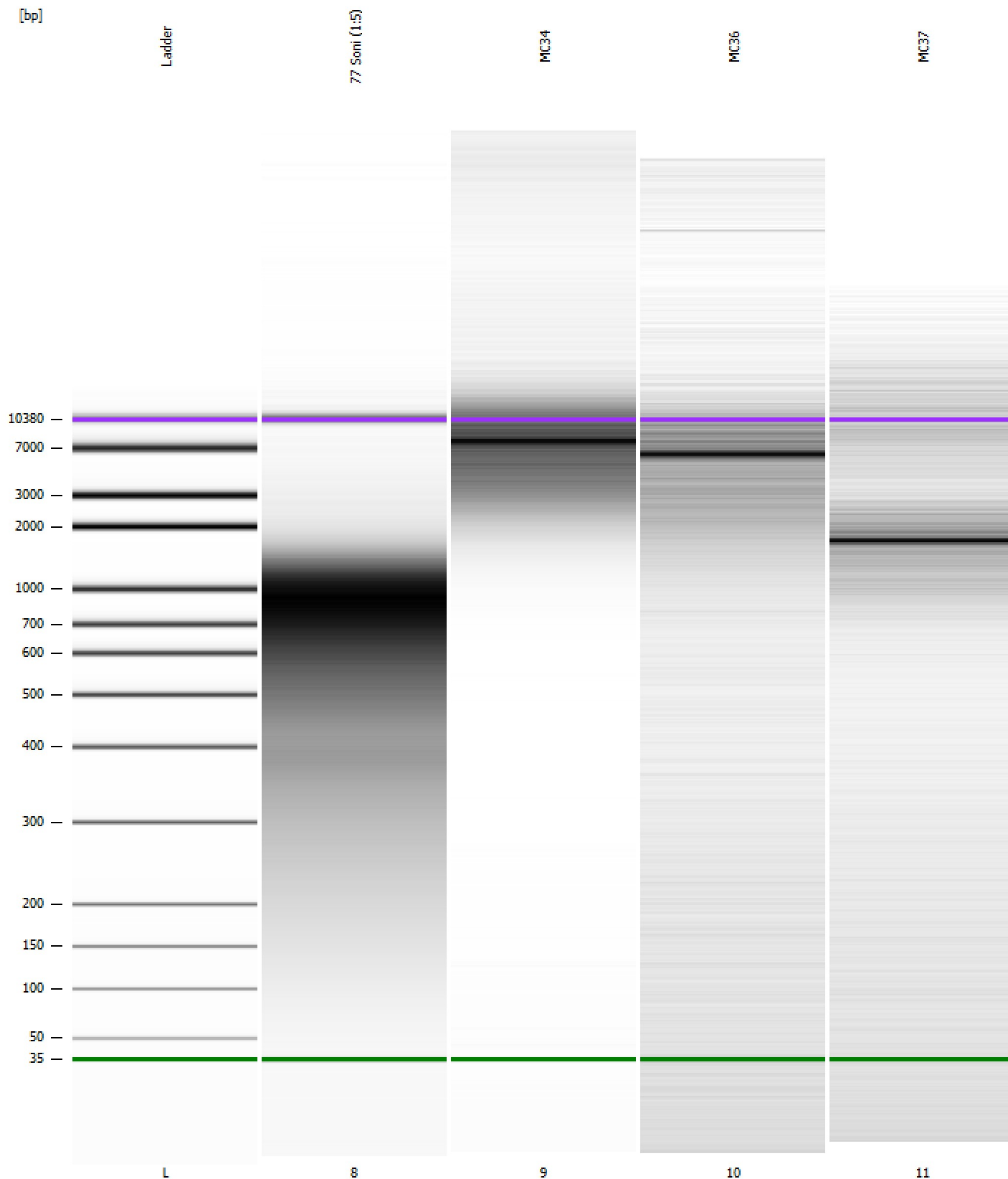
Region table for sample 11 : MC37

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
642	15,347	136.1	93	4,394	93.7	3,620.80	2,692.2	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...xpert\data\2024-07-26\Nova1139_gDNA_Soni_BioA_HS_DNA_QC.xad

Created: 7/26/2024 11:30:02 AM
Modified: 7/26/2024 2:51:17 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...xpert\data\2024-07-26\Nova1139_gDNA_Soni_BioA_HS_DNA_QC.xad

Created: 7/26/2024 11:30:02 AM
 Modified: 7/26/2024 2:51:17 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		7/26/2024 12:11:23 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2024-07-26\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2024-07-26_001.xad)		Instrument	Run		7/26/2024 11:30:11 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/26/2024 11:30:11 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/26/2024 11:30:11 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/26/2024 11:30:11 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/26/2024 11:30:11 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/26/2024 11:30:11 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/26/2024 11:30:11 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB