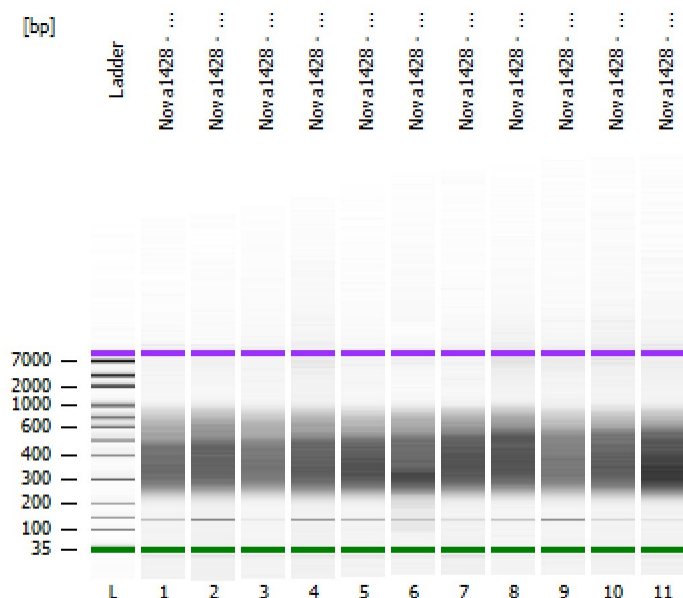


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-06_001.xad

Created: 1/6/2026 11:28:36 AM
Modified: 1/6/2026 12:11:00 PM

Electrophoresis File Run Summary



Instrument Information:

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

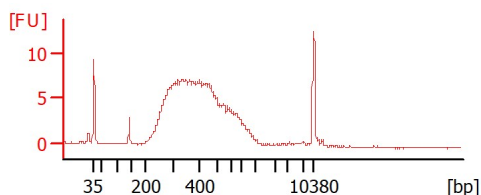
Assay Information:

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

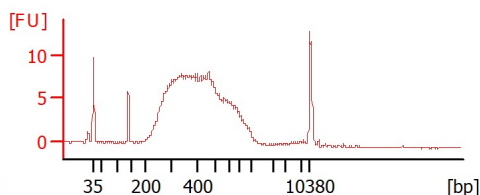
Chip Information:

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

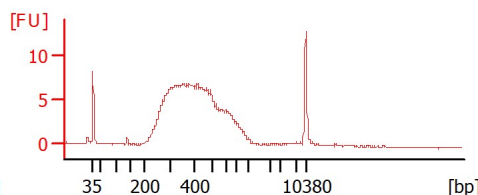
Nova1428 - 25 library (1:4)



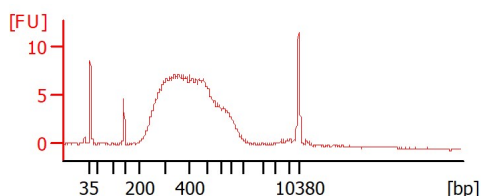
Nova1428 - 26 library (1:4)



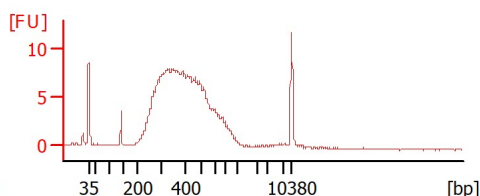
Nova1428 - 27 library (1:5)



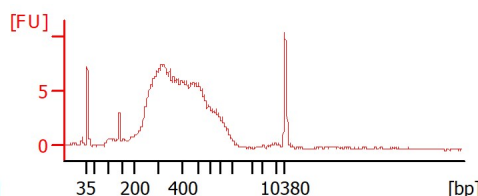
Nova1428 - 28 library (1:5)



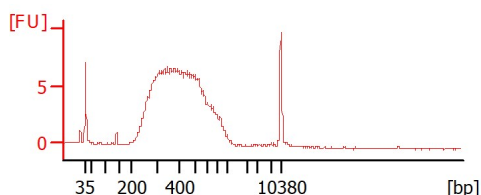
Nova1428 - 29 library (1:3)



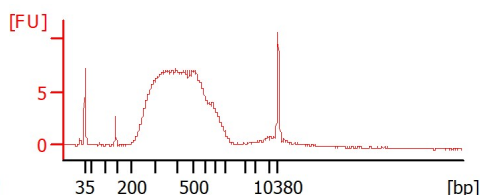
Nova1428 - 30 library (1:5)



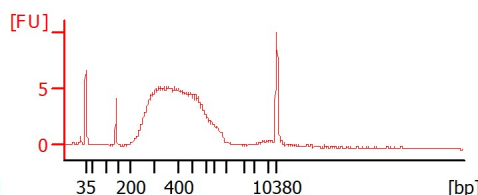
Nova1428 - 31 library (1:3)



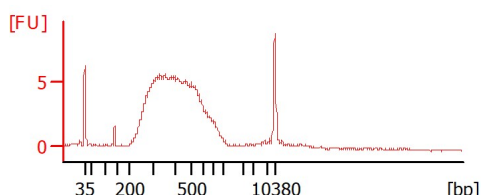
Nova1428 - 32 library (1:7)



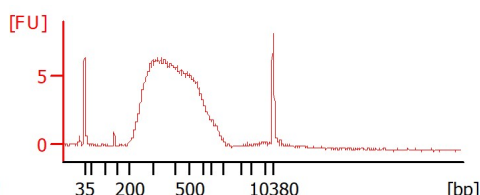
Nova1428 - 33 library (1:4)



Nova1428 - 34 library (1:6)



Nova1428 - 35 library (1:5)



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-06_001.xad

Created: 1/6/2026 11:28:36 AM
Modified: 1/6/2026 12:11:00 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Statu s	Observation	Result Label	Result Color
Nova1428 - 25 library (1:4)		☐	✓			
Nova1428 - 26 library (1:4)		☐	✓			
Nova1428 - 27 library (1:5)		☐	✓			
Nova1428 - 28 library (1:5)		☐	✓			
Nova1428 - 29 library (1:3)		☐	✓			
Nova1428 - 30 library (1:5)		☐	✓			
Nova1428 - 31 library (1:3)		☐	✓			
Nova1428 - 32 library (1:7)		☐	✓			
Nova1428 - 33 library (1:4)		☐	✓			
Nova1428 - 34 library (1:6)		☐	✓			
Nova1428 - 35 library (1:5)		☐	✓			
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-06_001.xad

Created: 1/6/2026 11:28:36 AM
 Modified: 1/6/2026 12:11:00 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

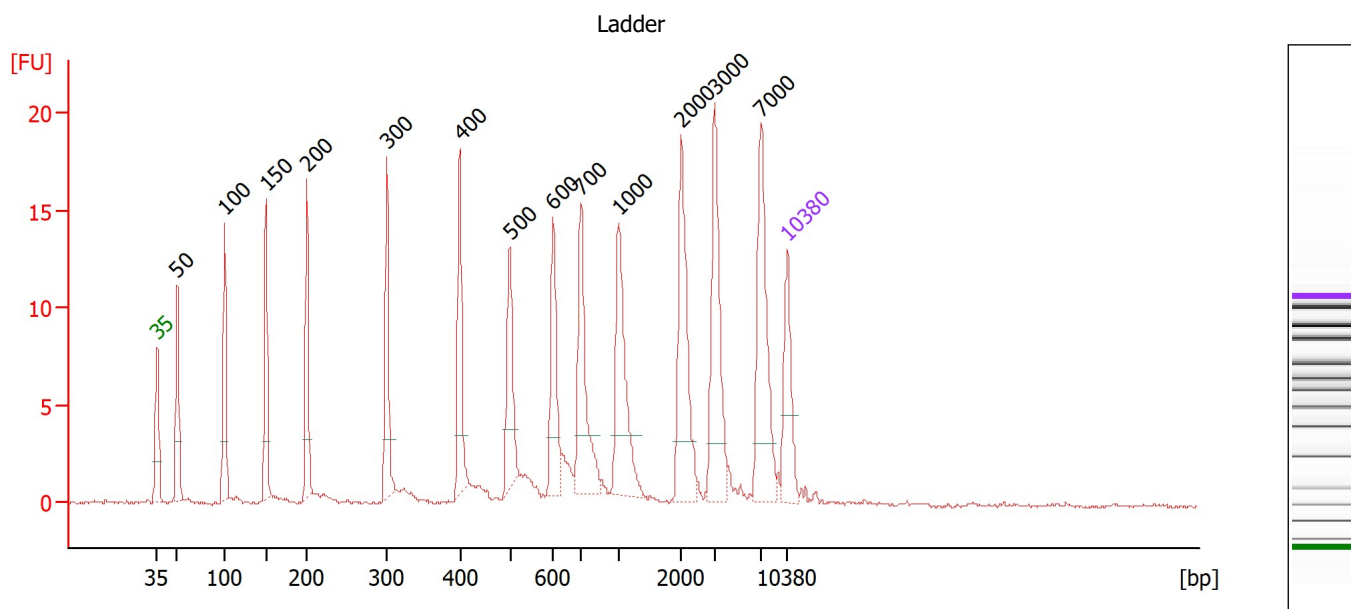
Ladder

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_2026-01-06_001.xad

Created: 1/6/2026 11:28:36 AM
 Modified: 1/6/2026 12:11:00 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

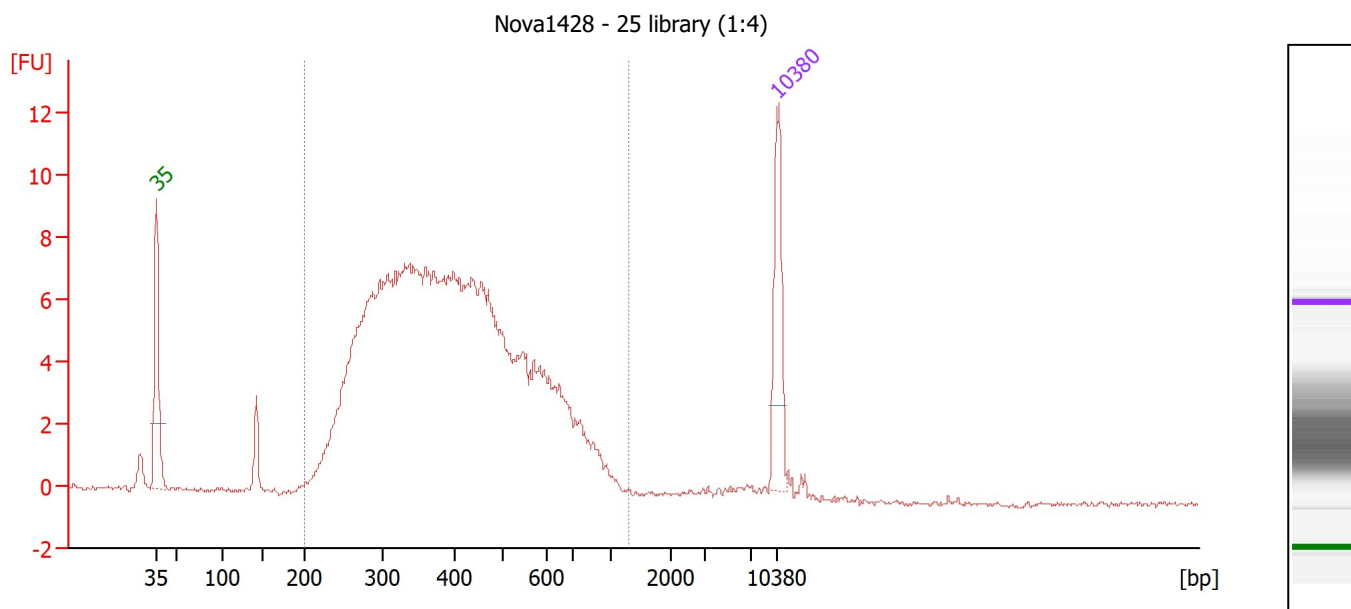
Peak table for Ladder

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_2026-01-06_001.xad

Created: 1/6/2026 11:28:36 AM
 Modified: 1/6/2026 12:11:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Nova1428 - 25 library (1:4)

Number of peaks found: 0 Corr. Area 1: 195.5
 Noise: 0.1

Peak table for sample 1 : Nova1428 - 25 library (1:4)

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

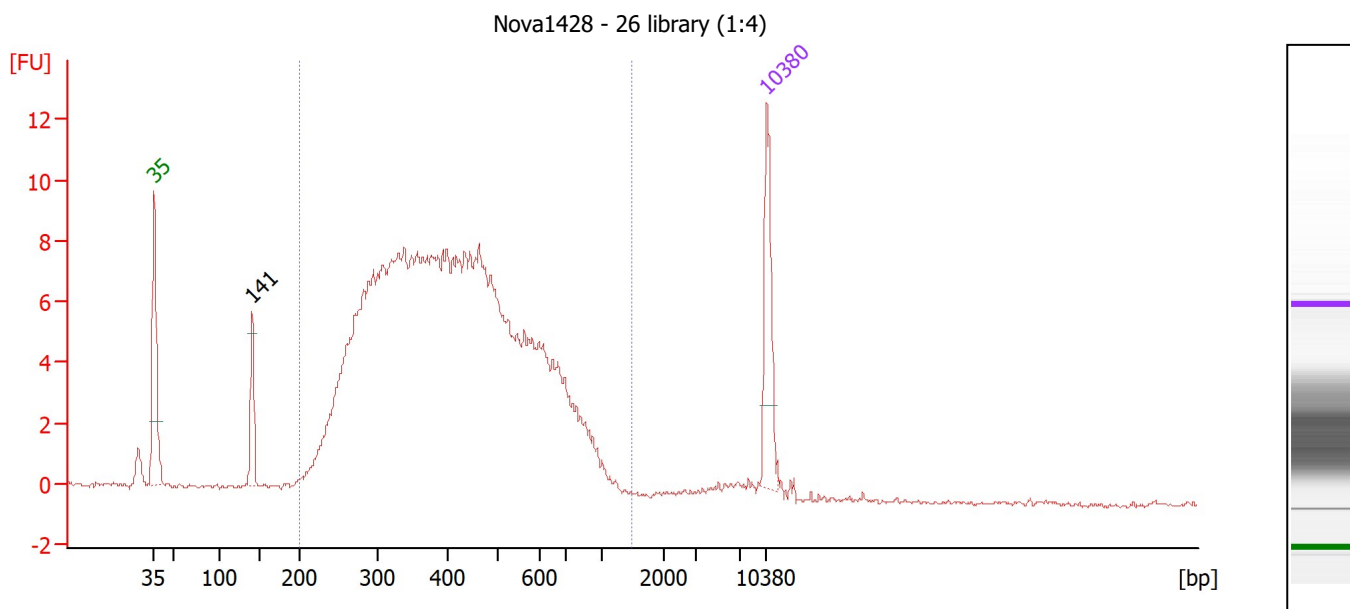
Region table for sample 1 : Nova1428 - 25 library (1:4)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,297	195.5	97	423	34.4	2,032.53	8,358.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-06_001.xad

Created: 1/6/2026 11:28:36 AM
 Modified: 1/6/2026 12:11:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Nova1428 - 26 library (1:4)

Number of peaks found: 1 Corr. Area 1: 222.6
 Noise: 0.1

Peak table for sample 2 : Nova1428 - 26 library (1:4)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	141	63.47	683.7	
3	10,380	75.00	10.9	Upper Marker

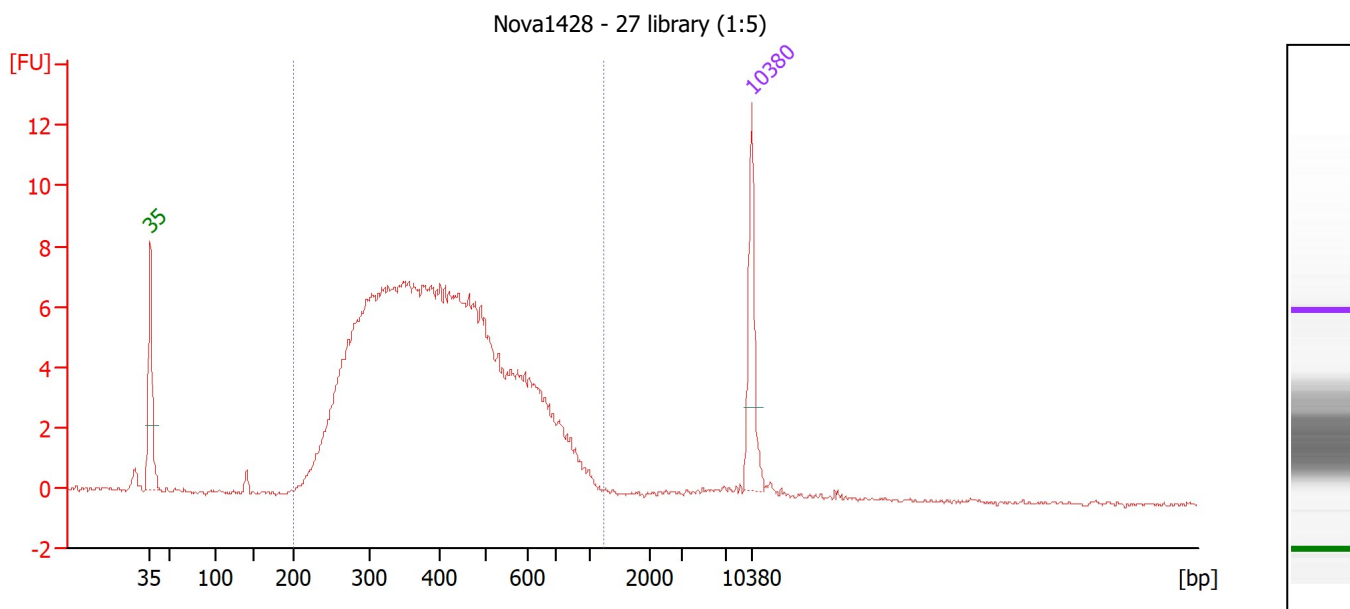
Region table for sample 2 : Nova1428 - 26 library (1:4)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,485	222.6	96	436	35.4	2,484.23	10,007.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-06_001.xad

Created: 1/6/2026 11:28:36 AM
 Modified: 1/6/2026 12:11:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Nova1428 - 27 library (1:5)

Number of peaks found: 0 Corr. Area 1: 184.6
 Noise: 0.1

Peak table for sample 3 : Nova1428 - 27 library (1:5)

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

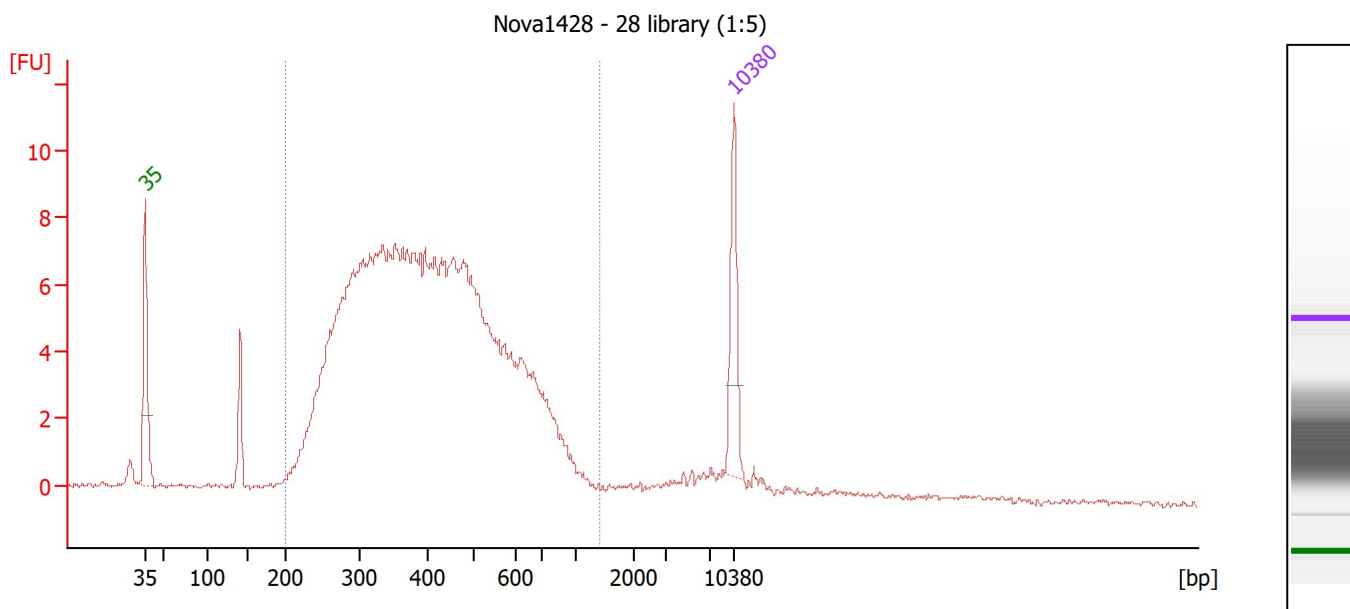
Region table for sample 3 : Nova1428 - 27 library (1:5)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,232	184.6	98	427	33.4	2,367.75	9,579.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-06_001.xad

Created: 1/6/2026 11:28:36 AM
 Modified: 1/6/2026 12:11:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Nova1428 - 28 library (1:5)

Number of peaks found: 0 Corr. Area 1: 204.0
 Noise: 0.1

Peak table for sample 4 : Nova1428 - 28 library (1:5)

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

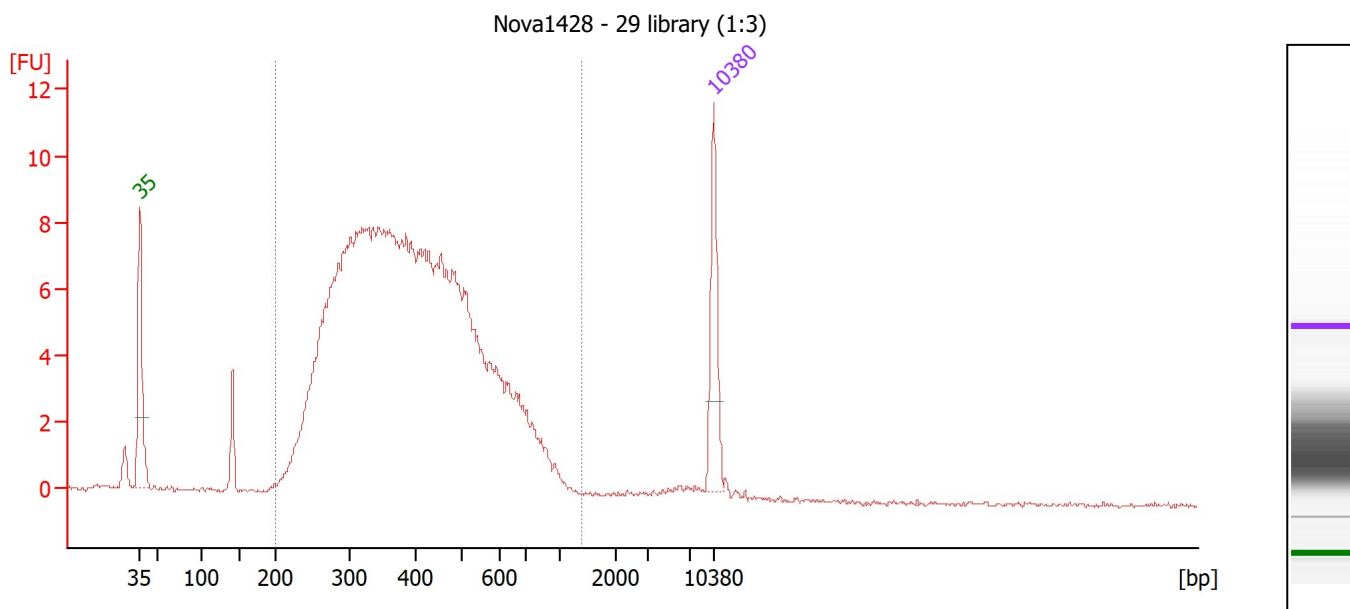
Region table for sample 4 : Nova1428 - 28 library (1:5)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,408	204.0	92	431	36.2	2,789.94	11,377.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-06_001.xad

Created: 1/6/2026 11:28:36 AM
 Modified: 1/6/2026 12:11:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Nova1428 - 29 library (1:3)

Number of peaks found: 0 Corr. Area 1: 206.7
 Noise: 0.1

Peak table for sample 5 : Nova1428 - 29 library (1:3)

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

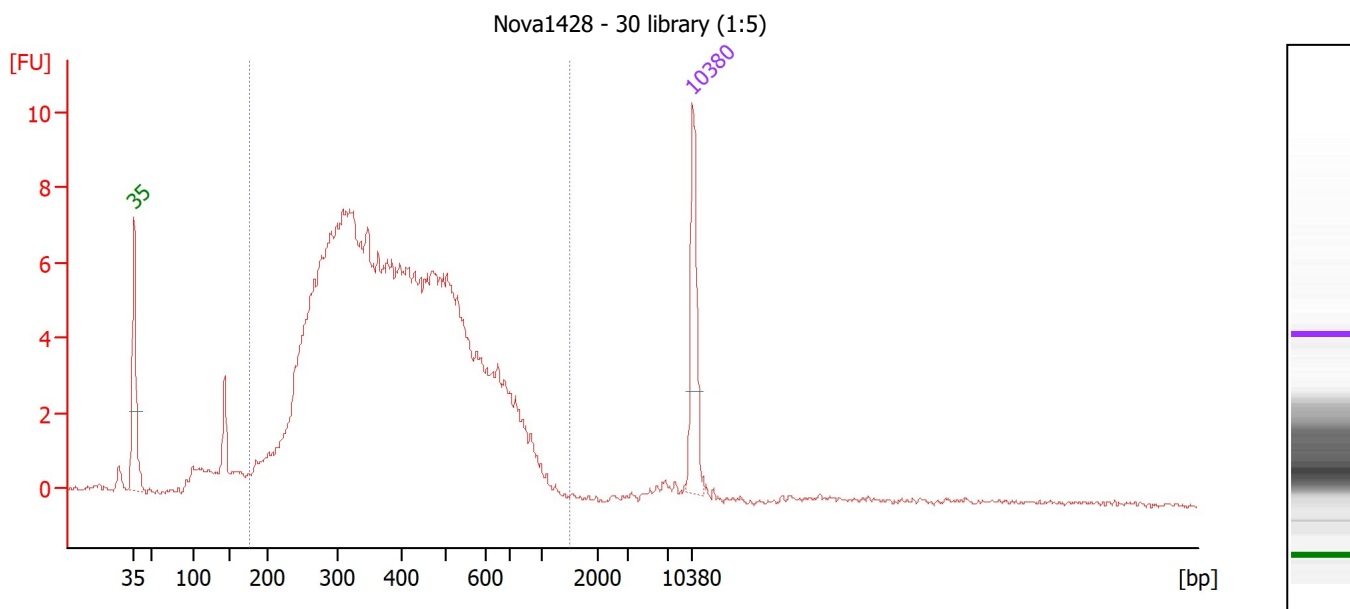
Region table for sample 5 : Nova1428 - 29 library (1:3)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,368	206.7	96	417	33.5	2,536.41	10,484.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-06_001.xad

Created: 1/6/2026 11:28:36 AM
Modified: 1/6/2026 12:11:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Nova1428 - 30 library (1:5)

Number of peaks found: 0 Corr. Area 1: 192.4
Noise: 0.1

Peak table for sample 6 : Nova1428 - 30 library (1:5)

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

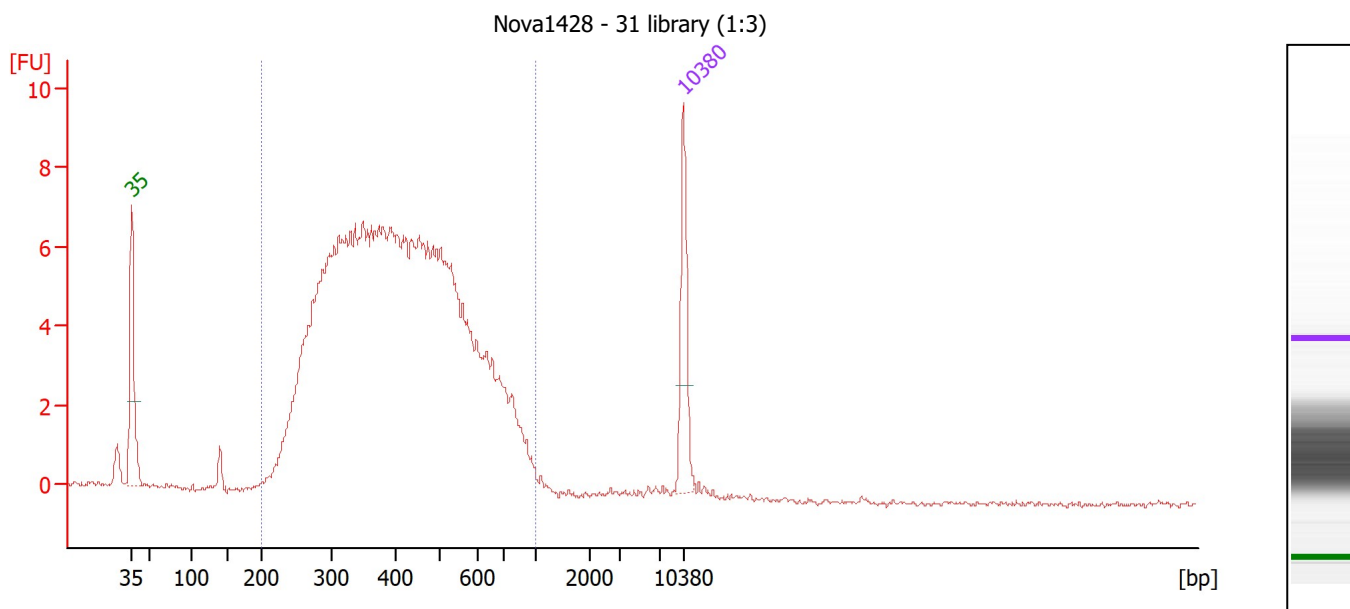
Region table for sample 6 : Nova1428 - 30 library (1:5)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
176	1,497	192.4	94	418	36.4	2,698.02	11,461.7	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-06_001.xad

Created: 1/6/2026 11:28:36 AM
Modified: 1/6/2026 12:11:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Nova1428 - 31 library (1:3)

Number of peaks found: 0 Corr. Area 1: 180.3
Noise: 0.1

Peak table for sample 7 : Nova1428 - 31 library (1:3)

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

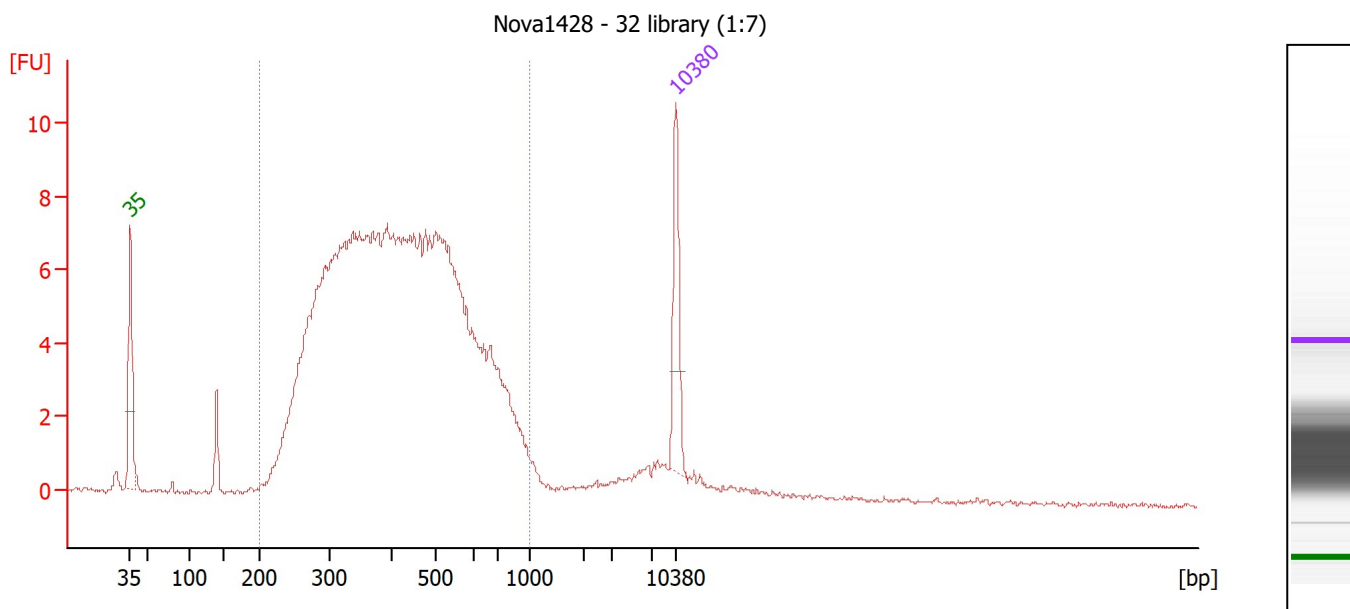
Region table for sample 7 : Nova1428 - 31 library (1:3)

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	180.3	97	430	32.7	2,772.49	11,141.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-06_001.xad

Created: 1/6/2026 11:28:36 AM
 Modified: 1/6/2026 12:11:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Nova1428 - 32 library (1:7)

Number of peaks found: 0 Corr. Area 1: 200.7
 Noise: 0.1

Peak table for sample 8 : Nova1428 - 32 library (1:7)

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

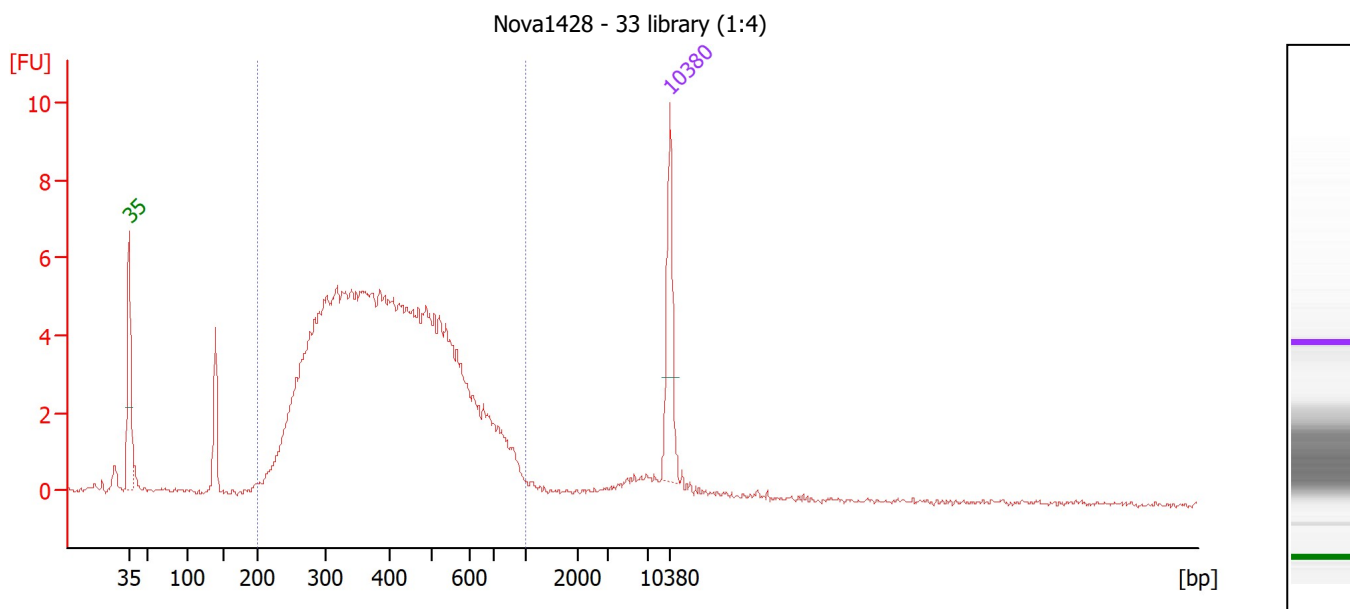
Region table for sample 8 : Nova1428 - 32 library (1:7)

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	200.7	92	441	33.1	3,081.76	12,165.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-06_001.xad

Created: 1/6/2026 11:28:36 AM
 Modified: 1/6/2026 12:11:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Nova1428 - 33 library (1:4)

Number of peaks found: 0 Corr. Area 1: 141.8
 Noise: 0.1

Peak table for sample 9 : Nova1428 - 33 library (1:4)

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

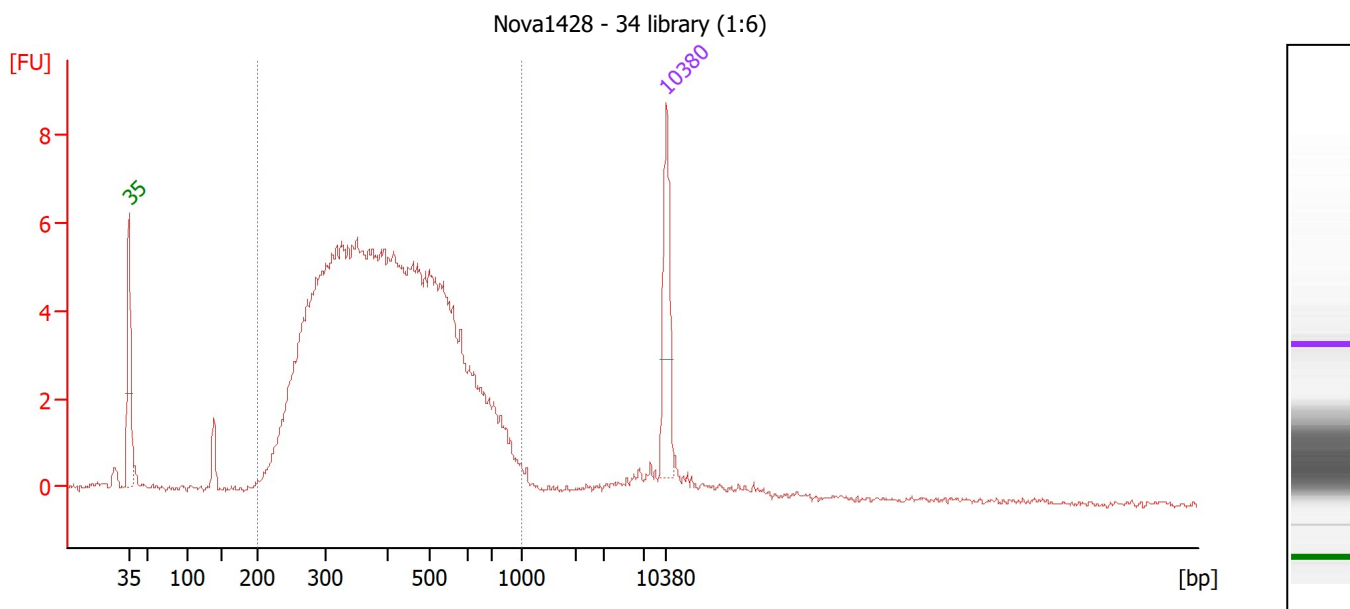
Region table for sample 9 : Nova1428 - 33 library (1:4)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	141.8	91	425	32.8	2,211.53	9,005.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-06_001.xad

Created: 1/6/2026 11:28:36 AM
 Modified: 1/6/2026 12:11:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Nova1428 - 34 library (1:6)

Number of peaks found: 0 Corr. Area 1: 149.7
 Noise: 0.1

Peak table for sample 10 : Nova1428 - 34 library (1:6)

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

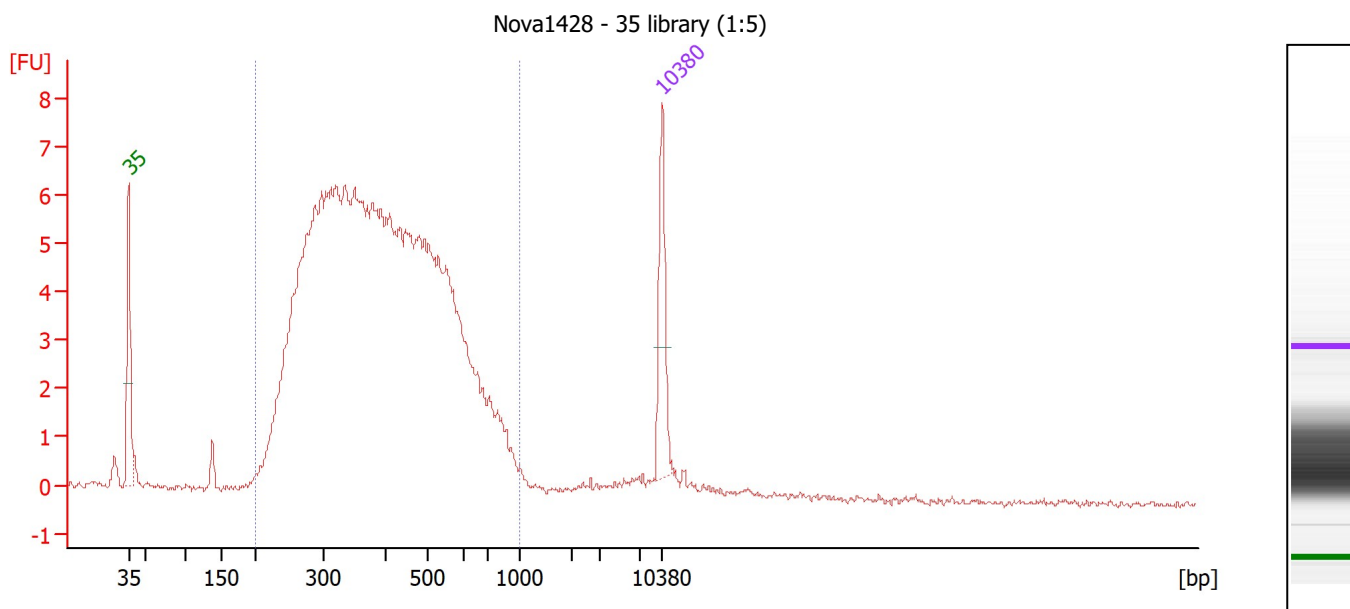
Region table for sample 10 : Nova1428 - 34 library (1:6)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	149.7	93	426	32.5	2,357.46	9,564.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-06_001.xad

Created: 1/6/2026 11:28:36 AM
 Modified: 1/6/2026 12:11:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Nova1428 - 35 library (1:5)

Number of peaks found: 0 Corr. Area 1: 165.5
 Noise: 0.1

Peak table for sample 11 : Nova1428 - 35 library (1:5)

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

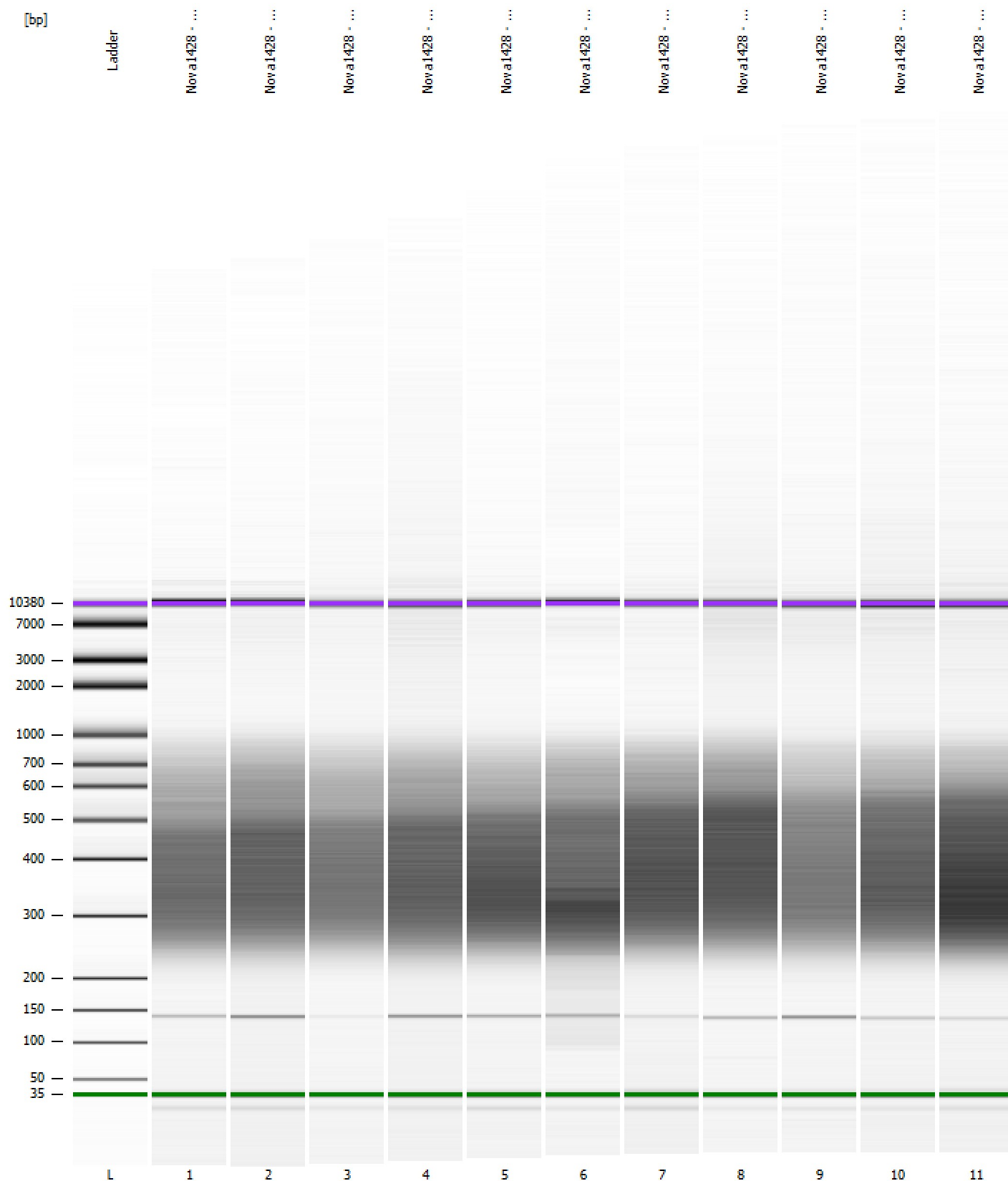
Region table for sample 11 : Nova1428 - 35 library (1:5)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	165.5	95	416	32.9	3,037.82	12,633.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-06_001.xad

Created: 1/6/2026 11:28:36 AM
 Modified: 1/6/2026 12:11:00 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2026-01-06_001.xad
 Created: 1/6/2026 11:28:36 AM
 Modified: 1/6/2026 12:11:00 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		1/6/2026 12:09:57 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2026-01-06\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2026-01-06_001.xad)		Instrument	Run		1/6/2026 11:28:42 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		1/6/2026 11:28:42 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		1/6/2026 11:28:42 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		1/6/2026 11:28:42 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		1/6/2026 11:28:42 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		1/6/2026 11:28:42 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		1/6/2026 11:28:42 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB