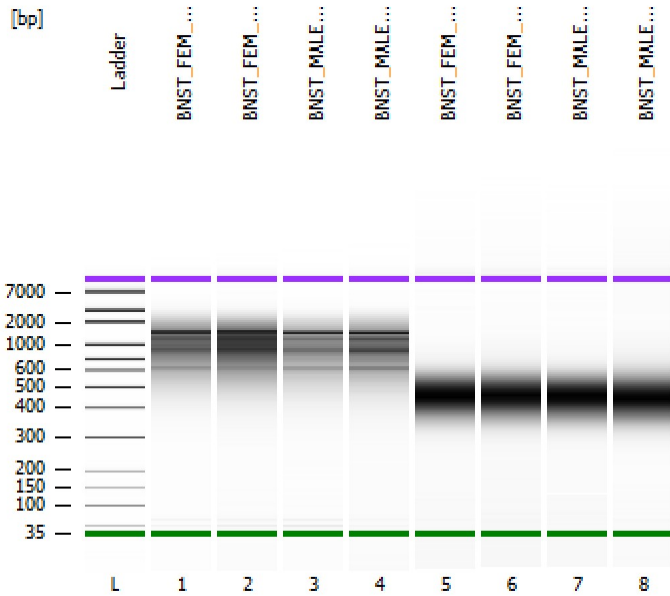


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\2100 expert\data\2024-07-27\10XSC0363 cDNA & Libraries.xad

Created: 7/27/2024 1:06:19 PM
Modified: 7/27/2024 1:48:34 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

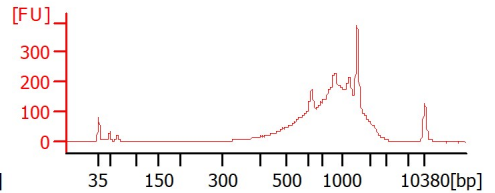
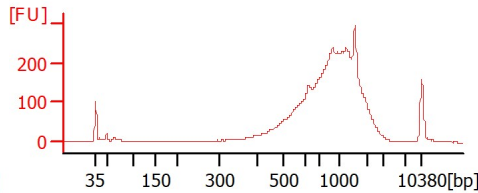
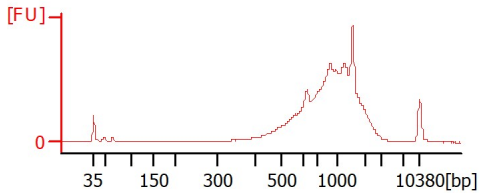
Chip Information:

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

BNST_FEM_S3 cDNA

BNST_FEM_C3 cDNA

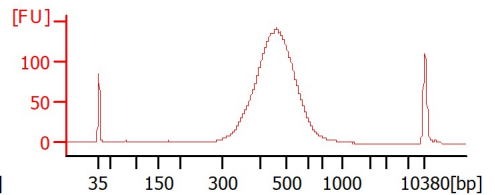
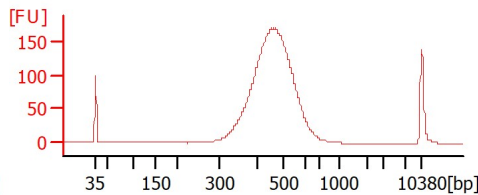
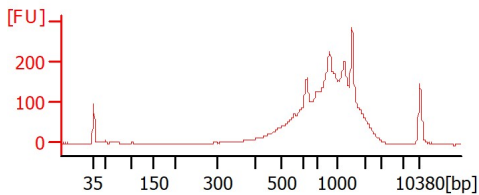
BNST_MALE_S3 cDNA



BNST_MALE_C3 cDNA

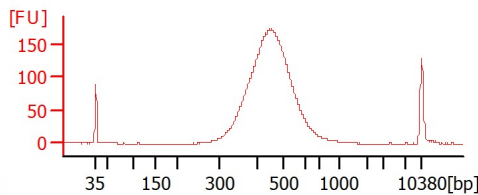
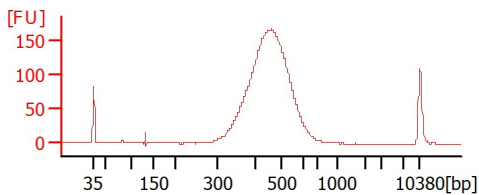
BNST_FEM_S3 Library

BNST_FEM_C3 Library



BNST_MALE_S3 Library

BNST_MALE_C3 Library



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\2100 expert\data\2024-07-27\10XSC0363 cDNA & Libraries.xad

Created: 7/27/2024 1:06:19 PM
Modified: 7/27/2024 1:48:34 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
BNST_FEM_S3 cDNA		<input type="checkbox"/>		✓		
BNST_FEM_C3 cDNA		<input type="checkbox"/>		✓		
BNST_MALE_S3 cDNA		<input type="checkbox"/>		✓		
BNST_MALE_C3 cDNA		<input type="checkbox"/>		✓		
BNST_FEM_S3 Library		<input type="checkbox"/>		✓		
BNST_FEM_C3 Library		<input type="checkbox"/>		✓		
BNST_MALE_S3 Library		<input type="checkbox"/>		✓		
BNST_MALE_C3 Library		<input type="checkbox"/>		✓		
Ladder		<input type="checkbox"/>		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\2100 expert\data\2024-07-27\10XSC0363 cDNA & Libraries.xad

Created: 7/27/2024 1:06:19 PM
Modified: 7/27/2024 1:48:34 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

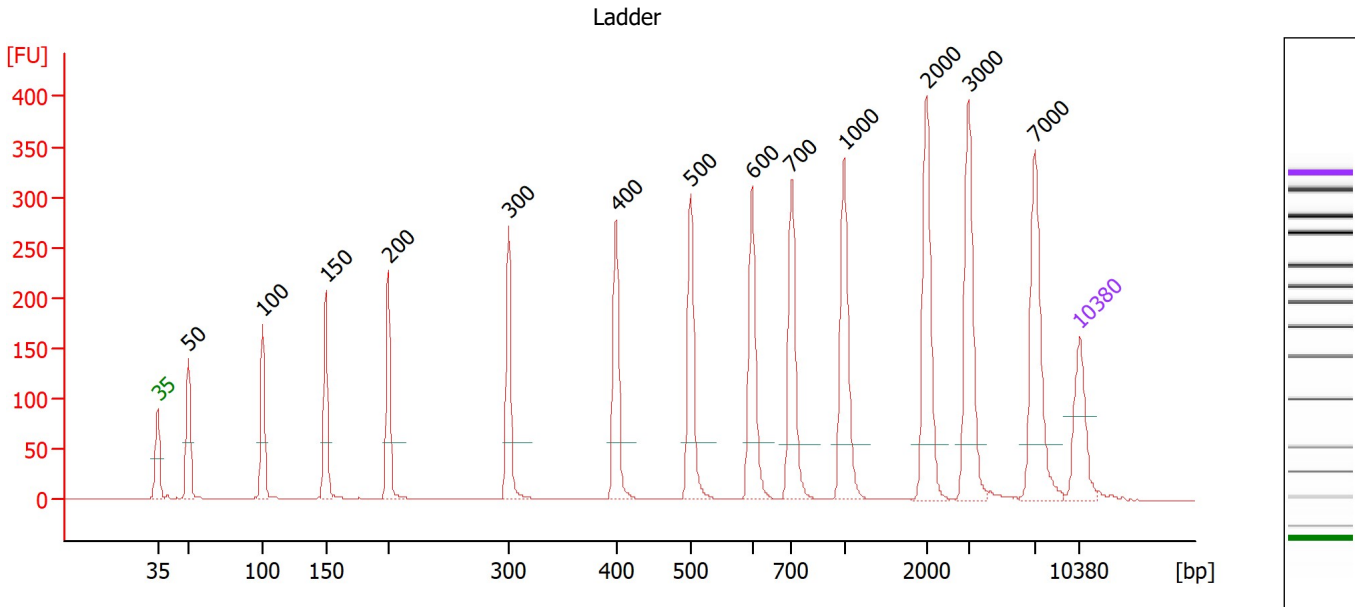
Ladder

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:\...\2100 expert\data\2024-07-27\10XSC0363 cDNA & Libraries.xad

Created: 7/27/2024 1:06:19 PM
 Modified: 7/27/2024 1:48:34 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

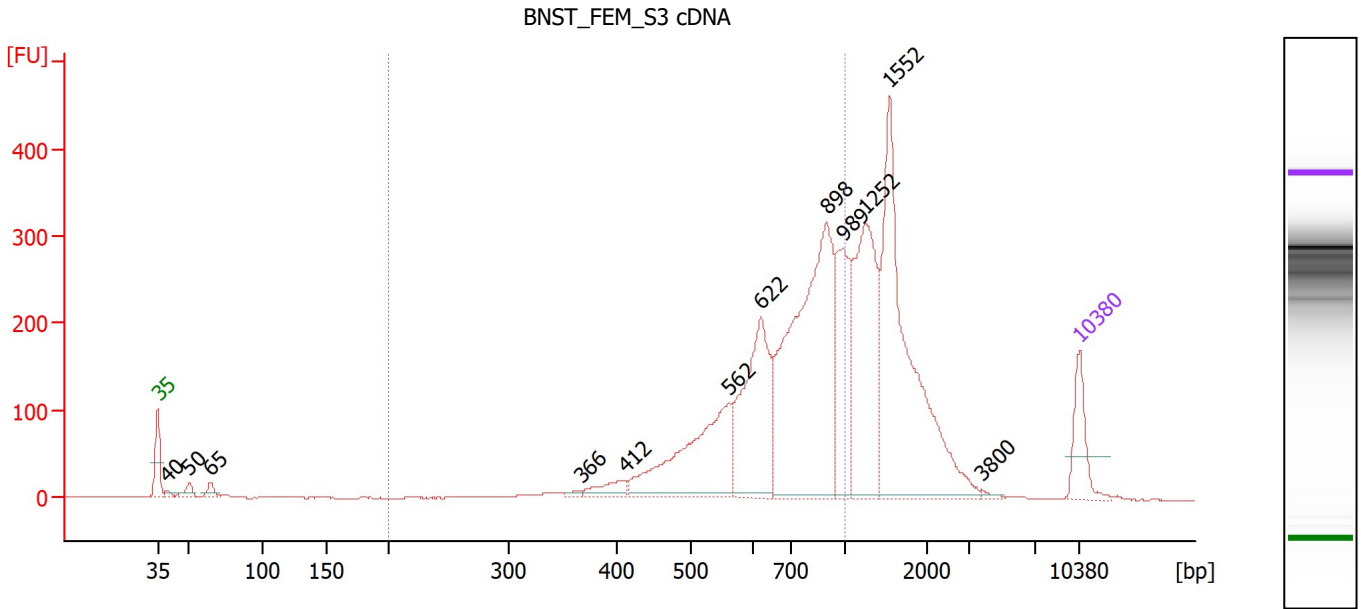
Peak table for Ladder

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:\...\2100 expert\data\2024-07-27\10XSC0363 cDNA & Libraries.xad

Created: 7/27/2024 1:06:19 PM
 Modified: 7/27/2024 1:48:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : BNST_FEM_S3 cDNA

Number of peaks found: 12 Corr. Area 1: 2,673.1
 Noise: 0.3

Peak table for sample 1 : BNST_FEM_S3 cDNA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	40	10.41	398.1	
3	50	26.14	784.9	
4	65	23.77	554.7	
5	366	7.18	29.7	
6	412	40.35	148.5	
7	562	340.27	916.6	
8	622	343.83	837.9	
9	898	710.34	1,198.0	
10	989	189.38	290.3	
11	1,252	369.14	446.6	
12	1,552	568.13	554.7	
13	3,800	5.54	2.2	
14	10,380	75.00	10.9	Upper Marker

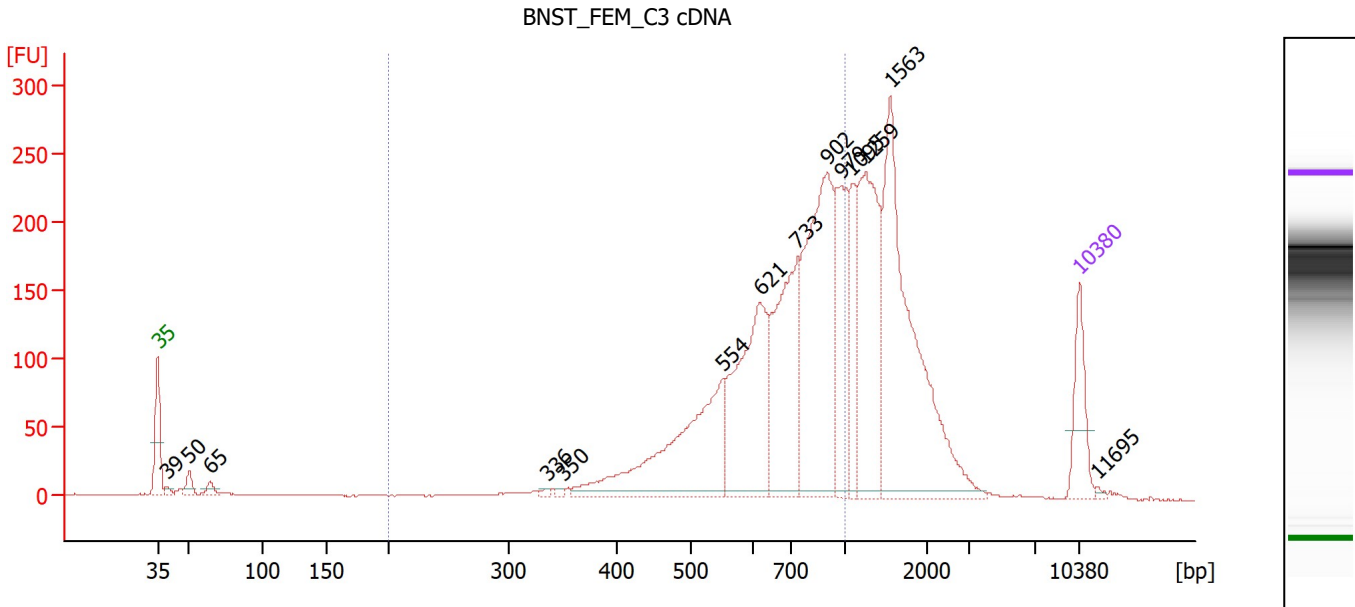
Region table for sample 1 : BNST_FEM_S3 cDNA

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	2,673.1	57	698	24.1	1,666.94	3,947.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\2100 expert\data\2024-07-27\10XSC0363 cDNA & Libraries.xad

Created: 7/27/2024 1:06:19 PM
 Modified: 7/27/2024 1:48:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : BNST_FEM_C3 cDNA

Number of peaks found: 14 Corr. Area 1: 2,163.2
 Noise: 0.3

Peak table for sample 2 : BNST_FEM_C3 cDNA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	39	9.84	378.6	
3	50	23.20	698.1	
4	65	17.40	408.0	
5	336	5.28	23.8	
6	350	4.85	21.0	
7	554	350.78	959.9	
8	621	313.29	764.7	
9	733	282.96	584.5	
10	902	422.37	709.6	
11	979	166.87	258.3	
12	1,095	101.04	139.8	
13	1,259	286.61	344.9	
14	1,563	473.94	459.3	
15	10,380	75.00	10.9	Upper Marker
16	11,695	0.00	0.0	

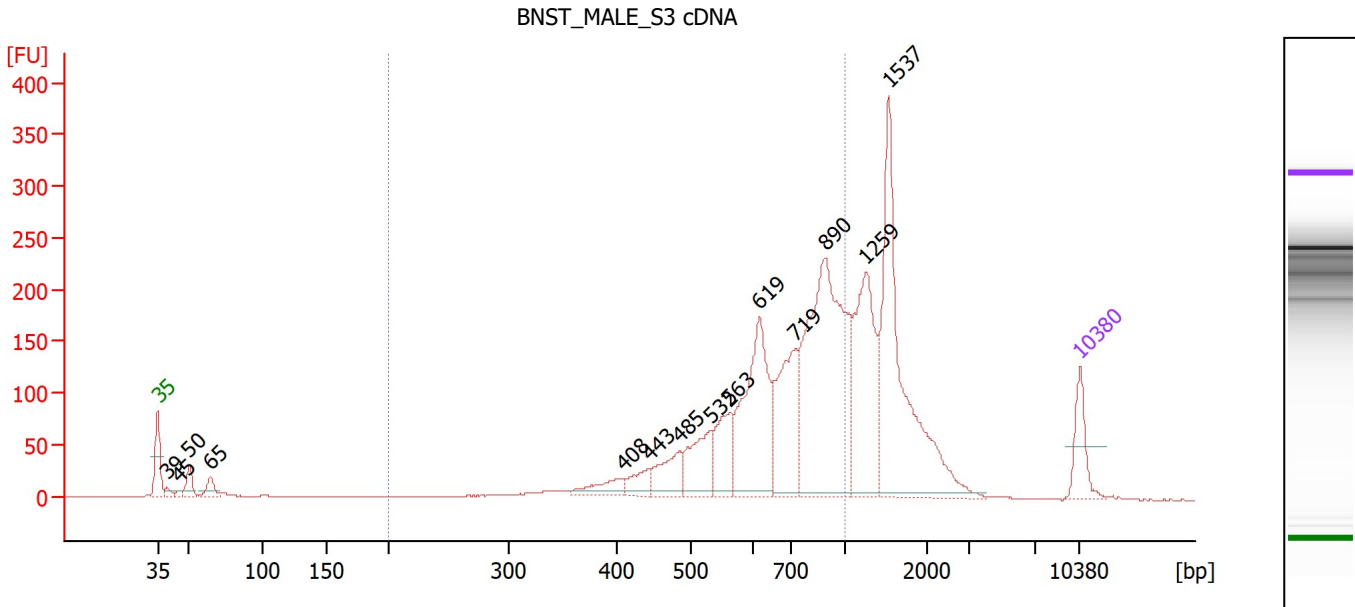
Region table for sample 2 : BNST_FEM_C3 cDNA

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	2,163.2	58	694	24.7	1,594.85	3,833.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\2100 expert\data\2024-07-27\10XSC0363 cDNA & Libraries.xad

Created: 7/27/2024 1:06:19 PM
 Modified: 7/27/2024 1:48:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : BNST_MALE_S3 cDNA

Number of peaks found: 14 Corr. Area 1: 1,994.7
 Noise: 0.2

Peak table for sample 3 : BNST_MALE_S3 cDNA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	39	16.63	638.9	
3	45	11.46	381.9	
4	50	50.82	1,530.9	
5	65	41.29	965.1	
6	408	56.47	209.9	
7	443	48.87	167.0	
8	485	103.34	323.1	
9	532	139.89	398.2	
10	563	125.93	338.7	
11	619	369.57	904.4	
12	719	264.66	557.9	
13	890	707.23	1,203.7	
14	1,259	322.84	388.6	
15	1,537	531.72	524.2	
16	10,380	75.00	10.9	Upper Marker

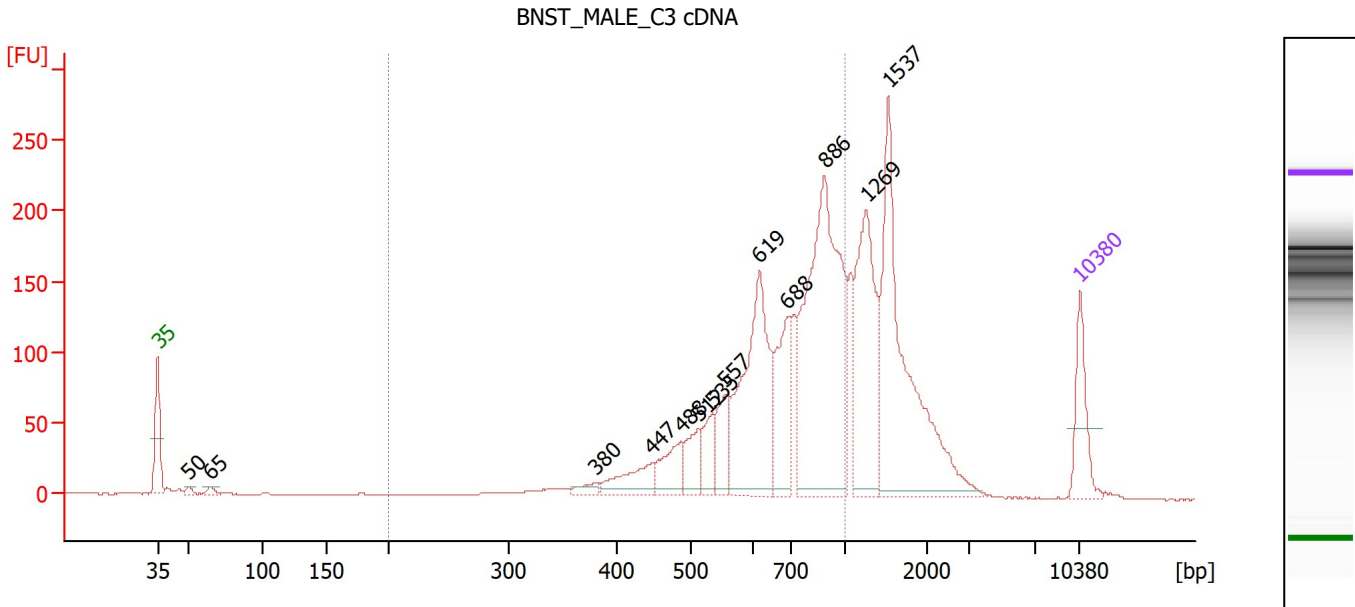
Region table for sample 3 : BNST_MALE_S3 cDNA

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	1,994.7	60	684	25.3	1,845.43	4,536.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\2100 expert\data\2024-07-27\10XSC0363 cDNA & Libraries.xad

Created: 7/27/2024 1:06:19 PM
 Modified: 7/27/2024 1:48:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : BNST_MALE_C3 cDNA

Number of peaks found: 13 Corr. Area 1: 1,755.2
 Noise: 0.3

Peak table for sample 4 : BNST_MALE_C3 cDNA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	8.98	270.7	
3	65	10.54	245.2	
4	380	16.37	65.2	
5	447	69.69	236.0	
6	488	73.21	227.5	
7	512	60.53	179.1	
8	535	53.87	152.6	
9	557	78.07	212.5	
10	619	329.84	807.3	
11	688	150.41	331.2	
12	886	566.53	968.4	
13	1,269	255.96	305.6	
14	1,537	415.69	409.9	
15	10,380	75.00	10.9	Upper Marker

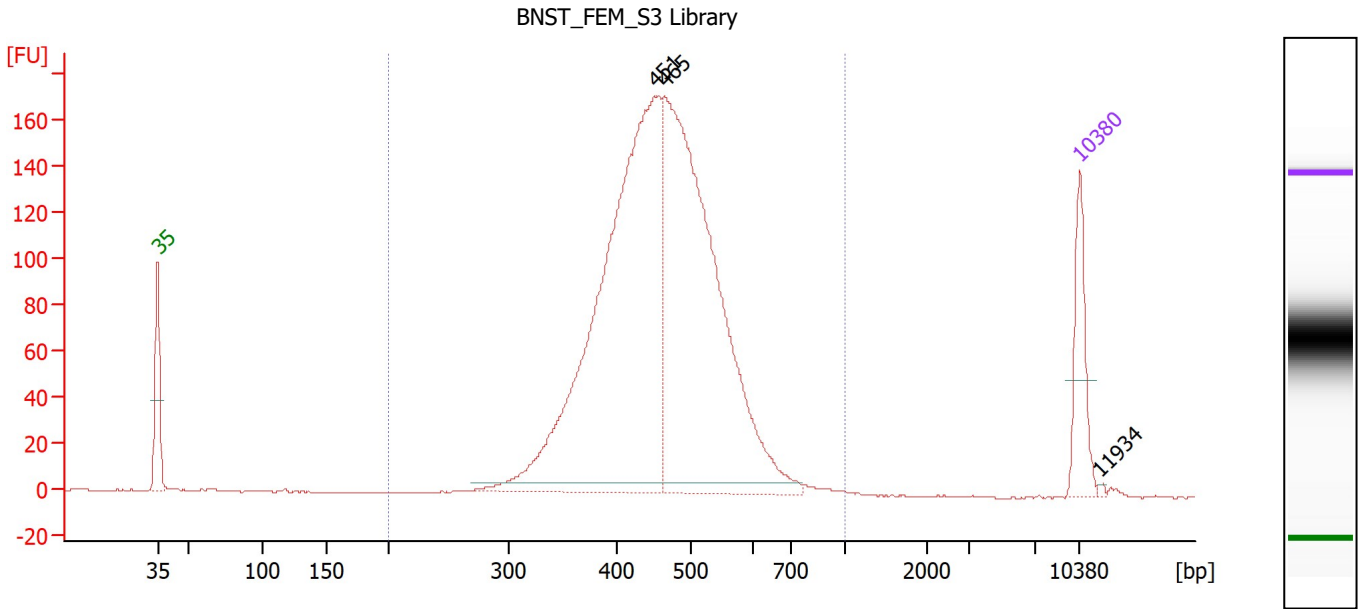
Region table for sample 4 : BNST_MALE_C3 cDNA

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	1,755.2	62	694	24.4	1,491.43	3,574.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\2100 expert\data\2024-07-27\10XSC0363 cDNA & Libraries.xad

Created: 7/27/2024 1:06:19 PM
 Modified: 7/27/2024 1:48:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : BNST_FEM_S3 Library

Number of peaks found: 3 Corr. Area 1: 2,158.8
 Noise: 0.2

Peak table for sample 5 : BNST_FEM_S3 Library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	451	1,062.23	3,570.7	
3	465	938.81	3,056.9	
4	10,380	75.00	10.9	Upper Marker
5	11,934	0.00	0.0	

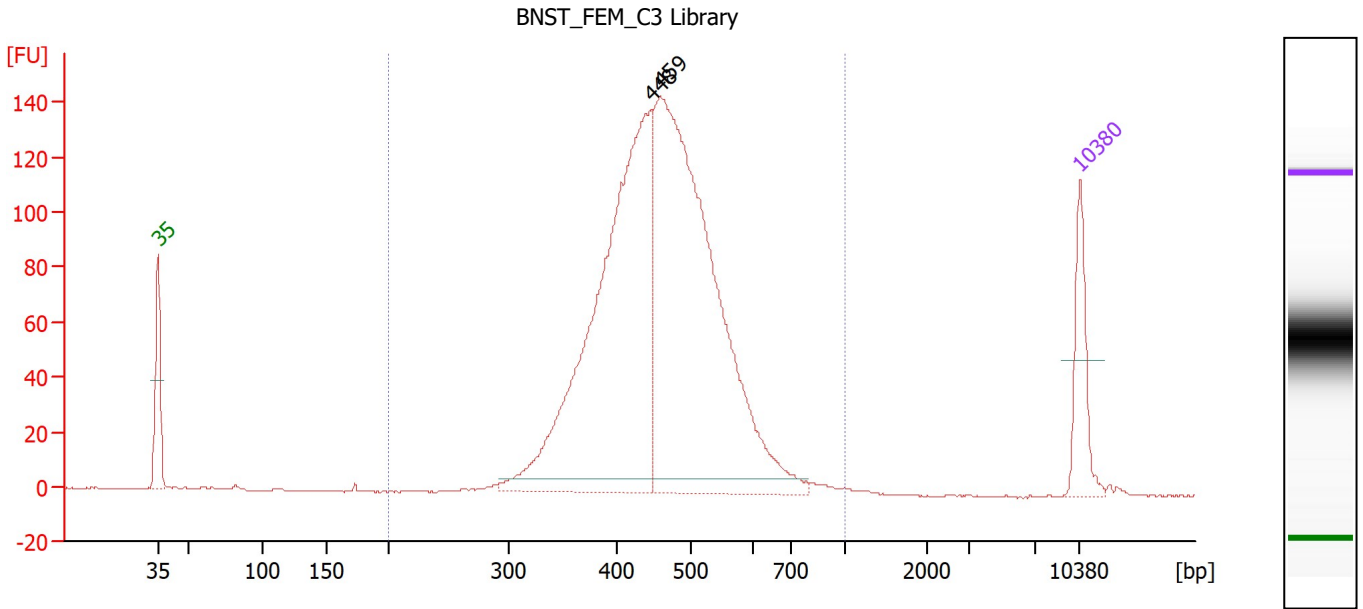
Region table for sample 5 : BNST_FEM_S3 Library

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	2,158.8	99	462	16.7	2,028.83	6,879.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\2100 expert\data\2024-07-27\10XSC0363 cDNA & Libraries.xad

Created: 7/27/2024 1:06:19 PM
 Modified: 7/27/2024 1:48:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : BNST_FEM_C3 Library

Number of peaks found: 2 Corr. Area 1: 1,797.2
 Noise: 0.2

Peak table for sample 6 : BNST_FEM_C3 Library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	448	885.40	2,996.8	
3	459	1,031.80	3,407.1	
4	10,380	75.00	10.9	Upper Marker

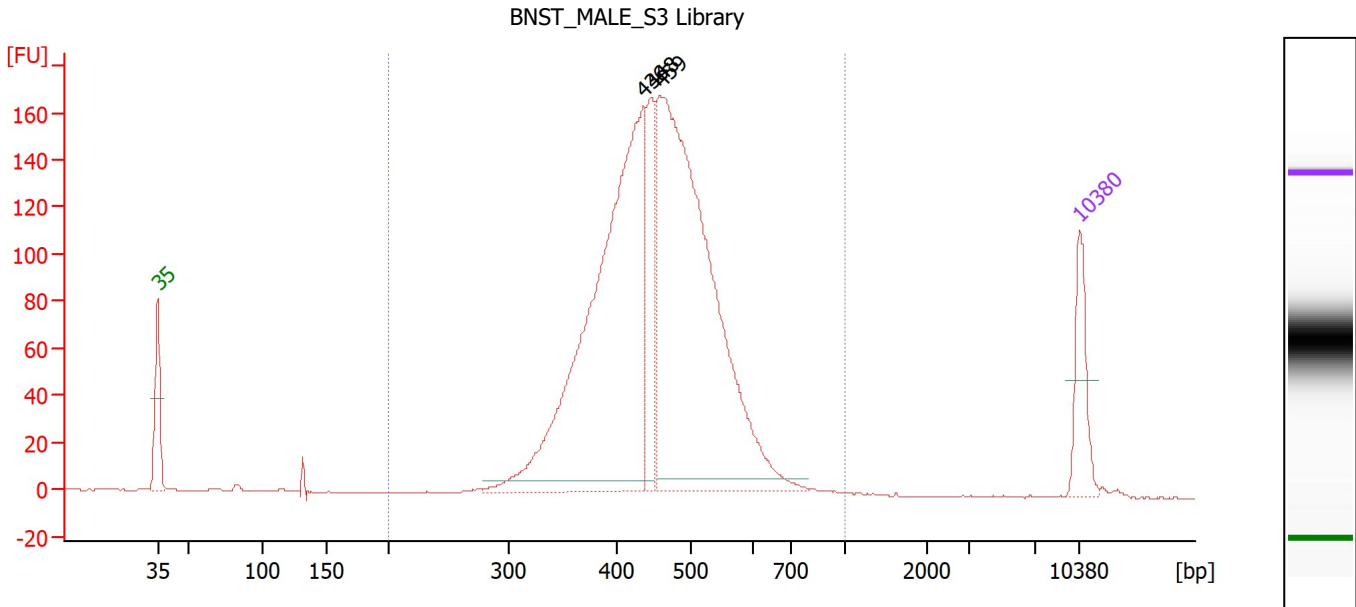
Region table for sample 6 : BNST_FEM_C3 Library

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	1,797.2	99	463	17.4	1,949.53	6,620.3	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\2100 expert\data\2024-07-27\10XSC0363 cDNA & Libraries.xad

Created: 7/27/2024 1:06:19 PM
Modified: 7/27/2024 1:48:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : **BNST_MALE_S3 Library**

Number of peaks found: 3 Corr. Area 1: 2,102.0
Noise: 0.2

Peak table for sample 7 : **BNST_MALE_S3 Library**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	436	990.72	3,439.3	
3	448	168.27	569.3	
4	459	1,079.31	3,561.4	
5	10,380	75.00	10.9	Upper Marker

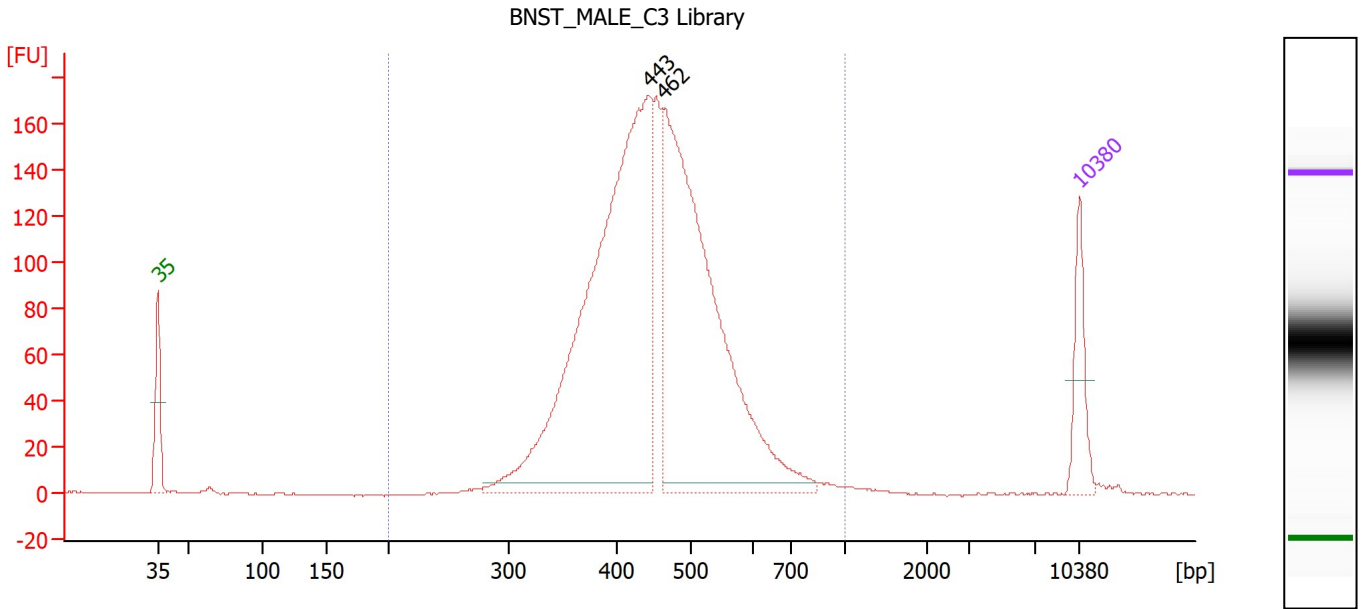
Region table for sample 7 : **BNST_MALE_S3 Library**

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	2,102.0	99	456	16.3	2,294.56	7,874.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\2100 expert\data\2024-07-27\10XSC0363 cDNA & Libraries.xad

Created: 7/27/2024 1:06:19 PM
 Modified: 7/27/2024 1:48:34 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : BNST_MALE_C3 Library

Number of peaks found: 2 Corr. Area 1: 2,256.4
 Noise: 0.3

Peak table for sample 8 : BNST_MALE_C3 Library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	443	1,224.16	4,186.2	
3	462	989.68	3,244.1	
4	10,380	75.00	10.9	Upper Marker

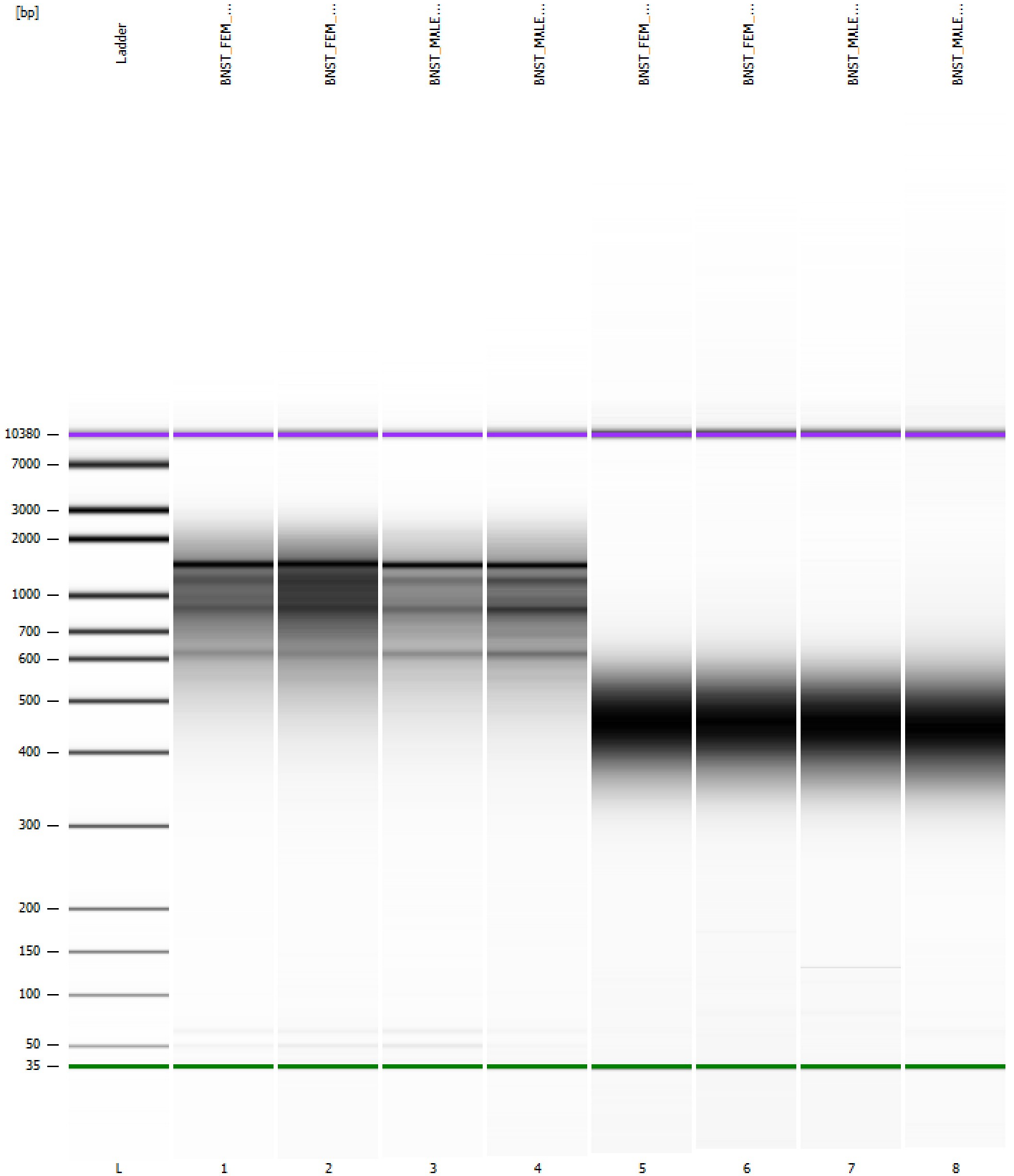
Region table for sample 8 : BNST_MALE_C3 Library

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	2,256.4	97	457	18.9	2,421.35	8,365.4	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\2100 expert\data\2024-07-27\10XSC0363 cDNA & Libraries.xad

Created: 7/27/2024 1:06:19 PM
Modified: 7/27/2024 1:48:34 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\2100 expert\data\2024-07-27\10XSC0363 cDNA & Libraries.xad

Created: 7/27/2024 1:06:19 PM
 Modified: 7/27/2024 1:48:34 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		7/27/2024 1:47:40 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\2024-07-27\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2024-07-27_001.xad)		Instrument	Run		7/27/2024 1:06:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/27/2024 1:06:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/27/2024 1:06:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/27/2024 1:06:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/27/2024 1:06:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/27/2024 1:06:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/27/2024 1:06:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB