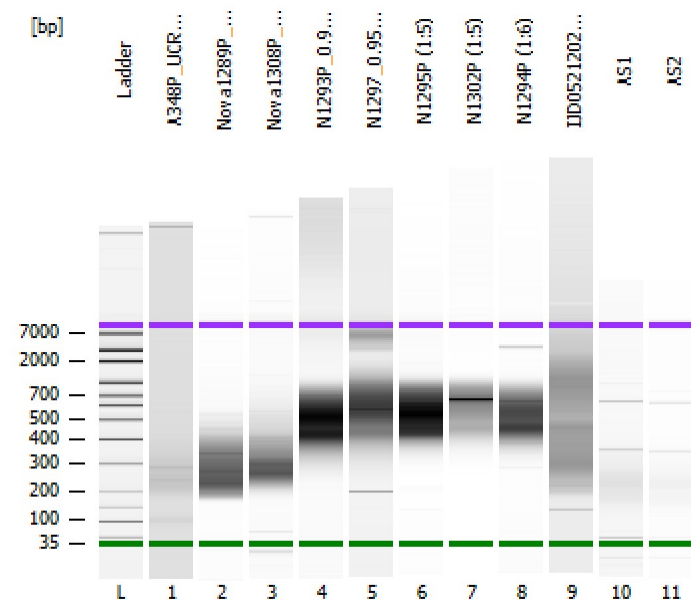


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 3:25:46 PM
Modified: 5/28/2025 4:41:38 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

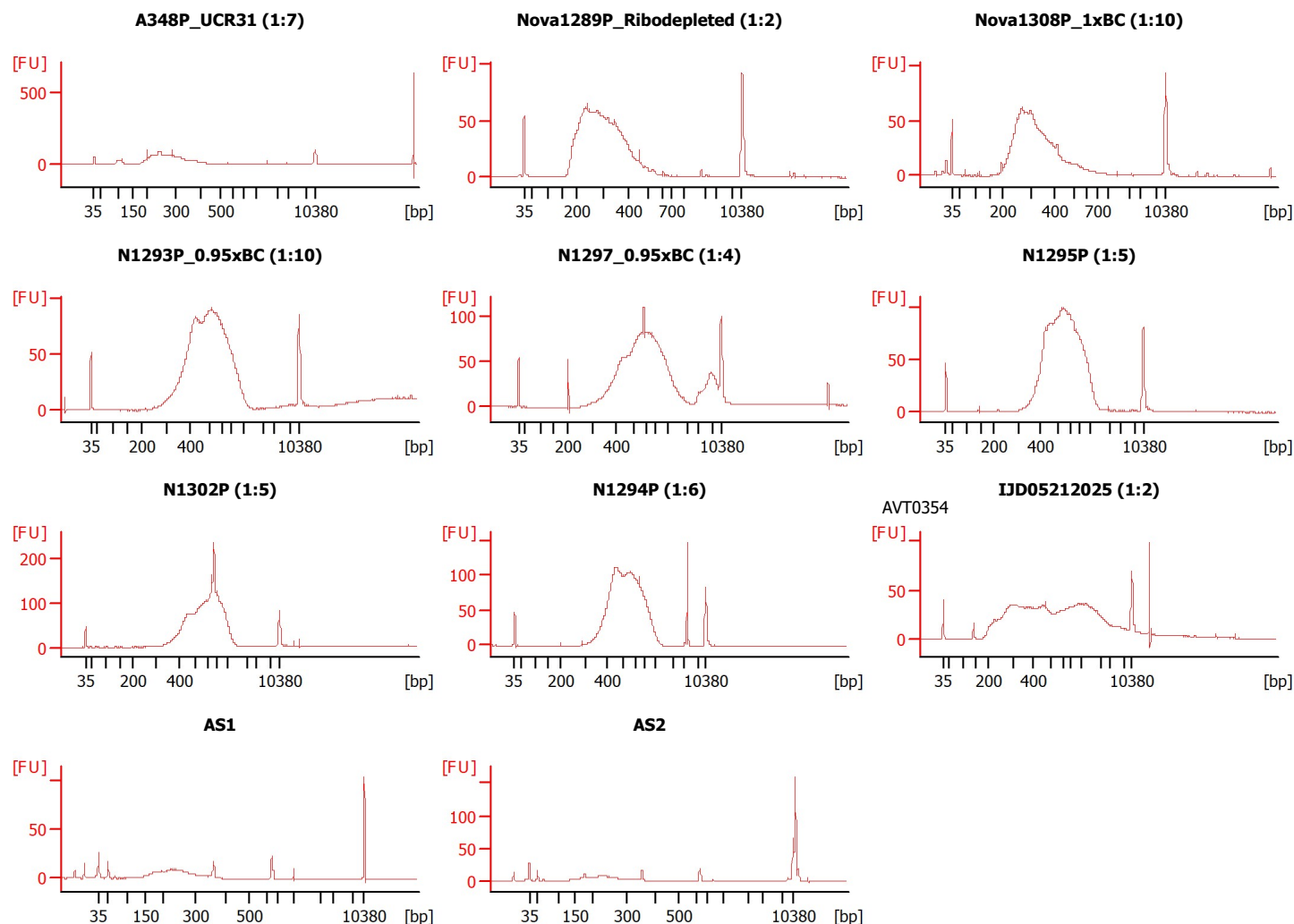
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 3:25:46 PM
Modified: 5/28/2025 4:41:38 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
A348P_UCR31 (1:7)		☐	✓			
Nova1289P_Ribodepleted (1:2)		☐	✓			
Nova1308P_1xBC (1:10)		☐	✓			
N1293P_0.95xBC (1:10)		☐	✓			
N1297_0.95xBC (1:4)		☐	✓			
N1295P (1:5)		☐	✓			
N1302P (1:5)		☐	✓			
N1294P (1:6)		☐	✓			
IJD05212025 (1:2)	AVT0354	☐	✓			
AS1		☐	✓			
AS2		☐	✓			
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 3:25:46 PM
 Modified: 5/28/2025 4:41:38 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

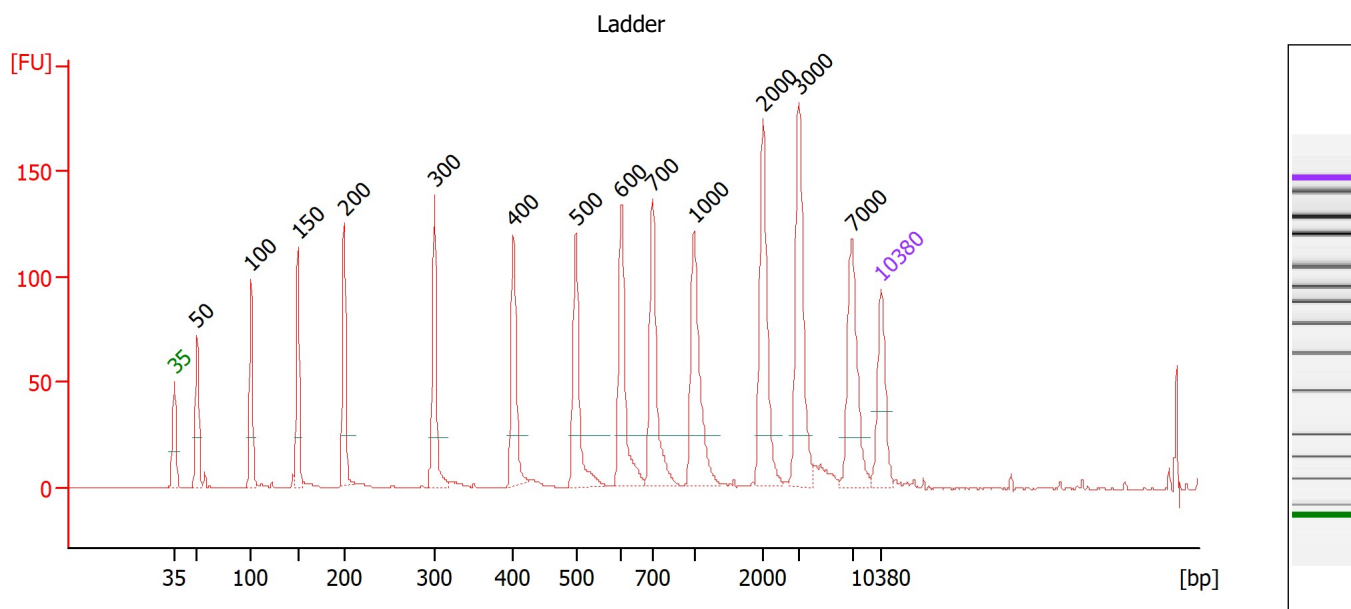
Ladder

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_2025-05-28_001.xad

Created: 5/28/2025 3:25:46 PM
Modified: 5/28/2025 4:41:38 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

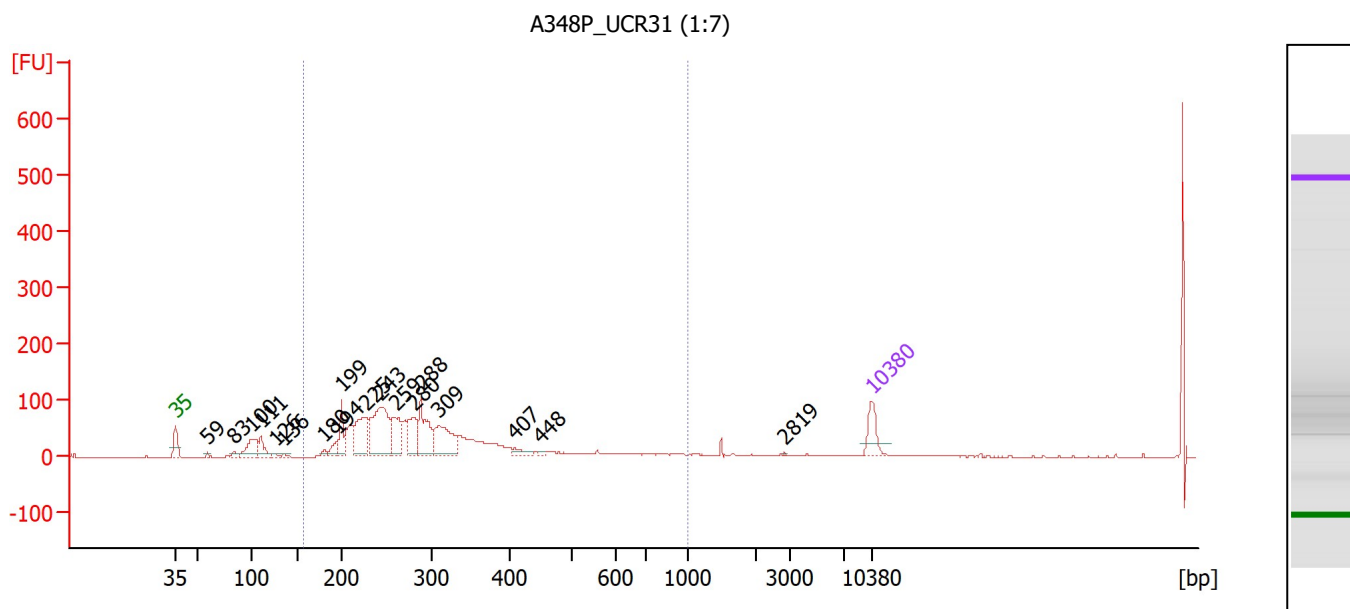
Peak table for Ladder

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_2025-05-28_001.xad

Created: 5/28/2025 3:25:46 PM
Modified: 5/28/2025 4:41:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : A348P UCR31 (1:7)

Number of peaks found: 18 Corr. Area 1: 1,554.5
Noise: 0.2

Peak table for sample 1 : A348P UCR31 (1:7)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	59	9.30	239.5	
3	83	22.51	409.1	
4	100	143.77	2,167.6	
5	111	75.77	1,034.6	
6	126	10.22	122.7	
7	136	7.59	84.6	
8	180	17.84	150.0	
9	194	53.96	422.2	
10	199	99.66	759.3	
11	225	232.85	1,566.5	
12	243	387.27	2,418.6	
13	259	164.62	963.8	
14	280	140.24	757.9	
15	288	205.71	1,081.6	
16	309	204.58	1,003.1	
17	407	27.91	103.9	
18	448	7.24	24.5	
19	2,819	1.69	0.9	
20	10,380	75.00	10.9	Upper Marker

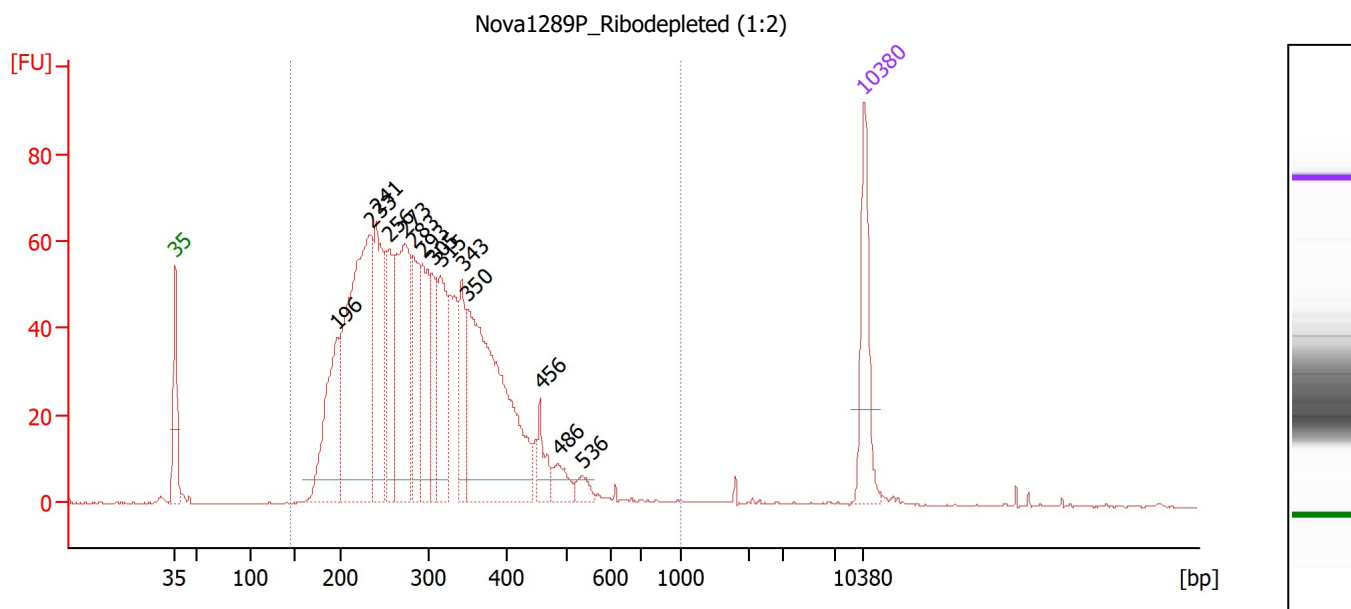
Region table for sample 1 : A348P UCR31 (1:7)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
157	1,000	1,554.5	80	310	38.9	2,244.58	12,438.5	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 3:25:46 PM
Modified: 5/28/2025 4:41:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Nova1289P Ribodepleted (1:2)

Number of peaks found: 14 Corr. Area 1: 1,453.5
Noise: 0.1

Peak table for sample 2 : Nova1289P Ribodepleted (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	196	178.12	1,374.0	
3	233	455.42	2,957.4	
4	241	170.98	1,076.7	
5	256	105.72	626.3	
6	273	232.38	1,287.9	
7	283	109.28	584.9	
8	293	109.26	565.4	
9	305	78.80	391.6	
10	315	114.28	549.3	
11	343	70.77	312.2	
12	350	379.23	1,640.1	
13	456	31.81	105.7	
14	486	24.97	77.9	
15	536	13.37	37.8	
16	10,380	75.00	10.9	Upper Marker

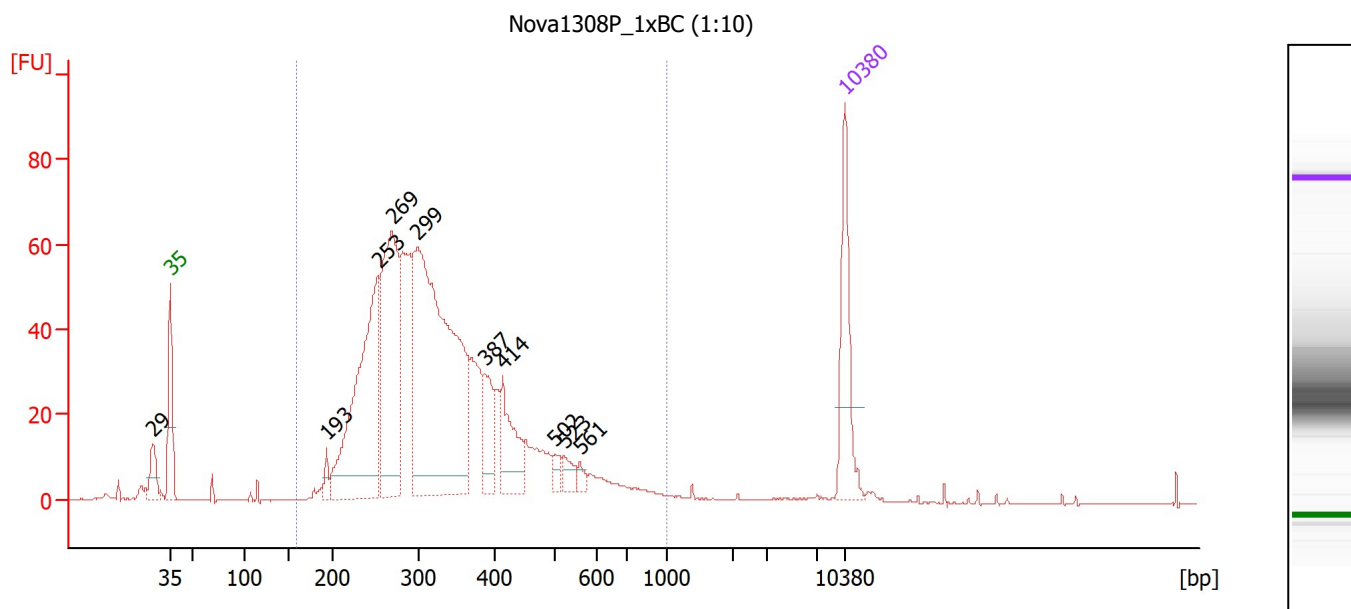
Region table for sample 2 : Nova1289P Ribodepleted (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
144	1,000	1,453.5	98	304	29.1	2,280.73	12,509.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 3:25:46 PM
Modified: 5/28/2025 4:41:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Nova1308P 1xBC (1:10)

Number of peaks found: 10 Corr. Area 1: 1,172.2
Noise: 0.1

Peak table for sample 3 : Nova1308P 1xBC (1:10)

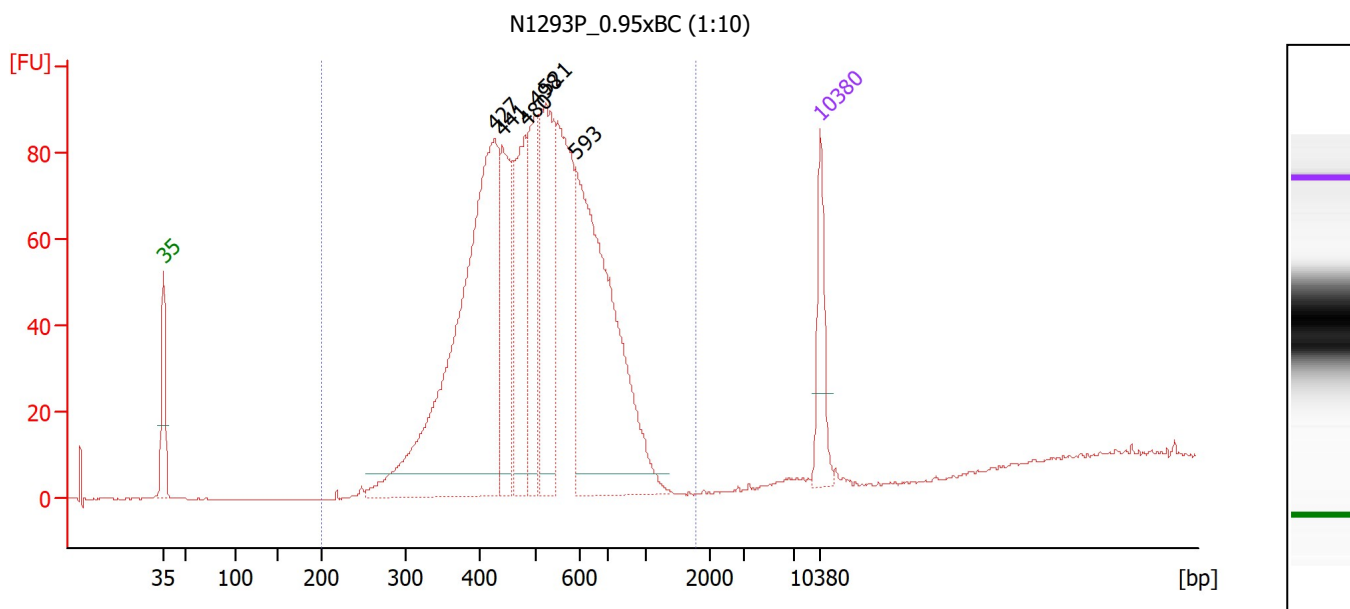
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	29	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	193	13.70	107.3	
4	253	320.75	1,922.8	
5	269	272.53	1,532.4	
6	299	559.81	2,840.9	
7	387	54.95	215.2	
8	414	71.84	263.1	
9	502	13.27	40.1	
10	523	16.50	47.8	
11	561	7.84	21.2	
12	10,380	75.00	10.9	Upper Marker

Region table for sample 3 : Nova1308P 1xBC (1:10)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
159	1,000	1,172.2	95	338	31.2	1,757.16	8,710.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 3:25:46 PM
 Modified: 5/28/2025 4:41:38 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : N1293P 0.95xBC (1:10)**

Number of peaks found: 6 Corr. Area 1: 1,572.2
 Noise: 0.1

Peak table for sample 4 : N1293P 0.95xBC (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	427	860.94	3,053.2	
3	441	201.92	693.7	
4	480	225.30	711.7	
5	498	184.32	560.8	
6	521	274.27	797.1	
7	593	574.50	1,466.8	
8	10,380	75.00	10.9	Upper Marker

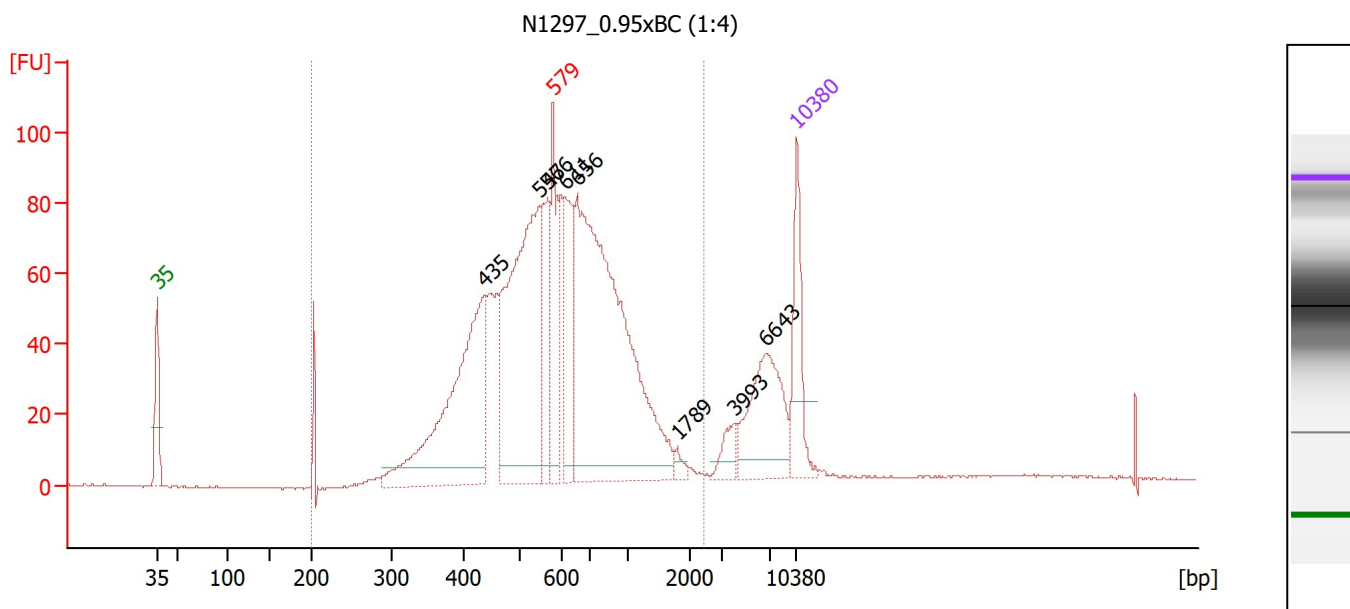
Region table for sample 4 : N1293P 0.95xBC (1:10)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,767	1,572.2	99	518	24.8	2,509.67	7,915.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 3:25:46 PM
 Modified: 5/28/2025 4:41:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : N1297 0.95xBC (1:4)

Number of peaks found: 8 Corr. Area 1: 1,609.5
 Noise: 0.2

Peak table for sample 5 : N1297 0.95xBC (1:4)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	435	370.47	1,290.6	
3	547	405.94	1,124.8	
4	566	97.47	260.8	
5	579	123.09	321.9	excluded peak
6	611	116.66	289.1	
7	656	614.73	1,419.3	
8	1,789	8.89	7.5	
9	3,993	23.28	8.8	
10	6,643	125.40	28.6	
11	10,380	75.00	10.9	Upper Marker

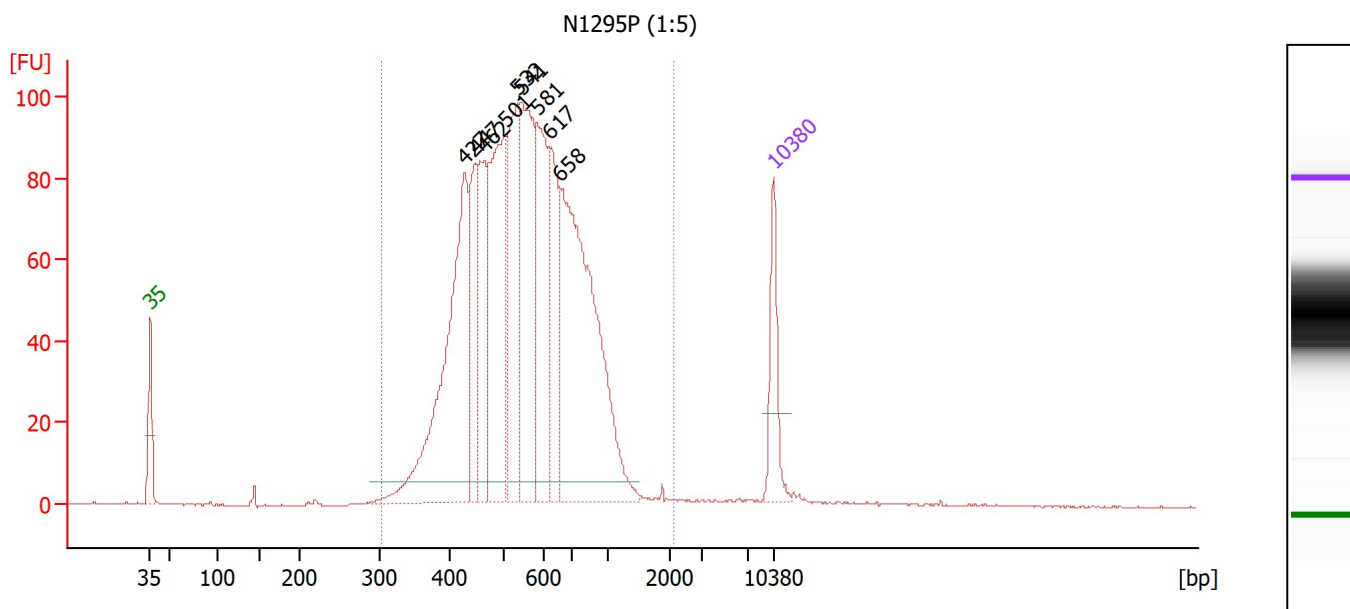
Region table for sample 5 : N1297 0.95xBC (1:4)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	2,412	1,609.5	89	650	44.2	1,927.46	5,408.5	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 3:25:46 PM
Modified: 5/28/2025 4:41:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : N1295P (1:5)

Number of peaks found: 9 Corr. Area 1: 1,715.0
Noise: 0.2

Peak table for sample 6 : N1295P (1:5)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	427	490.01	1,736.7	
3	447	164.16	556.6	
4	462	166.99	547.2	
5	501	346.05	1,045.6	
6	532	247.34	704.3	
7	541	298.58	835.6	
8	581	211.14	550.2	
9	617	165.08	405.2	
10	658	586.34	1,350.9	
11	10,380	75.00	10.9	Upper Marker

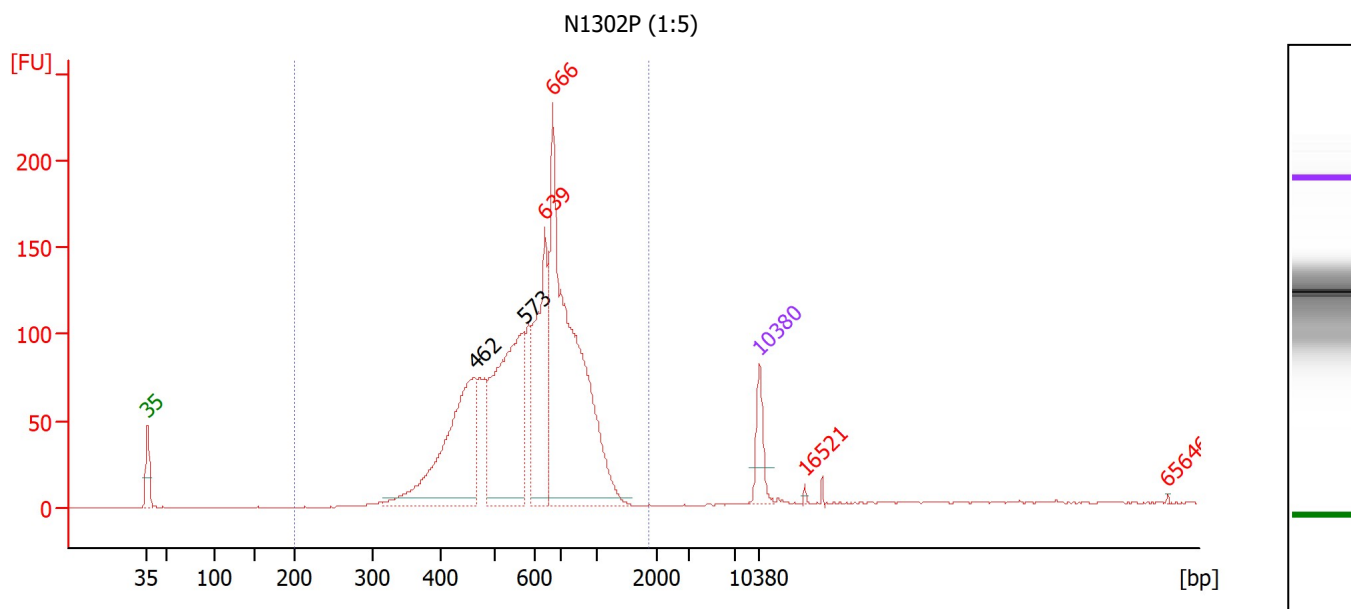
Region table for sample 6 : N1295P (1:5)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
304	2,144	1,715.0	98	585	32.0	2,755.75	7,858.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 3:25:46 PM
Modified: 5/28/2025 4:41:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : N1302P (1:5)

Number of peaks found: 2 Corr. Area 1: 1,922.9
Noise: 0.3

Peak table for sample 7 : N1302P (1:5)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	462	627.50	2,057.4	
3	573	636.07	1,682.6	
4	639	409.36	970.6	excluded peak
5	666	1,101.59	2,504.6	excluded peak
6	10,380	75.00	10.9	Upper Marker
7	16,521	0.00	0.0	excluded peak
8	65,646	0.00	0.0	excluded peak

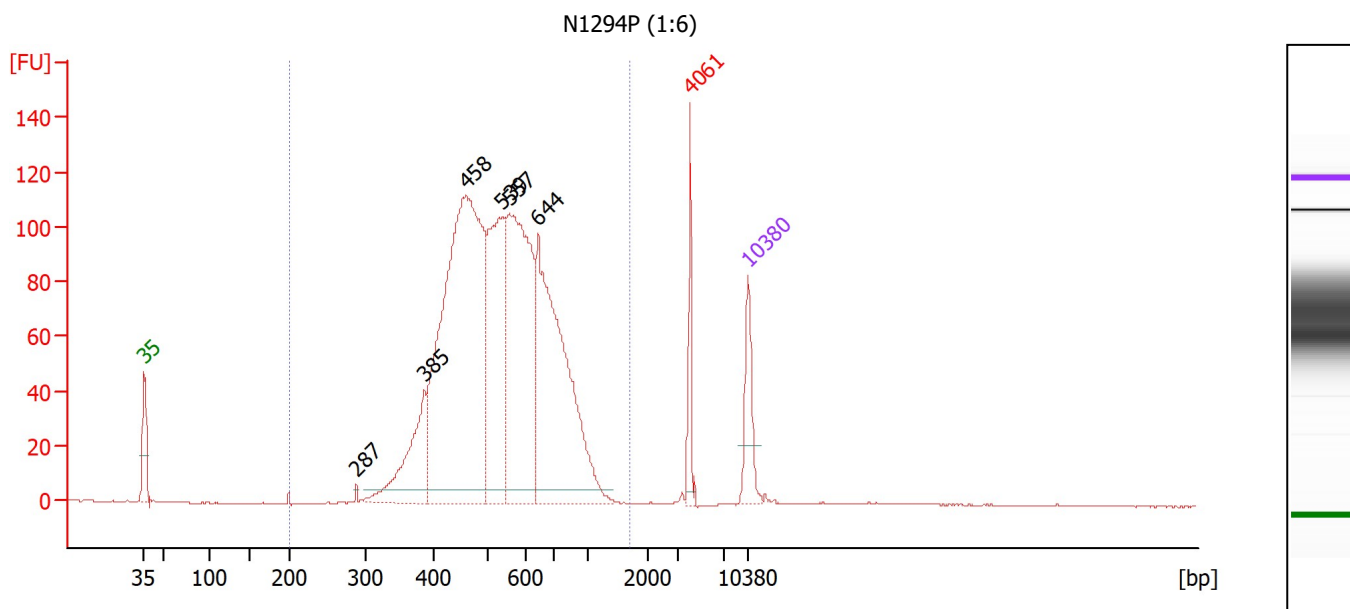
Region table for sample 7 : N1302P (1:5)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,849	1,922.9	98	625	28.3	3,073.54	8,179.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 3:25:46 PM
Modified: 5/28/2025 4:41:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : N1294P (1:6)

Number of peaks found: 6 Corr. Area 1: 1,863.5
Noise: 0.2

Peak table for sample 8 : N1294P (1:6)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	287	5.04	26.6	
3	385	206.15	810.9	
4	458	1,146.84	3,792.9	
5	539	394.13	1,108.6	
6	557	574.25	1,563.3	
7	644	608.08	1,429.6	
8	4,061	56.22	21.0	excluded peak
9	10,380	75.00	10.9	Upper Marker

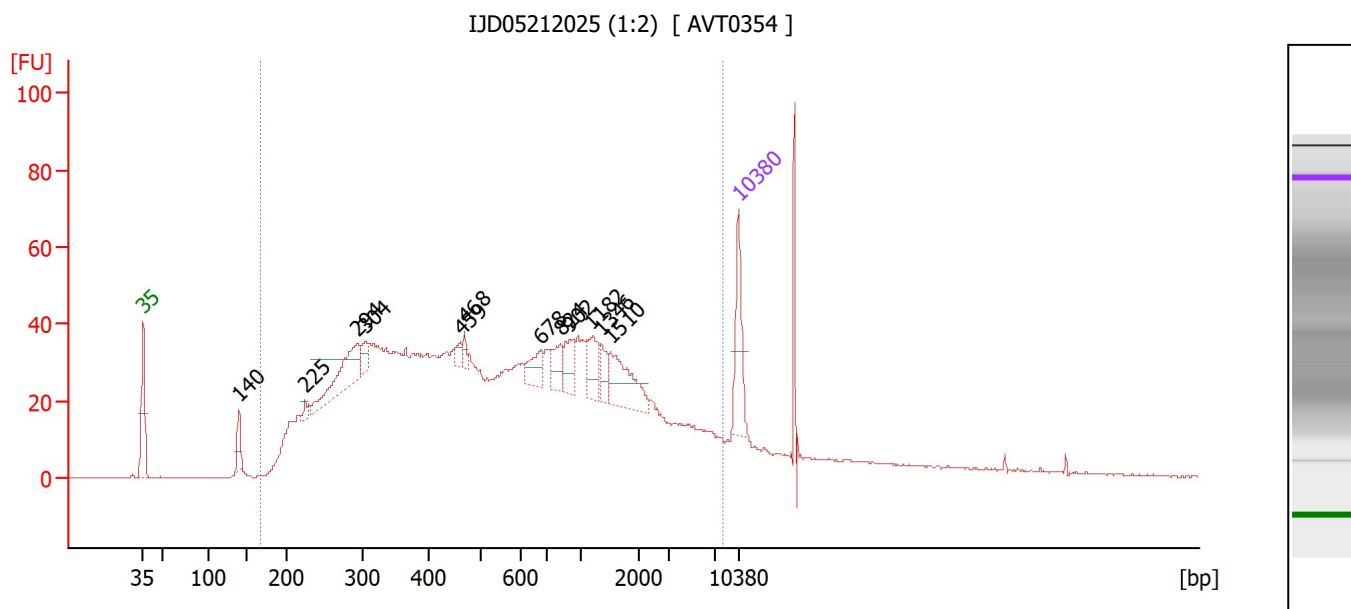
Region table for sample 8 : N1294P (1:6)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,702	1,863.5	97	554	26.4	2,925.00	8,631.3	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 3:25:46 PM
Modified: 5/28/2025 4:41:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : IJD05212025 (1:2)

Number of peaks found: 12 Corr. Area 1: 1,588.6
Noise: 0.1

Peak table for sample 9 : IJD05212025 (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	140	41.48	449.0	
3	225	12.71	85.7	
4	294	124.92	643.8	
5	304	29.44	146.6	
6	459	14.02	46.3	
7	468	15.20	49.2	
8	678	40.22	89.9	
9	824	41.06	75.5	
10	902	41.19	69.2	
11	1,182	49.55	63.5	
12	1,346	28.43	32.0	
13	1,510	86.08	86.4	
14	10,380	75.00	10.9	Upper Marker

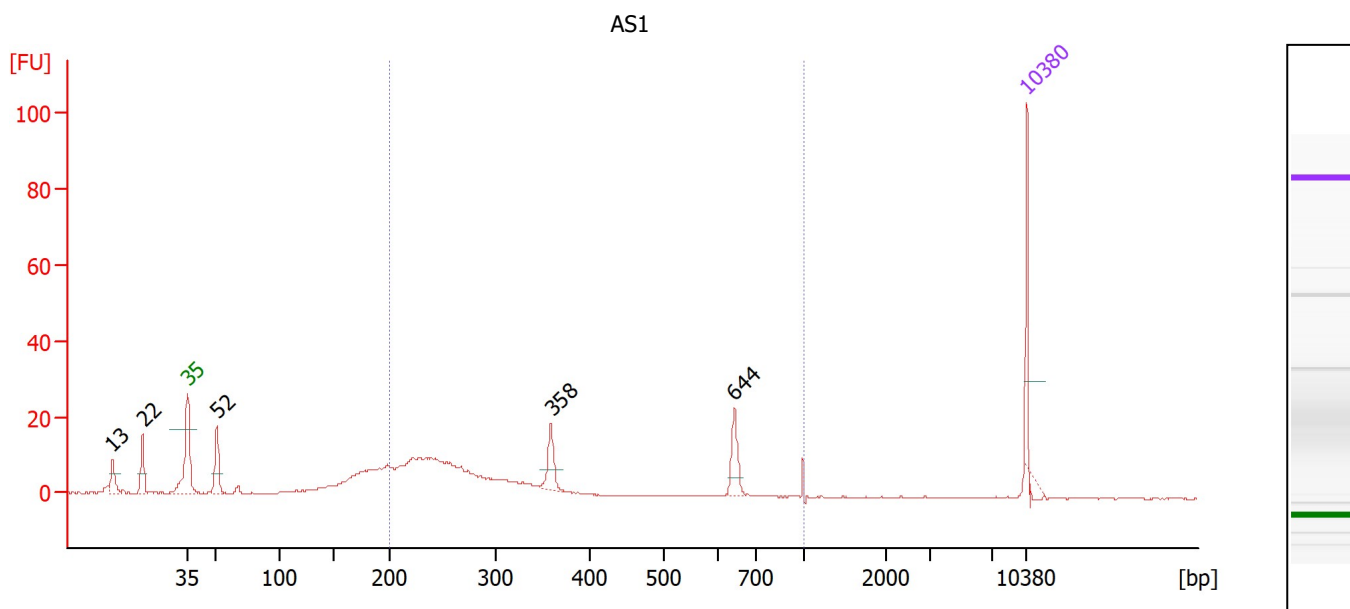
Region table for sample 9 : IJD05212025 (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
168	8,316	1,588.6	92	990	100.0	4,140.65	14,635.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 3:25:46 PM
Modified: 5/28/2025 4:41:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : AS1

Number of peaks found: 5
Noise: 0.1
Corr. Area 1: 172.9

Peak table for sample 10 : AS1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	13	0.00	0.0	
2	22	0.00	0.0	
3	35	125.00	5,411.3	Lower Marker
4	52	145.83	4,279.4	
5	358	91.26	385.7	
6	644	90.81	213.8	
7	10,380	75.00	10.9	Upper Marker

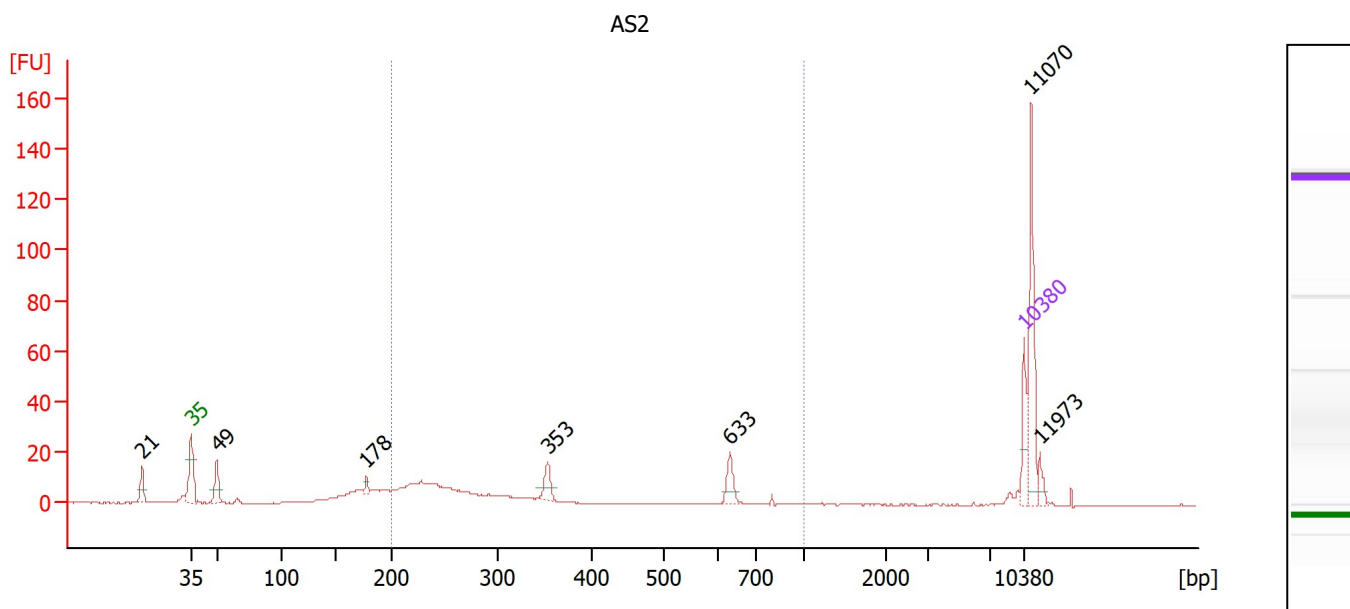
Region table for sample 10 : AS1

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	172.9	61	336	47.8	1,195.85	6,493.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 3:25:46 PM
Modified: 5/28/2025 4:41:38 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : AS2

Number of peaks found: 7
Noise: 0.1
Corr. Area 1: 135.9

Peak table for sample 11 : AS2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	21	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	49	103.39	3,183.8	
4	178	19.60	167.2	
5	353	62.60	268.3	
6	633	62.36	149.2	
7	10,380	75.00	10.9	Upper Marker
8	11,070	0.00	0.0	
9	11,973	0.00	0.0	

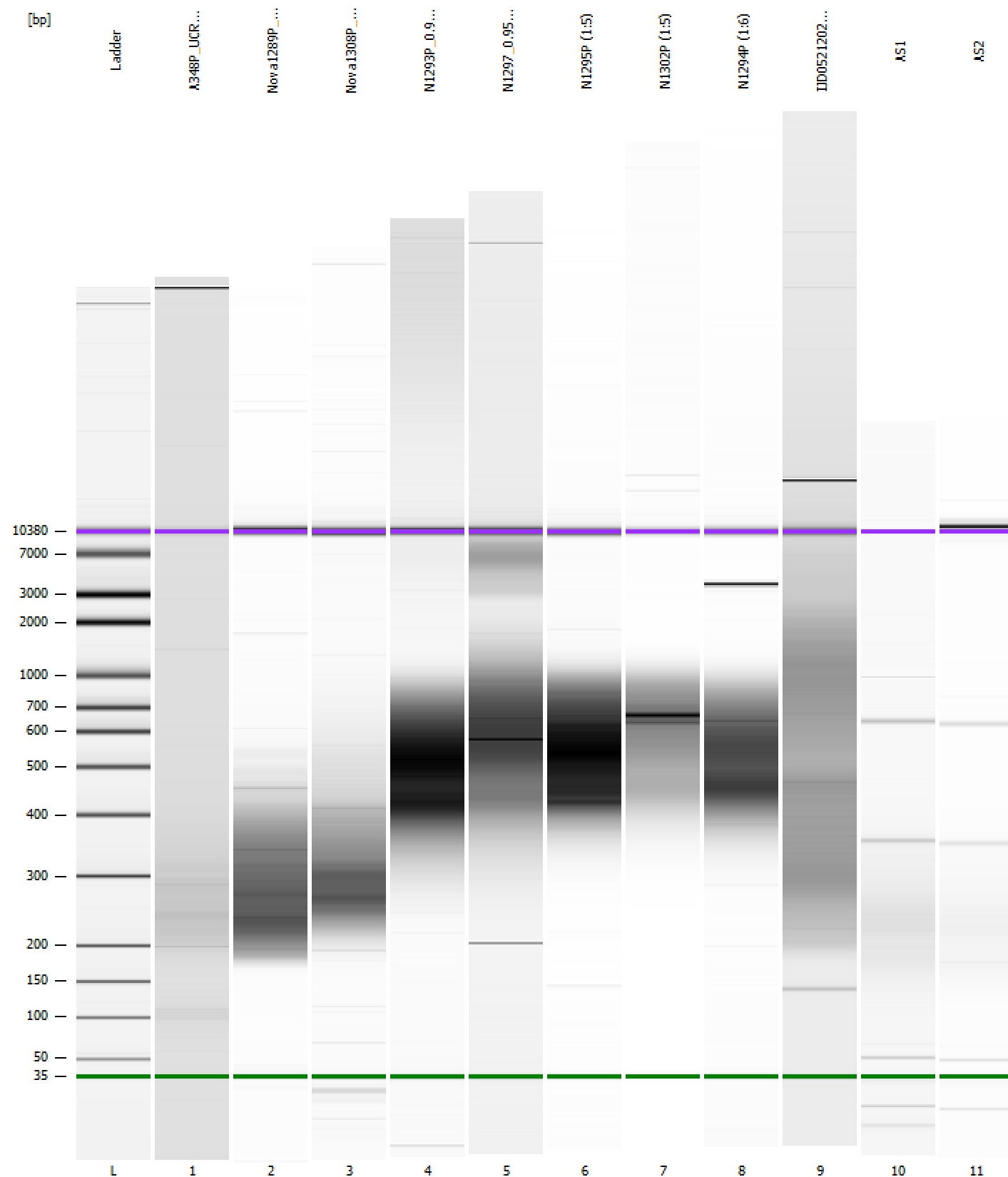
Region table for sample 11 : AS2

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	135.9	44	334	43.7	701.42	3,804.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 3:25:46 PM
 Modified: 5/28/2025 4:41:38 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2025-05-28_001.xad

Created: 5/28/2025 3:25:46 PM
 Modified: 5/28/2025 4:41:38 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		5/28/2025 4:07:13 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\2025-05-28\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-05-28_001.xad)		Instrument	Run		5/28/2025 3:25:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/28/2025 3:25:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/28/2025 3:25:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/28/2025 3:25:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/28/2025 3:25:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/28/2025 3:25:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/28/2025 3:25:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB