

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...bioanalyzer\2100 expert\data\2025-12-23\Custom0121 cDNA.xad

Created: 12/23/2025 9:36:18 AM
Modified: 12/23/2025 10:22:20 AM

Electrophoresis File Run Summary

Instrument Information:

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

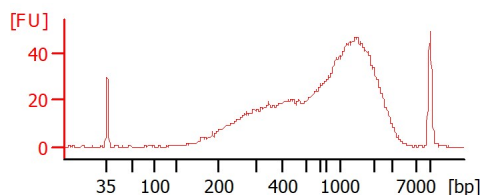
Assay Information:

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

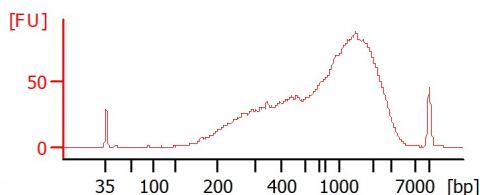
Chip Information:

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

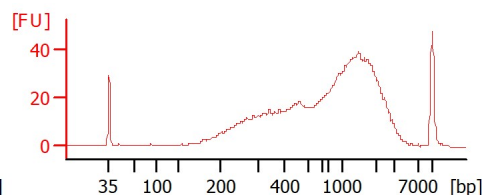
Sub library-1



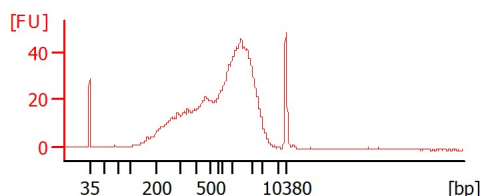
Sub library-2



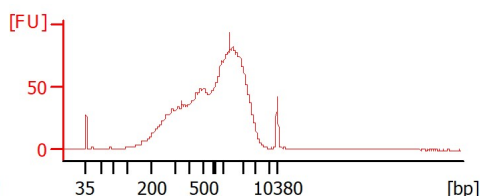
Sub library-3



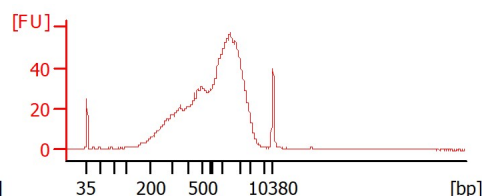
Sub library-4



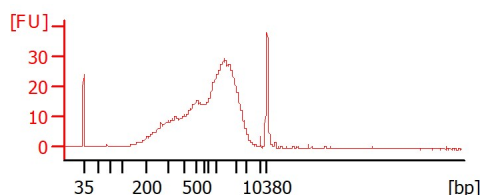
Sub library-5



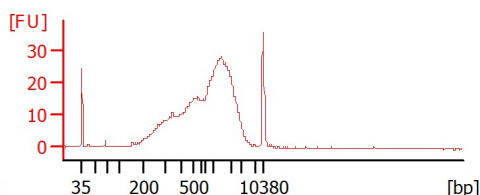
Sub library-6



Sub library-7



Sub library-8



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Sub library-1		☐	✓			
Sub library-2		☐	✓			
Sub library-3		☐	✓			
Sub library-4		☐	✓			
Sub library-5		☐	✓			
Sub library-6		☐	✓			
Sub library-7		☐	✓			
Sub library-8		☐	✓			
Ladder		☐	✓			

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

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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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

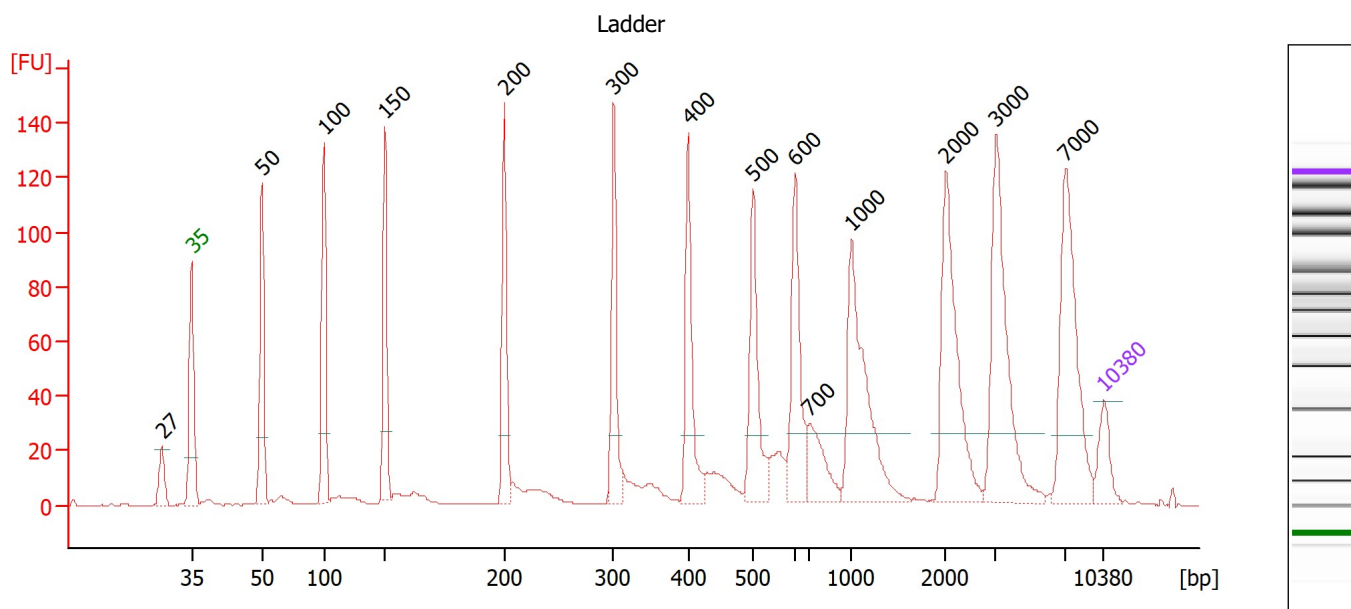
Ladder

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

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Electropherogram Summary



Overall Results for Ladder

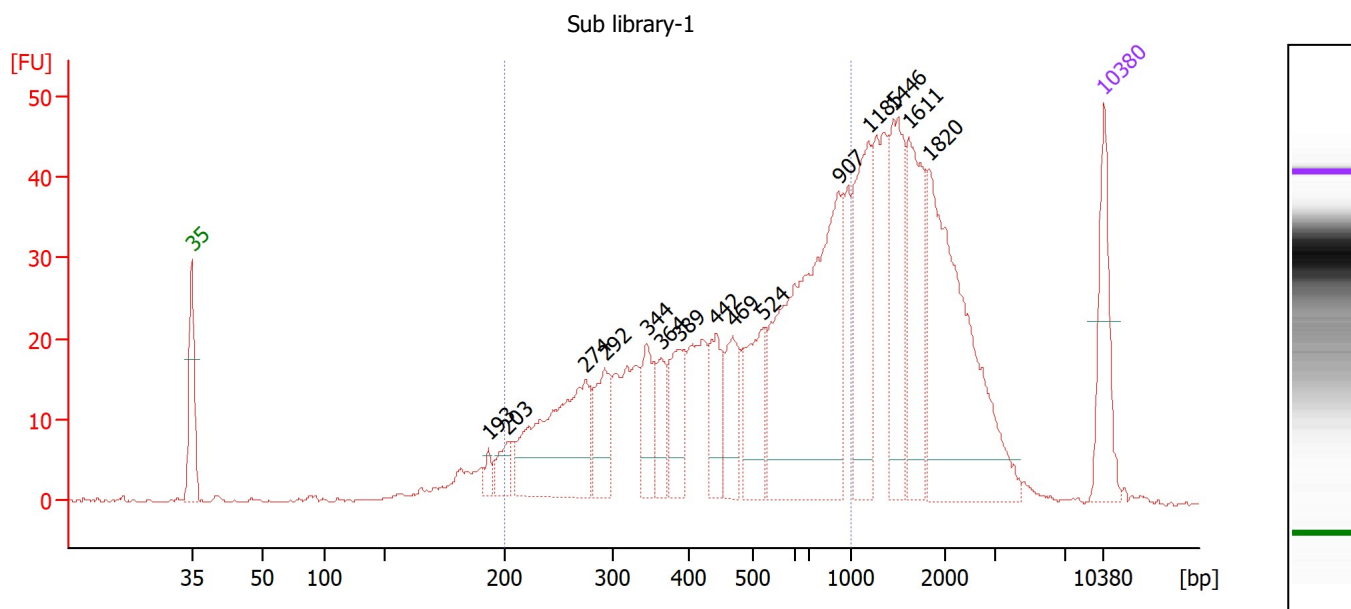
Noise: 0.1

Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	27	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	50	150.00	4,545.5	Ladder Peak
4	100	150.00	2,272.7	Ladder Peak
5	150	150.00	1,515.2	Ladder Peak
6	200	150.00	1,136.4	Ladder Peak
7	300	150.00	757.6	Ladder Peak
8	400	150.00	568.2	Ladder Peak
9	500	150.00	454.5	Ladder Peak
10	600	150.00	378.8	Ladder Peak
11	700	150.00	324.7	Ladder Peak
12	1,000	150.00	227.3	Ladder Peak
13	2,000	150.00	113.6	Ladder Peak
14	3,000	150.00	75.8	Ladder Peak
15	7,000	150.00	32.5	Ladder Peak
16	10,380	75.00	10.9	Upper Marker

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Electropherogram Summary Continued ...**Overall Results for sample 1 : Sub library-1**

Number of peaks found: 15 Corr. Area 1: 567.9
Noise: 0.1

Peak table for sample 1 : Sub library-1

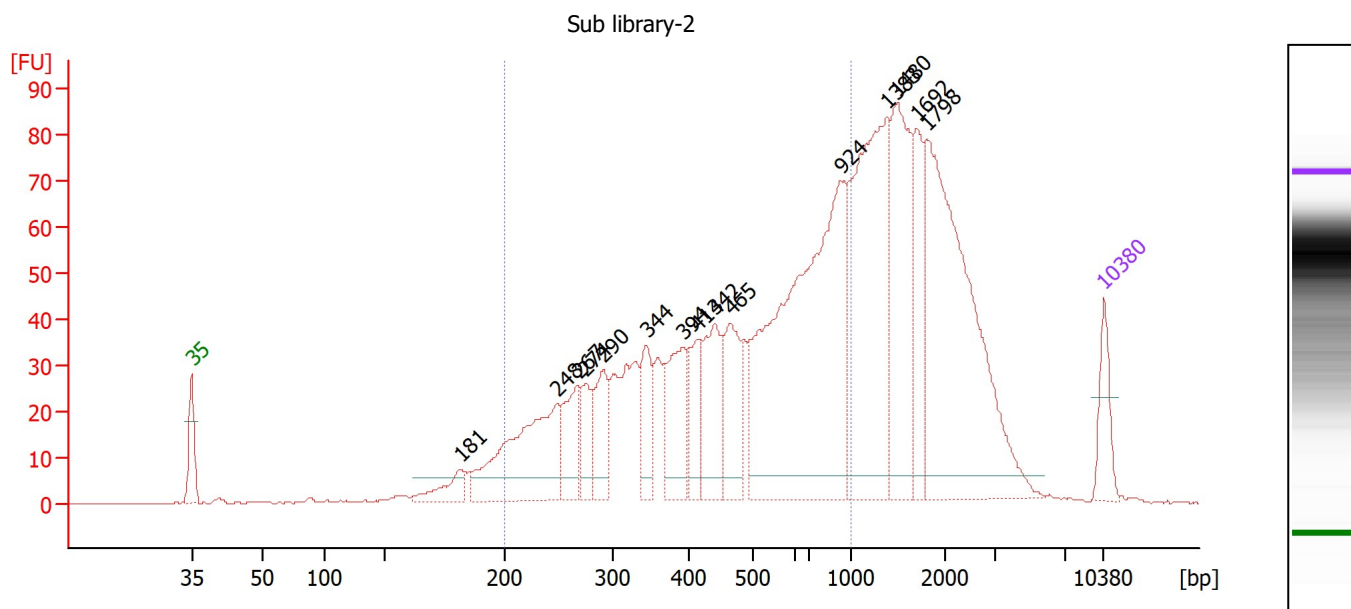
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	193	17.53	137.4	
3	203	33.83	252.9	
4	274	245.23	1,357.5	
5	292	80.88	419.9	
6	344	60.93	268.1	
7	364	45.81	190.5	
8	389	75.21	293.2	
9	442	66.30	227.1	
10	469	71.39	230.7	
11	524	98.01	283.3	
12	907	393.48	657.2	
13	1,185	137.91	176.3	
14	1,446	120.28	126.0	
15	1,611	118.95	111.9	
16	1,820	275.46	229.3	
17	10,380	75.00	10.9	Upper Marker

Region table for sample 1 : Sub library-1

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	567.9	56	508	43.0	1,579.46	6,025.3	Blue

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Electropherogram Summary Continued ...**Overall Results for sample 2 : Sub library-2**

Number of peaks found: 15 Corr. Area 1: 1,022.5
Noise: 0.1

Peak table for sample 2 : Sub library-2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	181	78.47	655.5	
3	248	465.05	2,839.5	
4	267	153.38	869.2	
5	274	97.51	538.6	
6	290	147.05	767.2	
7	344	132.25	581.9	
8	394	197.68	760.6	
9	413	120.94	443.3	
10	442	209.85	720.1	
11	465	192.49	627.7	
12	924	1,030.82	1,690.8	
13	1,383	641.07	702.5	
14	1,480	353.28	361.7	
15	1,692	168.49	150.9	
16	1,798	749.97	631.9	
17	10,380	75.00	10.9	Upper Marker

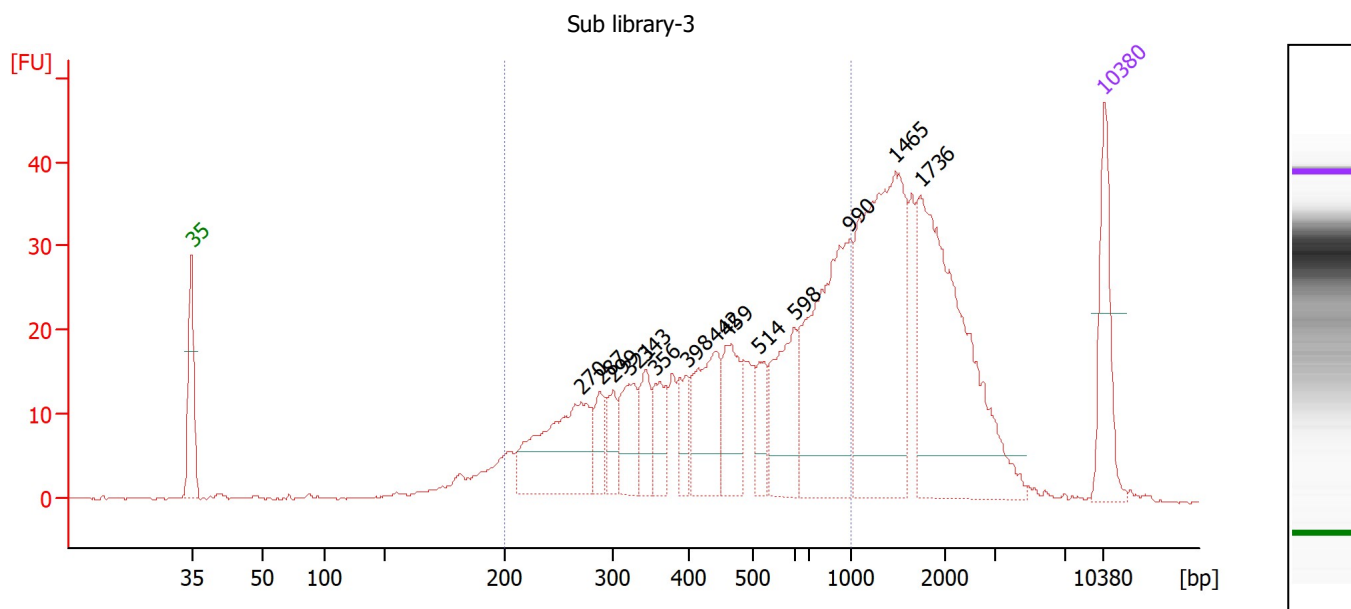
Region table for sample 2 : Sub library-2

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	1,022.5	55	507	43.1	3,450.71	13,190.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...bioanalyzer\2100 expert\data\2025-12-23\Custom0121 cDNA.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : Sub library-3

Number of peaks found: 14 Corr. Area 1: 447.0
 Noise: 0.1

Peak table for sample 3 : Sub library-3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	270	193.06	1,082.6	
3	287	40.70	214.5	
4	299	37.99	192.3	
5	321	69.22	326.9	
6	343	47.14	208.5	
7	356	43.81	186.2	
8	398	37.46	142.7	
9	442	112.90	387.0	
10	459	84.45	278.7	
11	514	38.95	114.8	
12	598	106.56	270.1	
13	990	234.03	358.2	
14	1,465	310.65	321.4	
15	1,736	305.94	267.0	
16	10,380	75.00	10.9	Upper Marker

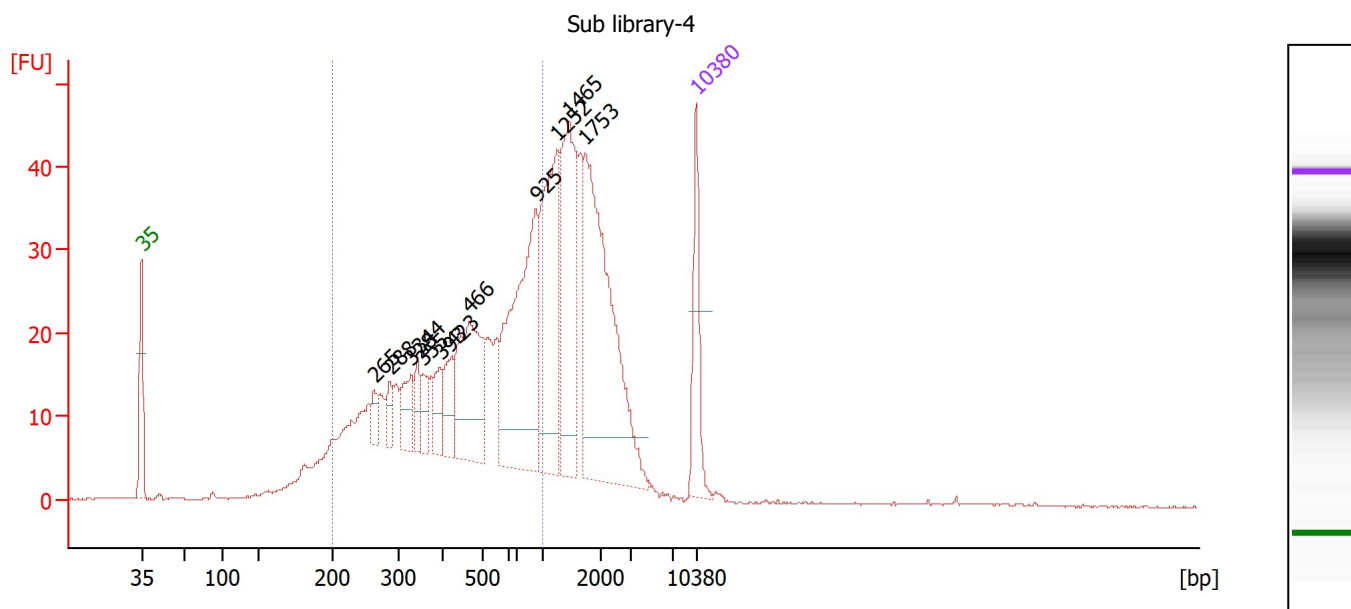
Region table for sample 3 : Sub library-3

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	447.0	56	506	43.1	1,277.58	4,881.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...bioanalyzer\2100 expert\data\2025-12-23\Custom0121 cDNA.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : Sub library-4

Number of peaks found: 12 Corr. Area 1: 503.5
 Noise: 0.1

Peak table for sample 4 : Sub library-4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	265	22.60	129.4	
3	288	25.89	136.2	
4	328	50.69	233.9	
5	344	31.63	139.4	
6	355	29.57	126.0	
7	393	36.50	140.6	
8	423	53.13	190.3	
9	466	181.68	590.6	
10	925	284.49	465.8	
11	1,252	216.00	261.4	
12	1,465	199.62	206.4	
13	1,753	331.85	286.9	
14	10,380	75.00	10.9	Upper Marker

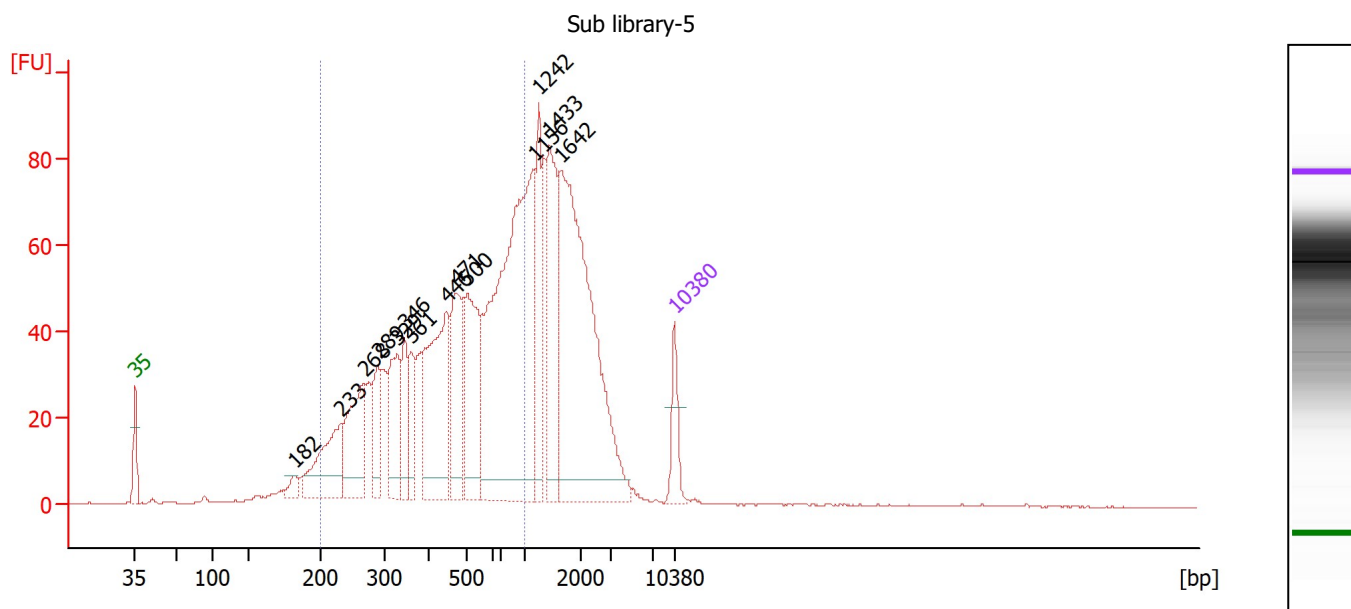
Region table for sample 4 : Sub library-4

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	503.5	54	506	43.2	1,543.30	5,920.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...bioanalyzer\2100 expert\data\2025-12-23\Custom0121 cDNA.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : Sub library-5

Number of peaks found: 14 Corr. Area 1: 1,091.8
 Noise: 0.1

Peak table for sample 5 : Sub library-5

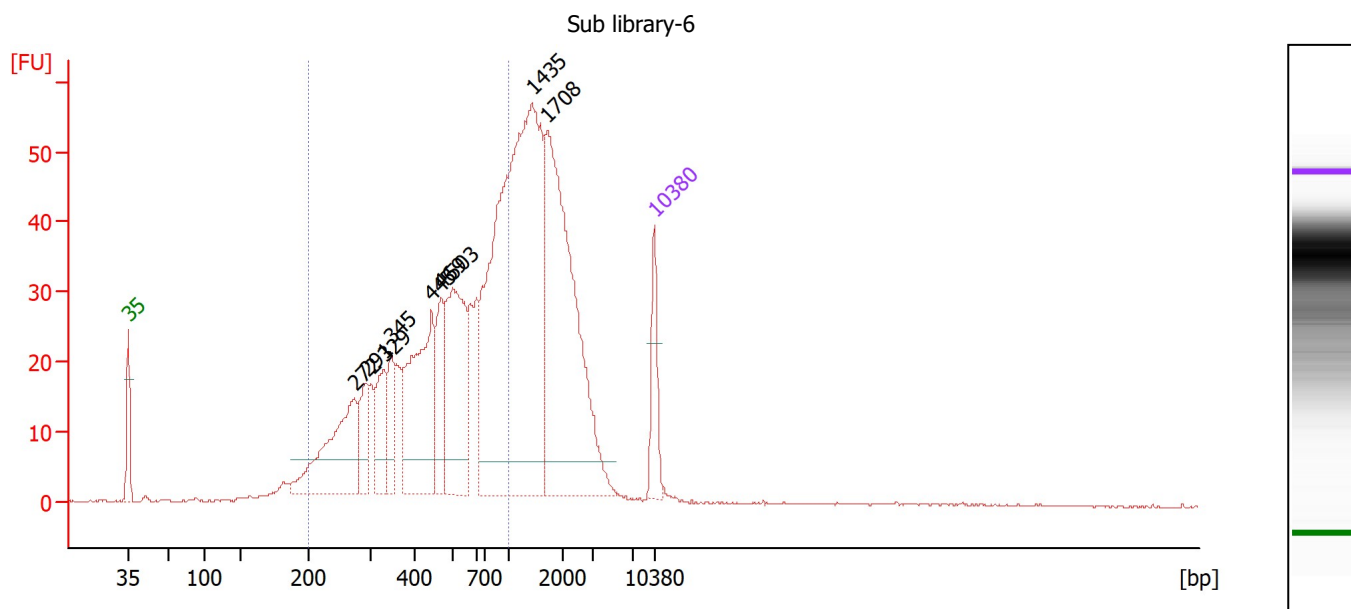
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	182	37.39	311.6	
3	233	293.40	1,908.4	
4	268	281.44	1,592.7	
5	289	154.58	809.6	
6	329	222.71	1,025.3	
7	346	136.54	597.8	
8	361	118.72	498.9	
9	446	488.36	1,658.4	
10	471	250.26	805.0	
11	500	349.60	1,059.3	
12	1,156	1,083.18	1,419.5	
13	1,242	189.45	231.1	
14	1,433	298.92	316.1	
15	1,642	919.07	847.9	
16	10,380	75.00	10.9	Upper Marker

Region table for sample 5 : Sub library-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	1,091.8	59	503	42.4	3,729.24	14,202.6	Blue

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Electropherogram Summary Continued ...**Overall Results for sample 6 : Sub library-6**

Number of peaks found: 9 Corr. Area 1: 625.5
Noise: 0.1

Peak table for sample 6 : Sub library-6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	272	314.21	1,747.1	
3	291	91.29	475.0	
4	329	118.42	544.8	
5	345	88.17	386.7	
6	445	342.32	1,164.6	
7	469	122.75	396.2	
8	503	320.42	965.0	
9	1,435	1,040.88	1,099.4	
10	1,708	606.49	538.0	
11	10,380	75.00	10.9	Upper Marker

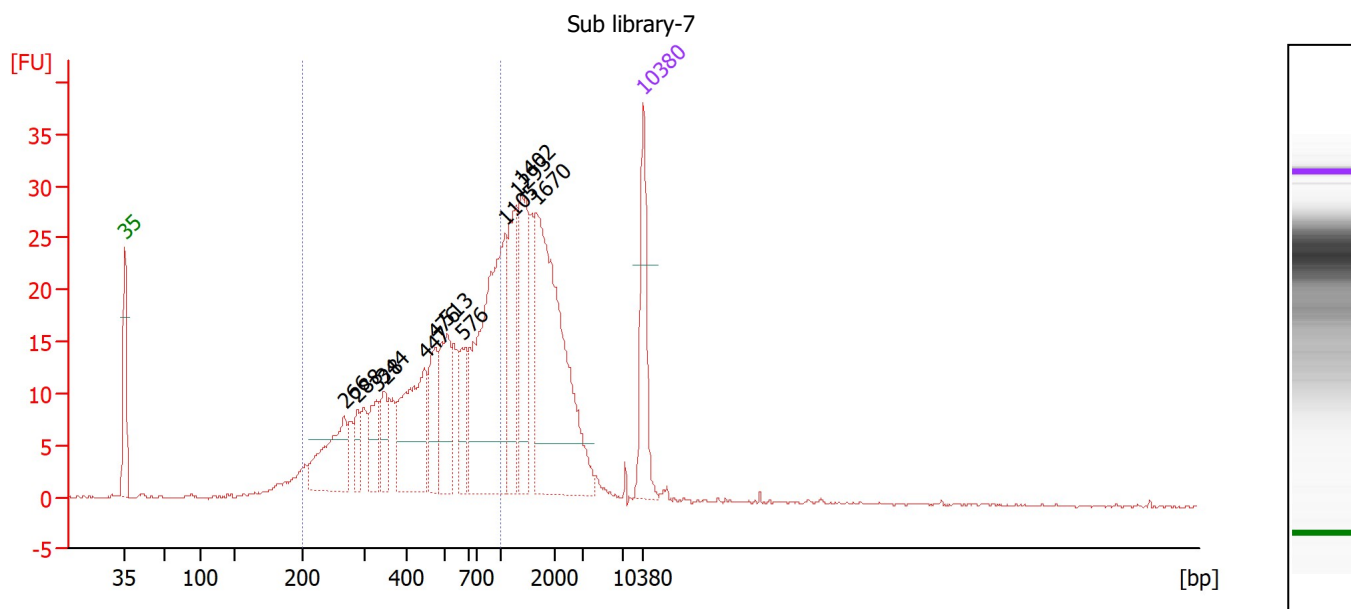
Region table for sample 6 : Sub library-6

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	625.5	55	518	41.4	2,290.62	8,411.7	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 7 : Sub library-7

Number of peaks found: 12 Corr. Area 1: 313.3
 Noise: 0.1

Peak table for sample 7 : Sub library-7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	266	116.00	659.6	
3	288	31.30	164.7	
4	328	44.97	207.9	
5	344	40.41	177.9	
6	447	147.42	499.8	
7	476	63.24	201.5	
8	513	88.67	261.6	
9	576	43.81	115.2	
10	1,105	255.99	351.0	
11	1,293	86.81	101.7	
12	1,402	110.27	119.1	
13	1,670	282.88	256.6	
14	10,380	75.00	10.9	Upper Marker

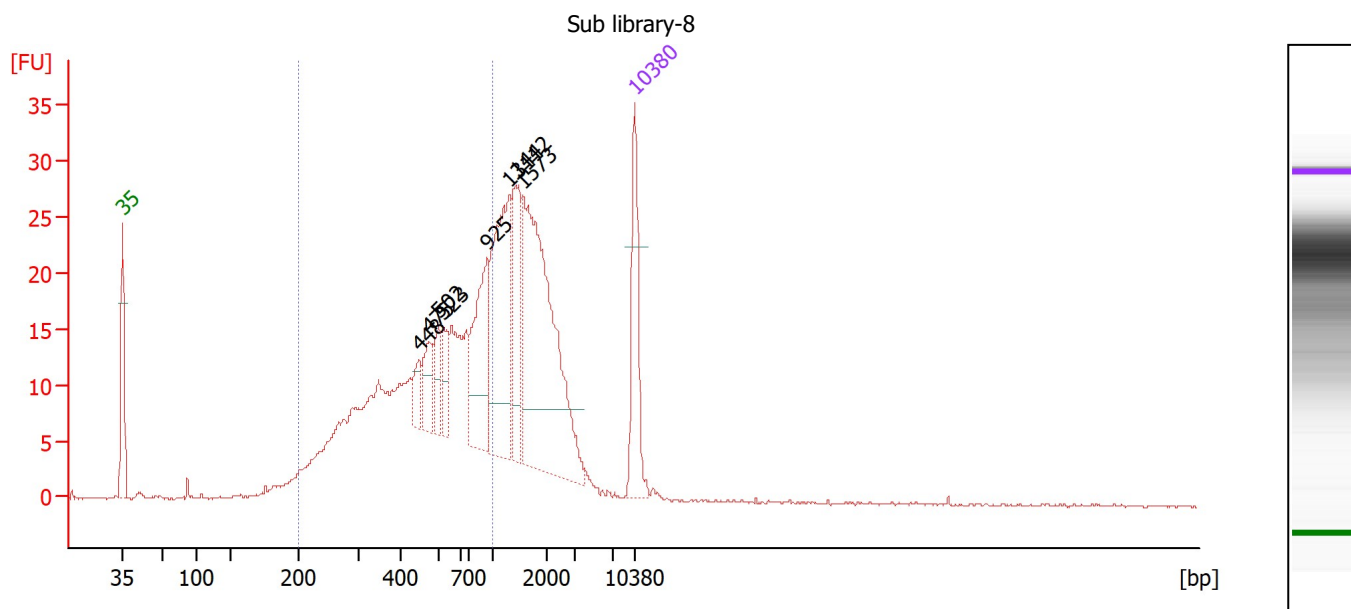
Region table for sample 7 : Sub library-7

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	313.3	55	513	41.4	1,063.71	3,950.6	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 8 : Sub library-8

Number of peaks found: 8 Corr. Area 1: 305.0
 Noise: 0.1

Peak table for sample 8 : Sub library-8

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	448	23.95	81.1	
3	475	35.98	114.7	
4	502	32.10	96.8	
5	523	30.90	89.6	
6	925	101.66	166.5	
7	1,311	159.08	183.8	
8	1,442	79.43	83.5	
9	1,573	279.42	269.2	
10	10,380	75.00	10.9	Upper Marker

Region table for sample 8 : Sub library-8

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	305.0	55	515	40.9	1,051.84	3,863.7	Blue

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Gel Image

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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		12/23/2025 10:17:39 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Instrument error occurred on port 1, Optical signal too high (1605h)	559	Instrument	Run	Sample 9	12/23/2025 10:10:04 AM	(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\2025-12-23\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-12-23_001.xad)		Instrument	Run		12/23/2025 9:36:26 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/23/2025 9:36:26 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/23/2025 9:36:26 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/23/2025 9:36:26 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/23/2025 9:36:26 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/23/2025 9:36:26 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/23/2025 9:36:25 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB