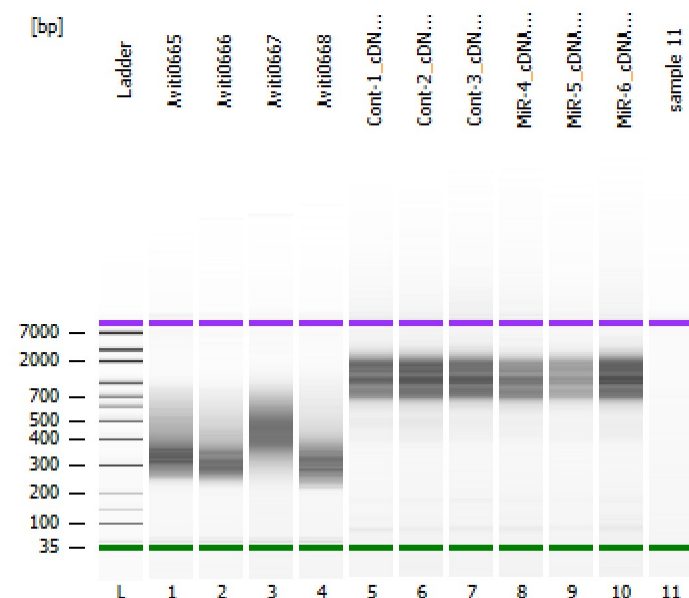


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-11_002.xad

Created: 4/11/2025 12:41:14 PM
Modified: 4/11/2025 1:26:55 PM

Electrophoresis File Run Summary



Instrument Information:

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

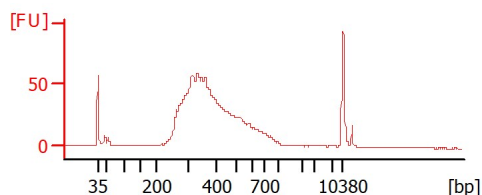
Assay Information:

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

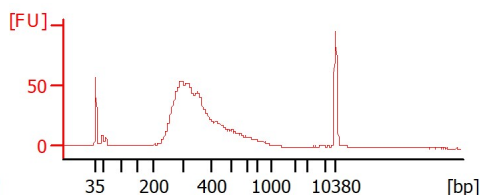
Chip Information:

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

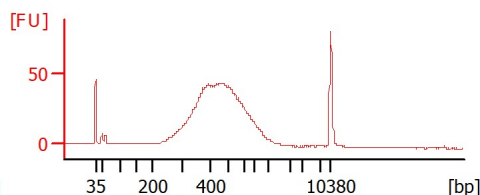
Aviti0665



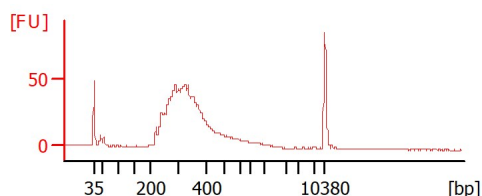
Aviti0666



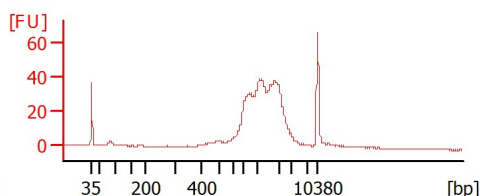
Aviti0667



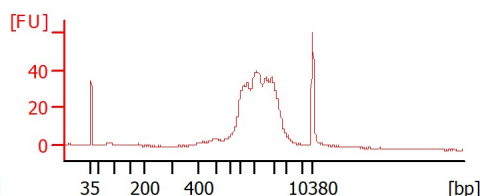
Aviti0668



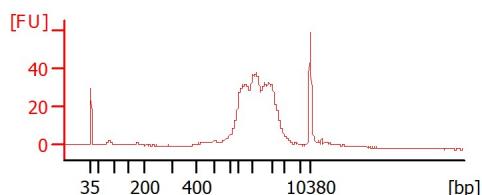
Cont-1_cDNA-PCR



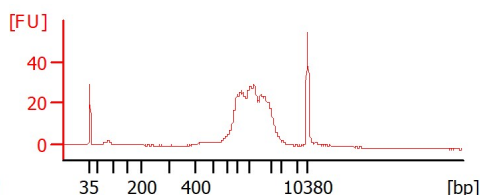
Cont-2_cDNA-PCR



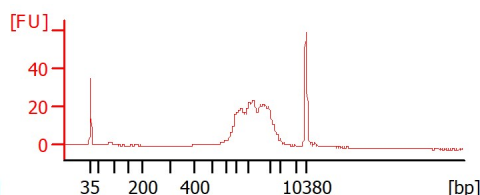
Cont-3_cDNA-PCR



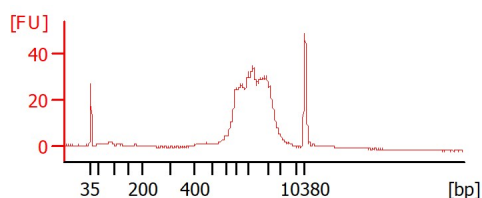
MiR-4_cDNA-PCR



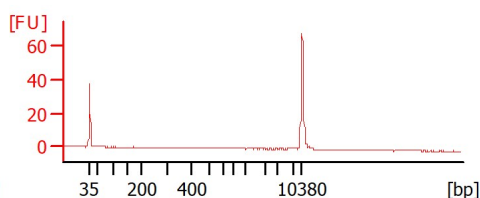
MiR-5_cDNA-PCR



MiR-6_cDNA-PCR



sample 11



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-11_002.xad

Created: 4/11/2025 12:41:14 PM
Modified: 4/11/2025 1:26:55 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Aviti0665		☐	✓			
Aviti0666		☐	✓			
Aviti0667		☐	✓			
Aviti0668		☐	✓			
Cont-1_cDNA-PCR		☐	✓			
Cont-2_cDNA-PCR		☐	✓			
Cont-3_cDNA-PCR		☐	✓			
MiR-4_cDNA-PCR		☐	✓			
MiR-5_cDNA-PCR		☐	✓			
MiR-6_cDNA-PCR		☐	✓			
sample 11		☐	✓			
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-11_002.xad

Created: 4/11/2025 12:41:14 PM
 Modified: 4/11/2025 1:26:55 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

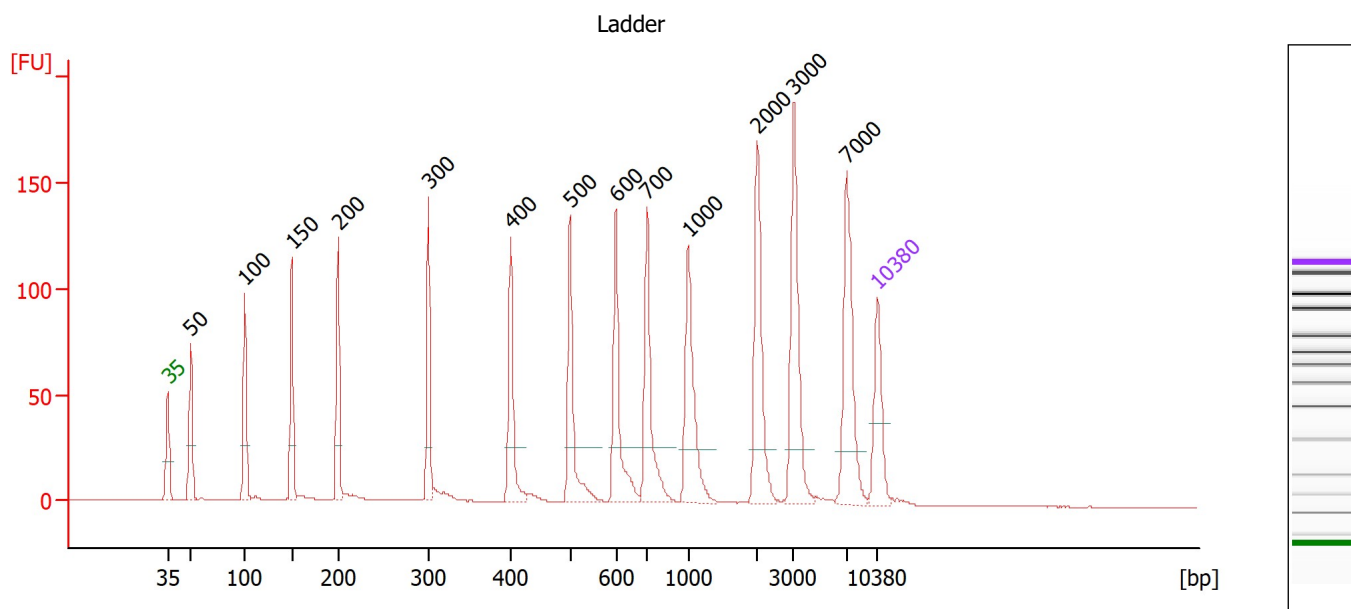
Ladder

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:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-11_002.xad

Created: 4/11/2025 12:41:14 PM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

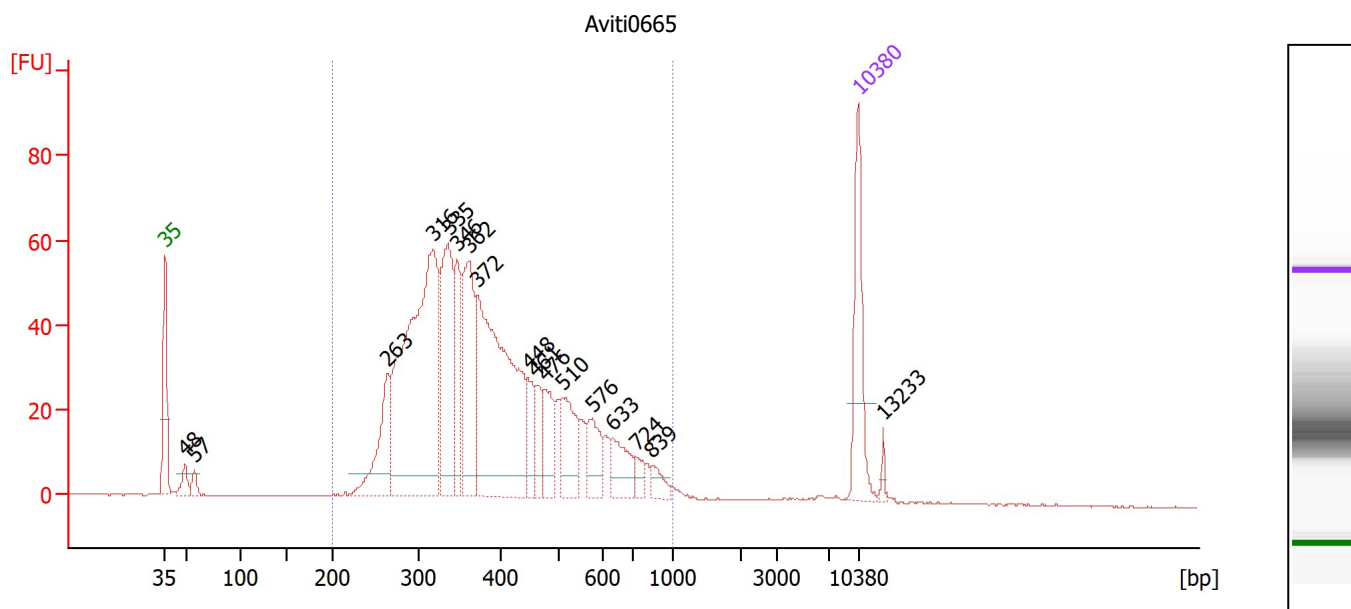
Peak table for Ladder

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:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-11_002.xad

Created: 4/11/2025 12:41:14 PM
 Modified: 4/11/2025 1:26:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Aviti0665

Number of peaks found: 17 Corr. Area 1: 1,174.9
 Noise: 0.1

Peak table for sample 1 : Aviti0665

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	48	22.28	700.0	
3	57	15.45	410.5	
4	263	99.37	571.8	
5	316	471.31	2,259.0	
6	335	174.30	787.7	
7	346	78.32	342.5	
8	362	147.21	616.7	
9	372	354.04	1,443.6	
10	448	38.84	131.4	
11	461	36.74	120.8	
12	476	45.49	144.9	
13	510	69.35	205.9	
14	576	41.82	110.1	
15	633	41.87	100.3	
16	724	12.95	27.1	
17	839	14.47	26.1	
18	10,380	75.00	10.9	Upper Marker
19	13,233	0.00	0.0	

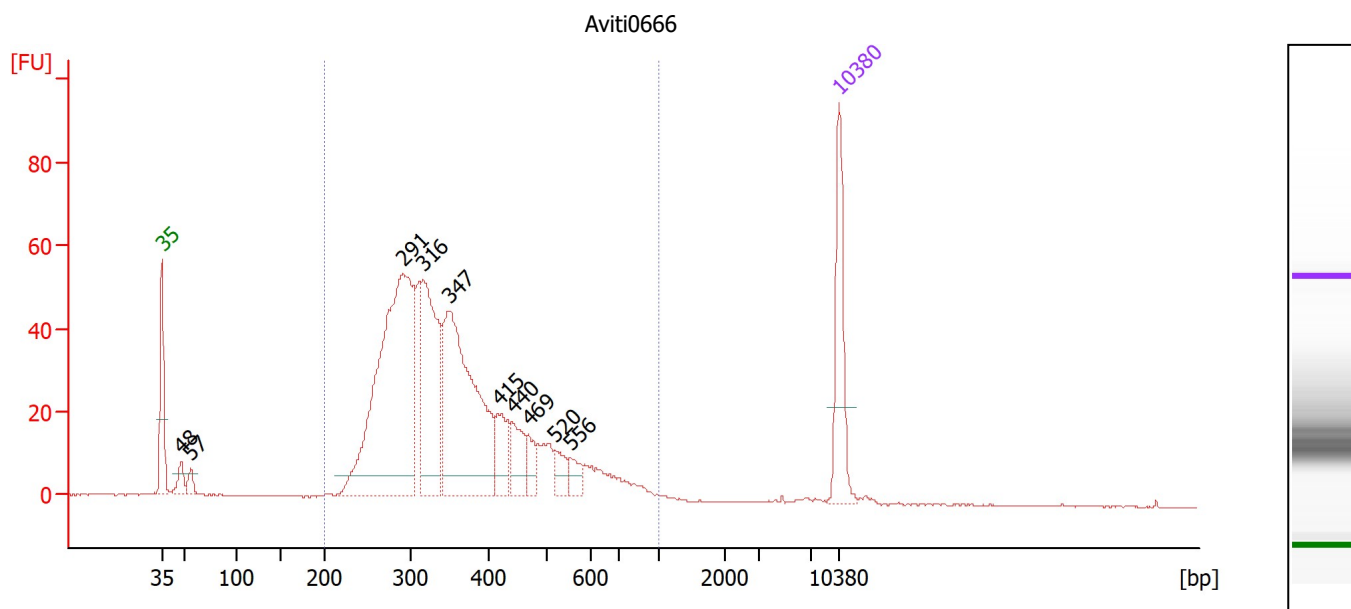
Region table for sample 1 : Aviti0665

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	1,174.9	96	403	31.5	1,766.36	7,385.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-11_002.xad

Created: 4/11/2025 12:41:14 PM
 Modified: 4/11/2025 1:26:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Aviti0666

Number of peaks found: 10 Corr. Area 1: 949.9
 Noise: 0.1

Peak table for sample 2 : Aviti0666

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	48	23.26	731.9	
3	57	15.65	418.6	
4	291	509.32	2,654.3	
5	316	203.82	976.5	
6	347	327.40	1,428.3	
7	415	46.29	169.0	
8	440	43.38	149.5	
9	469	22.15	71.6	
10	520	22.30	65.1	
11	556	18.04	49.2	
12	10,380	75.00	10.9	Upper Marker

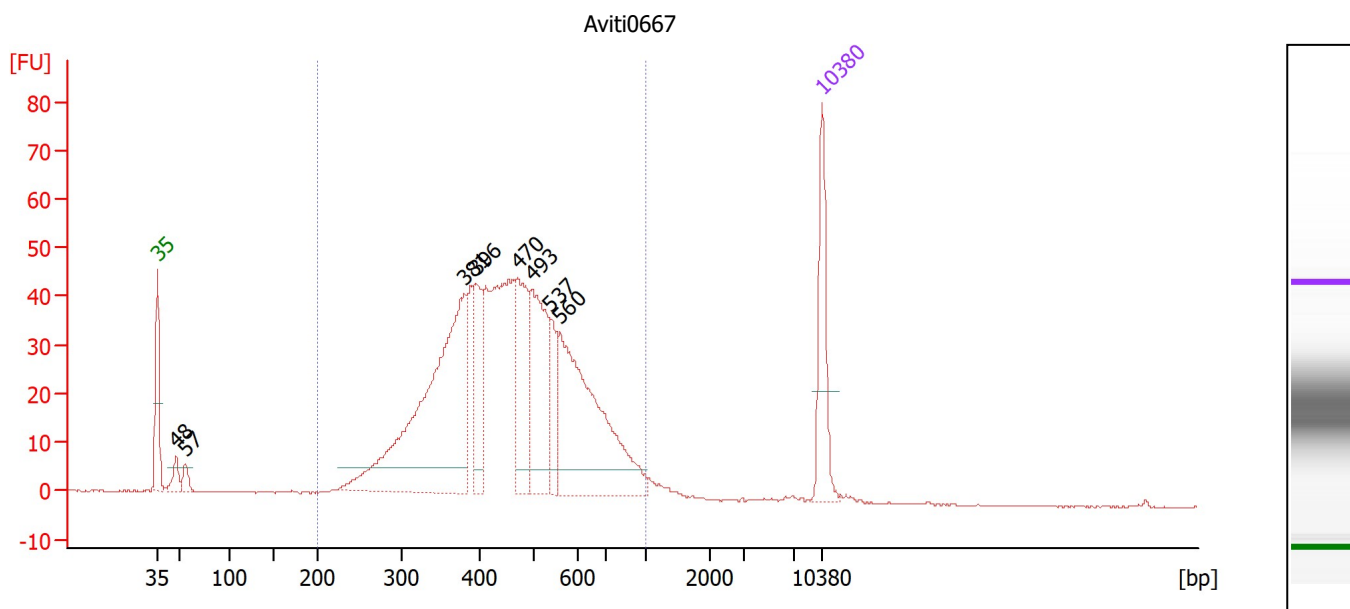
Region table for sample 2 : Aviti0666

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	949.9	96	368	30.7	1,389.34	6,285.7	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-11_002.xad

Created: 4/11/2025 12:41:14 PM
Modified: 4/11/2025 1:26:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Aviti0667

Number of peaks found: 8 Corr. Area 1: 971.7
Noise: 0.1

Peak table for sample 3 : Aviti0667

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	48	25.42	801.8	
3	57	17.84	477.1	
4	381	445.53	1,771.0	
5	396	83.53	319.9	
6	470	126.43	407.7	
7	493	155.75	478.7	
8	537	48.87	137.9	
9	560	285.47	771.8	
10	10,380	75.00	10.9	Upper Marker

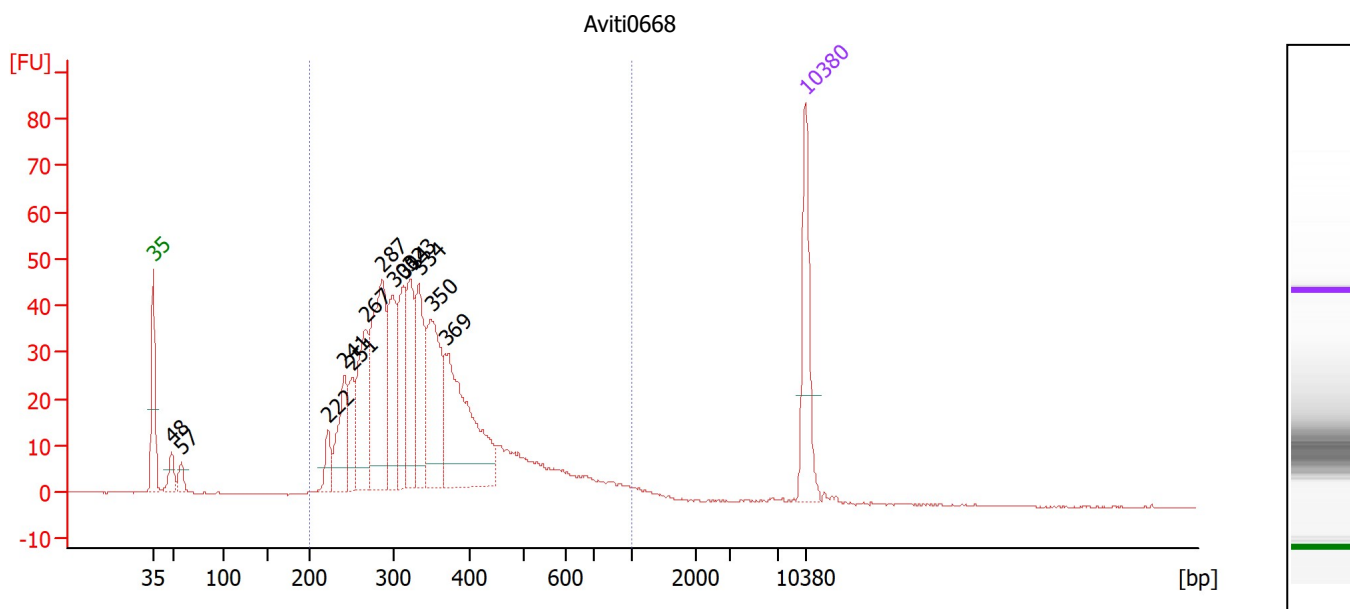
Region table for sample 3 : Aviti0667

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	971.7	95	468	27.8	1,582.65	5,651.1	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-11_002.xad

Created: 4/11/2025 12:41:14 PM
Modified: 4/11/2025 1:26:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Aviti0668

Number of peaks found: 13 Corr. Area 1: 850.8
Noise: 0.1

Peak table for sample 4 : Aviti0668

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	48	27.56	871.9	
3	57	20.00	535.1	
4	222	28.69	196.1	
5	241	80.69	507.3	
6	251	49.30	298.0	
7	267	117.86	669.5	
8	287	198.66	1,047.6	
9	300	109.47	553.7	
10	314	92.84	448.6	
11	323	93.23	437.8	
12	334	104.41	473.8	
13	350	134.44	582.0	
14	369	201.08	825.7	
15	10,380	75.00	10.9	Upper Marker

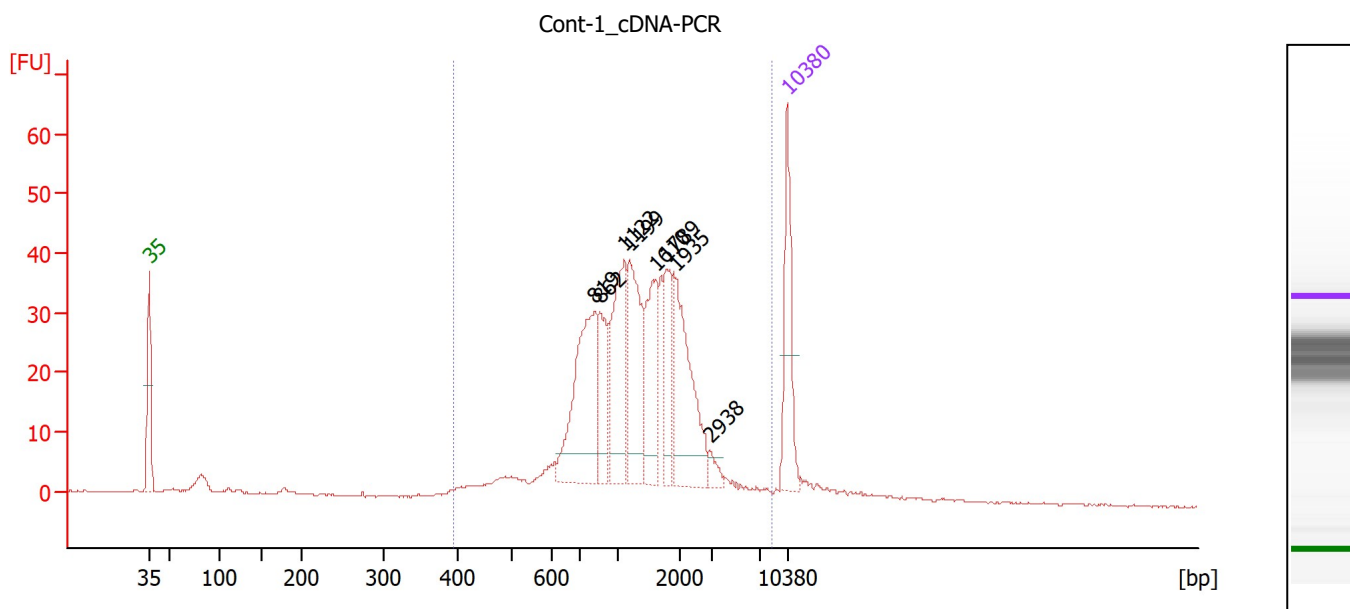
Region table for sample 4 : Aviti0668

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	850.8	95	358	32.5	1,462.45	6,844.3	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-11_002.xad

Created: 4/11/2025 12:41:14 PM
Modified: 4/11/2025 1:26:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Cont-1_cDNA-PCR

Number of peaks found: 8 Corr. Area 1: 535.6
Noise: 0.1

Peak table for sample 5 : Cont-1_cDNA-PCR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	819	171.32	316.9	
3	862	62.41	109.6	
4	1,122	116.77	157.7	
5	1,199	110.98	140.2	
6	1,610	86.38	81.3	
7	1,789	57.57	48.8	
8	1,935	114.64	89.8	
9	2,938	10.04	5.2	
10	10,380	75.00	10.9	Upper Marker

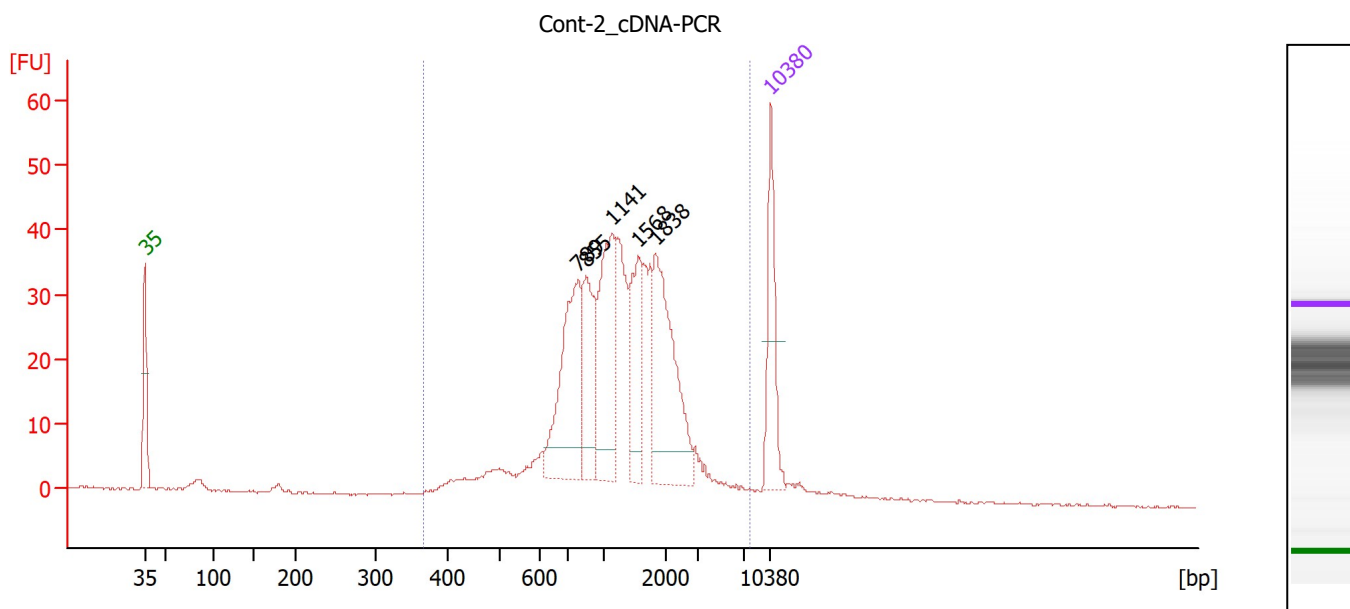
Region table for sample 5 : Cont-1_cDNA-PCR

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
394	8,401	535.6	92	1,469	63.7	975.25	1,381.2	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-11_002.xad

Created: 4/11/2025 12:41:14 PM
Modified: 4/11/2025 1:26:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Cont-2_cDNA-PCR

Number of peaks found: 5 Corr. Area 1: 545.6
Noise: 0.2

Peak table for sample 6 : Cont-2_cDNA-PCR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	789	173.06	332.5	
3	855	99.48	176.3	
4	1,141	138.51	184.0	
5	1,568	84.50	81.7	
6	1,838	161.01	132.7	
7	10,380	75.00	10.9	Upper Marker

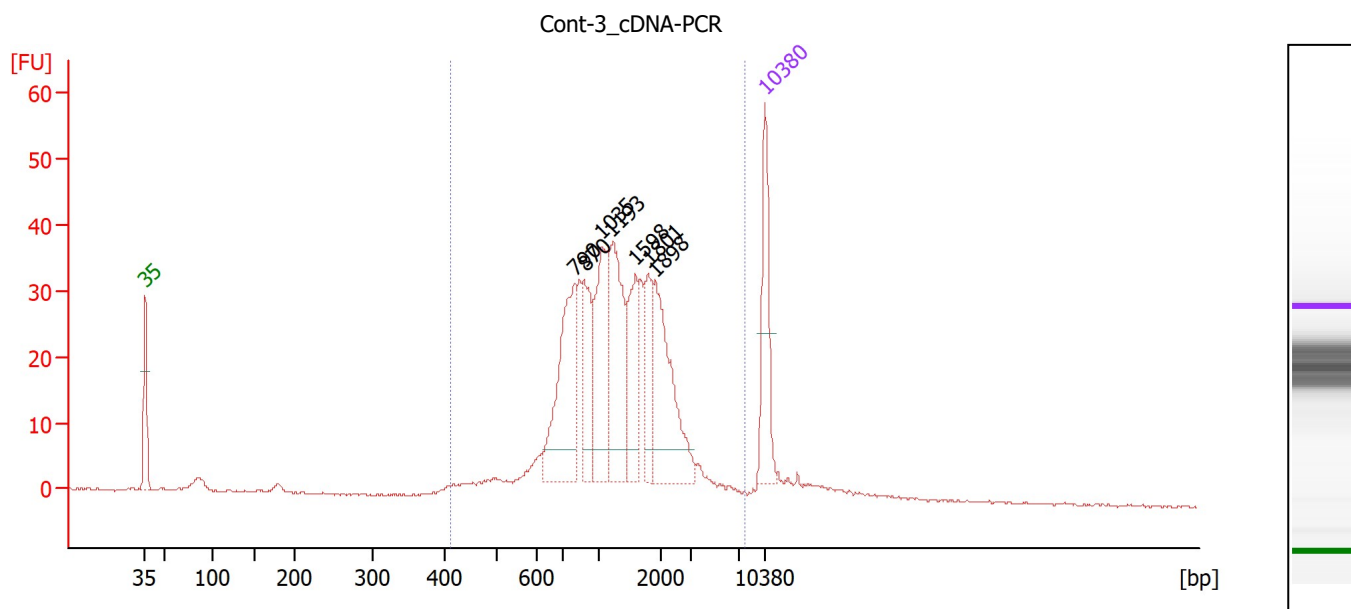
Region table for sample 6 : Cont-2_cDNA-PCR

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
366	7,761	545.6	96	1,402	60.9	1,021.06	1,508.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-11_002.xad

Created: 4/11/2025 12:41:14 PM
 Modified: 4/11/2025 1:26:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Cont-3_cDNA-PCR

Number of peaks found: 7 Corr. Area 1: 494.7
 Noise: 0.2

Peak table for sample 7 : Cont-3_cDNA-PCR

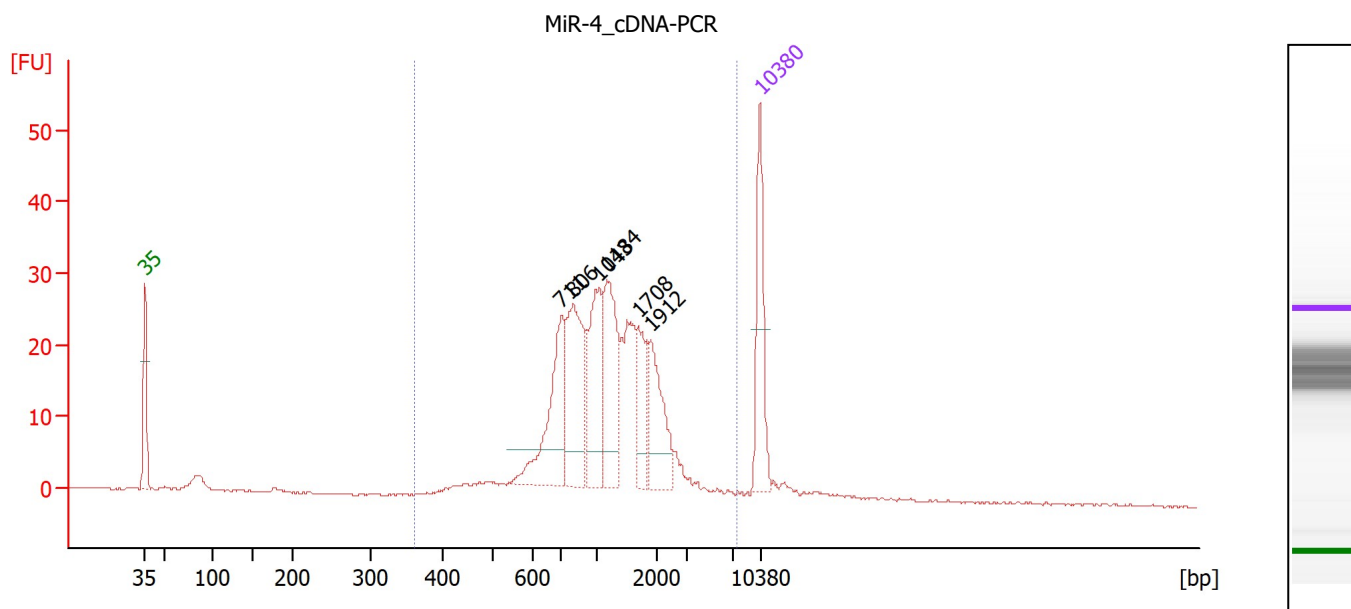
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	790	156.78	300.7	
3	870	71.64	124.7	
4	1,035	108.66	159.1	
5	1,193	124.68	158.3	
6	1,598	69.60	66.0	
7	1,801	51.05	42.9	
8	1,898	124.44	99.3	
9	10,380	75.00	10.9	Upper Marker

Region table for sample 7 : Cont-3_cDNA-PCR

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
411	7,877	494.7	93	1,424	60.0	969.15	1,376.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-11_002.xad

Created: 4/11/2025 12:41:14 PM
 Modified: 4/11/2025 1:26:55 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : MiR-4 cDNA-PCR**

Number of peaks found: 6 Corr. Area 1: 372.8
 Noise: 0.2

Peak table for sample 8 : MiR-4 cDNA-PCR

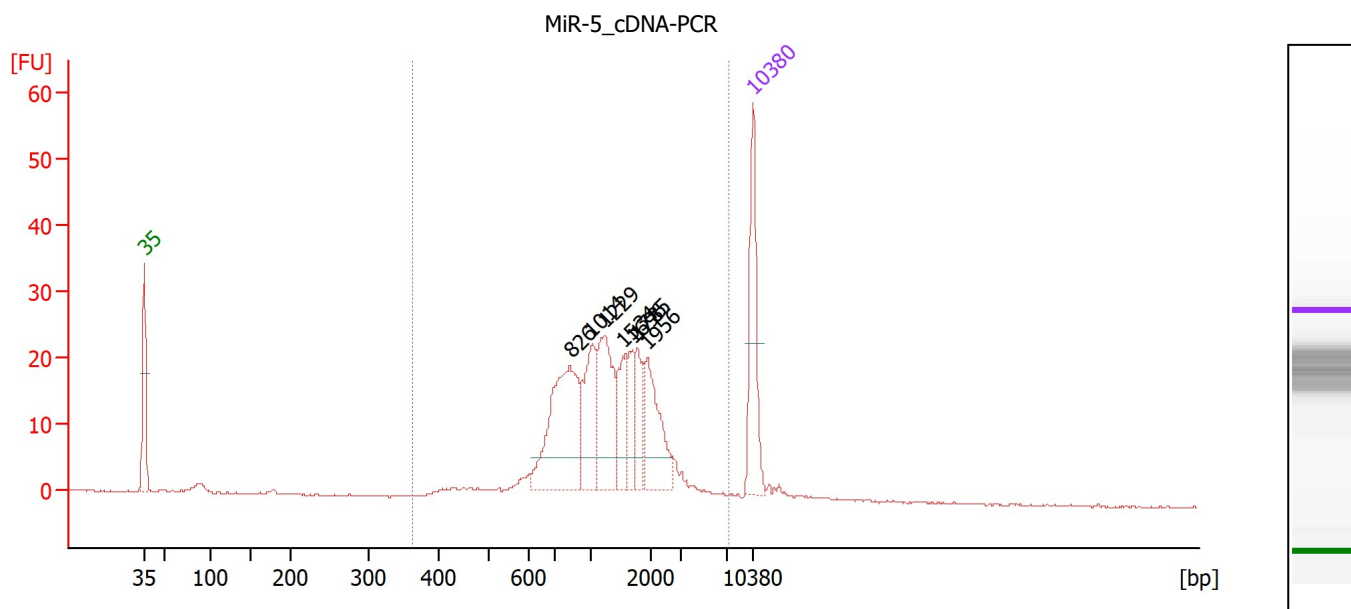
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	711	124.29	264.7	
3	806	124.14	233.4	
4	1,043	93.05	135.2	
5	1,184	101.06	129.3	
6	1,708	44.24	39.2	
7	1,912	64.27	50.9	
8	10,380	75.00	10.9	Upper Marker

Region table for sample 8 : MiR-4 cDNA-PCR

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
360	7,481	372.8	93	1,314	58.7	790.60	1,193.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-11_002.xad

Created: 4/11/2025 12:41:14 PM
 Modified: 4/11/2025 1:26:55 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : MiR-5 cDNA-PCR**

Number of peaks found: 7 Corr. Area 1: 309.5
 Noise: 0.1

Peak table for sample 9 : MiR-5 cDNA-PCR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	826	151.62	278.3	
3	1,014	68.15	101.8	
4	1,229	85.59	105.5	
5	1,534	38.71	38.2	
6	1,696	34.24	30.6	
7	1,785	28.93	24.6	
8	1,956	65.46	50.7	
9	10,380	75.00	10.9	Upper Marker

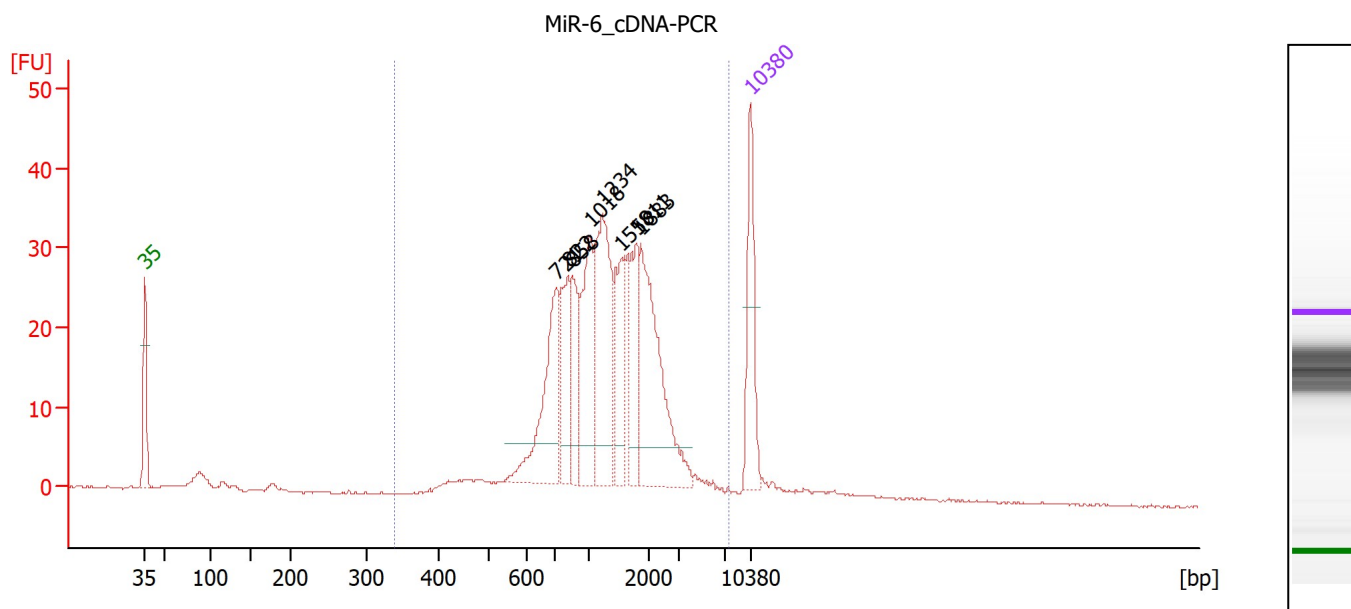
Region table for sample 9 : MiR-5 cDNA-PCR

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
362	7,345	309.5	94	1,409	57.8	590.89	846.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-11_002.xad

Created: 4/11/2025 12:41:14 PM
 Modified: 4/11/2025 1:26:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : MiR-6_cDNA-PCR

Number of peaks found: 8 Corr. Area 1: 438.7
 Noise: 0.1

Peak table for sample 10 : MiR-6_cDNA-PCR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	721	142.64	299.6	
3	822	76.00	140.1	
4	858	58.48	103.2	
5	1,018	107.02	159.3	
6	1,234	152.38	187.1	
7	1,550	71.45	69.9	
8	1,811	68.59	57.4	
9	1,883	165.30	133.0	
10	10,380	75.00	10.9	Upper Marker

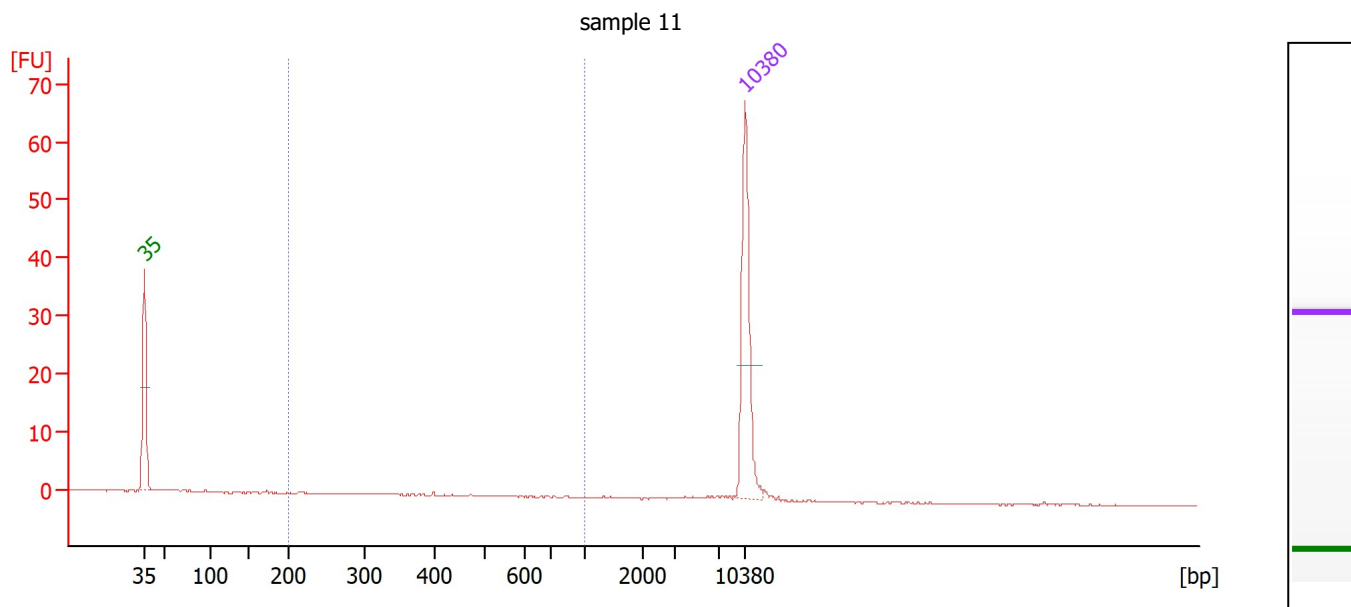
Region table for sample 10 : MiR-6_cDNA-PCR

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
339	7,677	438.7	94	1,432	58.1	1,009.33	1,423.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-11_002.xad

Created: 4/11/2025 12:41:14 PM
 Modified: 4/11/2025 1:26:55 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

Number of peaks found: 0 Corr. Area 1: 1.5
 Noise: 0.1

Peak table for sample 11 : sample 11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

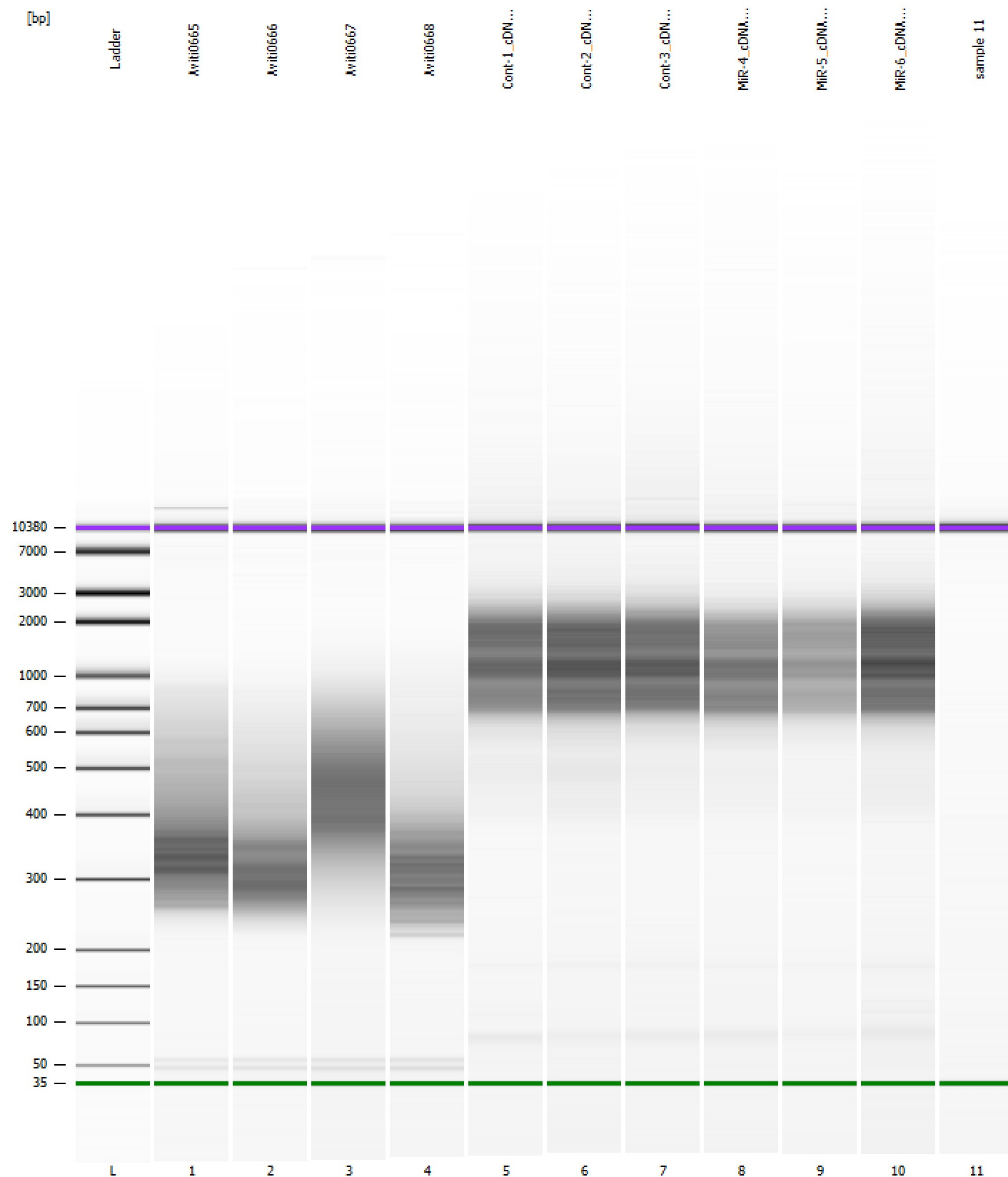
Region table for sample 11 : sample 11

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	1.5	17	393	38.3	2.84	12.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-11_002.xad

Created: 4/11/2025 12:41:14 PM
 Modified: 4/11/2025 1:26:55 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-04-11_002.xad

Created: 4/11/2025 12:41:14 PM
 Modified: 4/11/2025 1:26:55 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		4/11/2025 1:21:37 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\2025-04-11\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-04-11_002.xad)		Instrument	Run		4/11/2025 12:41:15 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		4/11/2025 12:41:15 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		4/11/2025 12:41:15 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		4/11/2025 12:41:15 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		4/11/2025 12:41:15 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		4/11/2025 12:41:15 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		4/11/2025 12:41:14 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB