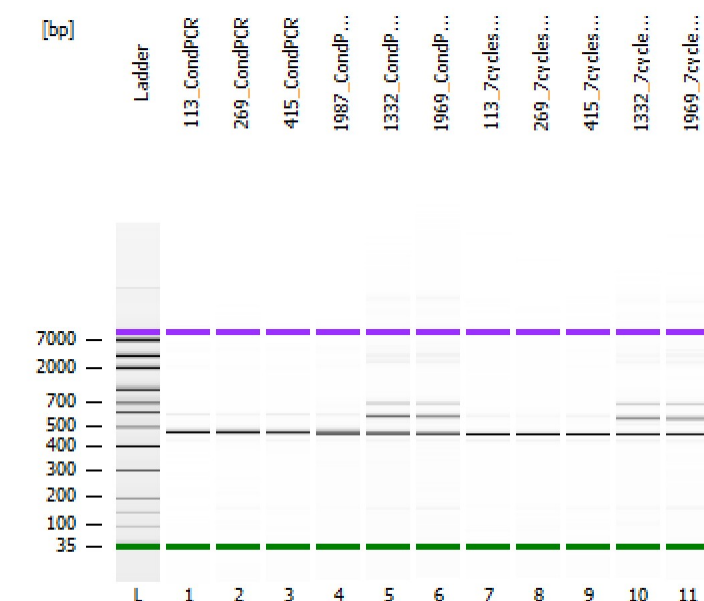


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-31_002.xad

Created: 3/31/2025 5:04:34 PM
Modified: 3/31/2025 5:53:53 PM

Electrophoresis File Run Summary



Instrument Information:

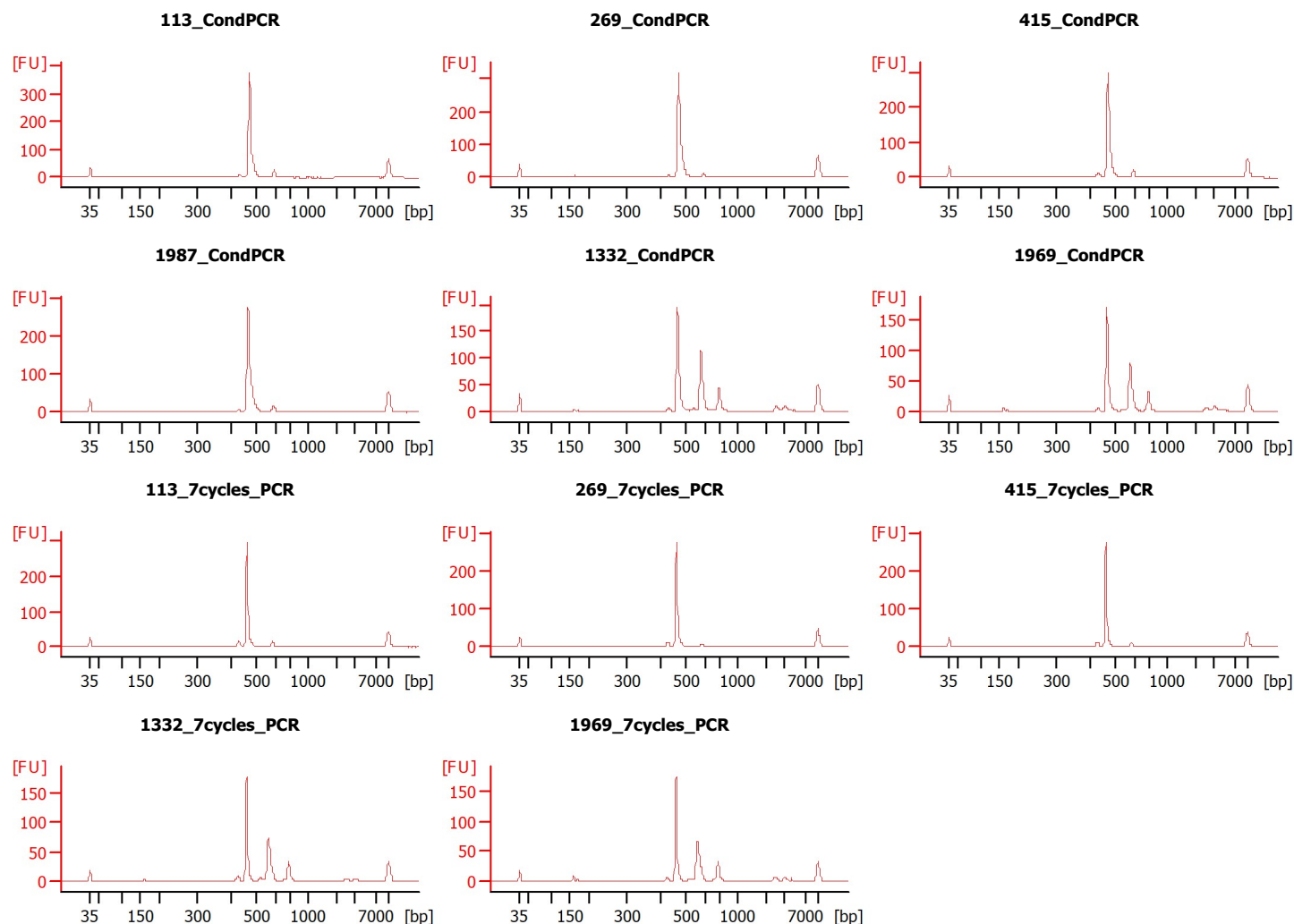
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-31_002.xad

Created: 3/31/2025 5:04:34 PM
 Modified: 3/31/2025 5:53:53 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
113_CondPCR		☐	✓			
269_CondPCR		☐	✓			
415_CondPCR		☐	✓			
1987_CondPCR		☐	✓			
1332_CondPCR		☐	✓			
1969_CondPCR		☐	✓			
113_7cycles_PCR		☐	✓			
269_7cycles_PCR		☐	✓			
415_7cycles_PCR		☐	✓			
1332_7cycles_PCR		☐	✓			
1969_7cycles_PCR		☐	✓			
Ladder		☐	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-31_002.xad

Created: 3/31/2025 5:04:34 PM
Modified: 3/31/2025 5:53:53 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

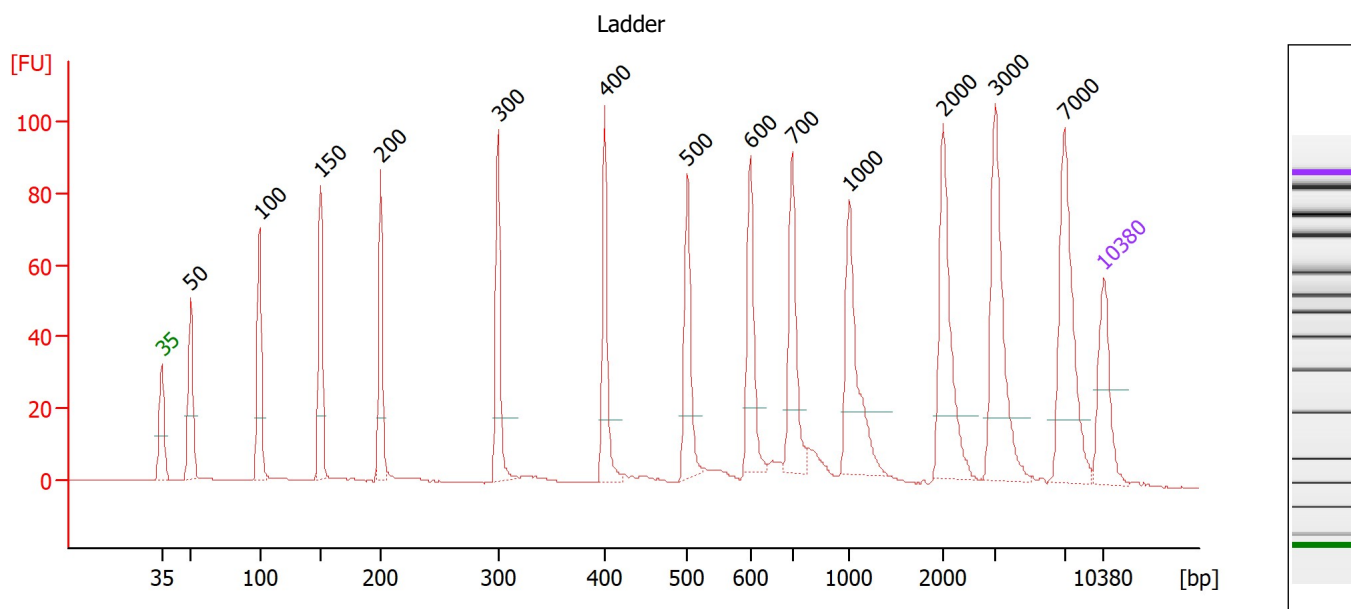
Ladder

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_2025-03-31_002.xad

Created: 3/31/2025 5:04:34 PM
Modified: 3/31/2025 5:53:53 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

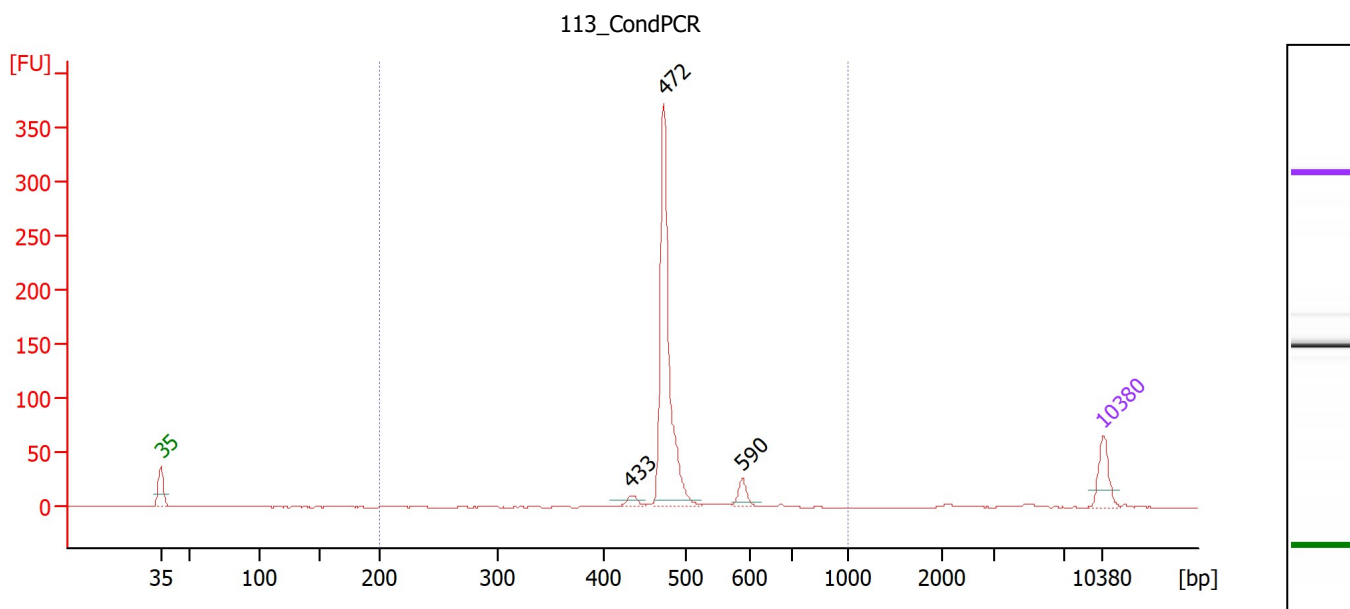
Peak table for Ladder

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:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-31_002.xad

Created: 3/31/2025 5:04:34 PM
Modified: 3/31/2025 5:53:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 113_CondPCR

Number of peaks found: 3 Corr. Area 1: 393.7
Noise: 0.1

Peak table for sample 1 : 113_CondPCR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	433	25.70	90.0	
3	472	722.65	2,318.2	
4	590	41.71	107.2	
5	10,380	75.00	10.9	Upper Marker

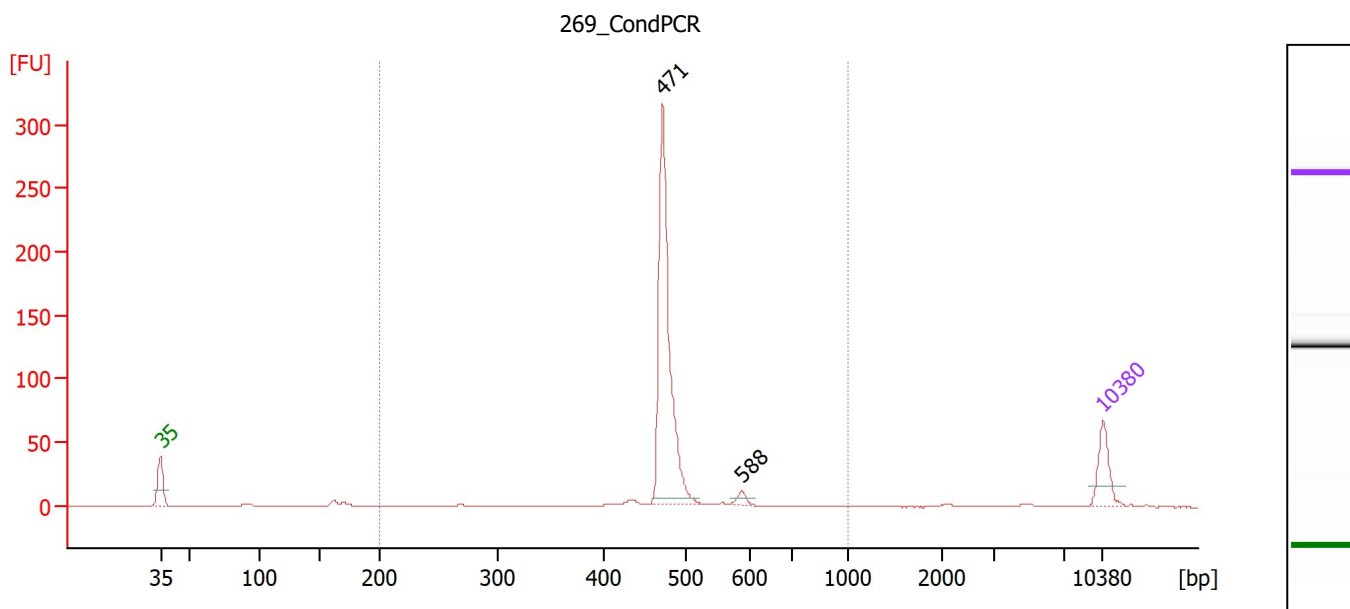
Region table for sample 1 : 113_CondPCR

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	393.7	96	484	7.6	826.83	2,603.5	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-31_002.xad

Created: 3/31/2025 5:04:34 PM
Modified: 3/31/2025 5:53:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 269_CondPCR

Number of peaks found: 2 Corr. Area 1: 389.8
Noise: 0.2

Peak table for sample 2 : 269_CondPCR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	471	658.64	2,118.3	
3	588	16.18	41.7	
4	10,380	75.00	10.9	Upper Marker

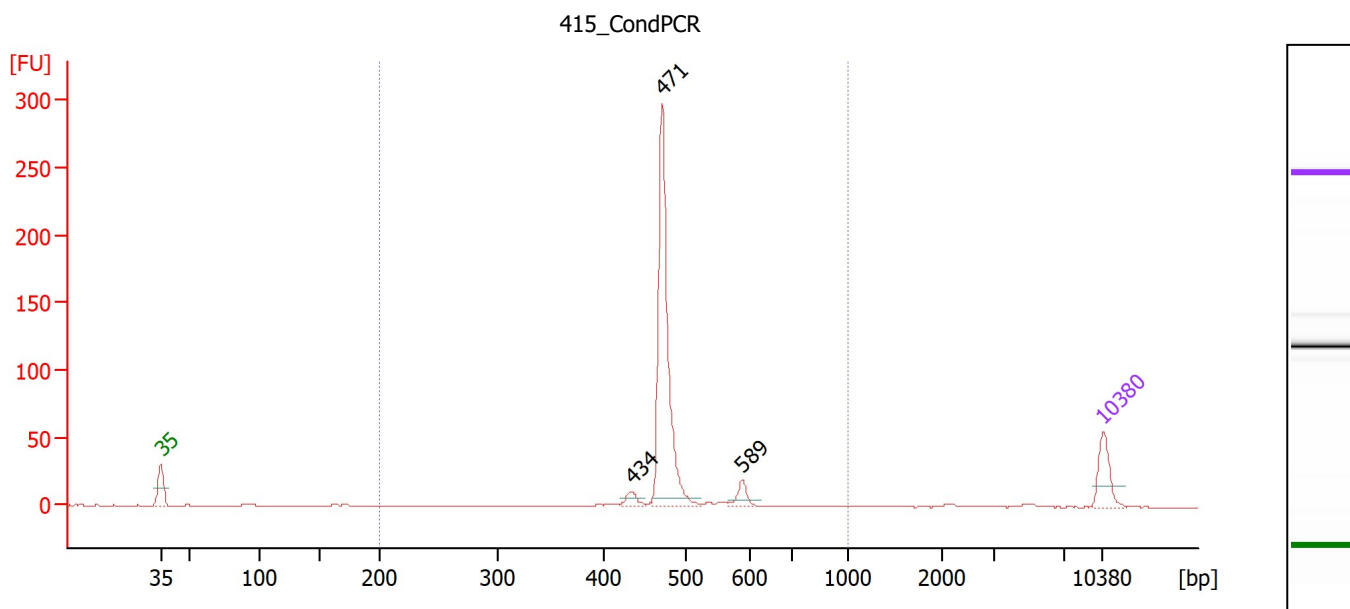
Region table for sample 2 : 269_CondPCR

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	389.8	92	477	9.6	763.04	2,473.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-31_002.xad

Created: 3/31/2025 5:04:34 PM
 Modified: 3/31/2025 5:53:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 415_CondPCR

Number of peaks found: 3 Corr. Area 1: 335.2
 Noise: 0.2

Peak table for sample 3 : 415_CondPCR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	434	27.77	97.0	
3	471	670.20	2,157.8	
4	589	38.24	98.4	
5	10,380	75.00	10.9	Upper Marker

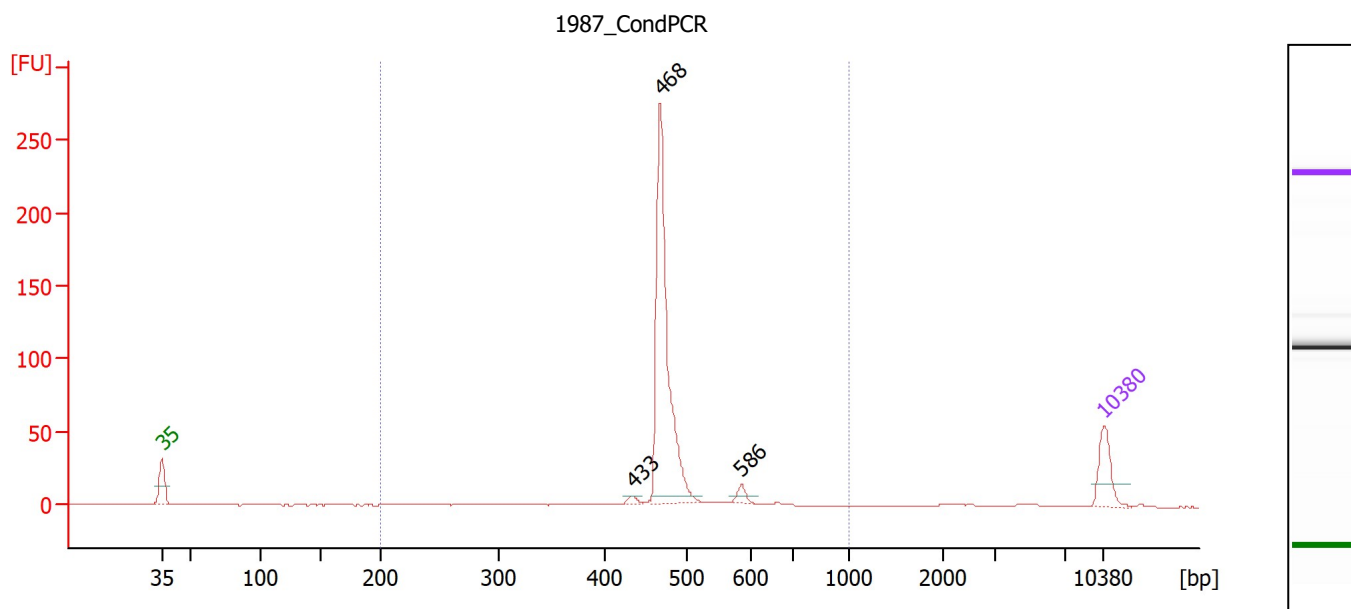
Region table for sample 3 : 415_CondPCR

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	335.2	95	481	8.2	780.67	2,477.6	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-31_002.xad

Created: 3/31/2025 5:04:34 PM
Modified: 3/31/2025 5:53:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 1987_CondPCR

Number of peaks found: 3 Corr. Area 1: 356.1
Noise: 0.1

Peak table for sample 4 : 1987_CondPCR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	433	10.83	37.9	
3	468	676.66	2,192.8	
4	586	21.75	56.2	
5	10,380	75.00	10.9	Upper Marker

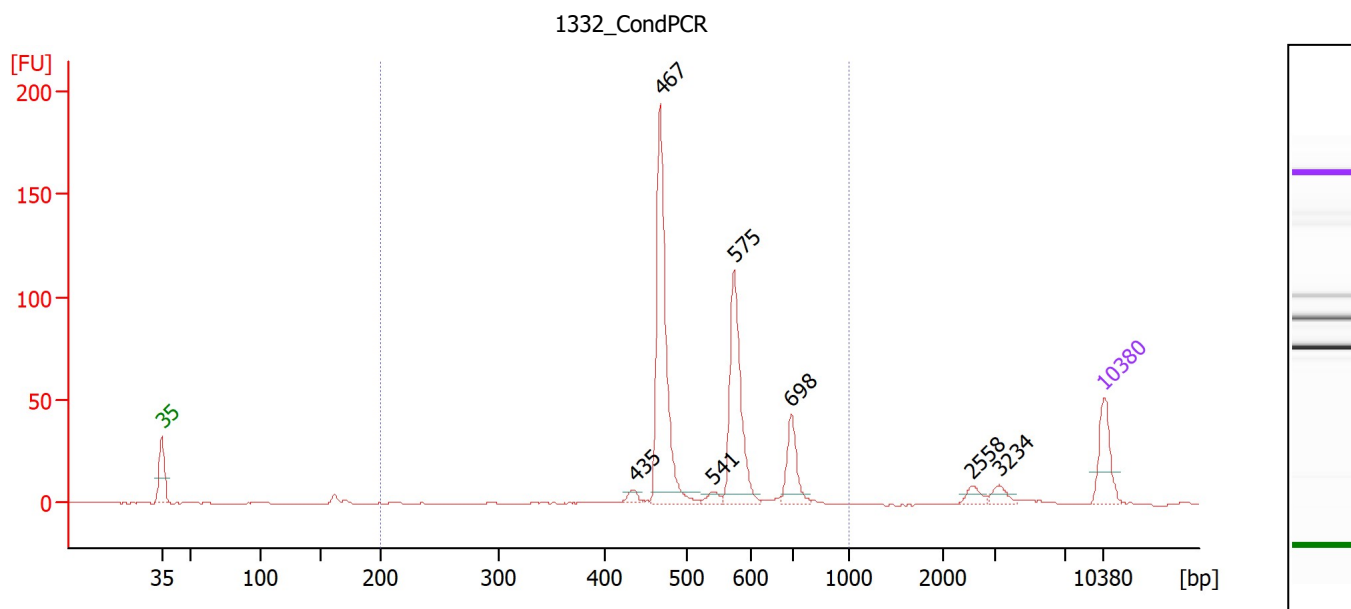
Region table for sample 4 : 1987_CondPCR

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	356.1	97	478	8.5	775.47	2,480.5	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-31_002.xad

Created: 3/31/2025 5:04:34 PM
Modified: 3/31/2025 5:53:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 1332_CondPCR

Number of peaks found: 7 Corr. Area 1: 378.3
Noise: 0.1

Peak table for sample 5 : 1332_CondPCR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	435	17.46	60.7	
3	467	455.50	1,477.9	
4	541	17.72	49.6	
5	575	272.88	719.4	
6	698	92.70	201.2	
7	2,558	18.30	10.8	
8	3,234	18.96	8.9	
9	10,380	75.00	10.9	Upper Marker

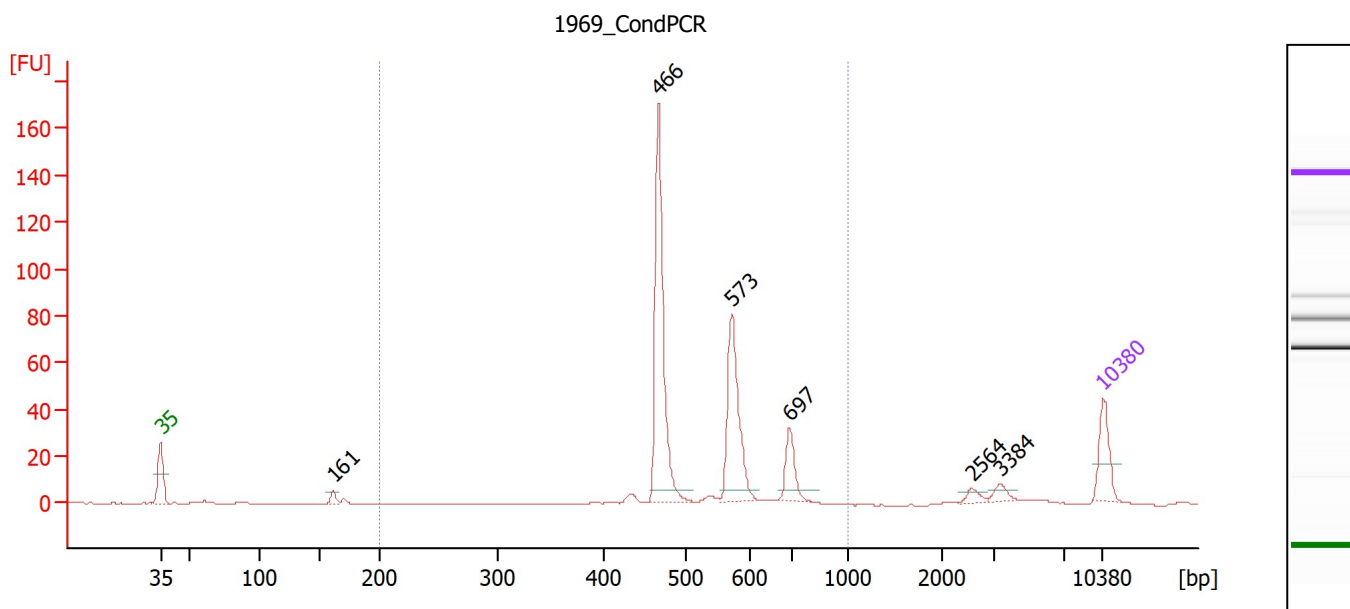
Region table for sample 5 : 1332_CondPCR

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	378.3	87	536	17.3	921.80	2,721.1	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-31_002.xad

Created: 3/31/2025 5:04:34 PM
Modified: 3/31/2025 5:53:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 1969_CondPCR

Number of peaks found: 6 Corr. Area 1: 281.1
Noise: 0.2

Peak table for sample 6 : 1969_CondPCR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	161	19.92	187.4	
3	466	457.68	1,489.0	
4	573	257.48	680.7	
5	697	81.46	177.2	
6	2,564	15.87	9.4	
7	3,384	17.82	8.0	
8	10,380	75.00	10.9	

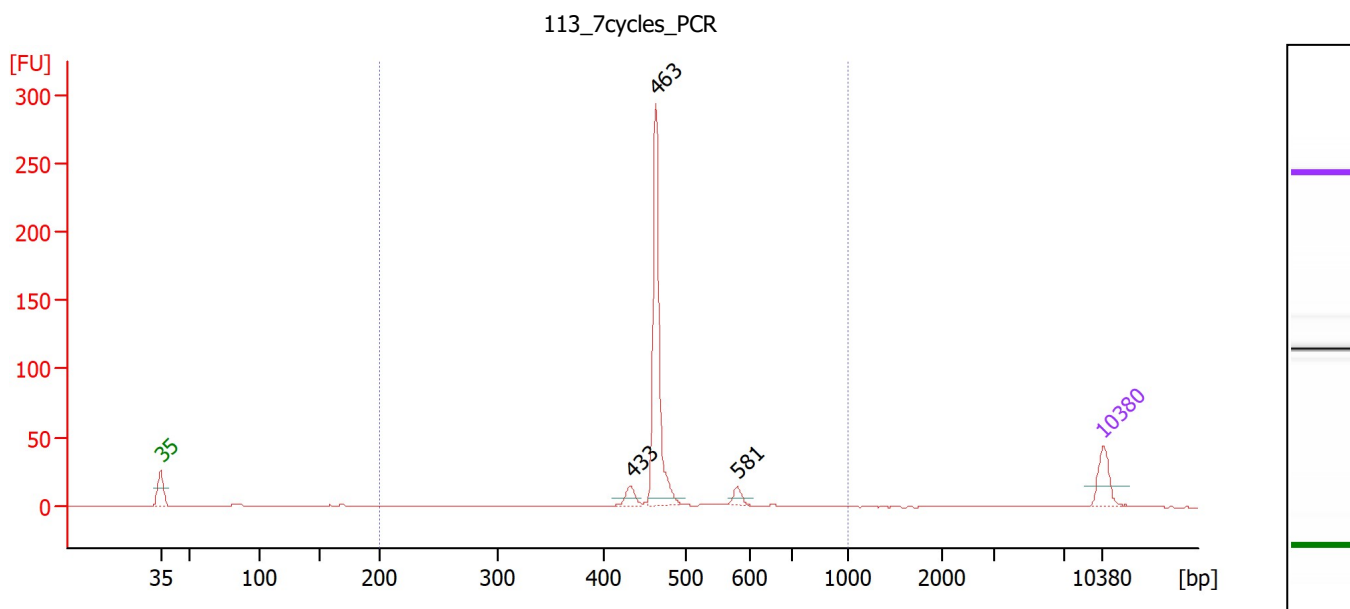
Region table for sample 6 : 1969_CondPCR

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	281.1	84	536	16.3	895.52	2,619.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-31_002.xad

Created: 3/31/2025 5:04:34 PM
Modified: 3/31/2025 5:53:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 113_7cycles_PCR

Number of peaks found: 3 Corr. Area 1: 234.8
Noise: 0.2

Peak table for sample 7 : 113_7cycles_PCR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	433	40.88	143.1	
3	463	561.22	1,838.5	
4	581	29.51	77.0	
5	10,380	75.00	10.9	Upper Marker

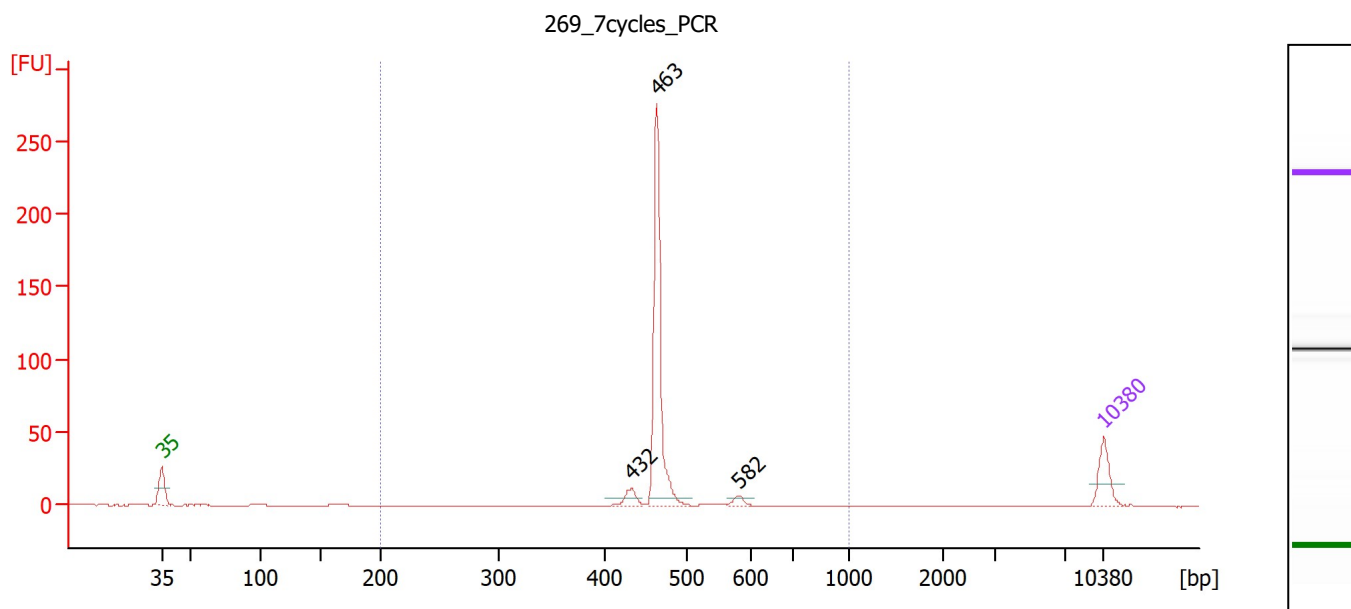
Region table for sample 7 : 113_7cycles_PCR

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	234.8	94	473	8.4	677.63	2,187.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-31_002.xad

Created: 3/31/2025 5:04:34 PM
 Modified: 3/31/2025 5:53:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 269_7cycles_PCR

Number of peaks found: 3 Corr. Area 1: 221.7
 Noise: 0.1

Peak table for sample 8 : 269_7cycles_PCR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	432	39.33	138.0	
3	463	544.85	1,784.3	
4	582	18.92	49.3	
5	10,380	75.00	10.9	Upper Marker

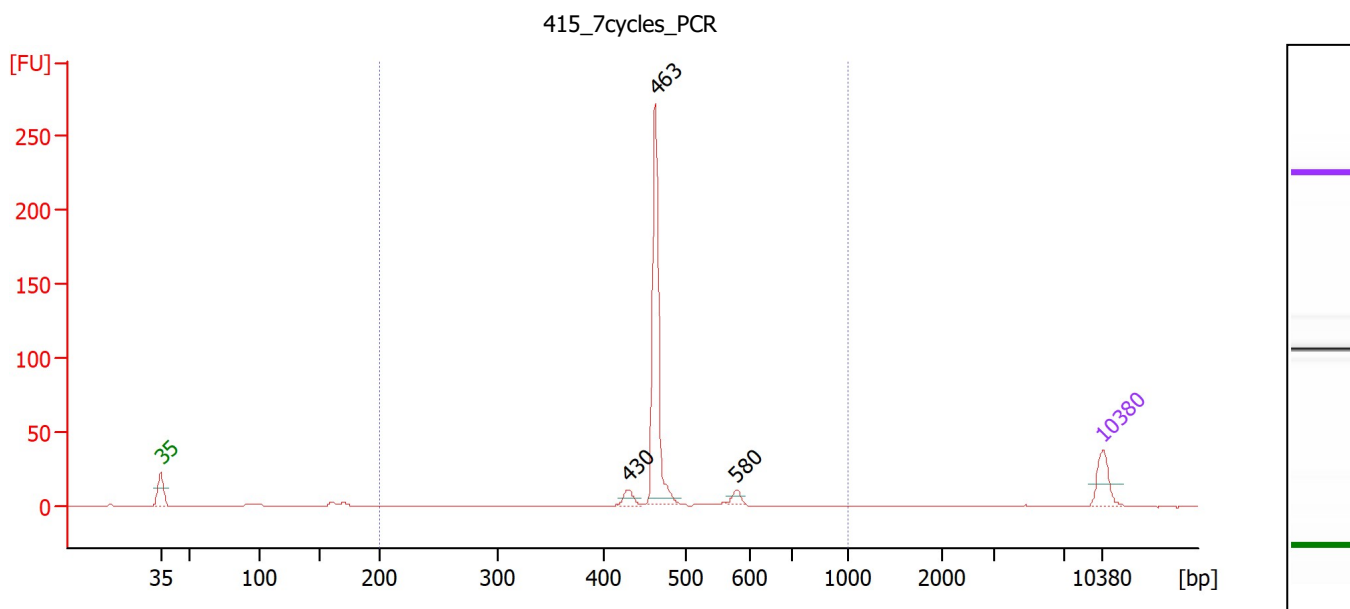
Region table for sample 8 : 269_7cycles_PCR

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	221.7	93	468	8.4	639.80	2,091.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-31_002.xad

Created: 3/31/2025 5:04:34 PM
 Modified: 3/31/2025 5:53:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 415_7cycles_PCR

Number of peaks found: 3 Corr. Area 1: 209.7
 Noise: 0.1

Peak table for sample 9 : 415_7cycles_PCR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	430	35.47	125.1	
3	463	567.67	1,858.4	
4	580	23.87	62.3	
5	10,380	75.00	10.9	Upper Marker

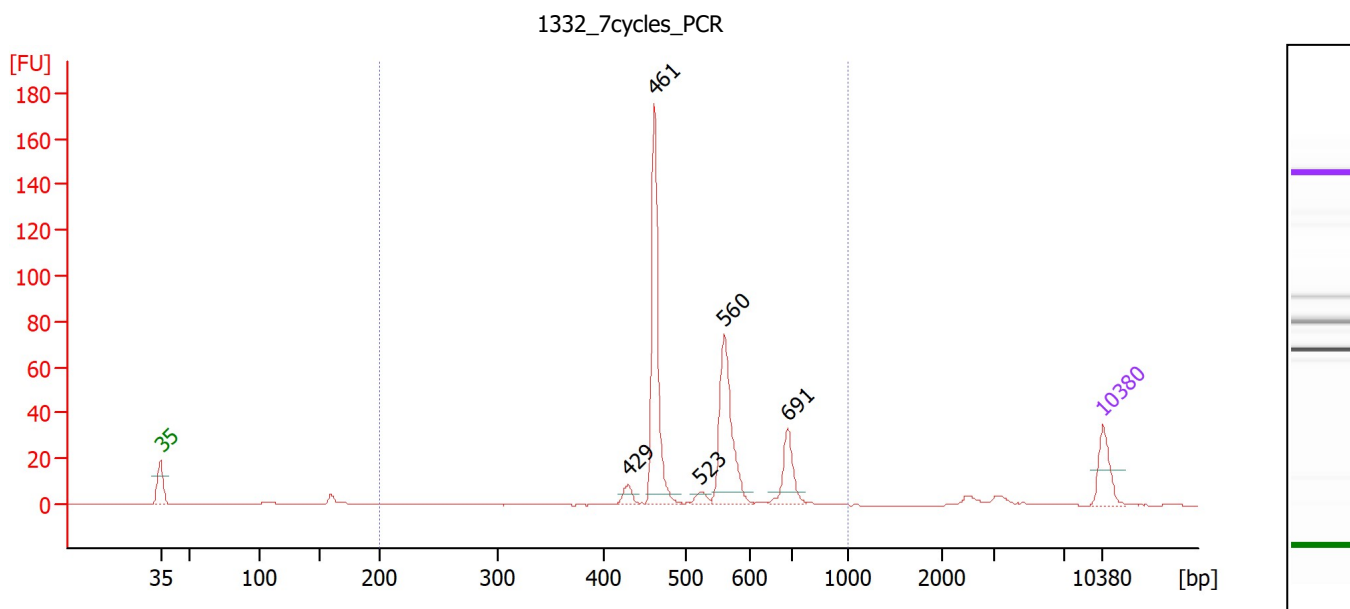
Region table for sample 9 : 415_7cycles_PCR

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	209.7	90	471	9.1	693.27	2,255.4	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-31_002.xad

Created: 3/31/2025 5:04:34 PM
Modified: 3/31/2025 5:53:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 1332_7cycles_PCR

Number of peaks found: 5 Corr. Area 1: 259.4
Noise: 0.1

Peak table for sample 10 : 1332_7cycles_PCR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	429	31.56	111.4	
3	461	436.26	1,432.5	
4	523	23.47	68.0	
5	560	309.23	836.6	
6	691	109.79	240.6	
7	10,380	75.00	10.9	Upper Marker

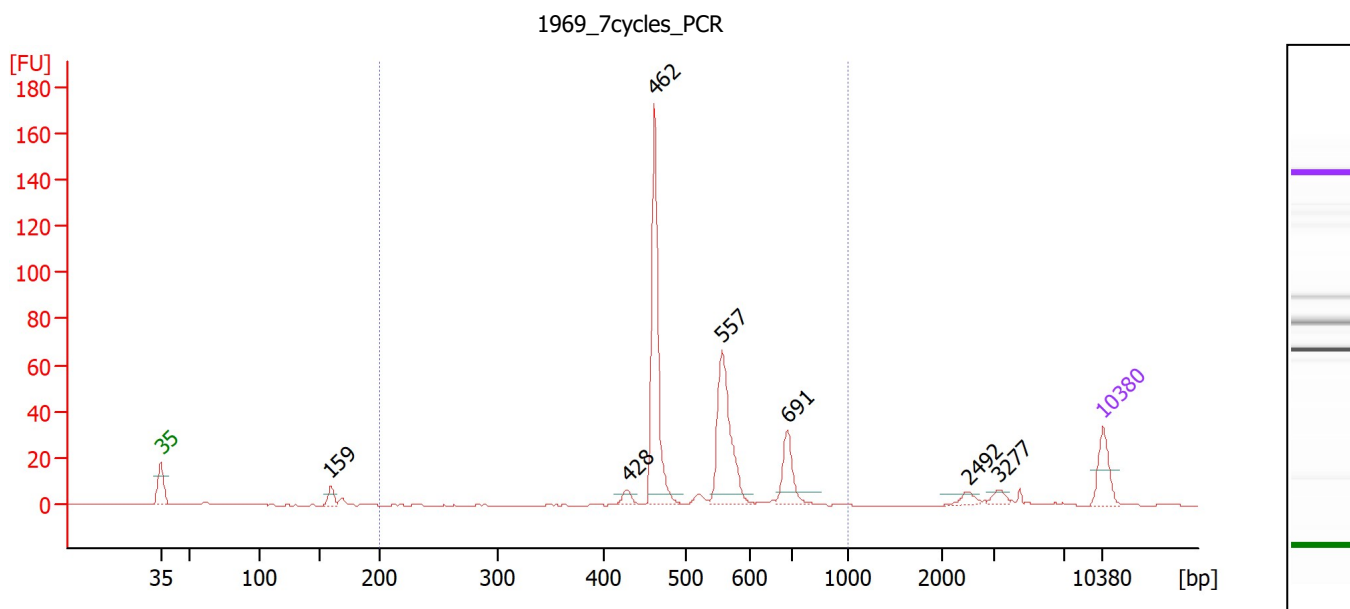
Region table for sample 10 : 1332_7cycles_PCR

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	259.4	88	534	17.4	972.92	2,877.5	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-31_002.xad

Created: 3/31/2025 5:04:34 PM
Modified: 3/31/2025 5:53:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 1969_7cycles_PCR

Number of peaks found: 7 Corr. Area 1: 246.6
Noise: 0.1

Peak table for sample 11 : 1969_7cycles_PCR

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	159	36.80	351.0	
3	428	25.29	89.5	
4	462	454.98	1,493.5	
5	557	318.24	866.2	
6	691	111.15	243.6	
7	2,492	21.33	13.0	
8	3,277	19.72	9.1	
9	10,380	75.00	10.9	Upper Marker

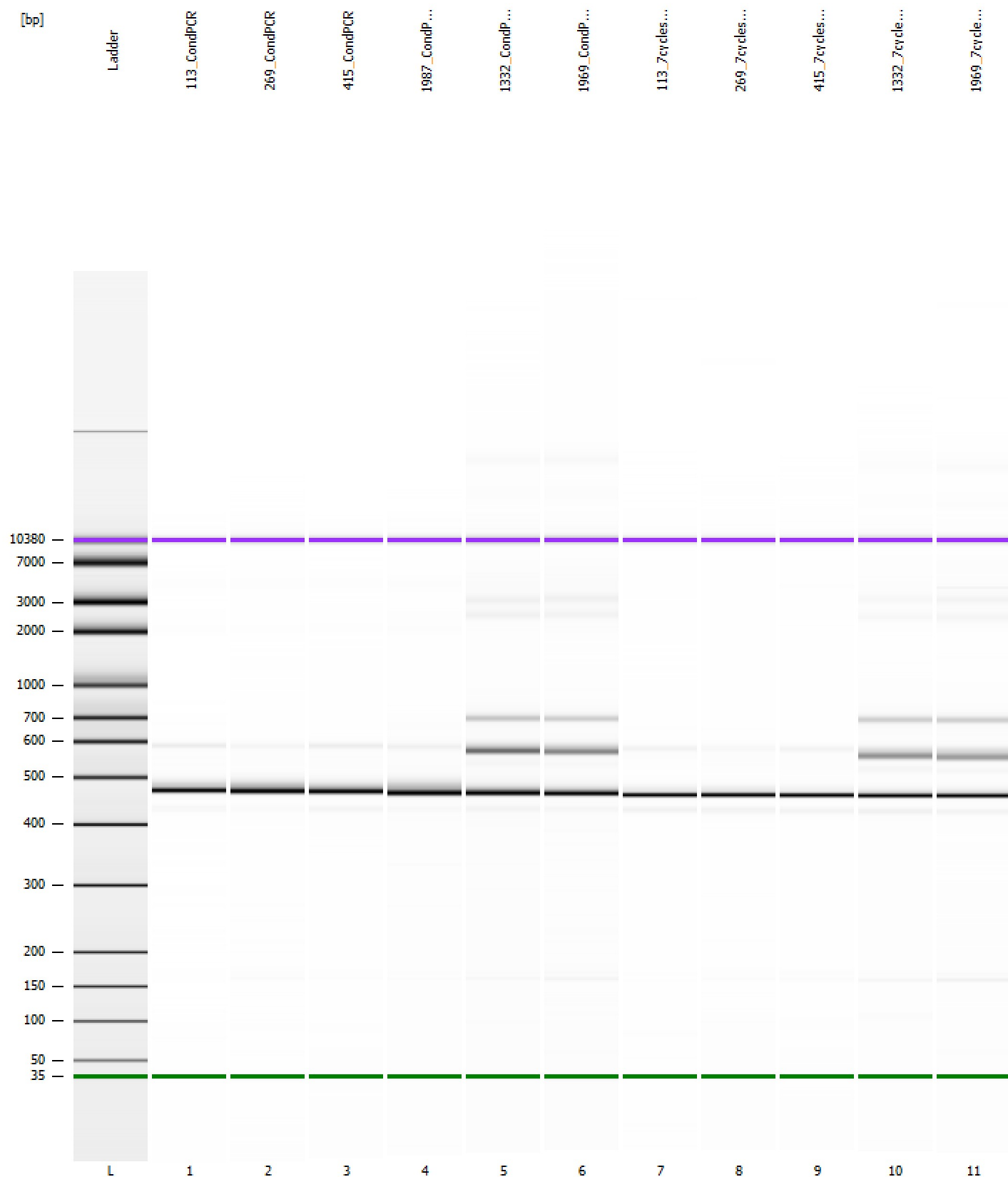
Region table for sample 11 : 1969_7cycles_PCR

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	246.6	85	534	16.6	974.81	2,858.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-31_002.xad

Created: 3/31/2025 5:04:34 PM
 Modified: 3/31/2025 5:53:53 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-03-31_002.xad

Created: 3/31/2025 5:04:34 PM
 Modified: 3/31/2025 5:53:53 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		3/31/2025 5:45:54 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\2025-03-31\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-03-31_002.xad)		Instrument	Run		3/31/2025 5:04:40 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		3/31/2025 5:04:40 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		3/31/2025 5:04:40 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		3/31/2025 5:04:40 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		3/31/2025 5:04:40 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		3/31/2025 5:04:40 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		3/31/2025 5:04:40 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB