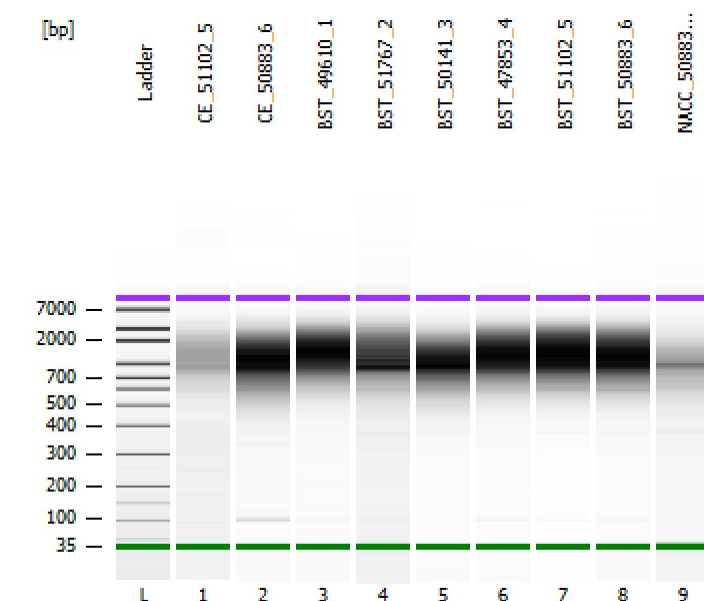


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ioanalyzer\2100 expert\data\2025-04-17\10XSC0417 cDNA-3.xad

Created: 4/17/2025 2:17:56 PM
Modified: 4/17/2025 3:08:36 PM

Electrophoresis File Run Summary



Instrument Information:

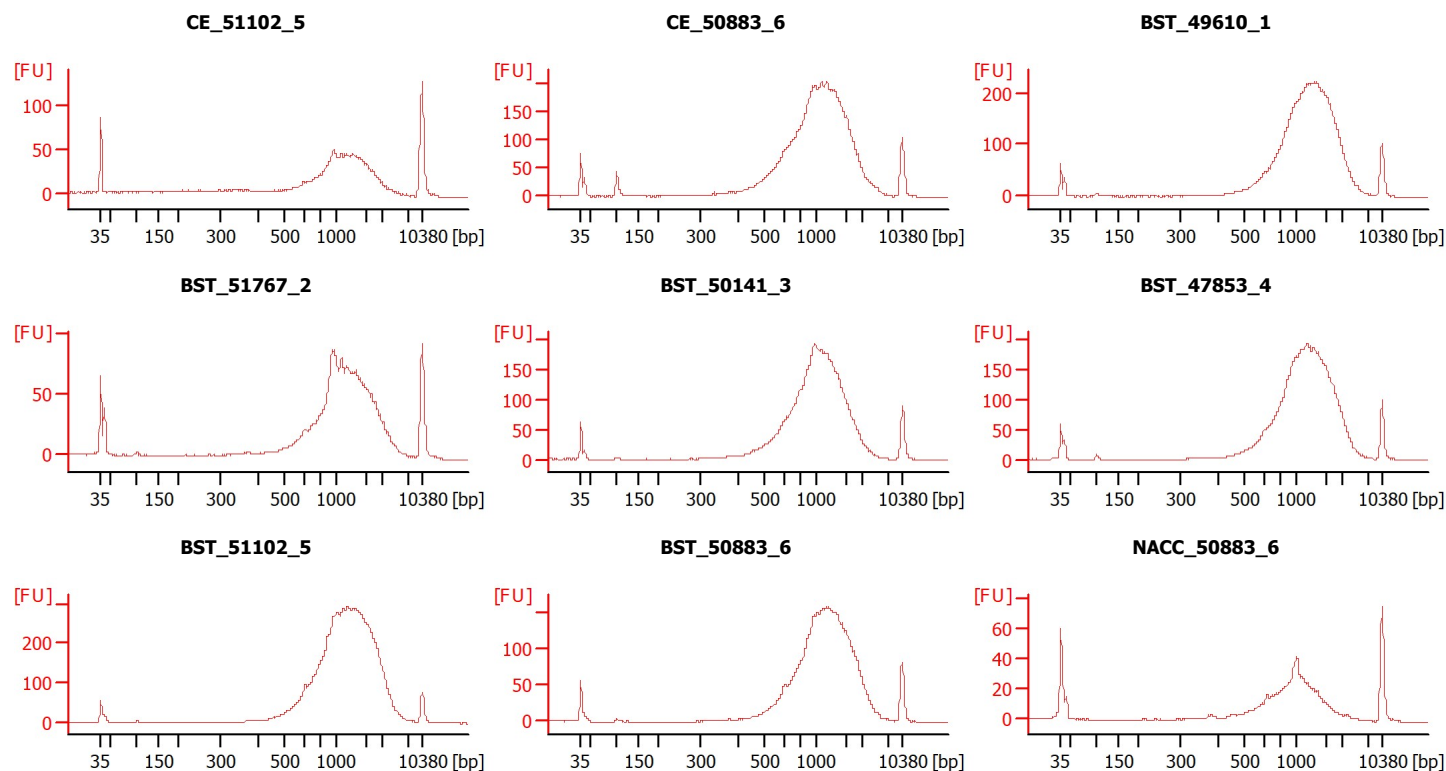
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:\...ioanalyzer\2100 expert\data\2025-04-17\10XSC0417 cDNA-3.xad

Created: 4/17/2025 2:17:56 PM
Modified: 4/17/2025 3:08:36 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
CE_51102_5		☐	✓			
CE_50883_6		☐	✓			
BST_49610_1		☐	✓			
BST_51767_2		☐	✓			
BST_50141_3		☐	✓			
BST_47853_4		☐	✓			
BST_51102_5		☐	✓			
BST_50883_6		☐	✓			
NACC_50883_6		☐	✓			
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ioanalyzer\2100 expert\data\2025-04-17\10XSC0417 cDNA-3.xad

Created: 4/17/2025 2:17:56 PM
Modified: 4/17/2025 3:08:36 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

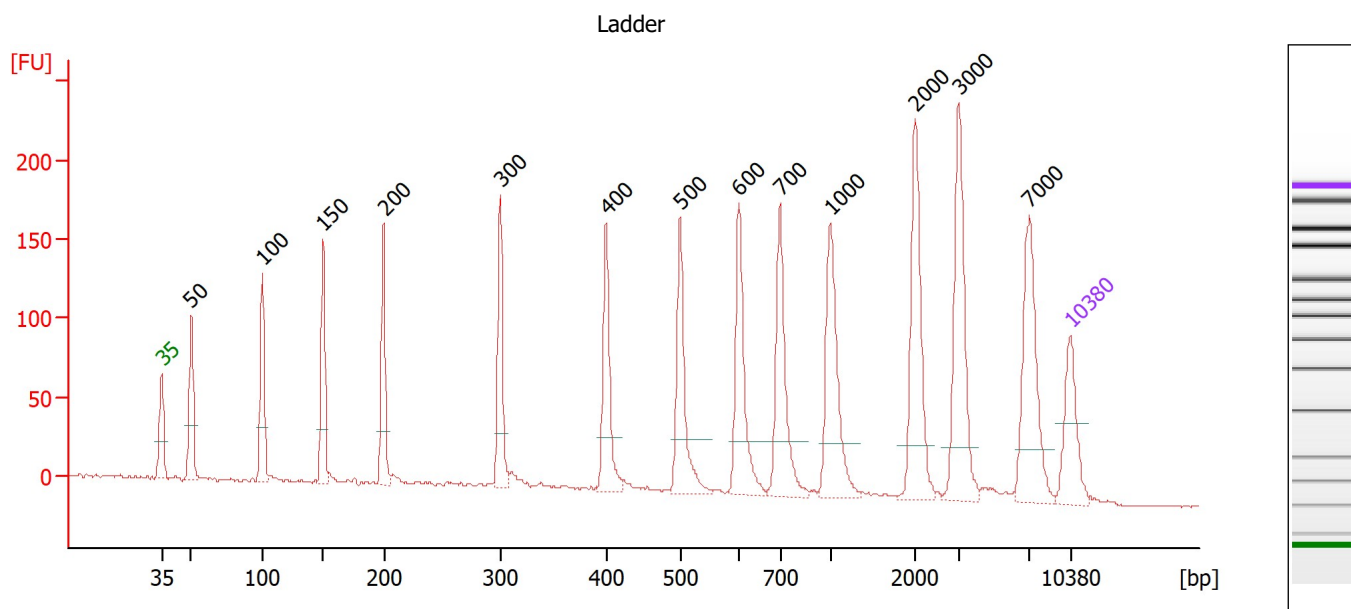
Ladder

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:\...ioanalyzer\2100 expert\data\2025-04-17\10XSC0417 cDNA-3.xad

Created: 4/17/2025 2:17:56 PM
 Modified: 4/17/2025 3:08:36 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

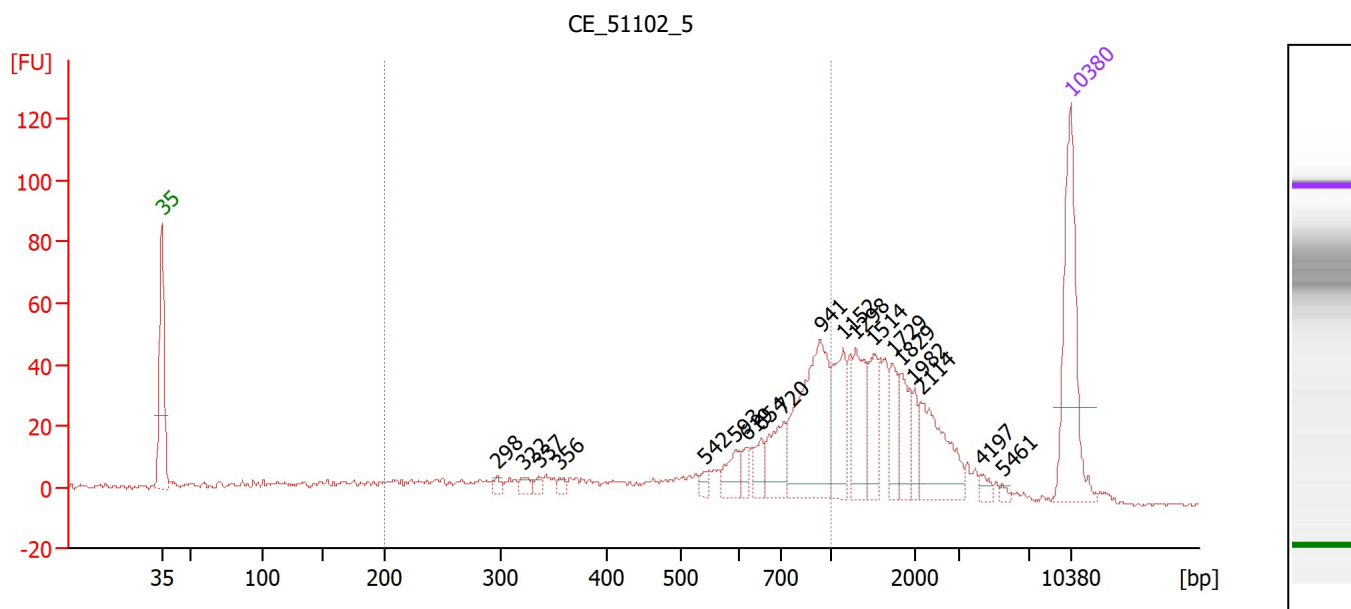
Peak table for Ladder

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:\...ioanalyzer\2100 expert\data\2025-04-17\10XSC0417 cDNA-3.xad

Created: 4/17/2025 2:17:56 PM
 Modified: 4/17/2025 3:08:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : CE 51102_5

Number of peaks found: 19 Corr. Area 1: 405.4
 Noise: 0.5

Peak table for sample 1 : CE 51102_5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	298	4.25	21.6	
3	322	6.72	31.6	
4	337	4.97	22.4	
5	356	4.54	19.3	
6	542	5.45	15.2	
7	593	17.19	43.9	
8	619	9.15	22.4	
9	654	14.95	34.6	
10	720	32.31	68.0	
11	941	105.16	169.3	
12	1,152	41.87	55.0	
13	1,298	39.70	46.3	
14	1,514	30.12	30.1	
15	1,729	19.80	17.3	
16	1,829	25.15	20.8	
17	1,982	13.96	10.7	
18	2,114	48.17	34.5	
19	4,197	4.48	1.6	
20	5,461	1.99	0.6	
21	10,380	75.00	10.9	Upper Marker

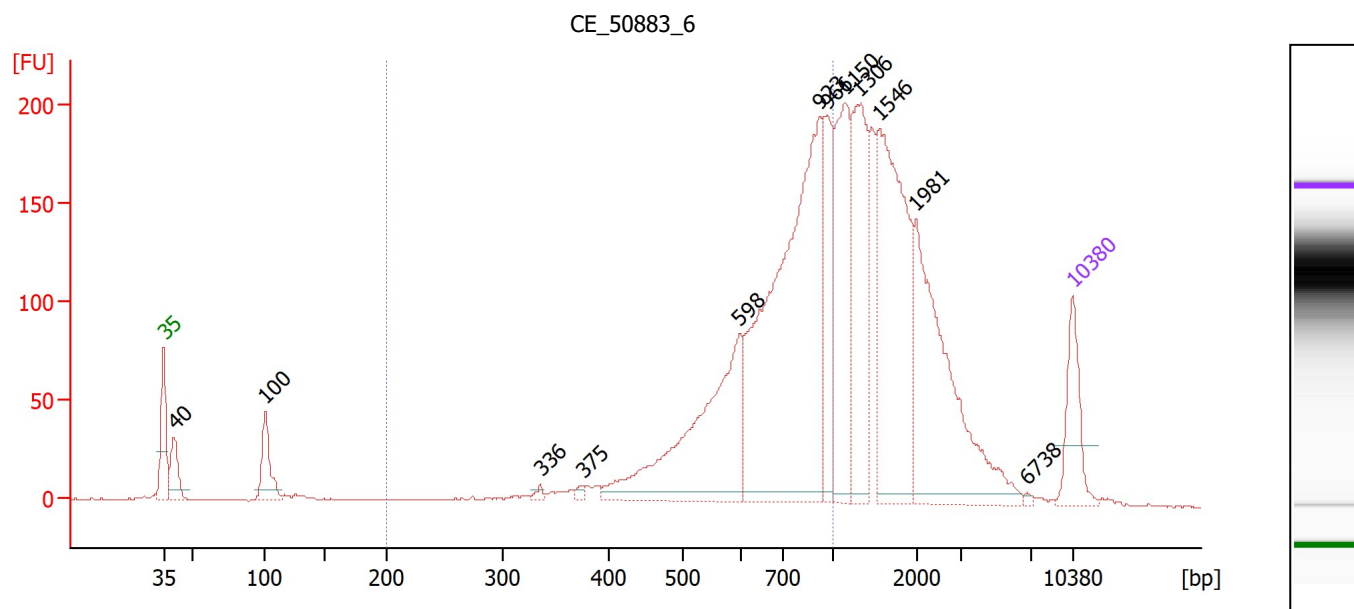
Region table for sample 1 : CE 51102_5

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	405.4	45	646	35.8	330.88	1,030.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2100 expert\data\2025-04-17\10XSC0417 cDNA-3.xad

Created: 4/17/2025 2:17:56 PM
 Modified: 4/17/2025 3:08:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : CE 50883 6

Number of peaks found: 12 Corr. Area 1: 1,554.4
 Noise: 0.2

Peak table for sample 2 : CE 50883 6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	40	77.89	2,947.0	
3	100	93.50	1,410.0	
4	336	6.49	29.2	
5	375	7.68	31.0	
6	598	377.79	957.7	
7	923	725.84	1,191.3	
8	966	149.93	235.1	
9	1,150	230.38	303.4	
10	1,306	215.90	250.6	
11	1,546	378.94	371.4	
12	1,981	330.19	252.6	
13	6,738	2.75	0.6	
14	10,380	75.00	10.9	Upper Marker

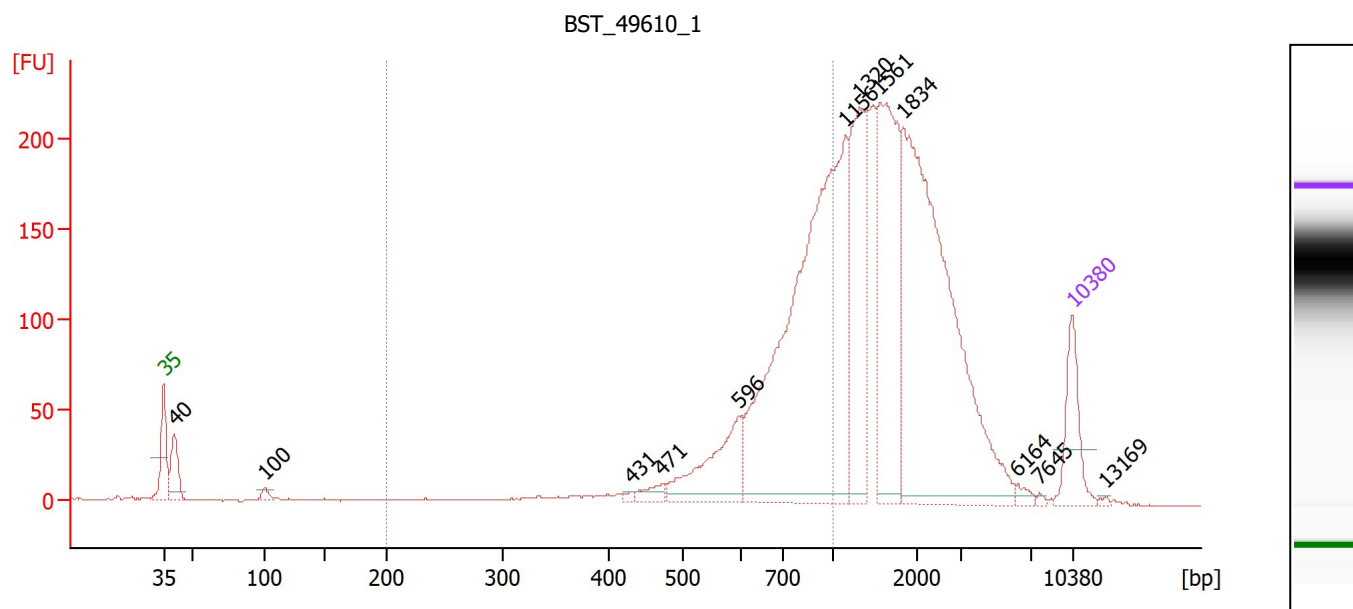
Region table for sample 2 : CE 50883 6

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	1,554.4	46	707	24.5	1,416.14	3,359.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2100 expert\data\2025-04-17\10XSC0417 cDNA-3.xad

Created: 4/17/2025 2:17:56 PM
 Modified: 4/17/2025 3:08:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : BST_49610_1

Number of peaks found: 12 Corr. Area 1: 1,077.0
 Noise: 0.3

Peak table for sample 3 : BST_49610_1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	40	82.49	3,093.6	
3	100	12.39	187.3	
4	431	4.97	17.4	
5	471	19.70	63.3	
6	596	151.55	385.5	
7	1,156	835.14	1,094.4	
8	1,320	232.21	266.6	
9	1,561	328.72	319.0	
10	1,834	677.87	560.1	
11	6,164	9.79	2.4	
12	7,645	3.04	0.6	
13	10,380	75.00	10.9	Upper Marker
14	13,169	0.00	0.0	

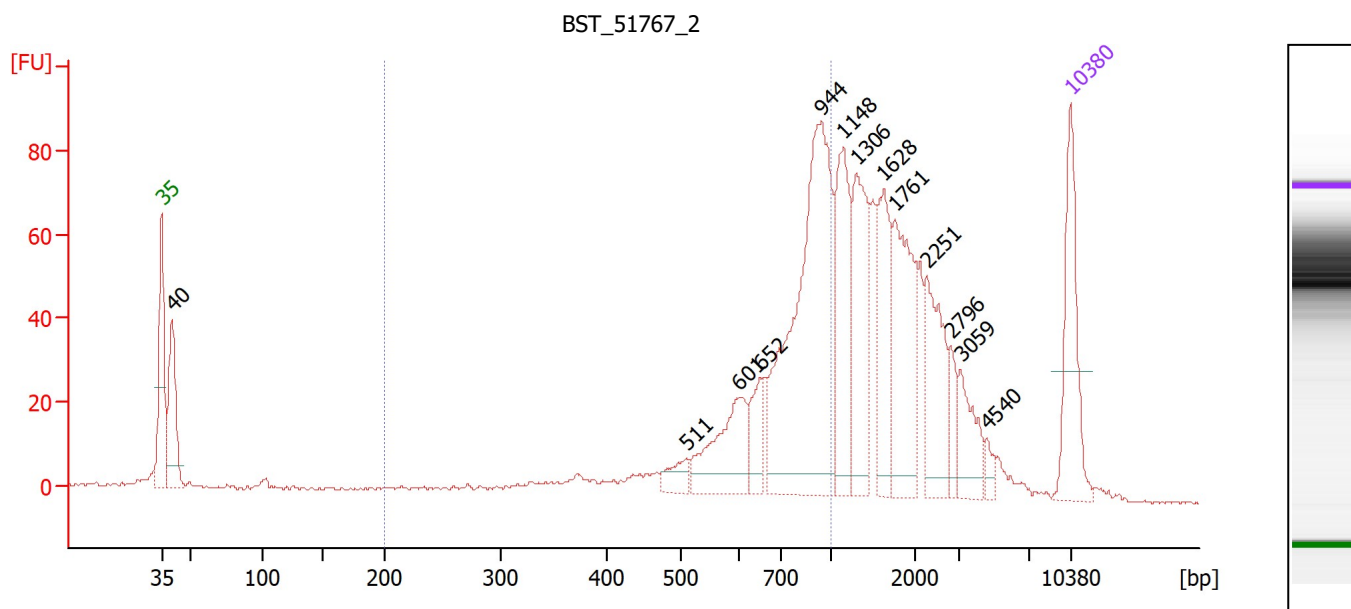
Region table for sample 3 : BST_49610_1

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	1,077.0	33	743	22.7	969.40	2,182.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2100 expert\data\2025-04-17\10XSC0417 cDNA-3.xad

Created: 4/17/2025 2:17:56 PM
 Modified: 4/17/2025 3:08:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : BST_51767_2

Number of peaks found: 13 Corr. Area 1: 489.5
 Noise: 0.3

Peak table for sample 4 : BST_51767_2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	40	106.52	4,023.7	
3	511	20.14	59.7	
4	601	84.10	211.9	
5	652	35.23	81.9	
6	944	318.74	511.6	
7	1,148	106.31	140.3	
8	1,306	101.58	117.9	
9	1,628	77.30	72.0	
10	1,761	106.55	91.7	
11	2,251	72.64	48.9	
12	2,796	20.52	11.1	
13	3,059	38.08	18.9	
14	4,540	8.49	2.8	
15	10,380	75.00	10.9	Upper Marker

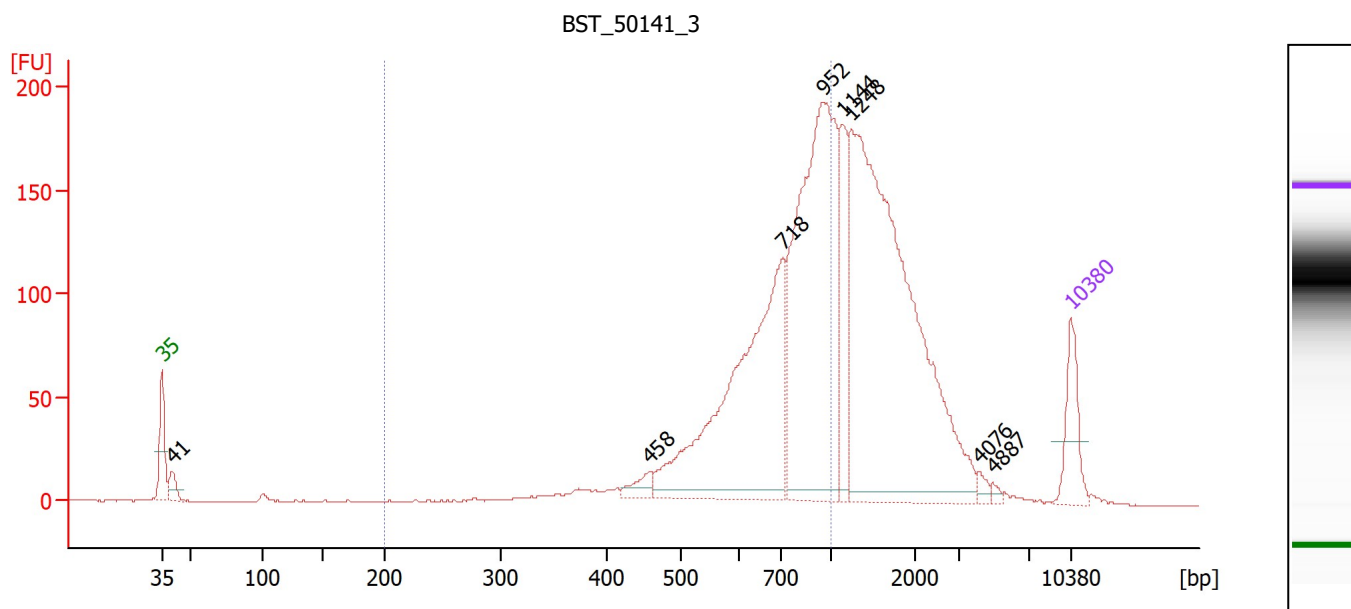
Region table for sample 4 : BST_51767_2

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	489.5	39	732	25.5	538.46	1,273.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2100 expert\data\2025-04-17\10XSC0417 cDNA-3.xad

Created: 4/17/2025 2:17:56 PM
 Modified: 4/17/2025 3:08:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : BST_50141_3

Number of peaks found: 8 Corr. Area 1: 1,317.3
 Noise: 0.2

Peak table for sample 5 : BST_50141_3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	41	37.20	1,390.3	
3	458	30.69	101.5	
4	718	679.30	1,433.3	
5	952	743.84	1,183.9	
6	1,144	128.78	170.5	
7	1,248	1,009.80	1,225.8	
8	4,076	11.31	4.2	
9	4,887	5.96	1.8	
10	10,380	75.00	10.9	Upper Marker

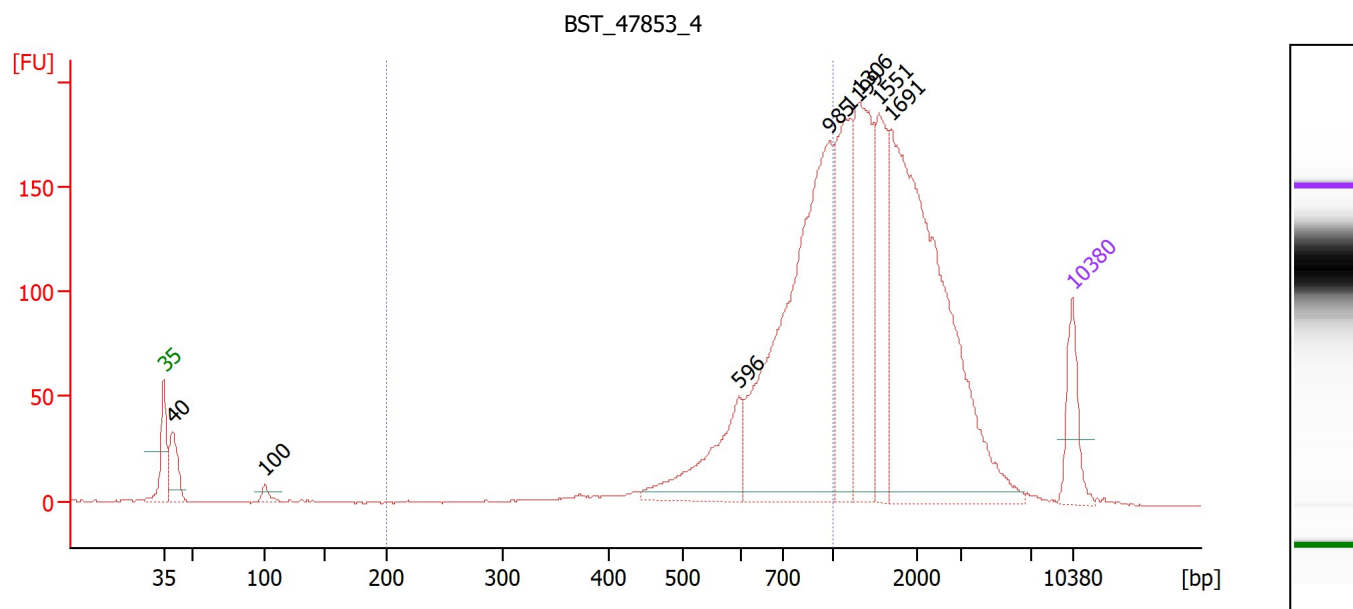
Region table for sample 5 : BST_50141_3

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	1,317.3	50	724	23.4	1,491.06	3,419.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2100 expert\data\2025-04-17\10XSC0417 cDNA-3.xad

Created: 4/17/2025 2:17:56 PM
 Modified: 4/17/2025 3:08:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : BST_47853_4

Number of peaks found: 8 Corr. Area 1: 1,012.3
 Noise: 0.2

Peak table for sample 6 : BST_47853_4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	40	97.23	3,718.7	
3	100	20.67	311.6	
4	596	196.72	500.0	
5	985	784.66	1,207.0	
6	1,199	254.85	321.9	
7	1,306	320.03	371.3	
8	1,551	186.19	181.8	
9	1,691	818.02	733.1	
10	10,380	75.00	10.9	Upper Marker

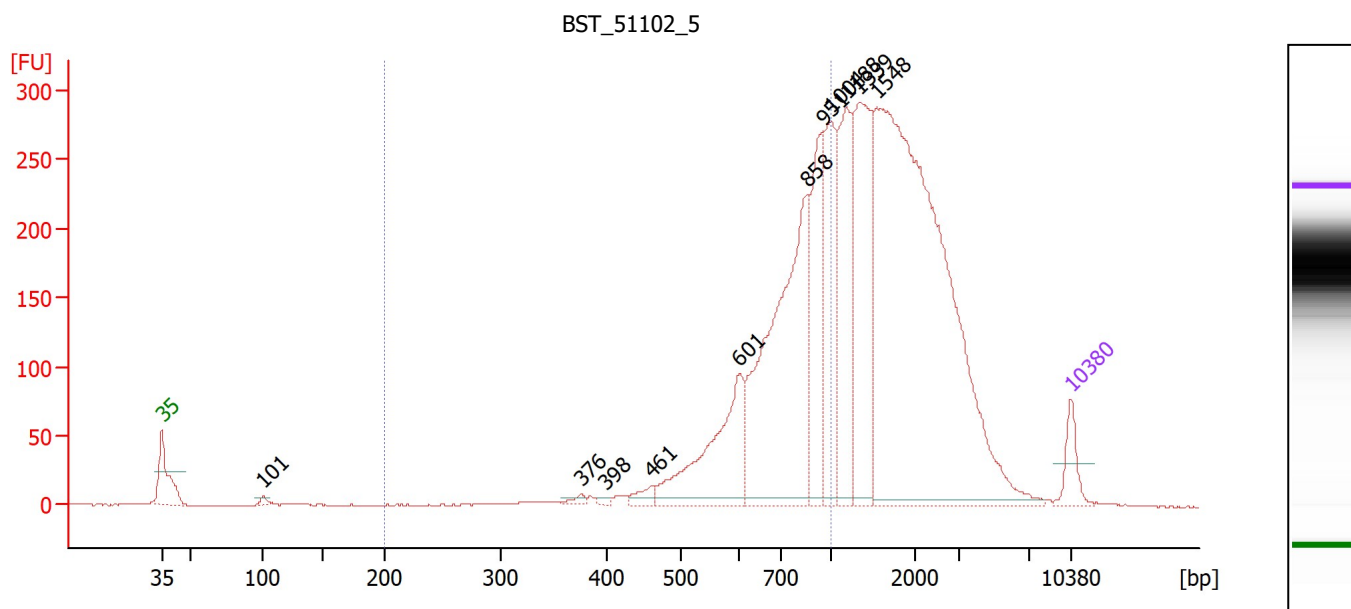
Region table for sample 6 : BST_47853_4

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	1,012.3	36	746	22.0	1,122.83	2,472.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2100 expert\data\2025-04-17\10XSC0417 cDNA-3.xad

Created: 4/17/2025 2:17:56 PM
 Modified: 4/17/2025 3:08:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : BST_51102_5

Number of peaks found: 11 Corr. Area 1: 1,652.2
 Noise: 0.2

Peak table for sample 7 : BST_51102_5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	101	17.24	259.4	
3	376	18.98	76.4	
4	398	11.34	43.1	
5	461	37.84	124.4	
6	601	463.51	1,167.8	
7	858	1,071.52	1,892.1	
8	951	364.11	580.0	
9	1,004	407.13	614.5	
10	1,188	443.54	565.7	
11	1,339	562.42	636.5	
12	1,548	2,251.25	2,203.0	
13	10,380	75.00	10.9	Upper Marker

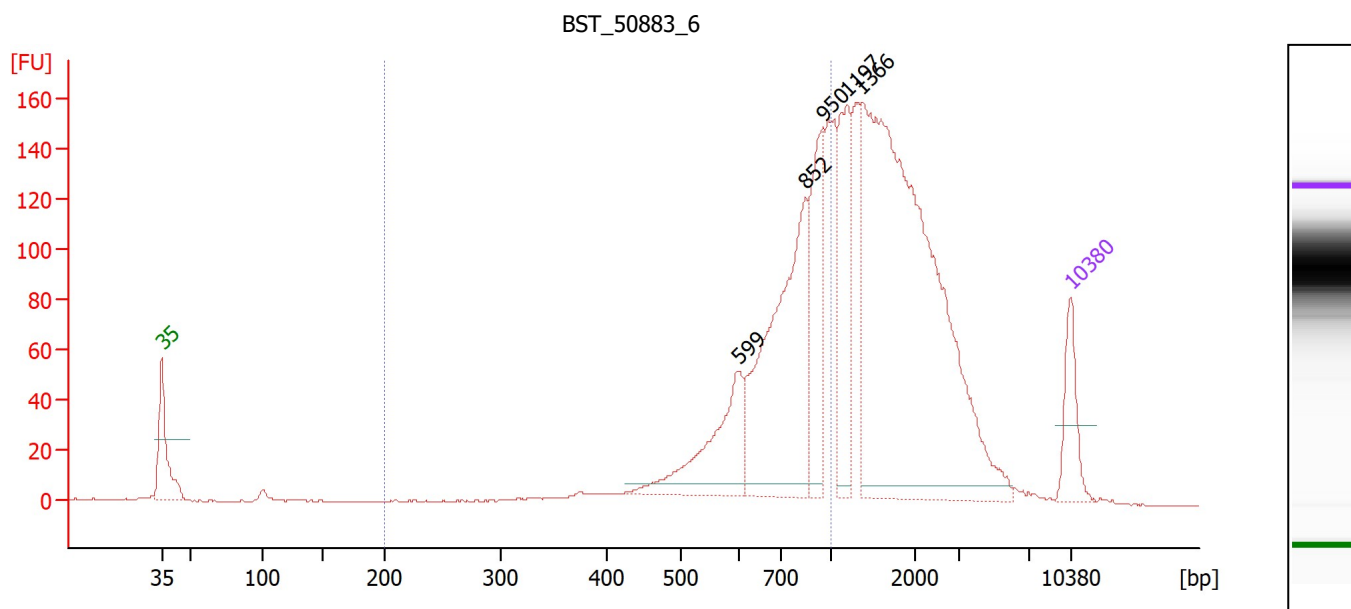
Region table for sample 7 : BST_51102_5

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	1,652.2	37	743	22.0	2,360.95	5,212.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2100 expert\data\2025-04-17\10XSC0417 cDNA-3.xad

Created: 4/17/2025 2:17:56 PM
 Modified: 4/17/2025 3:08:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : BST_50883_6

Number of peaks found: 5 Corr. Area 1: 902.0
 Noise: 0.2

Peak table for sample 8 : BST_50883_6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	599	211.16	533.9	
3	852	495.48	881.5	
4	950	177.24	282.7	
5	1,197	198.09	250.8	
6	1,366	1,143.08	1,267.9	
7	10,380	75.00	10.9	
				Upper Marker

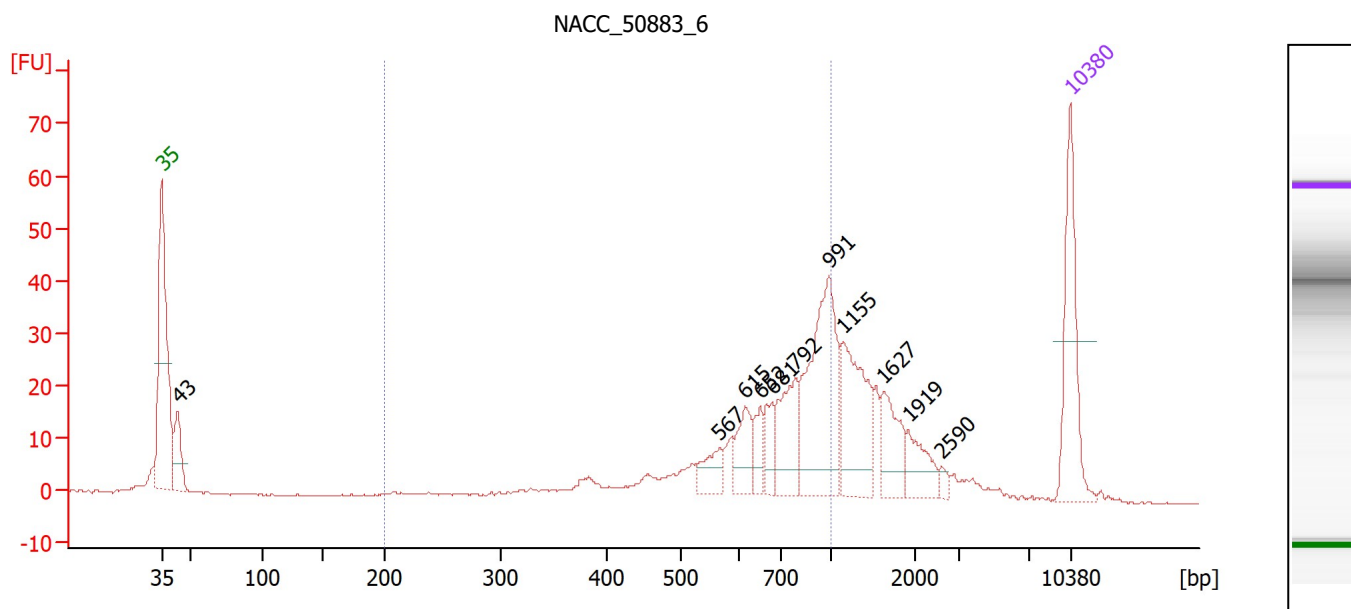
Region table for sample 8 : BST_50883_6

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	902.0	39	743	21.7	1,155.15	2,532.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2100 expert\data\2025-04-17\10XSC0417 cDNA-3.xad

Created: 4/17/2025 2:17:56 PM
 Modified: 4/17/2025 3:08:36 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : NACC_50883_6

Number of peaks found: 11 Corr. Area 1: 245.5
 Noise: 0.1

Peak table for sample 9 : NACC_50883_6

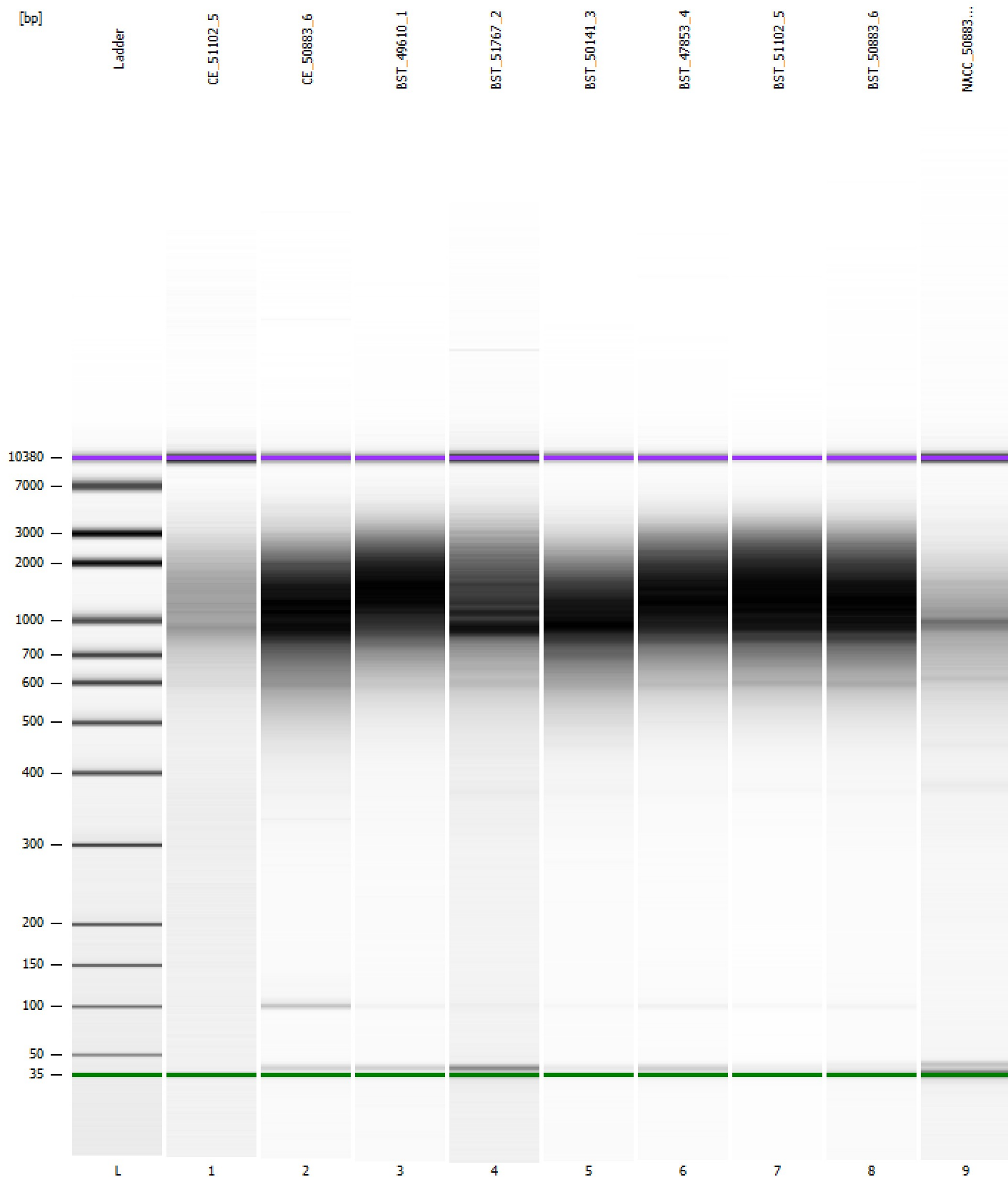
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	43	48.69	1,707.8	
3	567	25.10	67.1	
4	615	34.27	84.5	
5	652	20.55	47.7	
6	681	22.66	50.5	
7	792	57.42	109.9	
8	991	141.04	215.6	
9	1,155	86.10	113.0	
10	1,627	40.19	37.4	
11	1,919	28.70	22.7	
12	2,590	5.31	3.1	
13	10,380	75.00	10.9	Upper Marker

Region table for sample 9 : NACC_50883_6

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	245.5	54	708	25.5	375.85	897.4	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ioanalyzer\2100 expert\data\2025-04-17\10XSC0417 cDNA-3.xad

Created: 4/17/2025 2:17:56 PM
Modified: 4/17/2025 3:08:36 PM

Gel Image

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ioanalyzer\2100 expert\data\2025-04-17\10XSC0417 cDNA-3.xad

Created: 4/17/2025 2:17:56 PM
 Modified: 4/17/2025 3:08:36 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		4/17/2025 2:58:18 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\2025-04-17\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-04-17_005.xad)		Instrument	Run		4/17/2025 2:17:56 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		4/17/2025 2:17:56 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		4/17/2025 2:17:56 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		4/17/2025 2:17:56 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		4/17/2025 2:17:56 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		4/17/2025 2:17:56 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		4/17/2025 2:17:56 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB