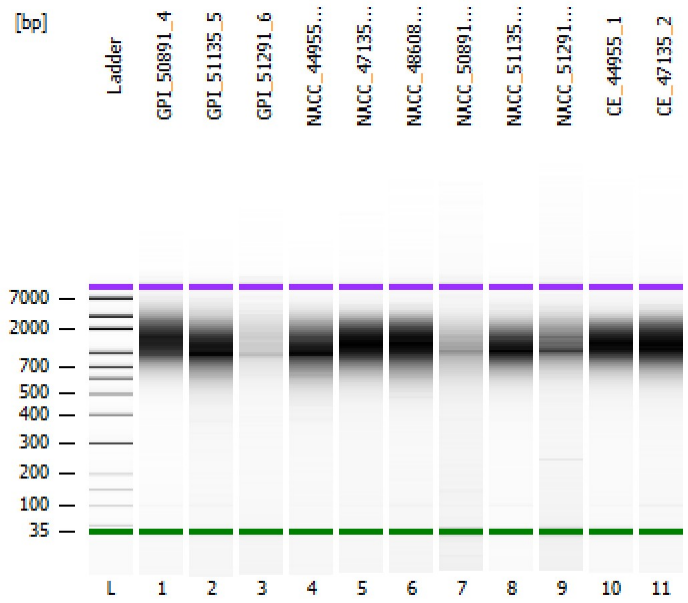
Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ioanalyzer\2100 expert\data\2024-06-14\10XSC0353 cDNA-2.xad

Created: 6/14/2024 3:33:00 PM
Modified: 6/18/2024 12:47:01 PM

Electrophoresis File Run Summary



Instrument Information:

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

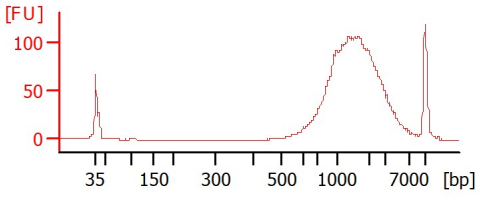
Assay Information:

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

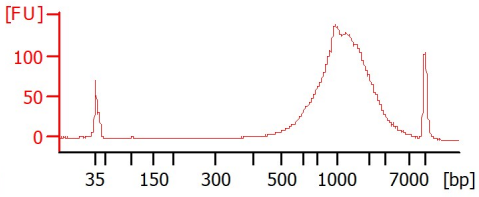
Chip Information:

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

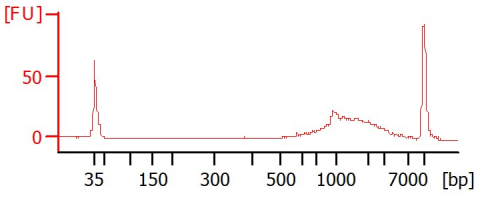
GPI_50891_4



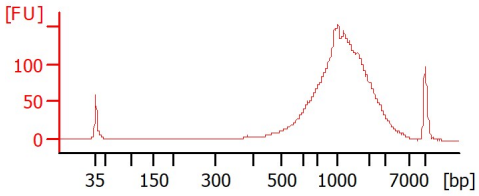
GPI_51135_5



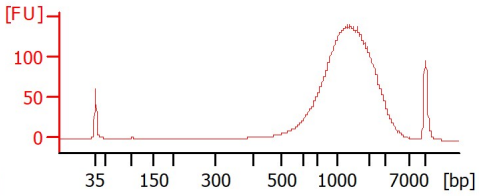
GPI_51291_6



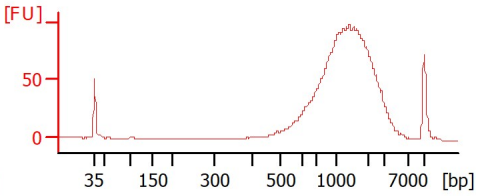
NACC_44955_1



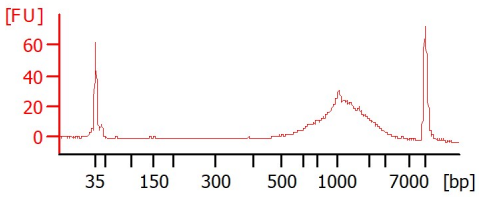
NACC_47135_2



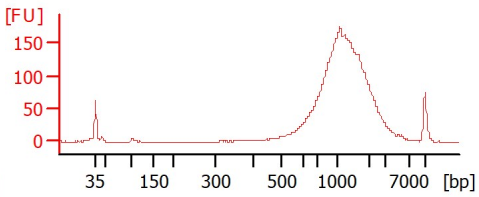
NACC_48608_3



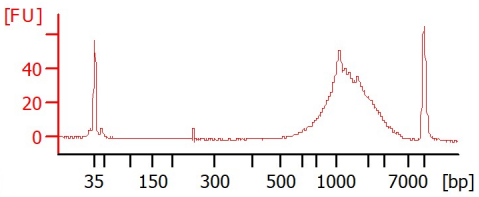
NACC_50891_4



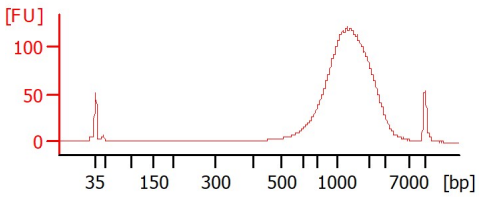
NACC_51135_5



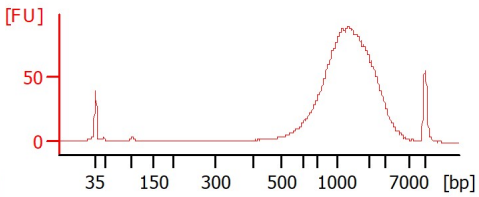
NACC_51291_6



CE_44955_1



CE_47135_2



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ioanalyzer\2100 expert\data\2024-06-14\10XSC0353 cDNA-2.xad

Created: 6/14/2024 3:33:00 PM
Modified: 6/18/2024 12:47:01 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Statu s	Observation	Result Label	Result Color
GPI_50891_4		☐	✔			
GPI_51135_5		☐	✔			
GPI_51291_6		☐	✔			
NACC_44955_1		☐	✔			
NACC_47135_2		☐	✔			
NACC_48608_3		☐	✔			
NACC_50891_4		☐	✔			
NACC_51135_5		☐	✔			
NACC_51291_6		☐	✔			
CE_44955_1		☐	✔			
CE_47135_2		☐	✔			
Ladder		☐	✔			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ioanalyzer\2100 expert\data\2024-06-14\10XSC0353 cDNA-2.xad

Created: 6/14/2024 3:33:00 PM
Modified: 6/18/2024 12:47:01 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

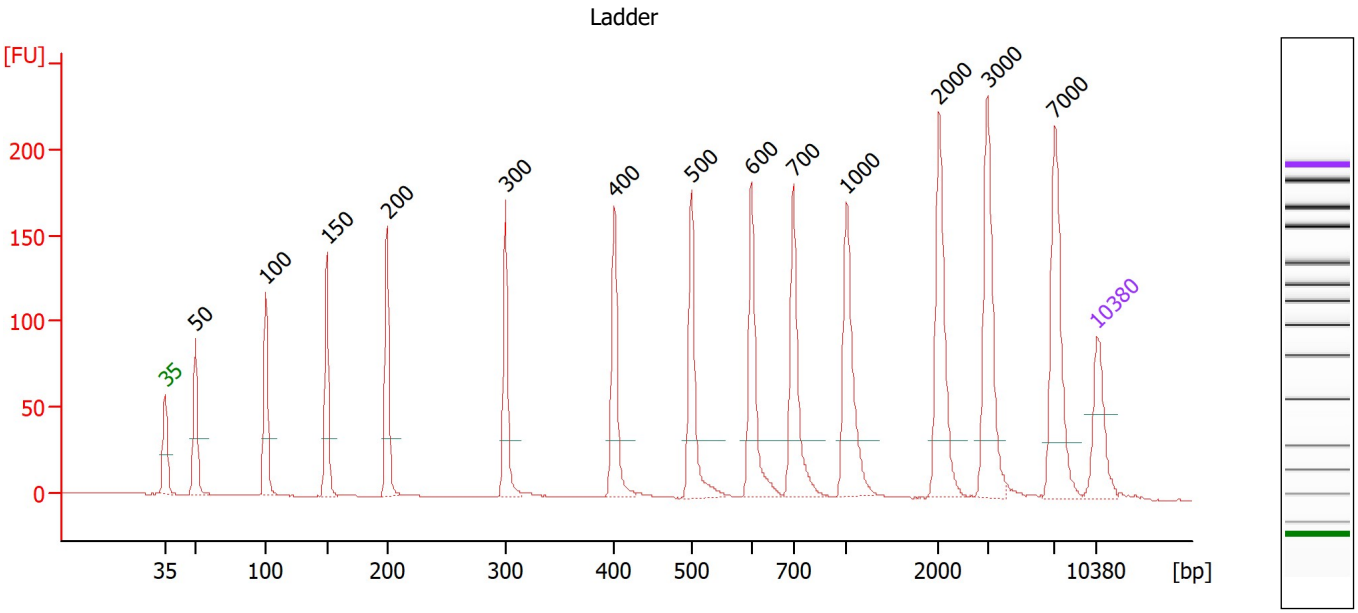
Ladder

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\2024-06-14\10XSC0353 cDNA-2.xad

Created: 6/14/2024 3:33:00 PM
Modified: 6/18/2024 12:47:01 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

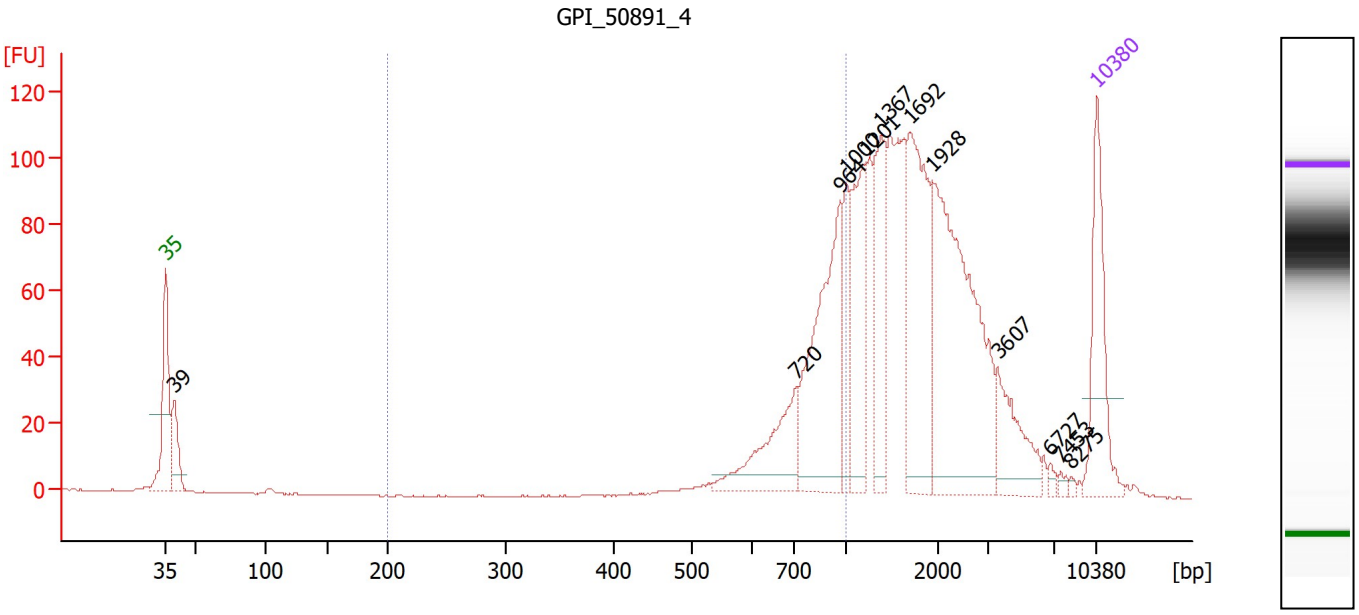
Peak table for Ladder

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\2024-06-14\10XSC0353 cDNA-2.xad

Created: 6/14/2024 3:33:00 PM
Modified: 6/18/2024 12:47:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : GPI_50891_4

Number of peaks found:	12	Corr. Area 1:	354.2
Noise:	0.2		

Peak table for sample 1 : GPI_50891_4

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	39	54.24	2,095.1	
3	720	84.51	177.9	
4	964	166.81	262.2	
5	1,000	49.14	74.4	
6	1,201	90.95	114.8	
7	1,367	81.22	90.0	
8	1,692	144.39	129.3	
9	1,928	240.27	188.8	
10	3,607	54.97	23.1	
11	6,727	3.81	0.9	
12	7,453	3.27	0.7	
13	8,275	2.09	0.4	
14	10,380	75.00	10.9	Upper Marker

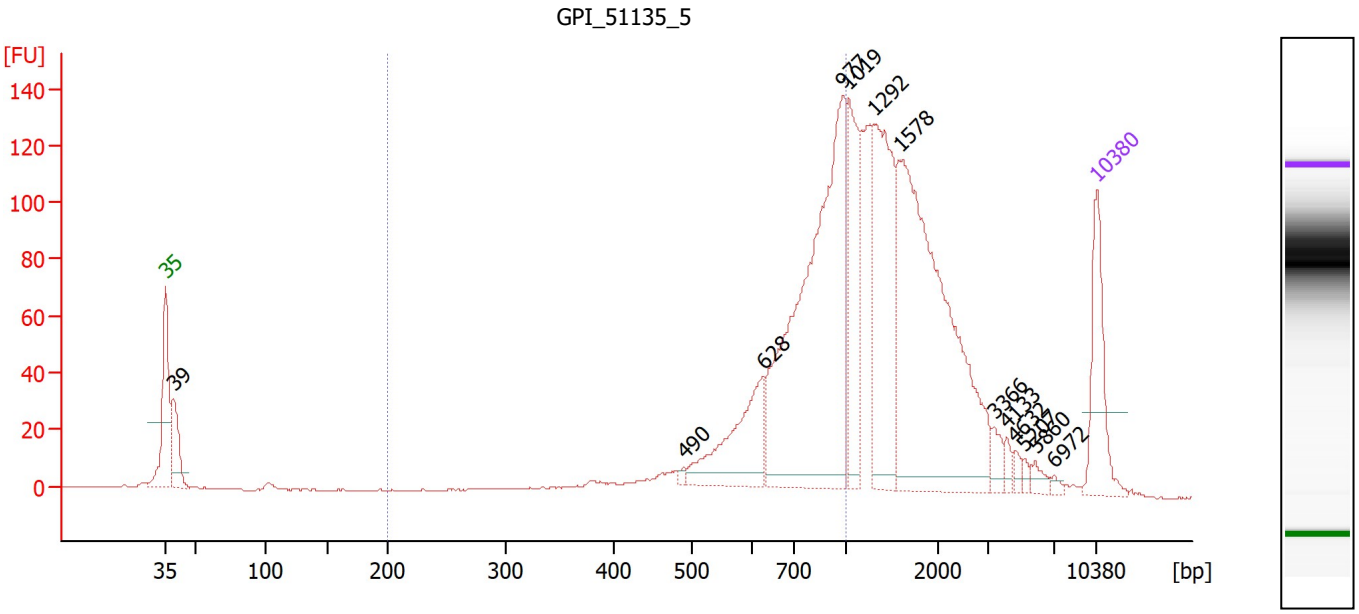
Region table for sample 1 : GPI_50891_4

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	354.2	24	808	17.0	308.88	601.7	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ioanalyzer\2100 expert\data\2024-06-14\10XSC0353 cDNA-2.xad

Created: 6/14/2024 3:33:00 PM
Modified: 6/18/2024 12:47:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : GPI_51135_5

Number of peaks found:	13	Corr. Area 1:	751.1
Noise:	0.2		

Peak table for sample 2 : GPI_51135_5

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	39	72.51	2,821.9	
3	490	4.43	13.7	
4	628	121.68	293.6	
5	977	470.25	728.9	
6	1,019	115.00	170.9	
7	1,292	205.13	240.6	
8	1,578	431.79	414.6	
9	3,366	15.37	6.9	
10	4,133	8.24	3.0	
11	4,632	7.01	2.3	
12	5,207	5.17	1.5	
13	5,860	8.74	2.3	
14	6,972	3.84	0.8	
15	10,380	75.00	10.9	Upper Marker

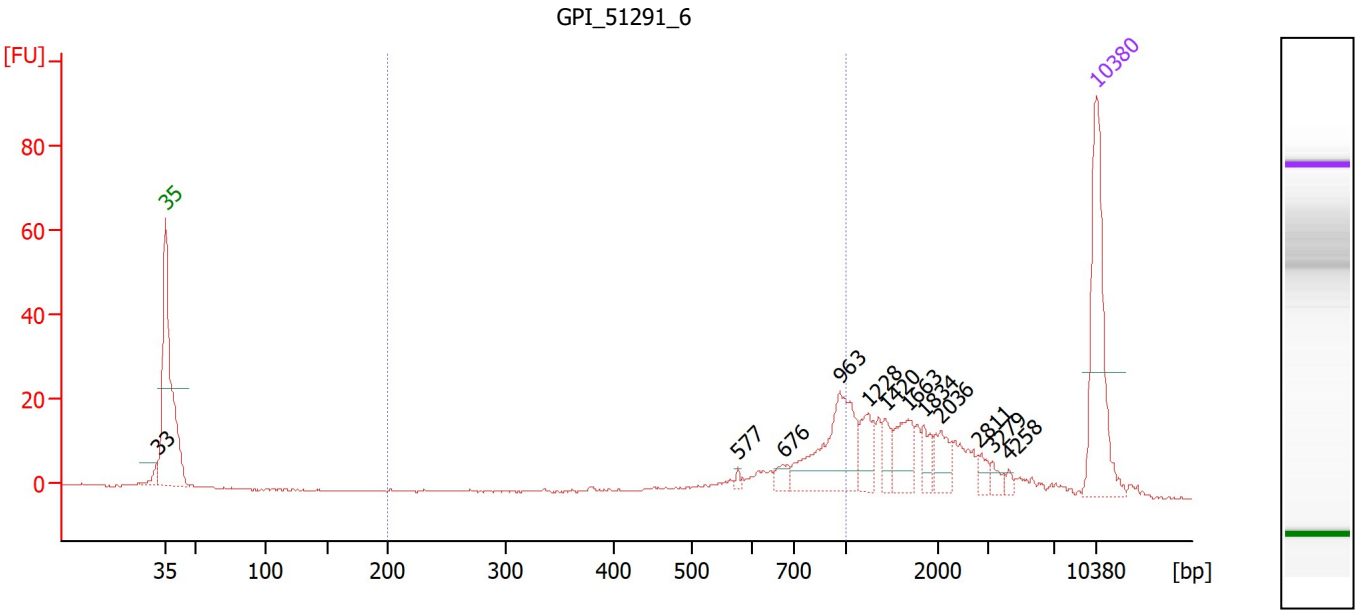
Region table for sample 2 : GPI_51135_5

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	751.1	39	750	22.3	740.83	1,630.7	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ioanalyzer\2100 expert\data\2024-06-14\10XSC0353 cDNA-2.xad

Created: 6/14/2024 3:33:00 PM
Modified: 6/18/2024 12:47:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : GPI_51291_6

Number of peaks found:	12	Corr. Area 1:	89.9
Noise:	0.2		

Peak table for sample 3 : GPI_51291_6

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	33	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	577	2.57	6.8	
4	676	7.89	17.7	
5	963	72.66	114.3	
6	1,228	21.67	26.7	
7	1,420	10.92	11.6	
8	1,663	24.55	22.4	
9	1,834	10.25	8.5	
10	2,036	15.70	11.7	
11	2,811	6.53	3.5	
12	3,279	5.39	2.5	
13	4,258	2.82	1.0	
14	10,380	75.00	10.9	Upper Marker

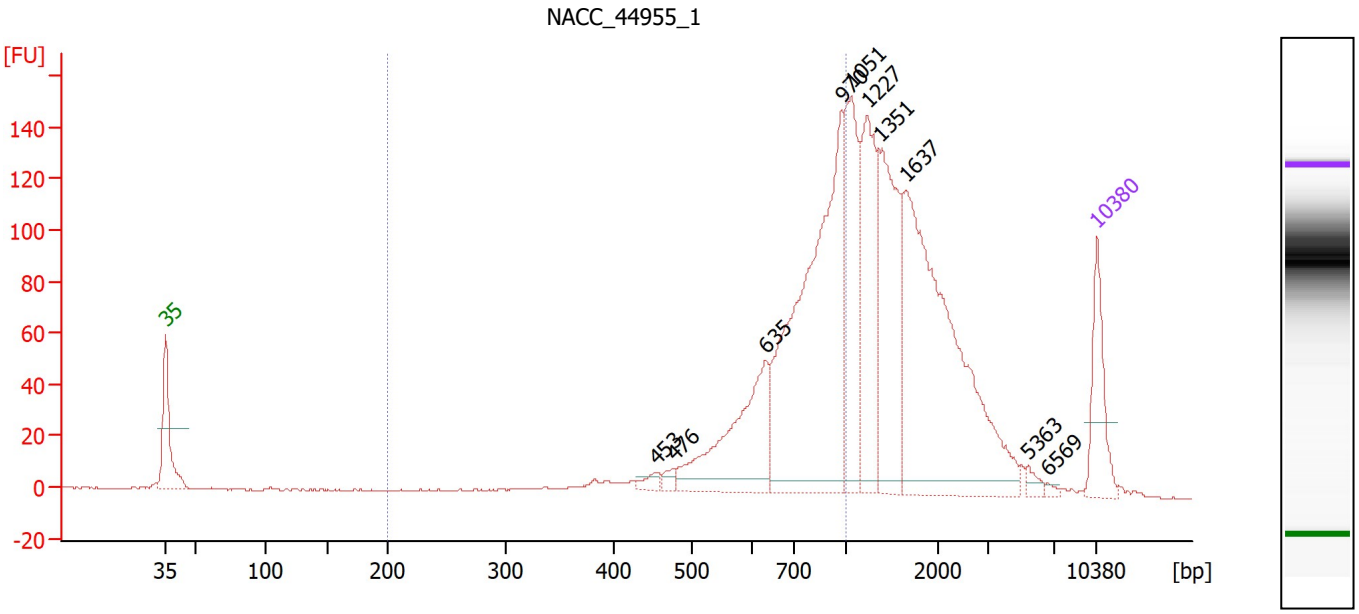
Region table for sample 3 : GPI_51291_6

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	89.9	32	775	20.8	97.75	203.8	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ioanalyzer\2100 expert\data\2024-06-14\10XSC0353 cDNA-2.xad

Created: 6/14/2024 3:33:00 PM
Modified: 6/18/2024 12:47:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : NACC_44955_1

Number of peaks found:	10	Corr. Area 1:	825.3
Noise:	0.2		

Peak table for sample 4 : NACC_44955_1

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	453	13.61	45.6	
3	476	11.51	36.6	
4	635	218.64	521.8	
5	970	540.07	843.8	
6	1,051	192.72	277.7	
7	1,227	198.80	245.5	
8	1,351	217.12	243.4	
9	1,637	507.16	469.5	
10	5,363	10.45	3.0	
11	6,569	4.03	0.9	
12	10,380	75.00	10.9	Upper Marker

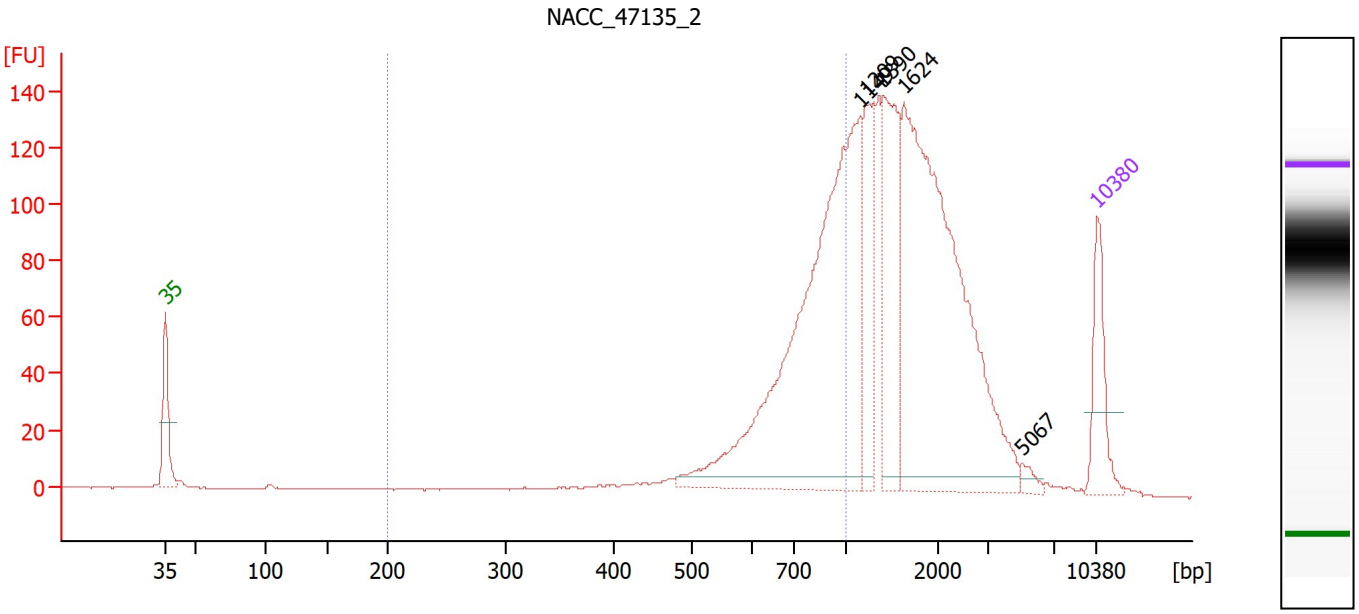
Region table for sample 4 : NACC_44955_1

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	825.3	42	742	22.5	933.50	2,073.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ioanalyzer\2100 expert\data\2024-06-14\10XSC0353 cDNA-2.xad

Created: 6/14/2024 3:33:00 PM
Modified: 6/18/2024 12:47:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : NACC_47135_2

Number of peaks found:	5	Corr. Area 1:	620.5
Noise:	0.2		

Peak table for sample 5 : NACC_47135_2

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	1,149	702.81	926.8	
3	1,209	140.74	176.3	
4	1,390	188.14	205.0	
5	1,624	652.87	608.9	
6	5,067	11.56	3.5	
7	10,380	75.00	10.9	Upper Marker

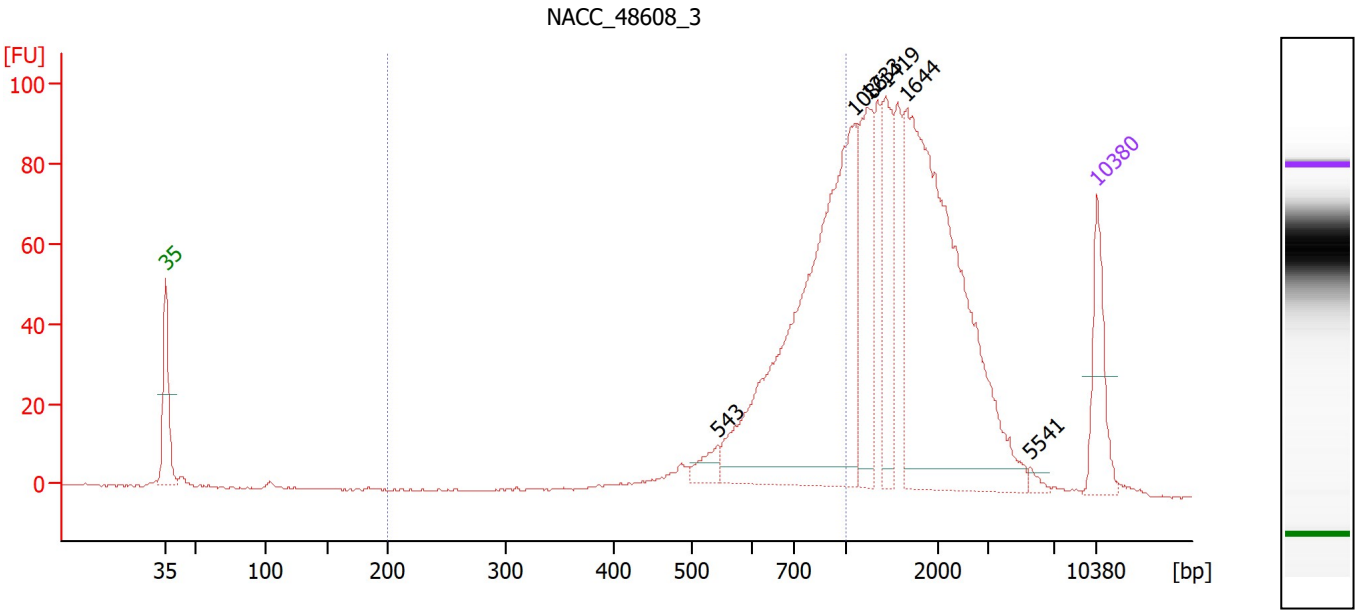
Region table for sample 5 : NACC_47135_2

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	620.5	33	762	21.2	708.31	1,526.9	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ioanalyzer\2100 expert\data\2024-06-14\10XSC0353 cDNA-2.xad

Created: 6/14/2024 3:33:00 PM
Modified: 6/18/2024 12:47:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : NACC_48608_3

Number of peaks found:	6	Corr. Area 1:	468.1
Noise:	0.2		

Peak table for sample 6 : NACC_48608_3

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	543	26.57	74.1	
3	1,086	647.02	902.9	
4	1,233	145.15	178.3	
5	1,419	109.86	117.3	
6	1,644	591.16	544.7	
7	5,541	6.83	1.9	
8	10,380	75.00	10.9	Upper Marker

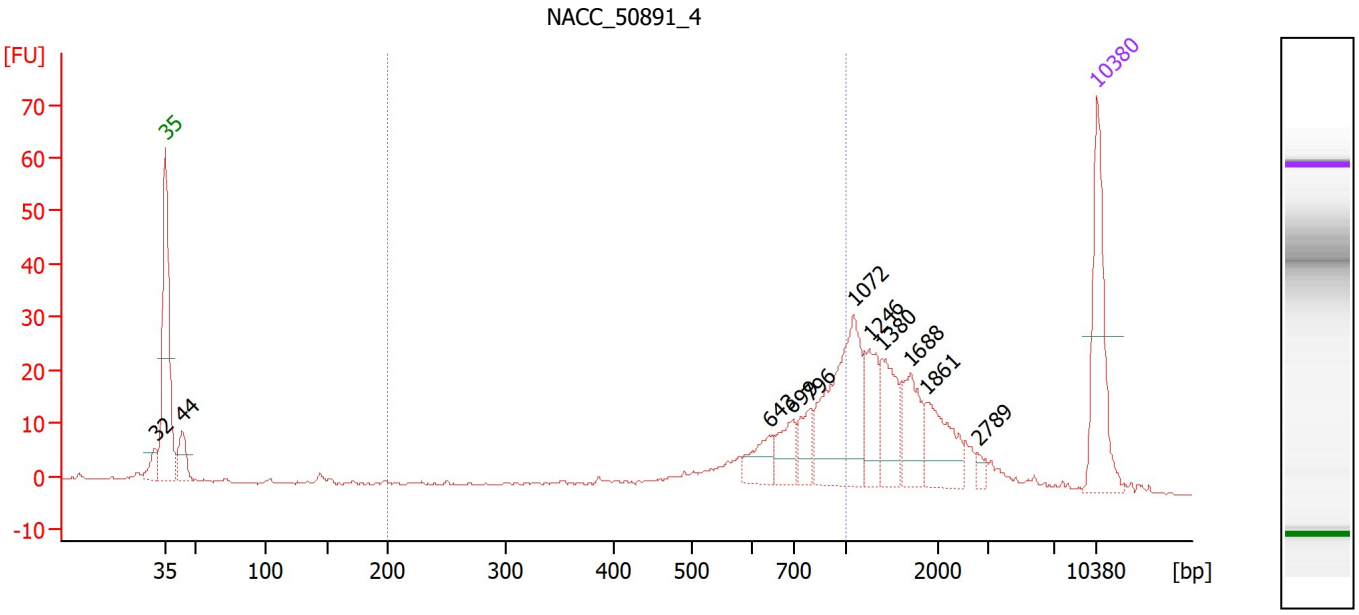
Region table for sample 6 : NACC_48608_3

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	468.1	35	756	20.4	709.78	1,507.7	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ioanalyzer\2100 expert\data\2024-06-14\10XSC0353 cDNA-2.xad

Created: 6/14/2024 3:33:00 PM
Modified: 6/18/2024 12:47:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : NACC_50891_4

Number of peaks found:	11	Corr. Area 1:	140.9
Noise:	0.2		

Peak table for sample 7 : NACC_50891_4

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	32	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	44	34.20	1,190.8	
4	643	28.77	67.8	
5	699	29.95	64.9	
6	796	24.69	47.0	
7	1,072	121.74	172.1	
8	1,246	39.67	48.3	
9	1,380	44.06	48.4	
10	1,688	39.96	35.9	
11	1,861	47.47	38.6	
12	2,789	5.51	3.0	
13	10,380	75.00	10.9	Upper Marker

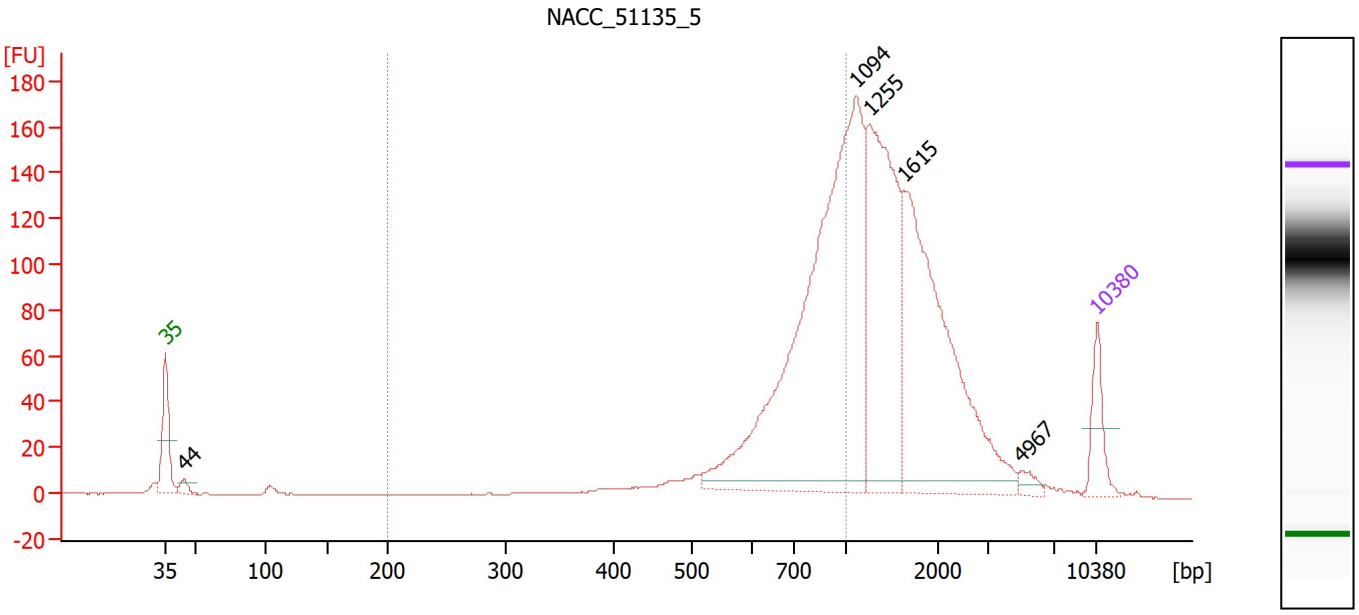
Region table for sample 7 : NACC_50891_4

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	140.9	38	737	22.8	219.12	490.1	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ioanalyzer\2100 expert\data\2024-06-14\10XSC0353 cDNA-2.xad

Created: 6/14/2024 3:33:00 PM
Modified: 6/18/2024 12:47:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : NACC_51135_5

Number of peaks found:	5	Corr. Area 1:	752.0
Noise:	0.2		

Peak table for sample 8 : NACC_51135_5

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	44	24.42	833.3	
3	1,094	1,262.29	1,747.8	
4	1,255	574.64	694.0	
5	1,615	687.68	645.0	
6	4,967	19.46	5.9	
7	10,380	75.00	10.9	Upper Marker

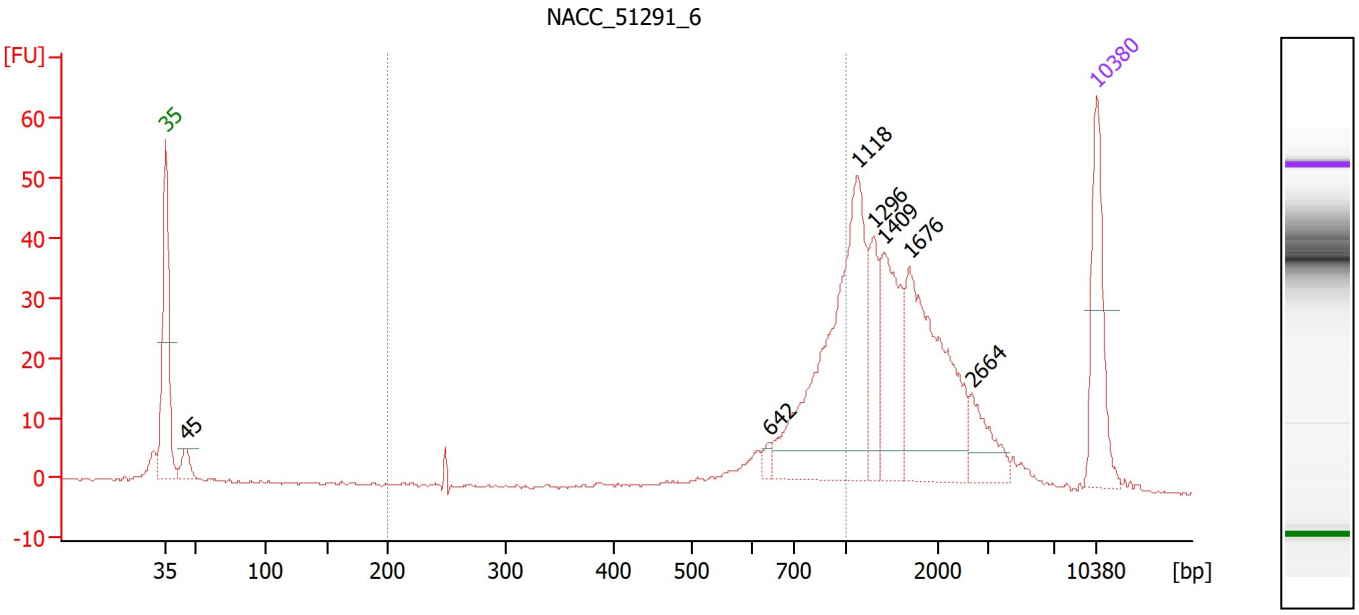
Region table for sample 8 : NACC_51135_5

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	752.0	38	765	21.3	1,193.15	2,564.9	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ioanalyzer\2100 expert\data\2024-06-14\10XSC0353 cDNA-2.xad

Created: 6/14/2024 3:33:00 PM
Modified: 6/18/2024 12:47:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : NACC_51291_6

Number of peaks found:	7	Corr. Area 1:	136.1
Noise:	0.2		

Peak table for sample 9 : NACC_51291_6

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	45	22.95	768.4	
3	642	7.57	17.9	
4	1,118	260.93	353.7	
5	1,296	49.55	57.9	
6	1,409	92.85	99.8	
7	1,676	165.14	149.3	
8	2,664	35.81	20.4	
9	10,380	75.00	10.9	Upper Marker

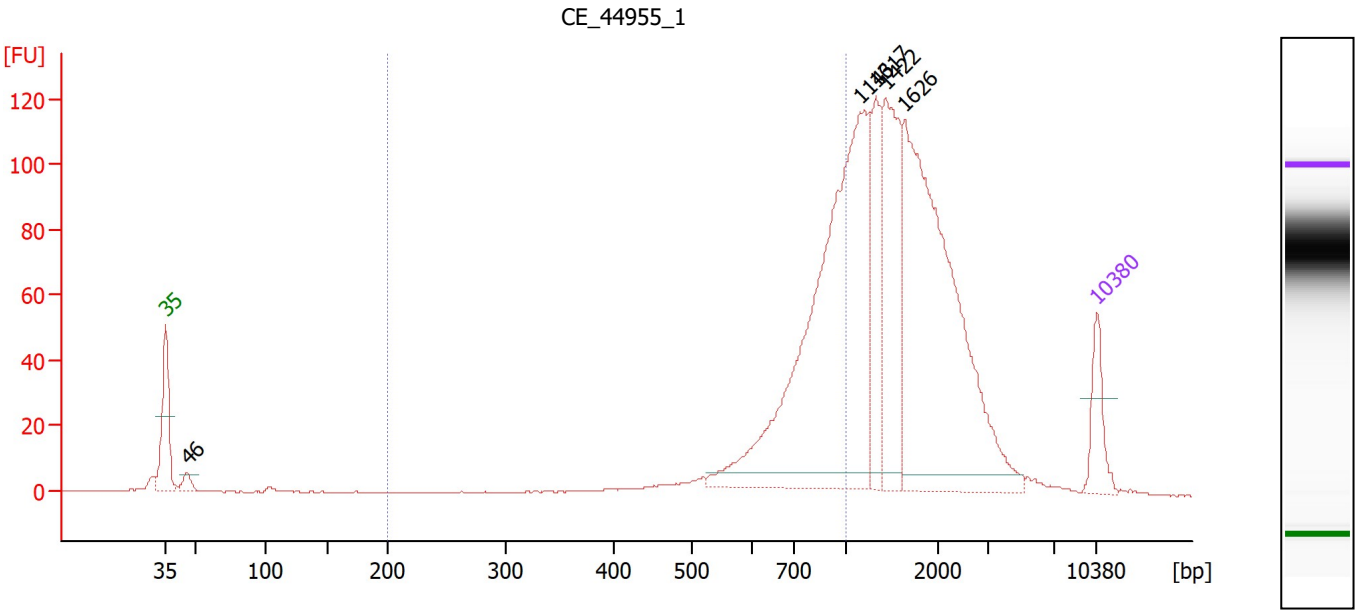
Region table for sample 9 : NACC_51291_6

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	136.1	27	788	19.6	231.10	480.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ioanalyzer\2100 expert\data\2024-06-14\10XSC0353 cDNA-2.xad

Created: 6/14/2024 3:33:00 PM
Modified: 6/18/2024 12:47:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : CE_44955_1

Number of peaks found:	5	Corr. Area 1:	428.1
Noise:	0.1		

Peak table for sample 10 : CE_44955_1

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◀	35	125.00	5,411.3	Lower Marker
2		46	30.92	1,017.1	
3		1,146	1,034.27	1,367.7	
4		1,317	183.33	211.0	
5		1,422	319.10	339.9	
6		1,626	856.41	798.2	
7	▶	10,380	75.00	10.9	Upper Marker

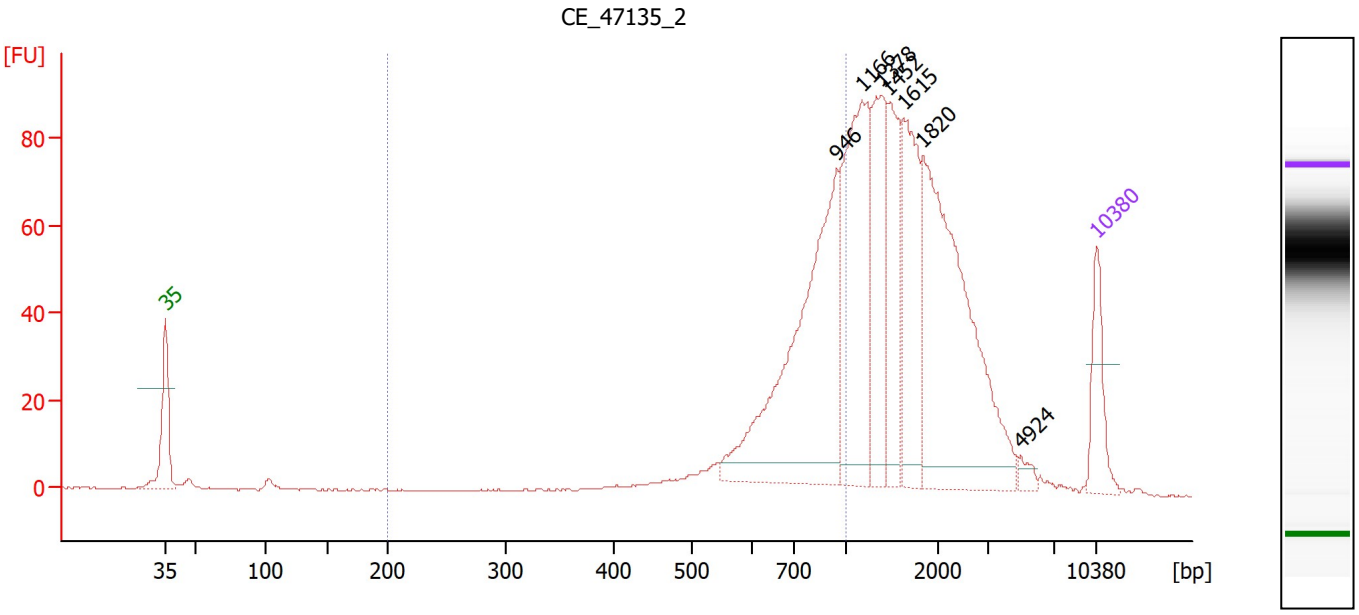
Region table for sample 10 : CE_44955_1

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	428.1	30	779	20.5	894.95	1,881.7	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ioanalyzer\2100 expert\data\2024-06-14\10XSC0353 cDNA-2.xad

Created: 6/14/2024 3:33:00 PM
Modified: 6/18/2024 12:47:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : CE_47135_2

Number of peaks found:	7	Corr. Area 1:	375.5
Noise:	0.2		

Peak table for sample 11 : CE_47135_2

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	◀	35	125.00	5,411.3	Lower Marker
2		946	538.63	862.5	
3		1,166	350.89	456.0	
4		1,378	189.25	208.0	
5		1,452	155.56	162.3	
6		1,615	195.11	183.0	
7		1,820	492.83	410.3	
8		4,924	14.44	4.4	
9	▶	10,380	75.00	10.9	Upper Marker

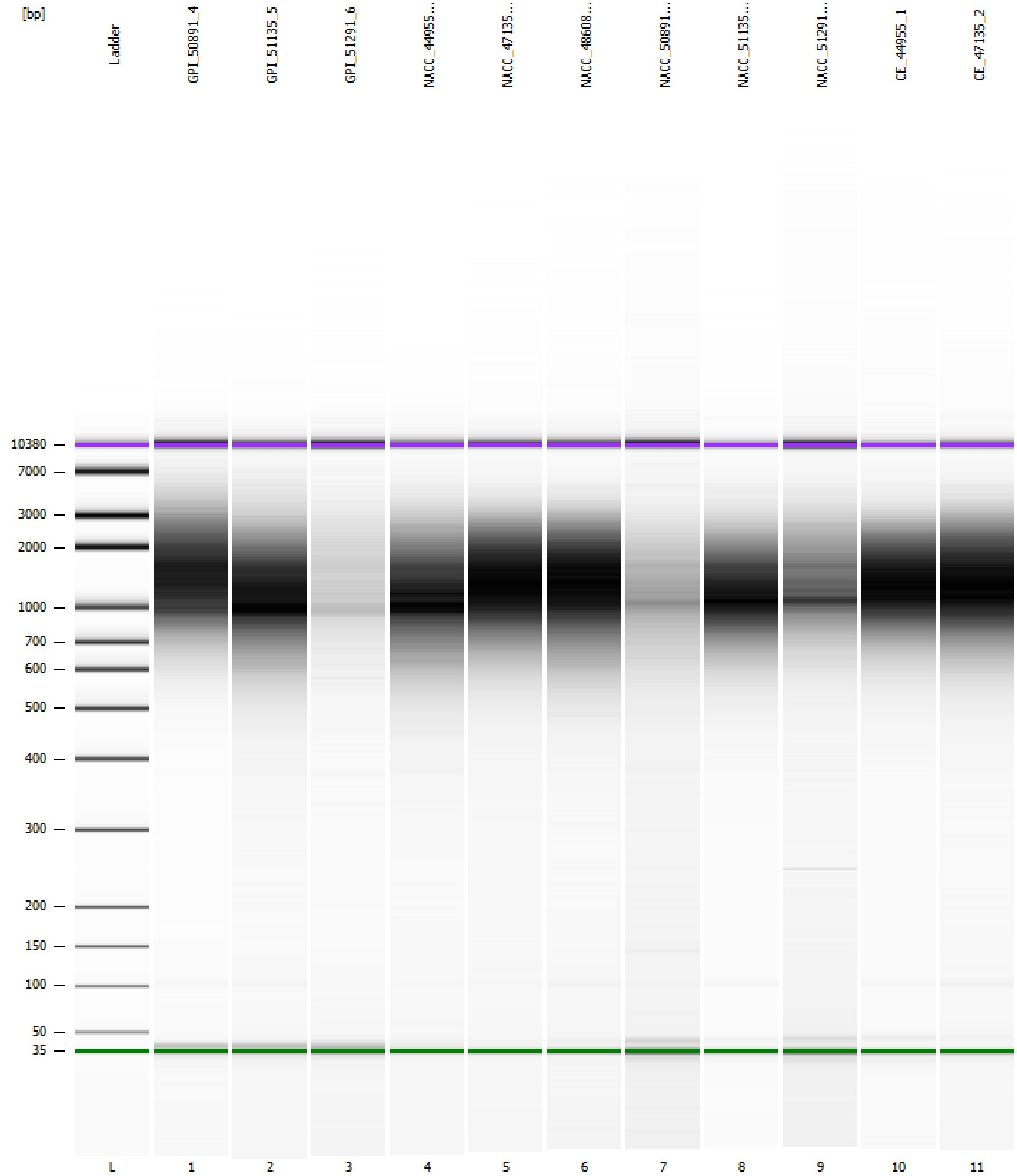
Region table for sample 11 : CE_47135_2

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	375.5	32	773	20.1	776.62	1,625.5	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ioanalyzer\2100 expert\data\2024-06-14\10XSC0353 cDNA-2.xad

Created: 6/14/2024 3:33:00 PM
Modified: 6/18/2024 12:47:01 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ioanalyzer\2100 expert\data\2024-06-14\10XSC0353 cDNA-2.xad

Created: 6/14/2024 3:33:00 PM
Modified: 6/18/2024 12:47:01 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		6/14/2024 4:13:26 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2024-06-14\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2024-06-14_002.xad)		Instrument	Run		6/14/2024 3:33:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Product Number : G2938C		Instrument	Run		6/14/2024 3:33:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Name :		Instrument	Run		6/14/2024 3:33:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Vendor : Agilent Technologies		Instrument	Run		6/14/2024 3:33:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Serial# : DE34903152		Instrument	Run		6/14/2024 3:33:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Firmware : C.01.069		Instrument	Run		6/14/2024 3:33:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Cartridge : Electrode		Instrument	Run		6/14/2024 3:33:06 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB