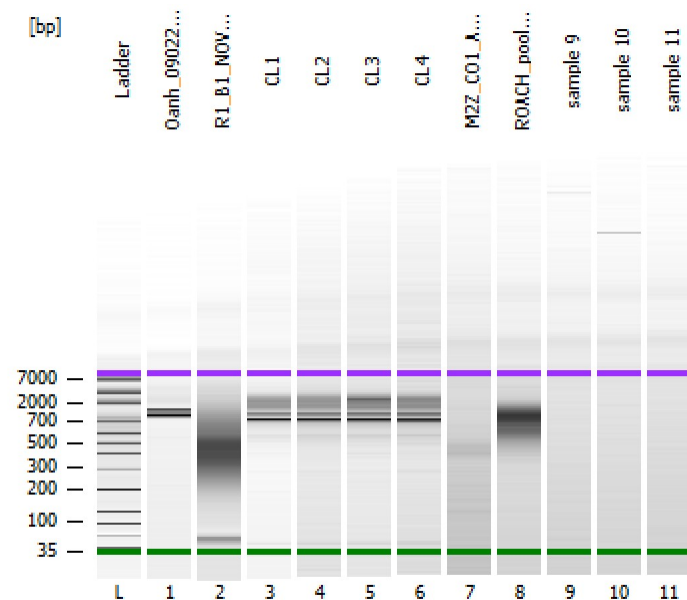


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-02_003.xad

Created: 9/2/2025 5:06:30 PM
Modified: 9/2/2025 6:07:22 PM

Electrophoresis File Run Summary



Instrument Information:

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

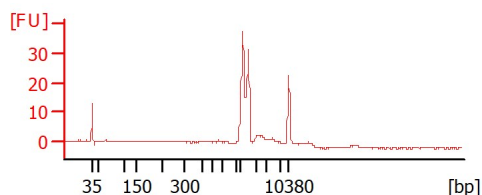
Assay Information:

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

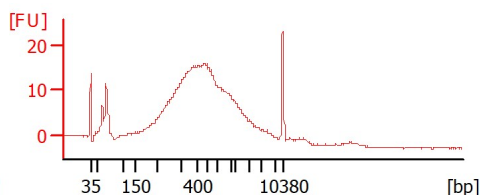
Chip Information:

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

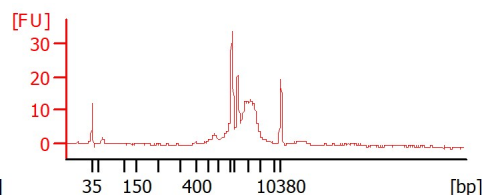
Oanh_09022025



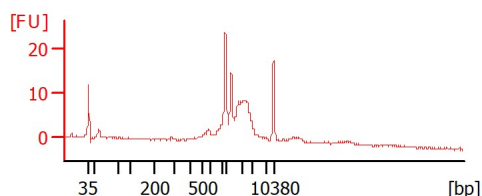
R1_B1_NOVA1391_1:5



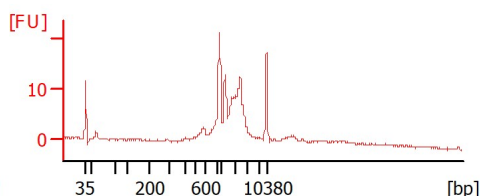
CL1



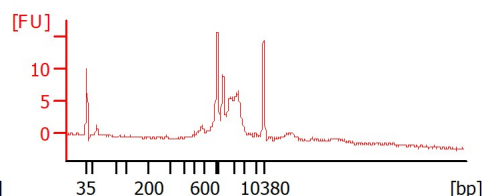
CL2



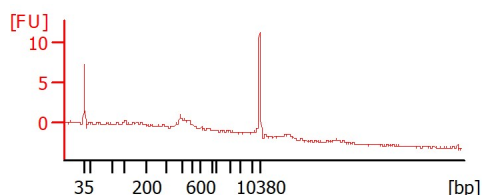
CL3



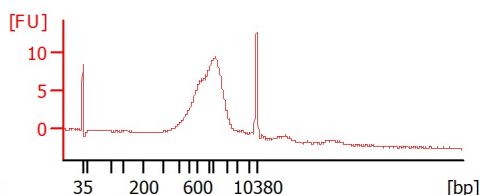
CL4



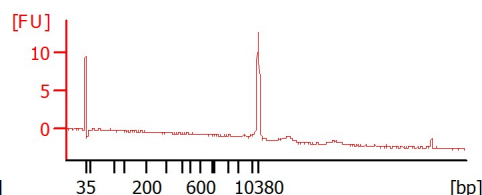
MZZ_CO1_AVI0404



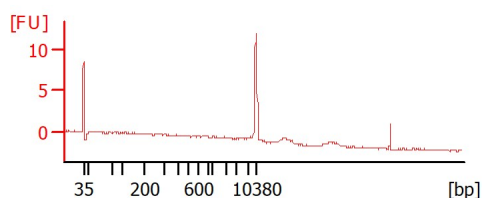
ROACH_pool_1:10



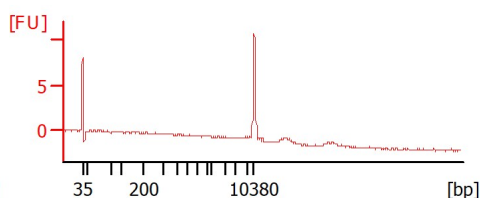
sample 9



sample 10



sample 11



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-02_003.xad

Created: 9/2/2025 5:06:30 PM
 Modified: 9/2/2025 6:07:22 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Oanh_09022025		☐	✓			
R1_B1_NOVA1391_1:5		☐	✓			
CL1		☐	✓			
CL2		☐	✓			
CL3		☐	✓			
CL4		☐	✓			
M2Z_CO1_AVI0404		☐	✓			
ROACH_pool_1:10		☐	✓			
sample 9		☐	✓			
sample 10		☐	✓			
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_2025-09-02_003.xad

Created: 9/2/2025 5:06:30 PM
Modified: 9/2/2025 6:07:22 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

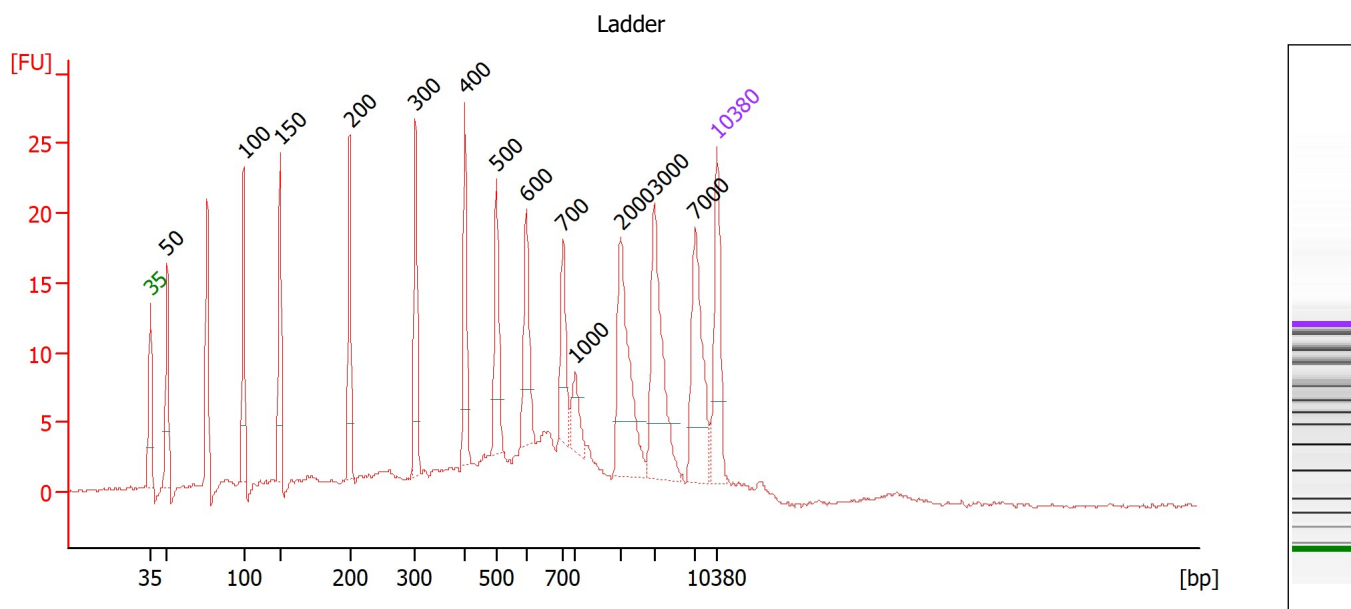
Ladder

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_2025-09-02_003.xad

Created: 9/2/2025 5:06:30 PM
 Modified: 9/2/2025 6:07:22 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

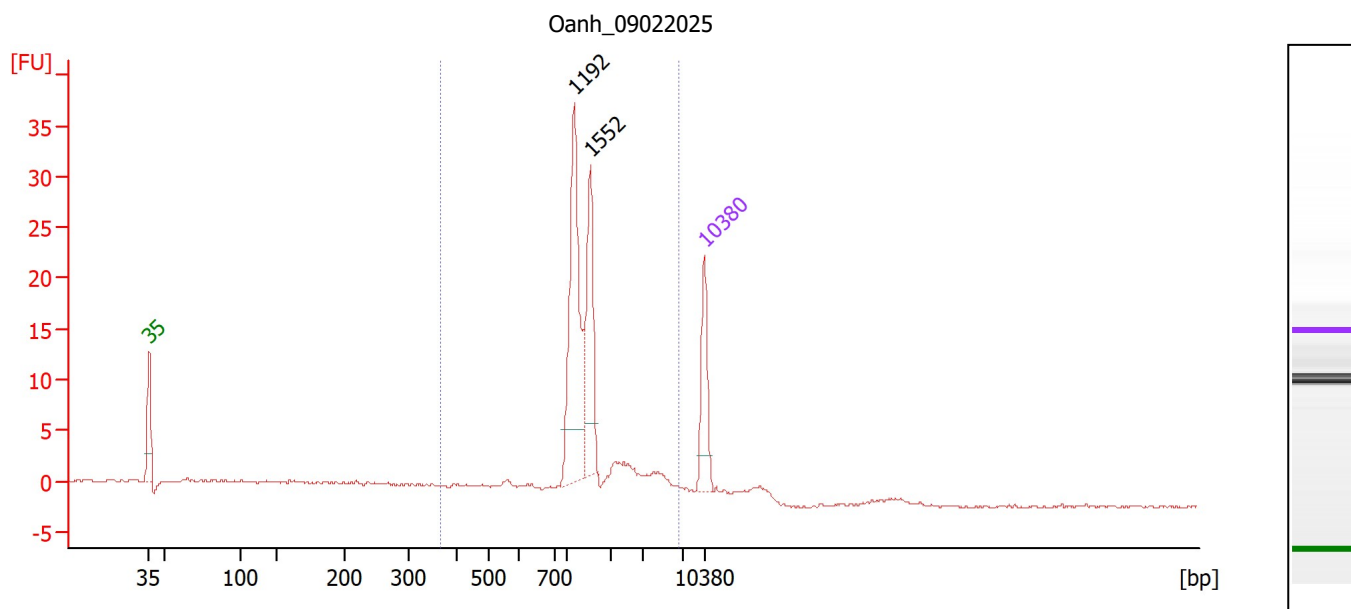
Peak table for Ladder

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_2025-09-02_003.xad

Created: 9/2/2025 5:06:30 PM
Modified: 9/2/2025 6:07:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Oanh_09022025

Number of peaks found: 2 Corr. Area 1: 107.2
Noise: 0.1

Peak table for sample 1 : Oanh_09022025

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	1,192	250.04	317.8	
3	1,552	137.66	134.4	
4	10,380	75.00	10.9	Upper Marker

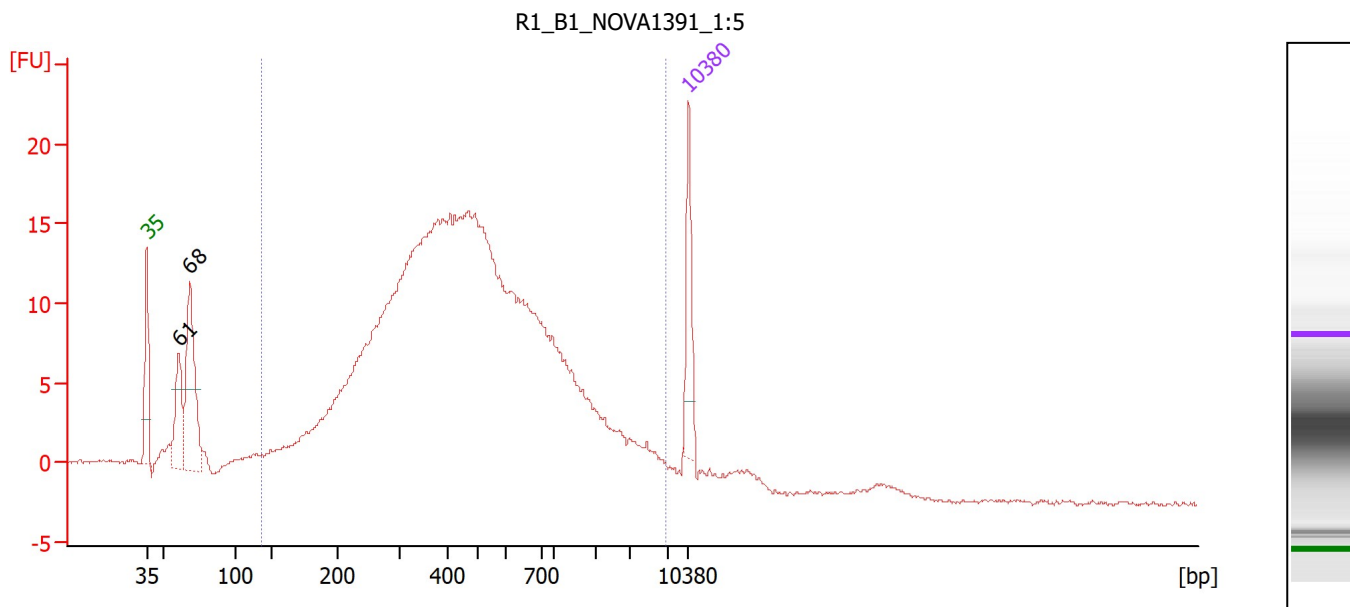
Region table for sample 1 : Oanh_09022025

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
365	6,616	107.2	84	1,594	57.1	538.88	641.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-02_003.xad

Created: 9/2/2025 5:06:30 PM
Modified: 9/2/2025 6:07:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : R1 B1 NOVA1391 1:5

Number of peaks found: 2 Corr. Area 1: 443.5
Noise: 0.1

Peak table for sample 2 : R1 B1 NOVA1391 1:5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	61	132.48	3,289.9	
3	68	269.67	5,984.8	
4	10,380	75.00	10.9	Upper Marker

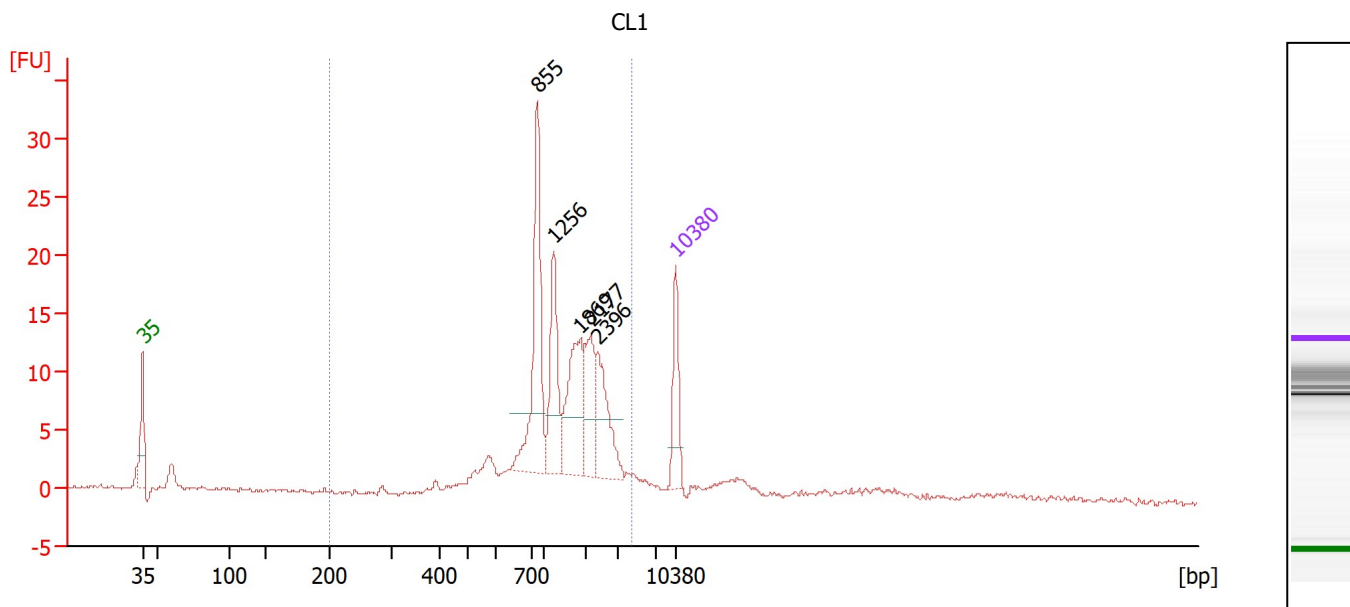
Region table for sample 2 : R1 B1 NOVA1391 1:5

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
138	6,722	443.5	89	684	100.0	3,331.87	13,714.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-02_003.xad

Created: 9/2/2025 5:06:30 PM
Modified: 9/2/2025 6:07:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : CL1

Number of peaks found: 5 Corr. Area 1: 155.3
Noise: 0.2

Peak table for sample 3 : CL1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	855	254.20	450.5	
3	1,256	133.81	161.4	
4	1,869	146.91	119.1	
5	2,177	86.65	60.3	
6	2,396	108.13	68.4	
7	10,380	75.00	10.9	Upper Marker

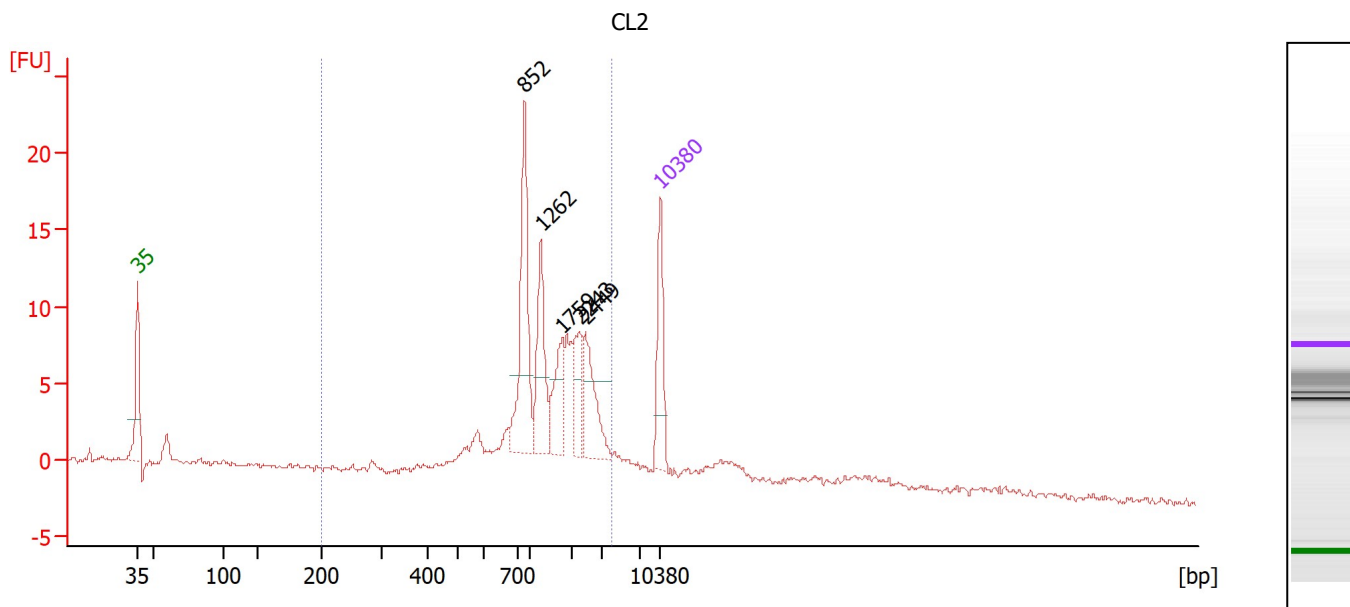
Region table for sample 3 : CL1

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	4,624	155.3	82	1,520	51.0	1,051.15	1,482.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-02_003.xad

Created: 9/2/2025 5:06:30 PM
 Modified: 9/2/2025 6:07:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : CL2

Number of peaks found: 5 Corr. Area 1: 124.6
 Noise: 0.2

Peak table for sample 4 : CL2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	852	185.06	329.0	
3	1,262	98.79	118.6	
4	1,759	65.50	56.4	
5	2,243	54.73	37.0	
6	2,449	76.43	47.3	
7	10,380	75.00	10.9	Upper Marker

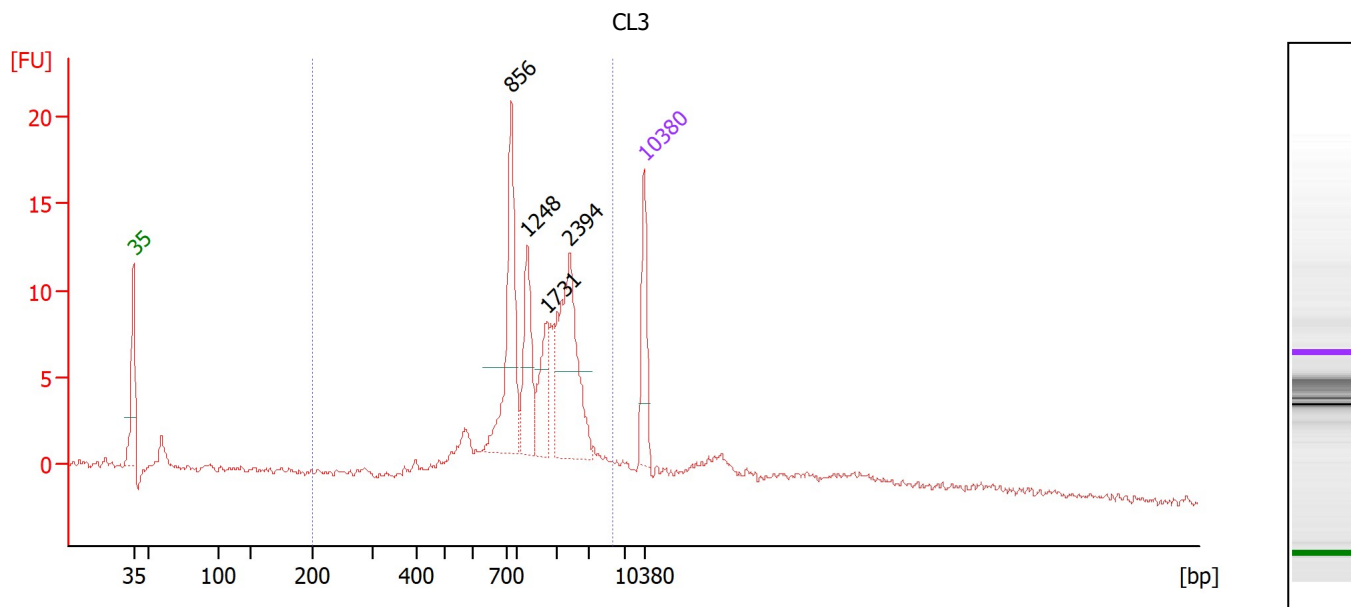
Region table for sample 4 : CL2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	3,977	124.6	72	1,443	53.9	872.21	1,454.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-02_003.xad

Created: 9/2/2025 5:06:30 PM
Modified: 9/2/2025 6:07:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : CL3

Number of peaks found: 4 Corr. Area 1: 118.4
Noise: 0.2

Peak table for sample 5 : CL3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	856	202.25	357.9	
3	1,248	101.02	122.6	
4	1,731	63.28	55.4	
5	2,394	201.76	127.7	
6	10,380	75.00	10.9	Upper Marker

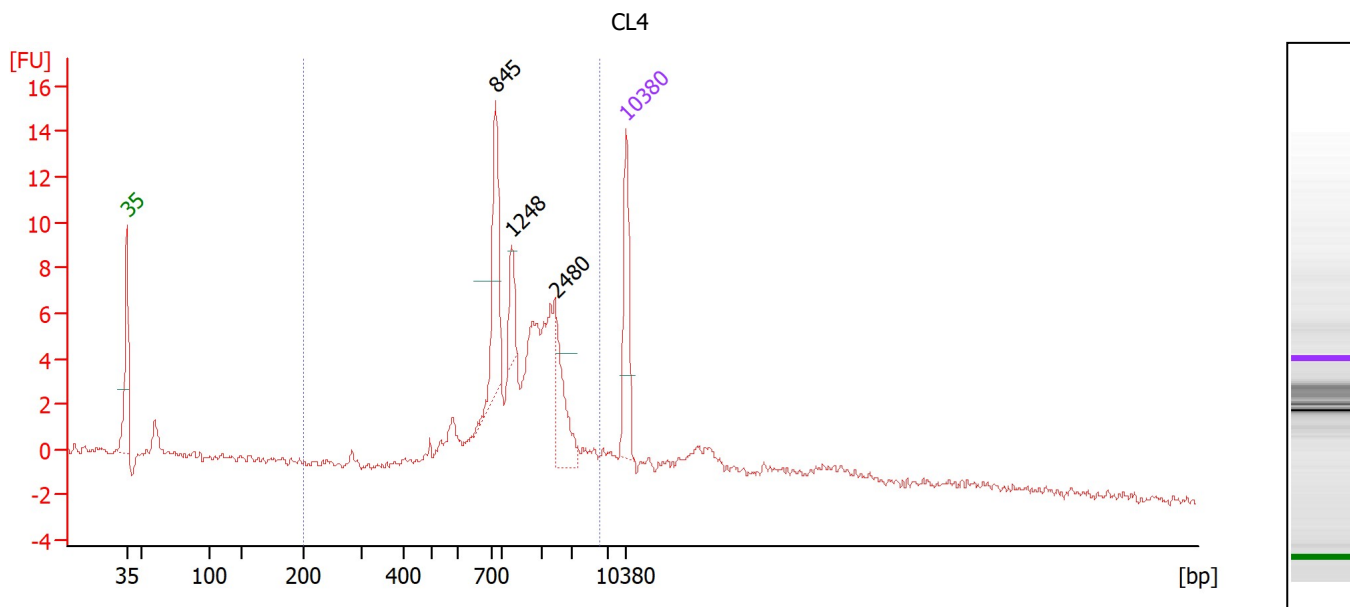
Region table for sample 5 : CL3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	5,725	118.4	78	1,601	55.9	879.02	1,232.4	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-02_003.xad

Created: 9/2/2025 5:06:30 PM
Modified: 9/2/2025 6:07:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : CL4

Number of peaks found: 3 Corr. Area 1: 83.4
Noise: 0.2

Peak table for sample 6 : CL4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	845	117.11	209.9	
3	1,248	32.87	39.9	
4	2,480	58.43	35.7	
5	10,380	75.00	10.9	Upper Marker

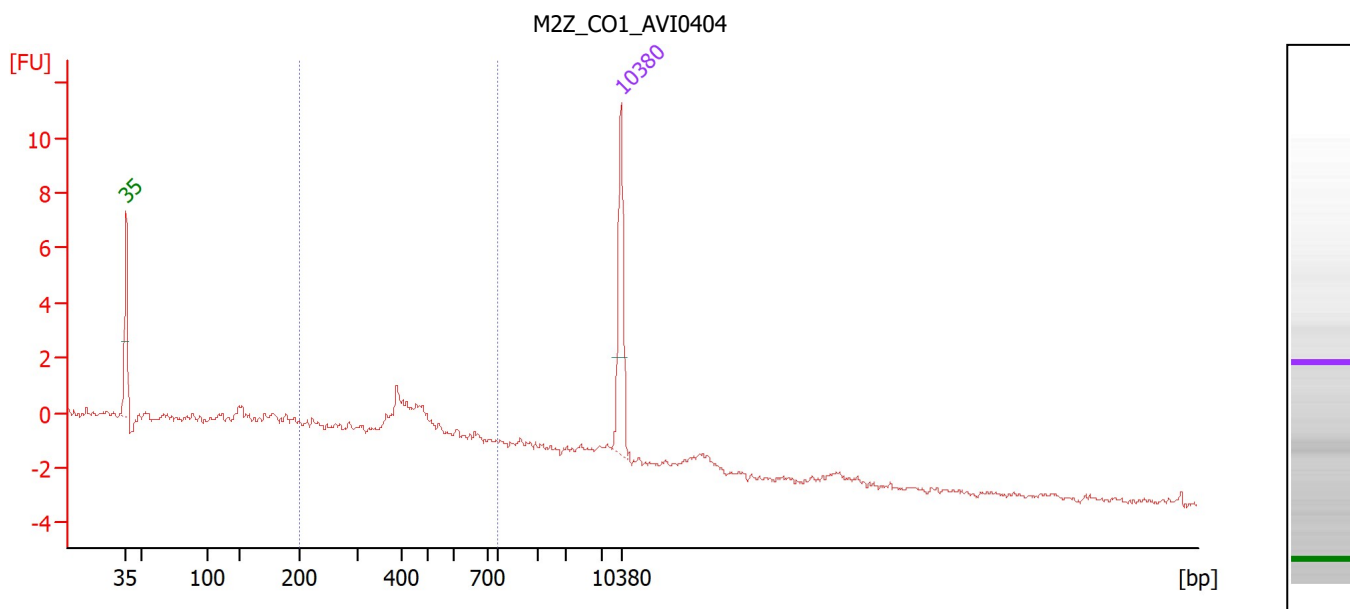
Region table for sample 6 : CL4

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	6,235	83.4	76	1,587	60.4	690.23	977.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-02_003.xad

Created: 9/2/2025 5:06:30 PM
 Modified: 9/2/2025 6:07:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : M2Z_CO1_AVI0404

Number of peaks found: 0 Corr. Area 1: 17.0
 Noise: 0.1

Peak table for sample 7 : M2Z_CO1_AVI0404

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

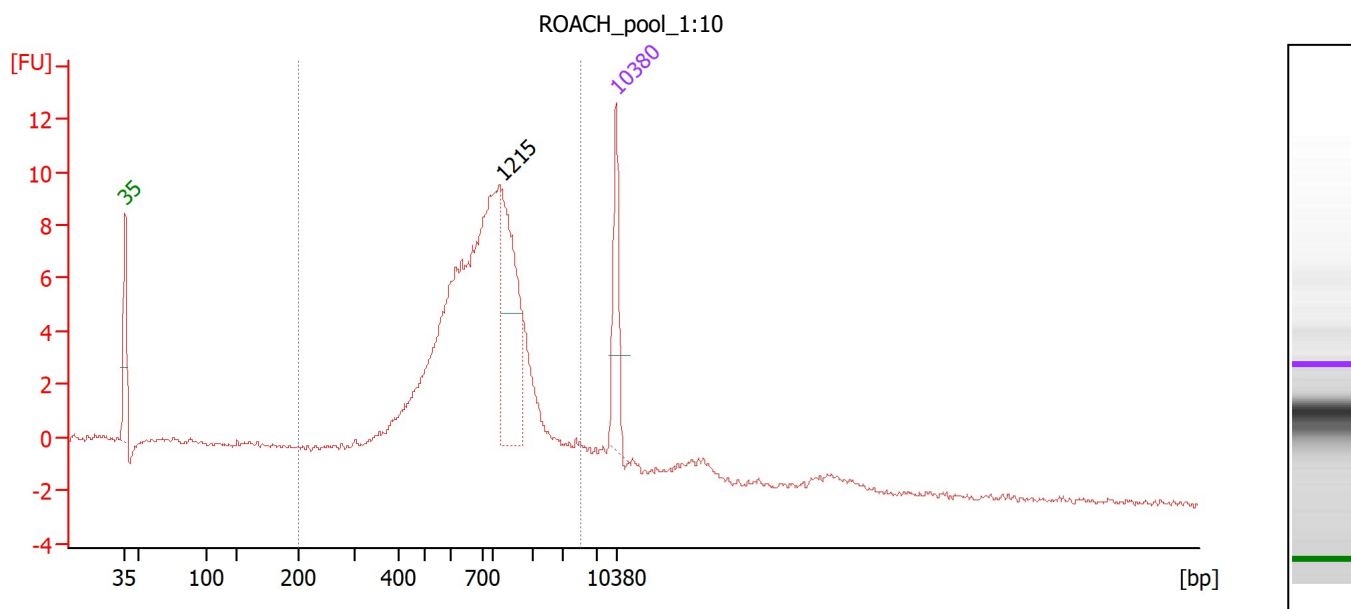
Region table for sample 7 : M2Z_CO1_AVI0404

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	17.0	52	435	31.6	217.01	871.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-02_003.xad

Created: 9/2/2025 5:06:30 PM
 Modified: 9/2/2025 6:07:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : ROACH_pool_1:10

Number of peaks found: 1 Corr. Area 1: 125.2
 Noise: 0.1

Peak table for sample 8 : ROACH_pool_1:10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	1,215	180.98	225.8	
3	10,380	75.00	10.9	Upper Marker

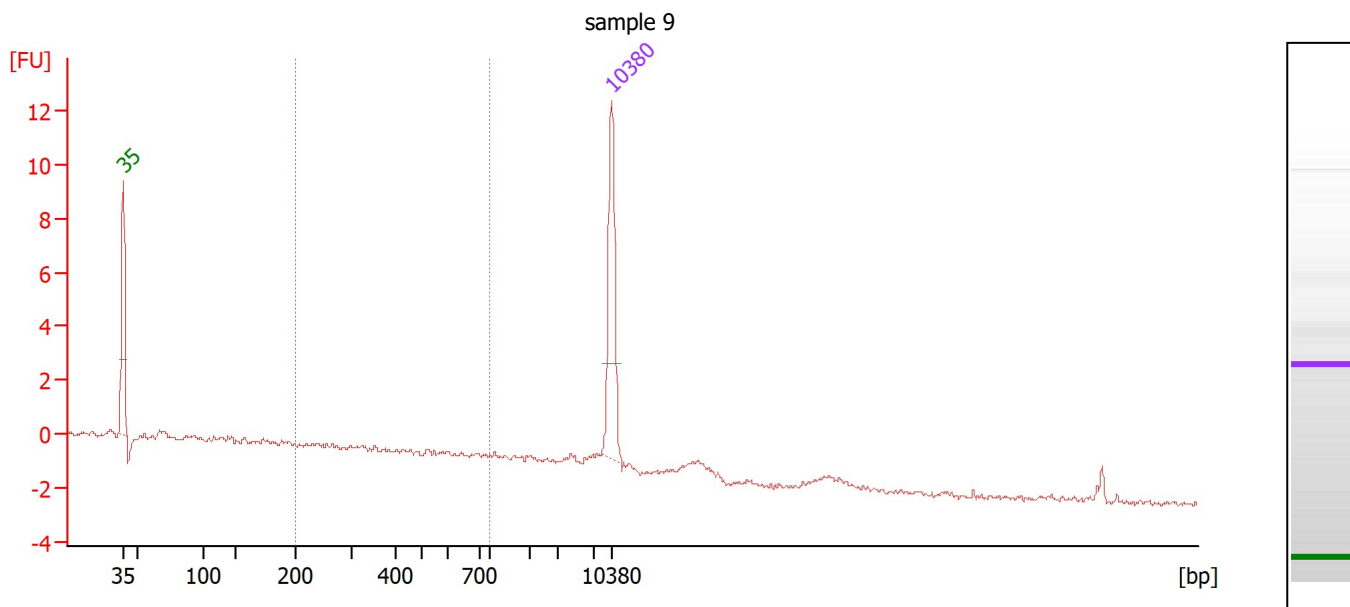
Region table for sample 8 : ROACH_pool_1:10

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	5,112	125.2	94	1,015	65.0	1,193.18	2,548.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-02_003.xad

Created: 9/2/2025 5:06:30 PM
 Modified: 9/2/2025 6:07:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : sample 9

Number of peaks found: 0 Corr. Area 1: 4.2
 Noise: 0.1

Peak table for sample 9 : sample 9

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

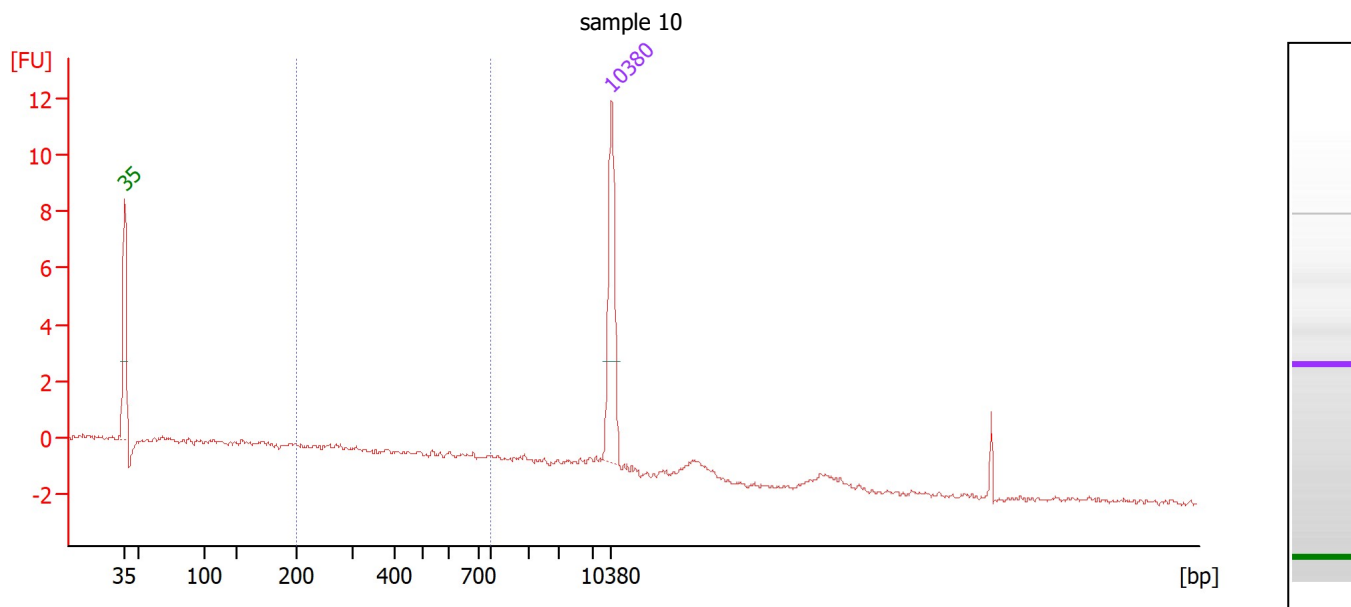
Region table for sample 9 : sample 9

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	4.2	30	443	40.4	39.58	168.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-02_003.xad

Created: 9/2/2025 5:06:30 PM
 Modified: 9/2/2025 6:07:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : sample 10

Number of peaks found: 0 Corr. Area 1: 4.5
 Noise: 0.1

Peak table for sample 10 : sample 10

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

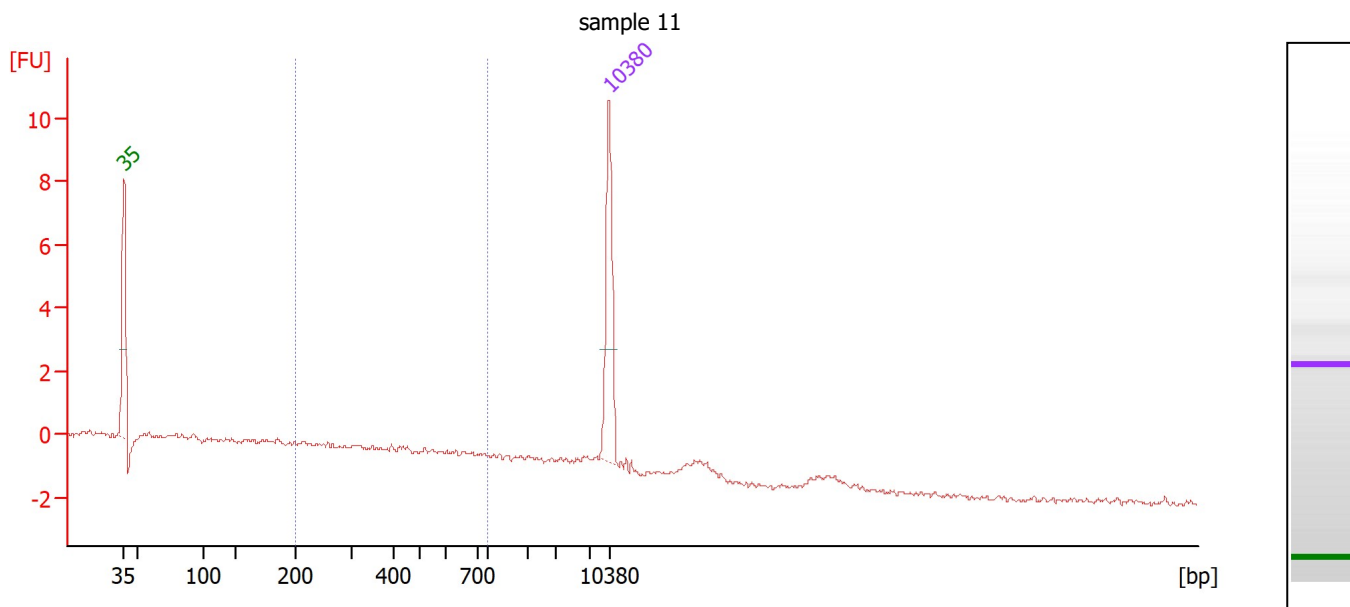
Region table for sample 10 : sample 10

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	4.5	34	427	42.0	46.14	204.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-02_003.xad

Created: 9/2/2025 5:06:30 PM
 Modified: 9/2/2025 6:07:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

Number of peaks found: 0 Corr. Area 1: 3.3
 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

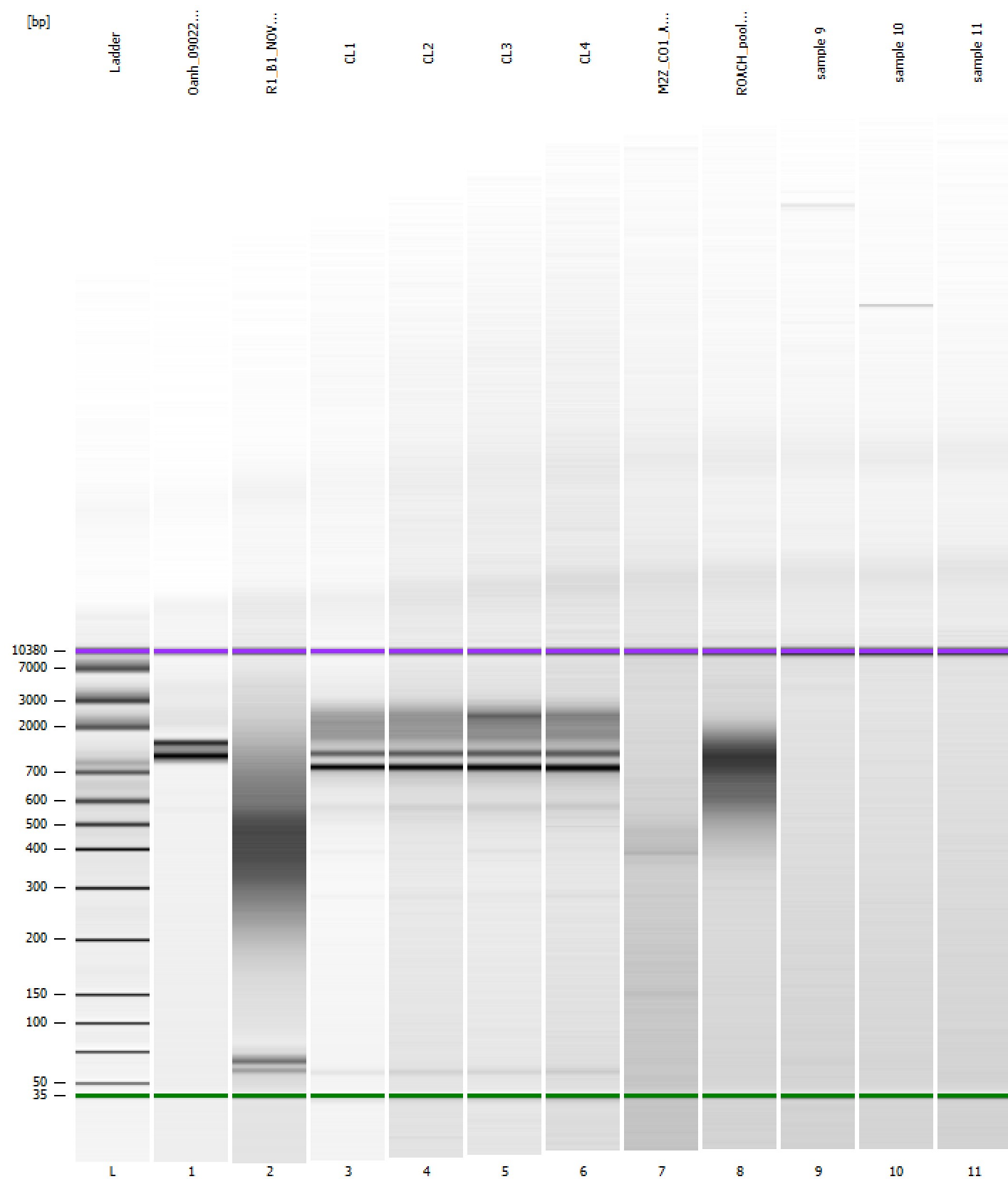
Region table for sample 11 : sample 11

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	3.3	37	432	40.0	38.53	167.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-02_003.xad

Created: 9/2/2025 5:06:30 PM
 Modified: 9/2/2025 6:07:22 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-09-02_003.xad
 Created: 9/2/2025 5:06:30 PM
 Modified: 9/2/2025 6:07:22 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		9/2/2025 5:46:57 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\2025-09-02\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-09-02_003.xad)		Instrument	Run		9/2/2025 5:06:36 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		9/2/2025 5:06:36 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		9/2/2025 5:06:36 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/2/2025 5:06:36 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/2/2025 5:06:36 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/2/2025 5:06:36 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/2/2025 5:06:36 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB