

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-01-20\QC1394_BioA_1-20-2023.xad

Created: 1/20/2023 6:30:22 PM
Modified: 1/20/2023 7:22:12 PM

Electrophoresis File Run Summary

Instrument Information:

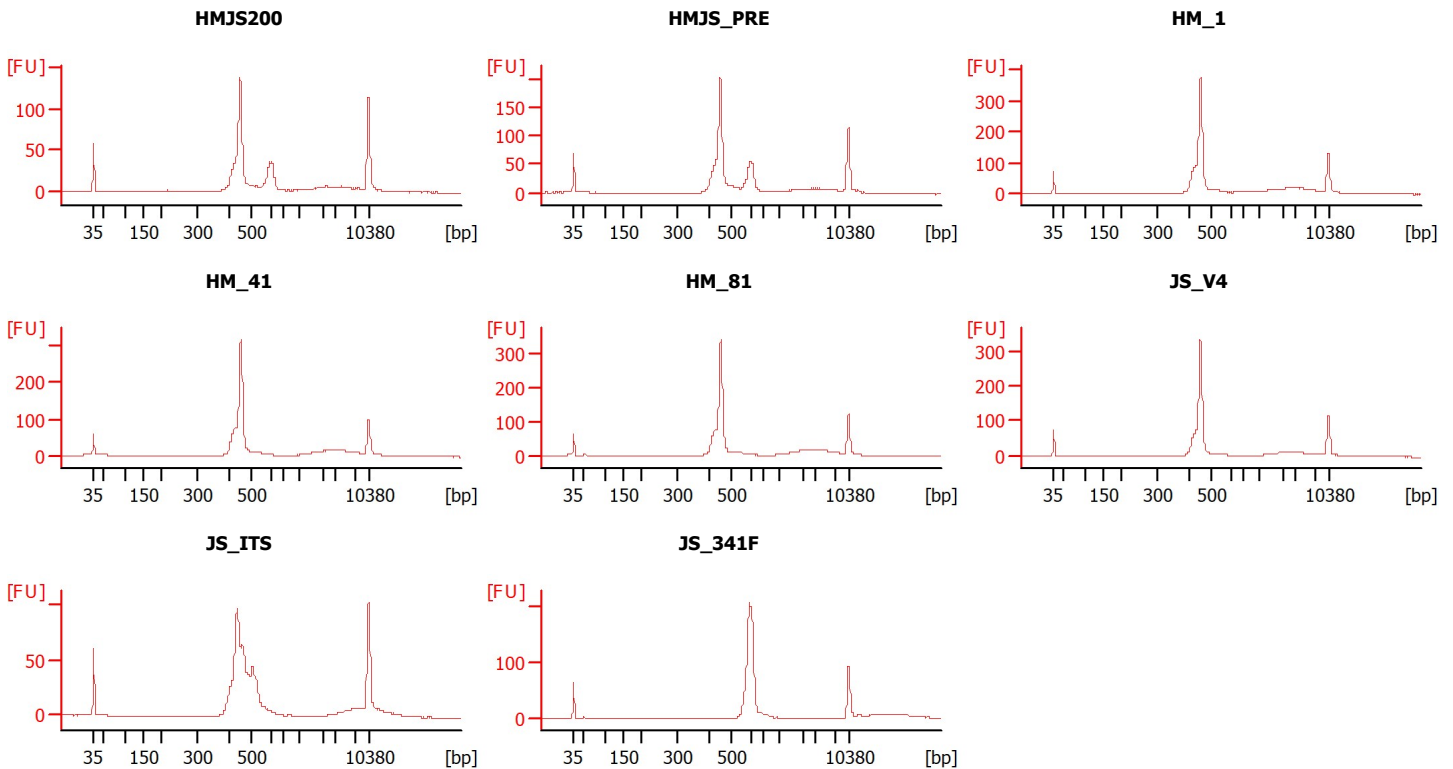
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-01-20\QC1394_BioA_1-20-2023.xad

Created: 1/20/2023 6:30:22 PM
 Modified: 1/20/2023 7:22:12 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
HMJS200		<input type="checkbox"/>		✓		
HMJS_PRE		<input type="checkbox"/>		✓		
HM_1		<input type="checkbox"/>		✓		
HM_41		<input type="checkbox"/>		✓		
HM_81		<input type="checkbox"/>		✓		
JS_V4		<input type="checkbox"/>		✓		
JS_ITS		<input type="checkbox"/>		✓		
JS_341F		<input type="checkbox"/>		✓		
sample 11		<input type="checkbox"/>		✗		
Ladder		<input type="checkbox"/>		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-01-20\QC1394_BioA_1-20-2023.xad

Created: 1/20/2023 6:30:22 PM
Modified: 1/20/2023 7:22:12 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

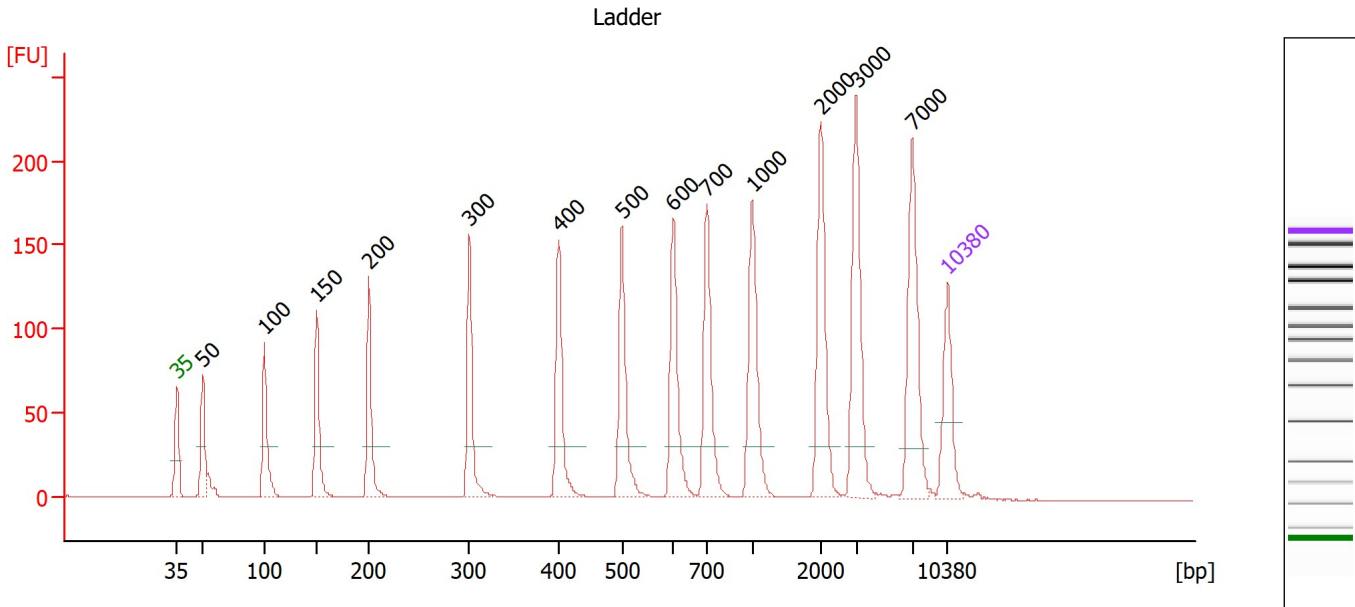
Ladder

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:\Users\sbsuser\Desktop\2023-01-20\QC1394_BioA_1-20-2023.xad

Created: 1/20/2023 6:30:22 PM
 Modified: 1/20/2023 7:22:12 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

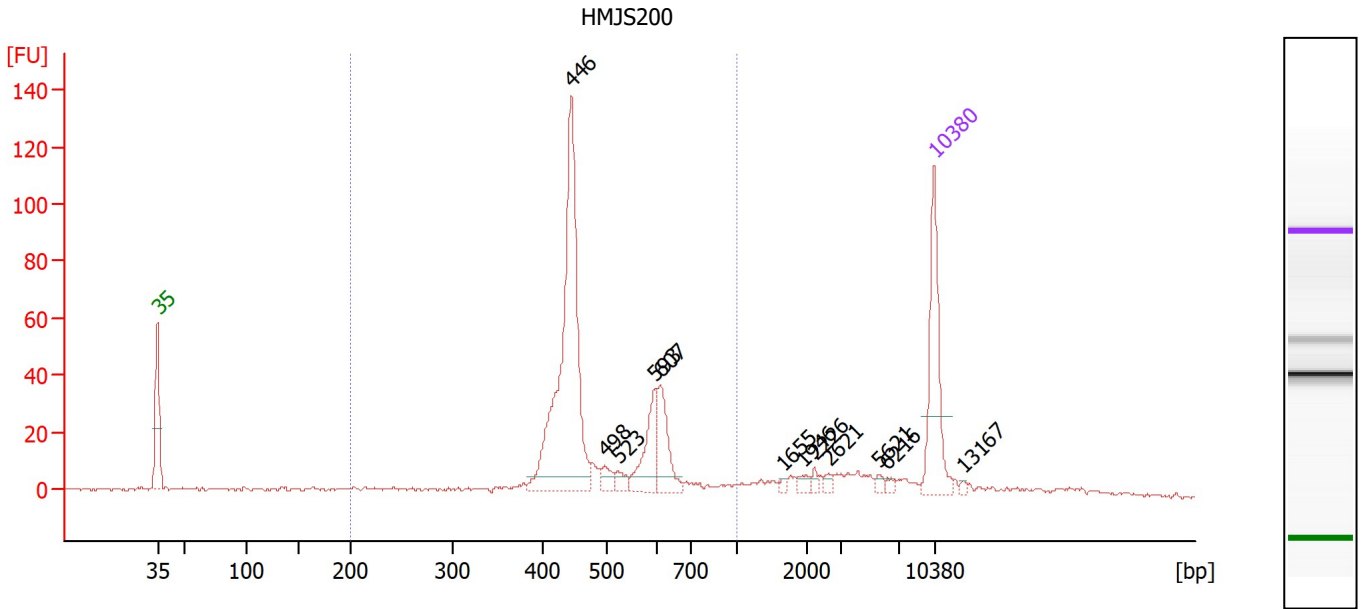
Peak table for Ladder

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:\Users\sbsuser\Desktop\2023-01-20\QC1394_BioA_1-20-2023.xad

Created: 1/20/2023 6:30:22 PM
 Modified: 1/20/2023 7:22:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : HMJS200

Number of peaks found: 12 Corr. Area 1: 469.0
 Noise: 0.6

Peak table for sample 3 : HMJS200

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	446	310.35	1,054.9	
3	498	11.41	34.7	
4	523	10.29	29.8	
5	593	49.98	127.6	
6	607	47.75	119.3	
7	1,655	2.98	2.7	
8	1,946	5.60	4.4	
9	2,226	3.69	2.5	
10	2,621	4.10	2.4	
11	5,621	4.53	1.2	
12	6,216	3.17	0.8	
13	10,380	75.00	10.9	Upper Marker
14	13,167	0.00	0.0	

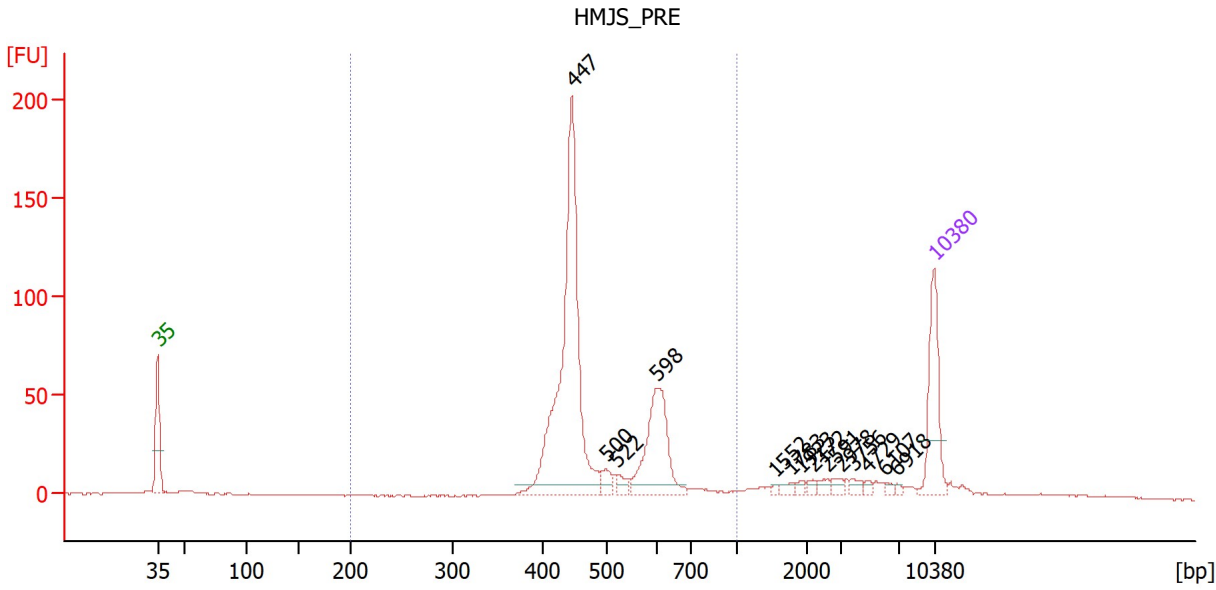
Region table for sample 3 : HMJS200

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	469.0	75	489	22.0	508.81	1,683.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-01-20\QC1394_BioA_1-20-2023.xad

Created: 1/20/2023 6:30:22 PM
 Modified: 1/20/2023 7:22:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : HMJS_PRE

Number of peaks found: 14 Corr. Area 1: 645.3
 Noise: 0.2

Peak table for sample 4 : HMJS_PRE

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	447	440.62	1,495.0	
3	500	16.79	50.9	
4	522	12.45	36.1	
5	598	132.33	335.4	
6	1,552	2.63	2.6	
7	1,783	6.07	5.2	
8	1,923	4.44	3.5	
9	2,172	4.96	3.5	
10	2,591	6.91	4.0	
11	2,978	7.09	3.6	
12	3,756	6.77	2.7	
13	4,729	4.67	1.5	
14	6,107	3.62	0.9	
15	6,918	2.62	0.6	
16	10,380	75.00	10.9	Upper Marker

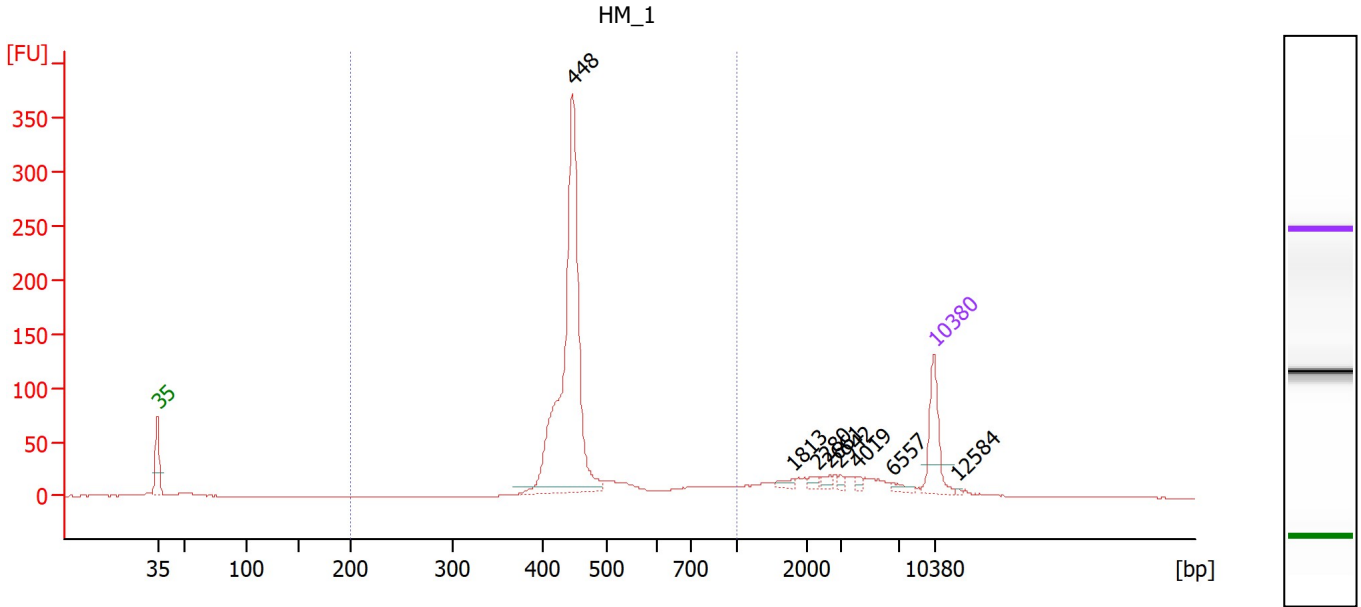
Region table for sample 4 : HMJS_PRE

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	645.3	78	495	19.2	649.23	2,067.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-01-20\QC1394_BioA_1-20-2023.xad

Created: 1/20/2023 6:30:22 PM
 Modified: 1/20/2023 7:22:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : HM_1

Number of peaks found: 8 Corr. Area 1: 894.1
 Noise: 0.2

Peak table for sample 5 : HM_1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	448	688.47	2,327.9	
3	1,813	8.13	6.8	
4	2,280	8.26	5.5	
5	2,661	9.17	5.2	
6	2,942	6.05	3.1	
7	4,019	6.97	2.6	
8	6,557	9.29	2.1	
9	10,380	75.00	10.9	Upper Marker
10	12,584	0.00	0.0	

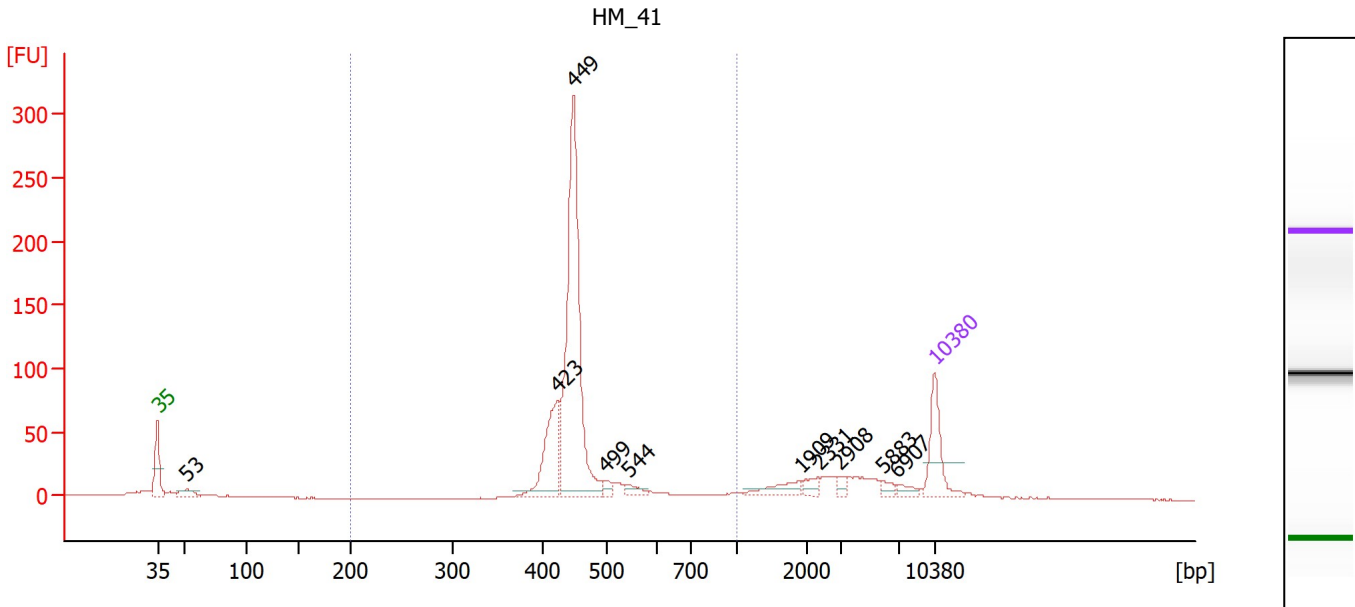
Region table for sample 5 : HM_1

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	894.1	74	476	21.7	844.62	2,788.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-01-20\QC1394_BioA_1-20-2023.xad

Created: 1/20/2023 6:30:22 PM
 Modified: 1/20/2023 7:22:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : HM_41

Number of peaks found: 10 Corr. Area 1: 731.5
 Noise: 0.3

Peak table for sample 6 : HM_41

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	53	27.97	806.3	
3	423	160.02	572.8	
4	449	565.37	1,909.1	
5	499	12.97	39.4	
6	544	15.72	43.8	
7	1,909	30.01	23.8	
8	2,331	16.63	10.8	
9	2,908	11.12	5.8	
10	5,883	11.80	3.0	
11	6,907	12.56	2.8	
12	10,380	75.00	10.9	Upper Marker

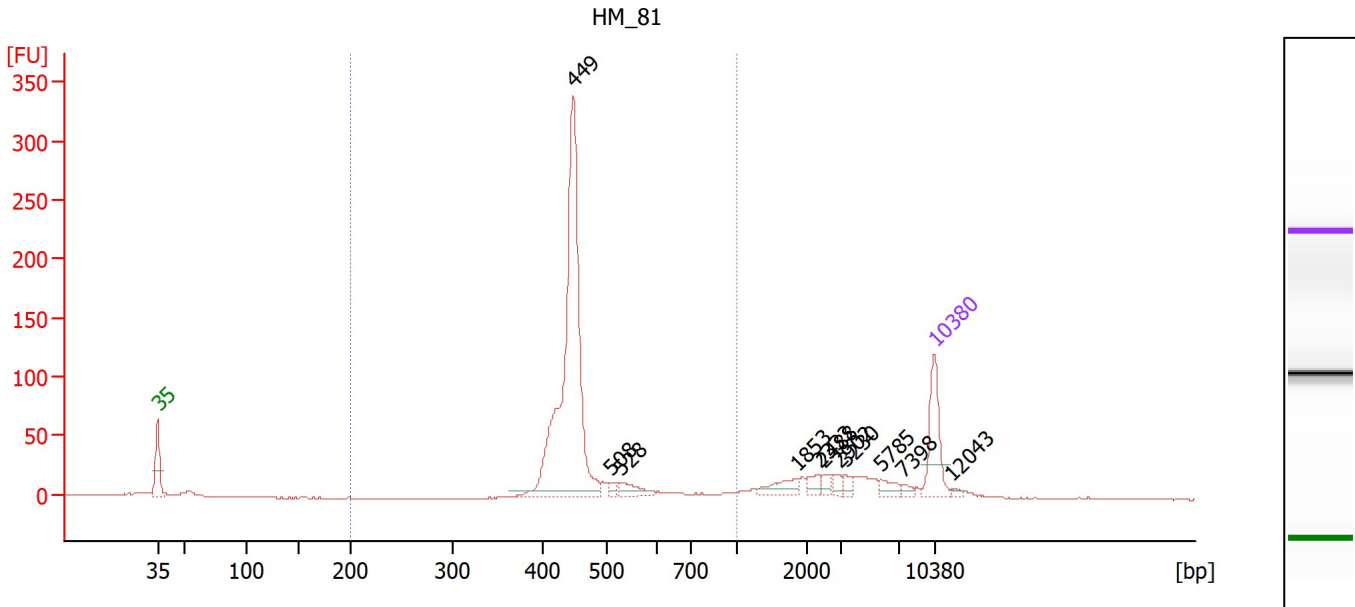
Region table for sample 6 : HM_41

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	731.5	73	460	15.5	820.08	2,747.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-01-20\QC1394_BioA_1-20-2023.xad

Created: 1/20/2023 6:30:22 PM
 Modified: 1/20/2023 7:22:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : HM_81

Number of peaks found: 11 Corr. Area 1: 744.5
 Noise: 0.2

Peak table for sample 7 : HM_81

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	449	641.74	2,166.2	
3	508	9.08	27.1	
4	528	25.47	73.1	
5	1,853	26.75	21.9	
6	2,333	14.26	9.3	
7	2,488	10.65	6.5	
8	2,902	10.60	5.5	
9	3,230	10.20	4.8	
10	5,785	15.74	4.1	
11	7,398	6.95	1.4	
12	10,380	75.00	10.9	Upper Marker
13	12,043	0.00	0.0	

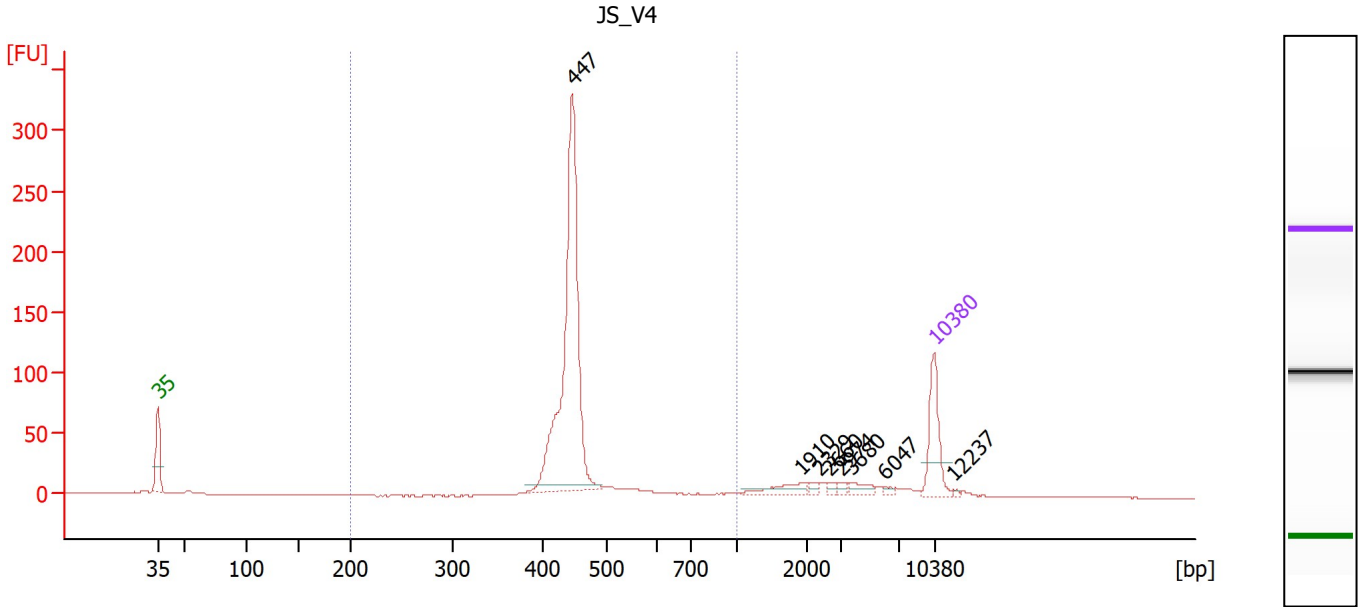
Region table for sample 7 : HM_81

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	744.5	74	462	15.8	719.04	2,403.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-01-20\QC1394_BioA_1-20-2023.xad

Created: 1/20/2023 6:30:22 PM
 Modified: 1/20/2023 7:22:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : JS_V4

Number of peaks found: 8 Corr. Area 1: 657.7
 Noise: 0.2

Peak table for sample 8 : JS_V4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	447	587.32	1,990.9	
3	1,910	25.29	20.1	
4	2,329	6.71	4.4	
5	2,660	7.42	4.2	
6	2,974	6.43	3.3	
7	3,680	15.73	6.5	
8	6,047	4.44	1.1	
9	10,380	75.00	10.9	Upper Marker
10	12,237	0.00	0.0	

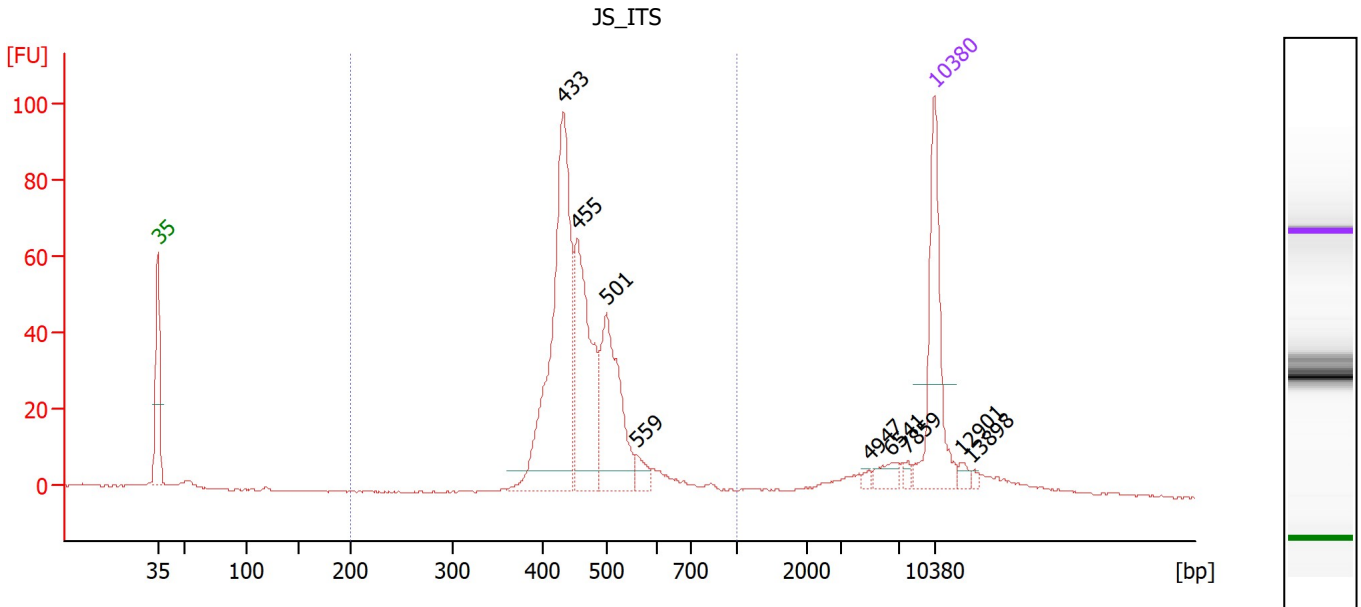
Region table for sample 8 : JS_V4

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	657.7	81	453	12.8	663.65	2,243.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-01-20\QC1394_BioA_1-20-2023.xad

Created: 1/20/2023 6:30:22 PM
 Modified: 1/20/2023 7:22:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : JS ITS

Number of peaks found: 9 Corr. Area 1: 524.7
 Noise: 0.2

Peak table for sample 9 : JS ITS

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	433	241.64	845.1	
3	455	134.96	449.7	
4	501	109.42	331.0	
5	559	11.35	30.8	
6	4,947	2.70	0.8	
7	6,541	10.26	2.4	
8	7,859	3.83	0.7	
9	10,380	75.00	10.9	Upper Marker
10	12,901	0.00	0.0	
11	13,898	0.00	0.0	

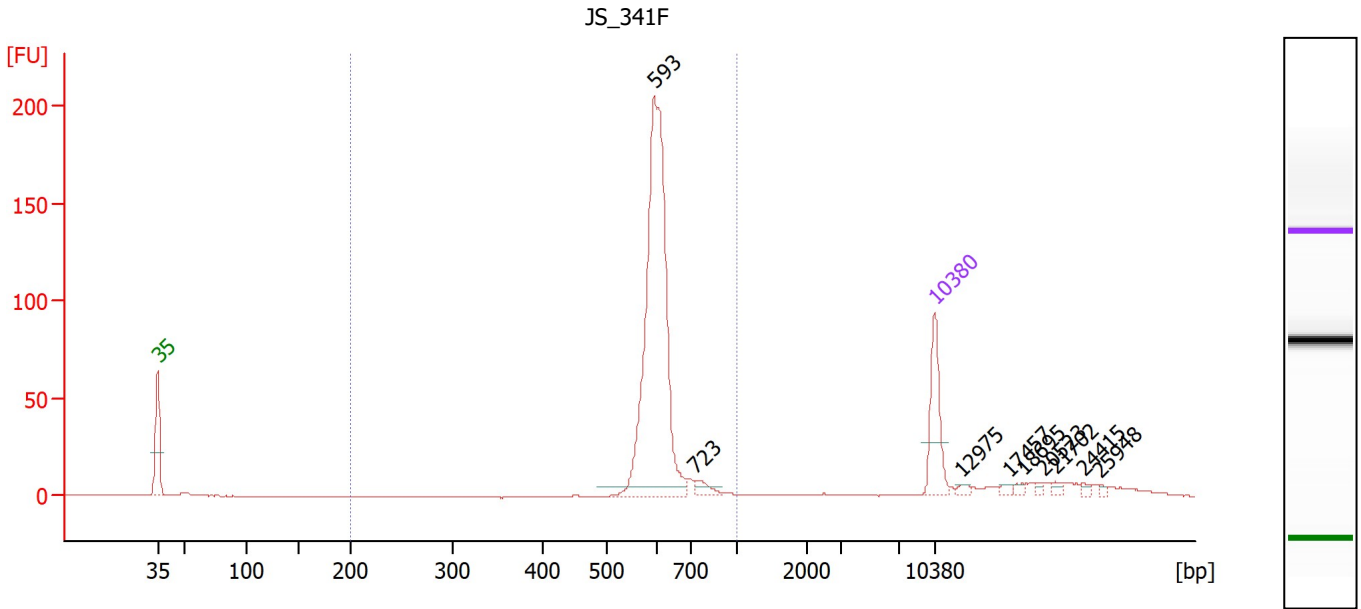
Region table for sample 9 : JS ITS

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	524.7	84	470	14.1	523.85	1,717.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-01-20\QC1394_BioA_1-20-2023.xad

Created: 1/20/2023 6:30:22 PM
 Modified: 1/20/2023 7:22:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : JS_341F

Number of peaks found: 9 Corr. Area 1: 515.7
 Noise: 0.2

Peak table for sample 10 : JS_341F

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	593	601.45	1,535.8	
3	723	16.41	34.4	
4	10,380	75.00	10.9	Upper Marker
5	12,975	0.00	0.0	
6	17,457	0.00	0.0	
7	18,695	0.00	0.0	
8	20,523	0.00	0.0	
9	21,702	0.00	0.0	
10	24,415	0.00	0.0	
11	25,948	0.00	0.0	

Region table for sample 10 : JS_341F

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	515.7	76	609	8.8	648.85	1,626.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-01-20\QC1394_BioA_1-20-2023.xad

Created: 1/20/2023 6:30:22 PM
Modified: 1/20/2023 7:22:12 PM

Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-01-20\QC1394_BioA_1-20-2023.xad

Created: 1/20/2023 6:30:22 PM
Modified: 1/20/2023 7:22:12 PM

Invalid Samples

Sample 11 has not been run, no results available.

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-01-20\QC1394_BioA_1-20-2023.xad

Created: 1/20/2023 6:30:22 PM
 Modified: 1/20/2023 7:22:12 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 11)		Instrument	Run		1/20/2023 7:08:48 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-01-20\Bioanalyzer1_High Sensitivity DNA Assay_2023-01-20_001.xad)		Instrument	Run		1/20/2023 6:30:28 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		1/20/2023 6:30:28 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		1/20/2023 6:30:28 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		1/20/2023 6:30:28 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		1/20/2023 6:30:28 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		1/20/2023 6:30:28 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		1/20/2023 6:30:28 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB