

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...yzer\2100 expert\data\2026-01-23\10XSC0438 BATCH-2 cDNA.xad

Created: 1/23/2026 10:18:54 AM  
Modified: 1/23/2026 11:09:33 AM

Electrophoresis File Run Summary

Instrument Information:

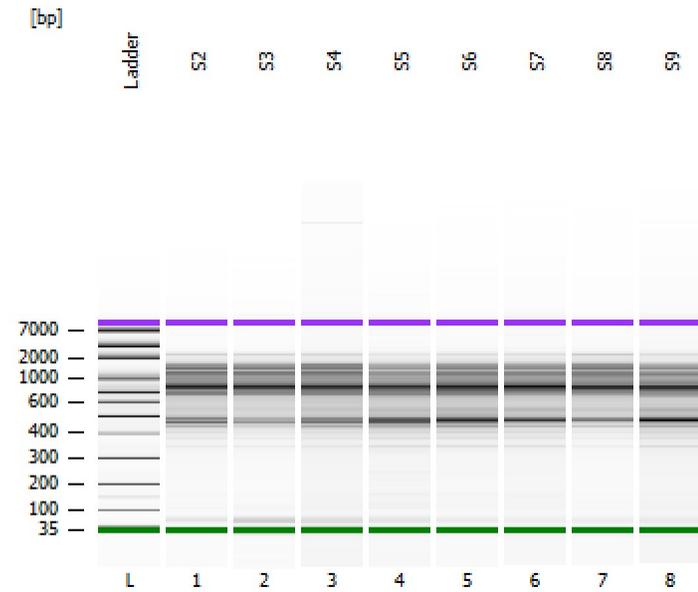
Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

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:

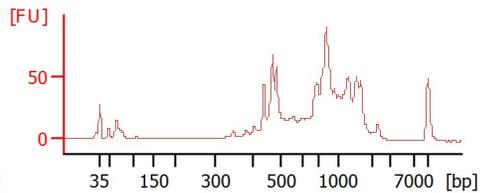
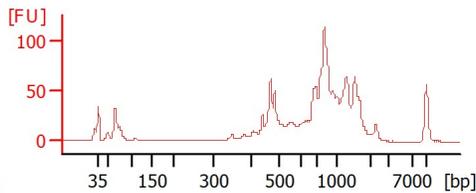
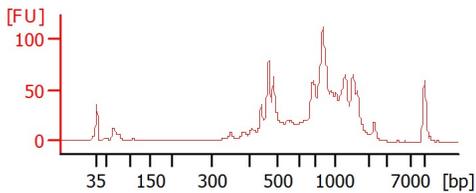
Chip Lot #:  
Reagent Kit Lot #:  
Chip Comments:



S2

S3

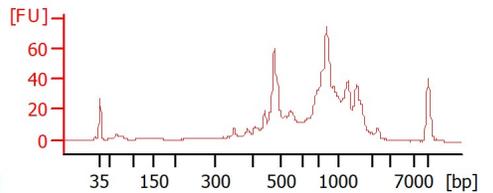
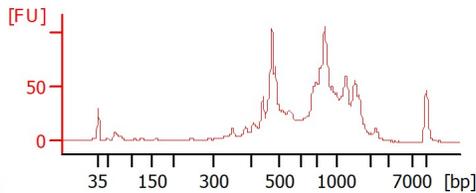
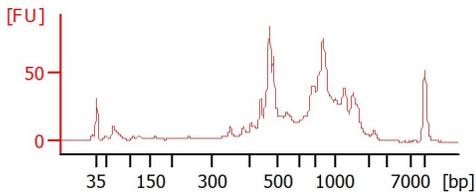
S4



S5

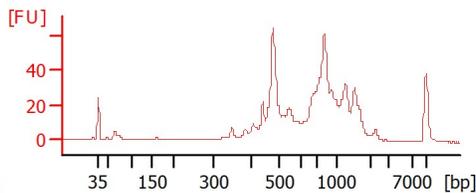
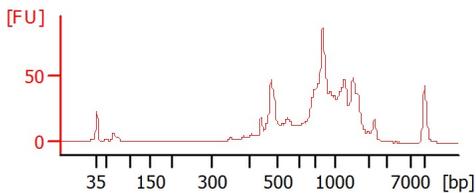
S6

S7



S8

S9



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**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
S2		<input type="checkbox"/>	✓			
S3		<input type="checkbox"/>	✓			
S4		<input type="checkbox"/>	✓			
S5		<input type="checkbox"/>	✓			
S6		<input type="checkbox"/>	✓			
S7		<input type="checkbox"/>	✓			
S8		<input type="checkbox"/>	✓			
S9		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

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/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

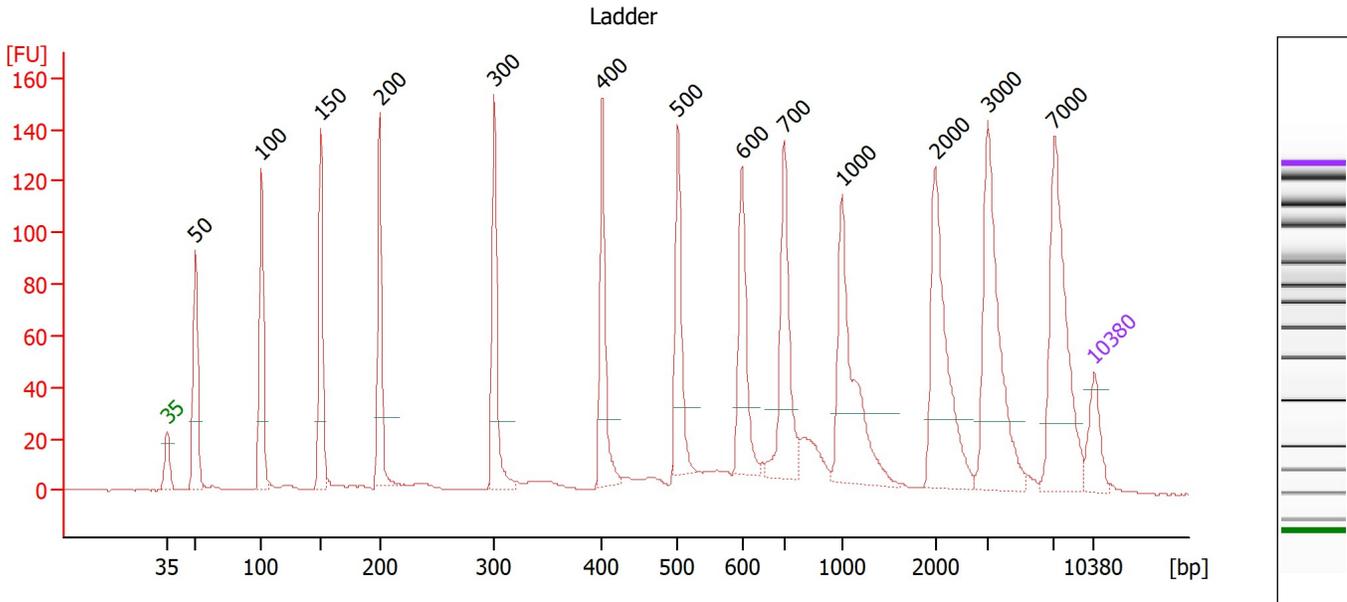
**Ladder**

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

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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

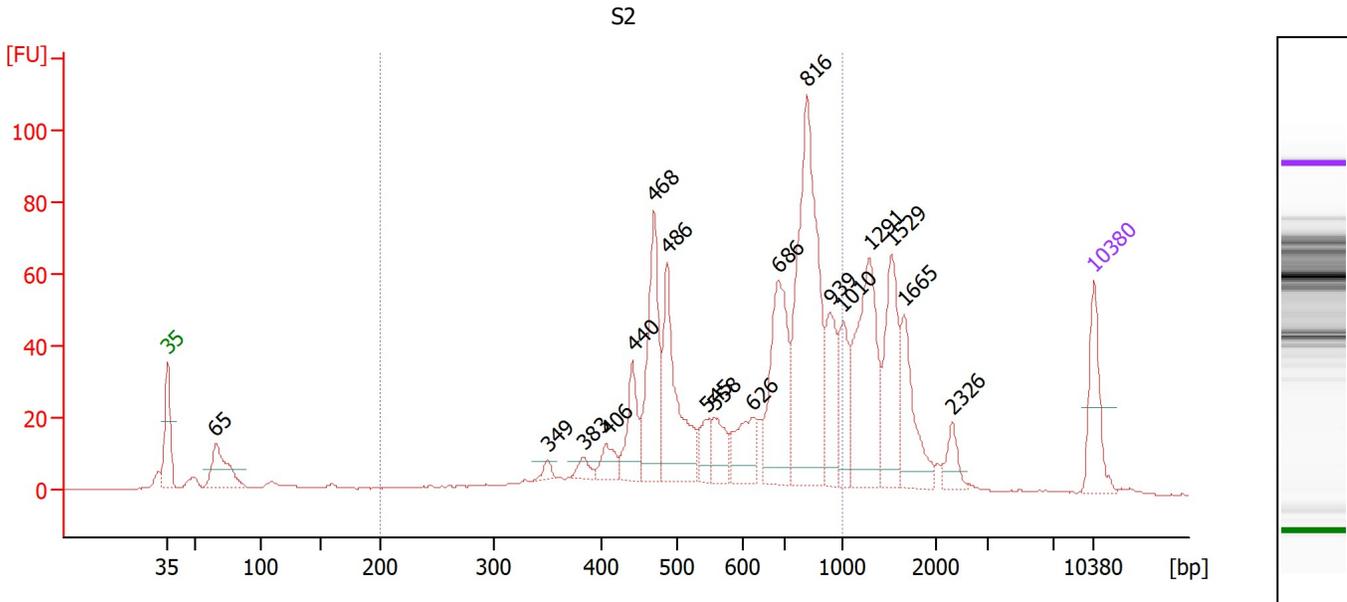
**Peak table for Ladder**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	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

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : S2**

Number of peaks found: 18                      Corr. Area 1: 761.8  
 Noise: 0.2

**Peak table for sample 1 : S2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	65	109.92	2,549.9	
3	349	13.90	60.3	
4	383	19.52	77.3	
5	406	35.50	132.6	
6	440	81.31	279.8	
7	468	195.95	633.8	
8	486	195.41	609.0	
9	545	36.99	102.8	
10	558	54.56	148.2	
11	626	76.98	186.4	
12	686	199.37	440.6	
13	816	413.30	767.3	
14	939	93.99	151.6	
15	1,010	75.30	112.9	
16	1,291	211.21	247.9	
17	1,529	129.50	128.3	
18	1,665	99.19	90.3	
19	2,326	28.32	18.4	
20	10,380	75.00	10.9	Upper Marker

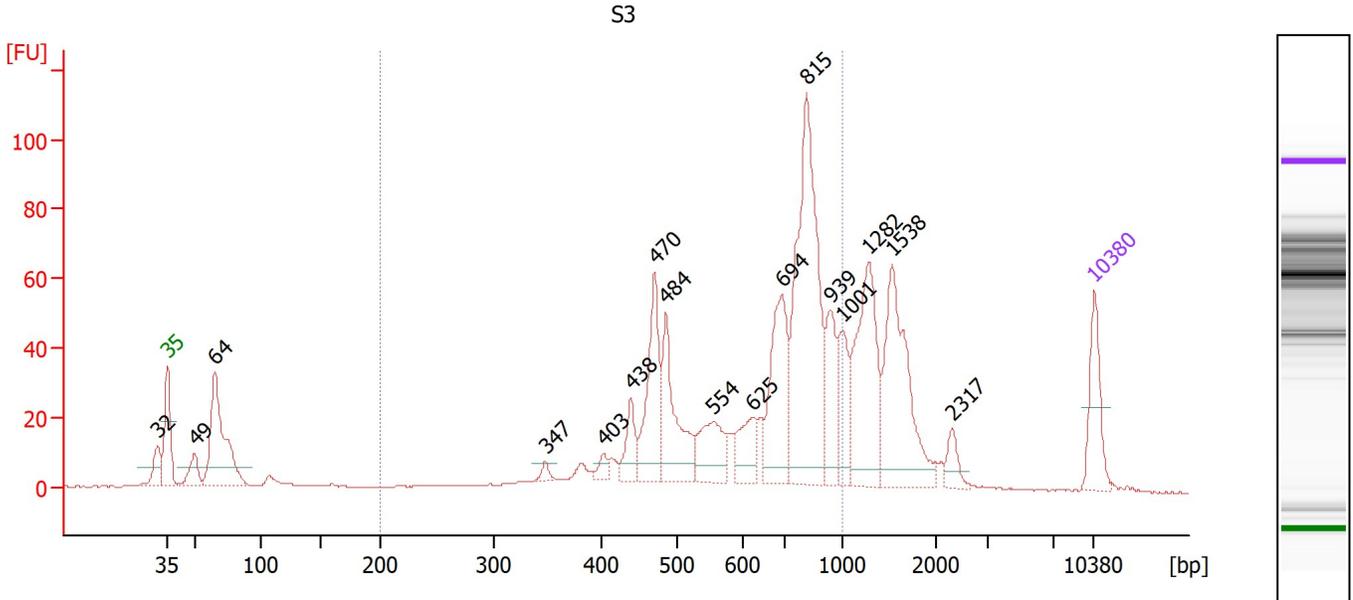
**Region table for sample 1 : S2**

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	761.8	67	645	28.9	1,706.42	4,591.8	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...yzer\2100 expert\data\2026-01-23\10XSC0438 BATCH-2 cDNA.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : **S3**

Number of peaks found: 17      Corr. Area 1: 692.3  
 Noise: 0.1

Peak table for sample 2 : **S3**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	32	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	49	48.29	1,481.6	
4	64	257.87	6,082.7	
5	347	11.23	49.0	
6	403	17.90	67.4	
7	438	55.33	191.3	
8	470	162.06	522.9	
9	484	157.98	494.4	
10	554	92.08	251.7	
11	625	66.62	161.6	
12	694	188.99	412.4	
13	815	447.02	830.9	
14	939	93.19	150.4	
15	1,001	74.98	113.5	
16	1,282	215.11	254.1	
17	1,538	229.09	225.6	
18	2,317	26.71	17.5	
19	10,380	75.00	10.9	Upper Marker

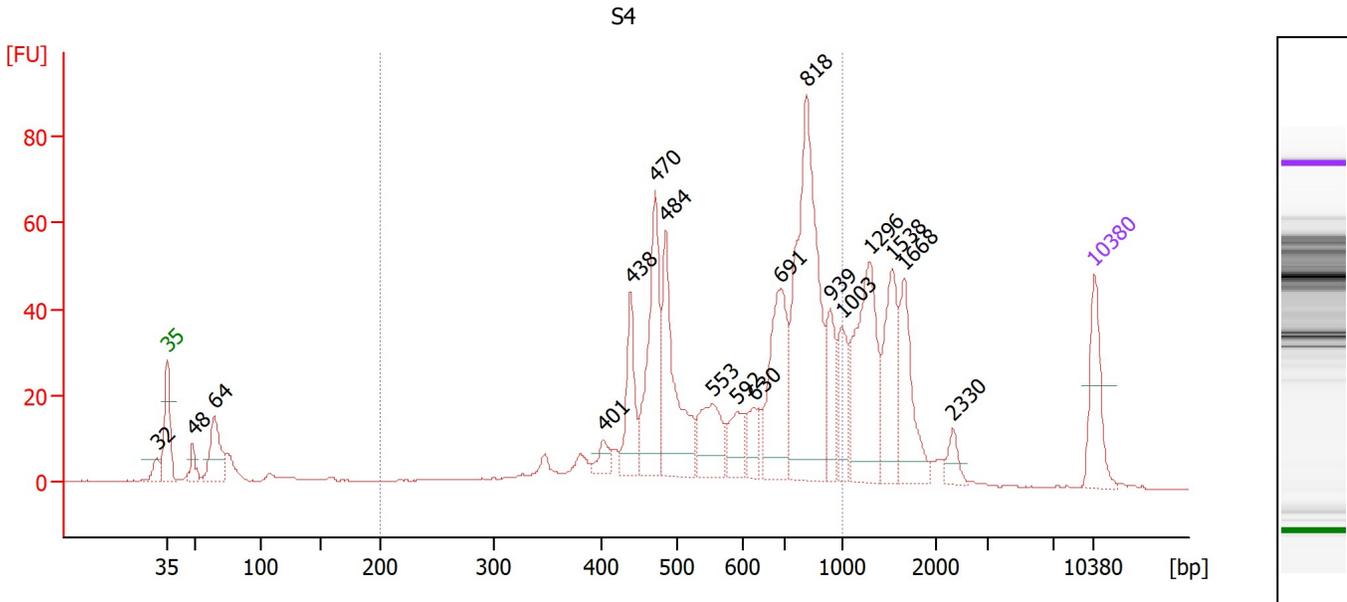
Region table for sample 2 : **S3**

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	692.3	62	665	27.5	1,579.01	4,079.9	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...yzer\2100 expert\data\2026-01-23\10XSC0438 BATCH-2 cDNA.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : S4**

Number of peaks found: 18                      Corr. Area 1: 640.7  
 Noise: 0.1

**Peak table for sample 3 : S4**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	32	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	48	27.23	854.6	
4	64	96.48	2,282.0	
5	401	23.72	89.6	
6	438	95.55	330.4	
7	470	192.74	621.4	
8	484	191.21	599.0	
9	553	93.75	256.7	
10	592	49.65	127.0	
11	630	37.48	90.1	
12	691	172.23	377.6	
13	818	387.80	718.4	
14	939	70.54	113.8	
15	1,003	63.15	95.4	
16	1,296	192.82	225.4	
17	1,538	109.50	107.9	
18	1,668	102.30	92.9	
19	2,330	21.63	14.1	
20	10,380	75.00	10.9	Upper Marker

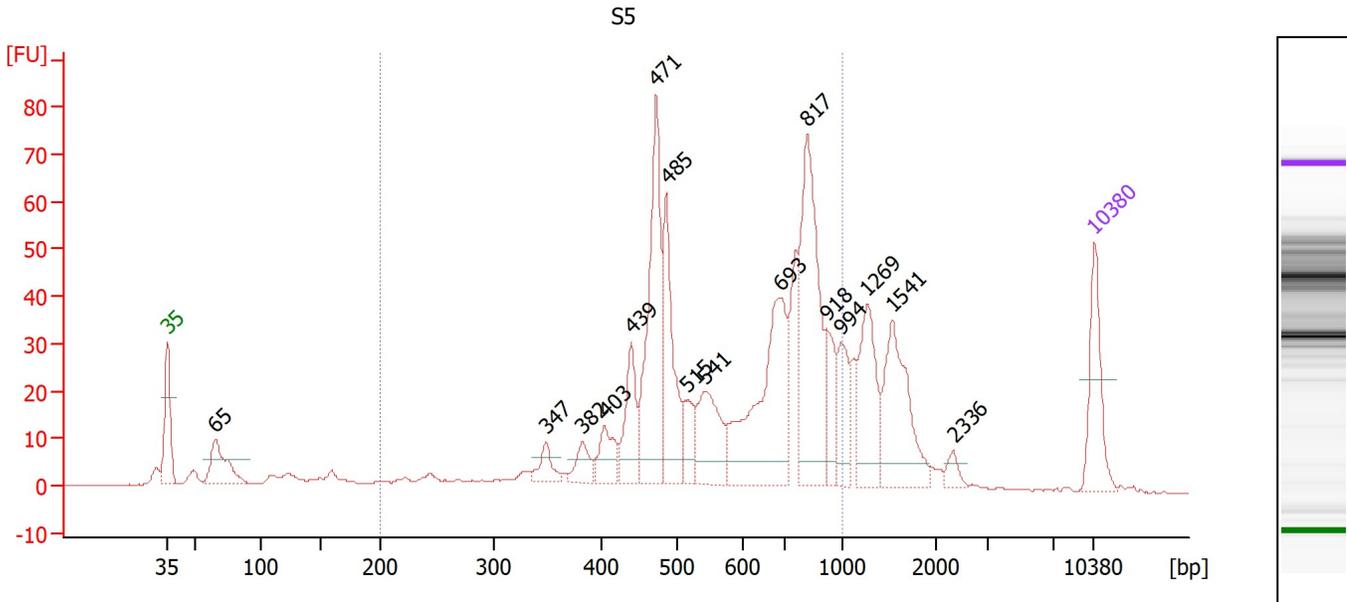
**Region table for sample 3 : S4**

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	640.7	67	639	28.7	1,612.17	4,349.9	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...yzer\2100 expert\data\2026-01-23\10XSC0438 BATCH-2 cDNA.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : **S5**

Number of peaks found: 16      Corr. Area 1: 650.0  
 Noise: 0.1

Peak table for sample 4 : **S5**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	65	88.50	2,076.2	
3	347	30.33	132.3	
4	382	31.71	125.9	
5	403	47.65	179.1	
6	439	80.94	279.6	
7	471	239.50	770.5	
8	485	152.43	476.3	
9	515	40.51	119.1	
10	541	102.74	287.9	
11	693	251.57	549.7	
12	817	261.55	485.2	
13	918	57.79	95.4	
14	994	58.38	88.9	
15	1,269	109.09	130.3	
16	1,541	134.29	132.1	
17	2,336	13.61	8.8	
18	10,380	75.00	10.9	Upper Marker

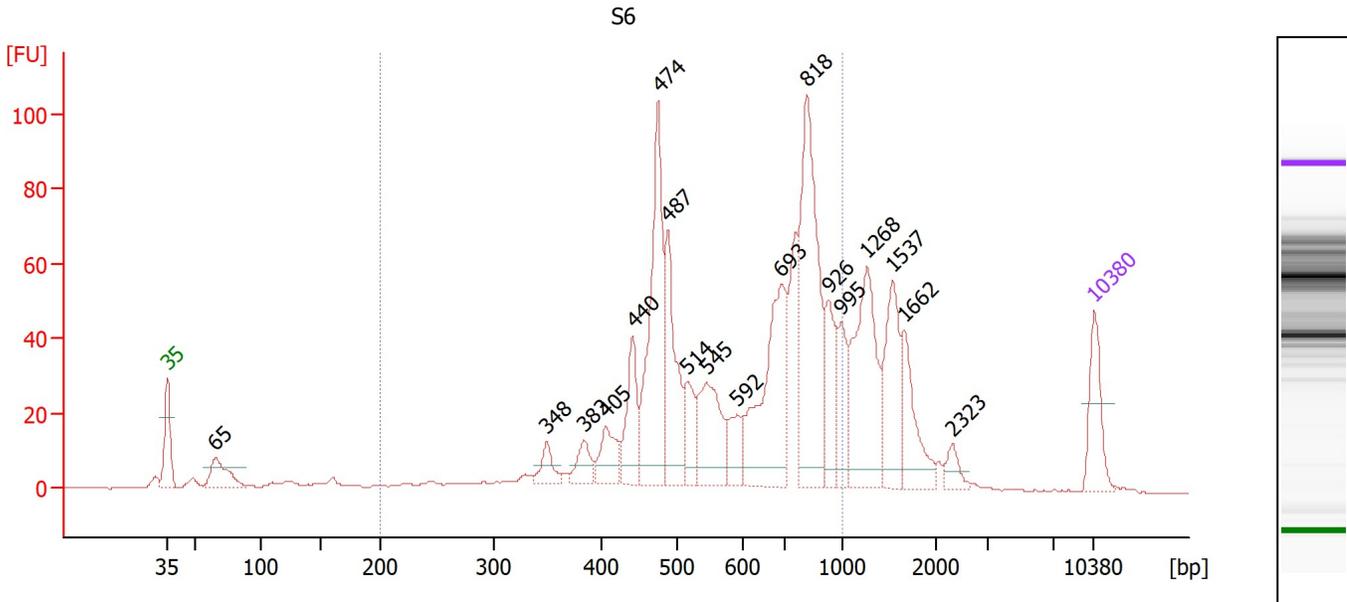
Region table for sample 4 : **S5**

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	650.0	72	614	30.1	1,568.35	4,465.6	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...yzer\2100 expert\data\2026-01-23\10XSC0438 BATCH-2 cDNA.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : **S6**

Number of peaks found: 18      Corr. Area 1: 854.4  
 Noise: 0.1

Peak table for sample 5 : **S6**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	65	81.14	1,898.3	
3	348	38.40	167.0	
4	383	44.90	177.4	
5	405	69.19	258.8	
6	440	107.98	371.5	
7	474	335.97	1,072.9	
8	487	184.58	574.8	
9	514	71.16	209.8	
10	545	149.55	415.6	
11	592	57.39	146.9	
12	693	288.00	630.0	
13	818	377.19	698.8	
14	926	100.81	165.0	
15	995	80.35	122.3	
16	1,268	229.10	273.8	
17	1,537	135.26	133.4	
18	1,662	98.79	90.1	
19	2,323	23.20	15.1	
20	10,380	75.00	10.9	Upper Marker

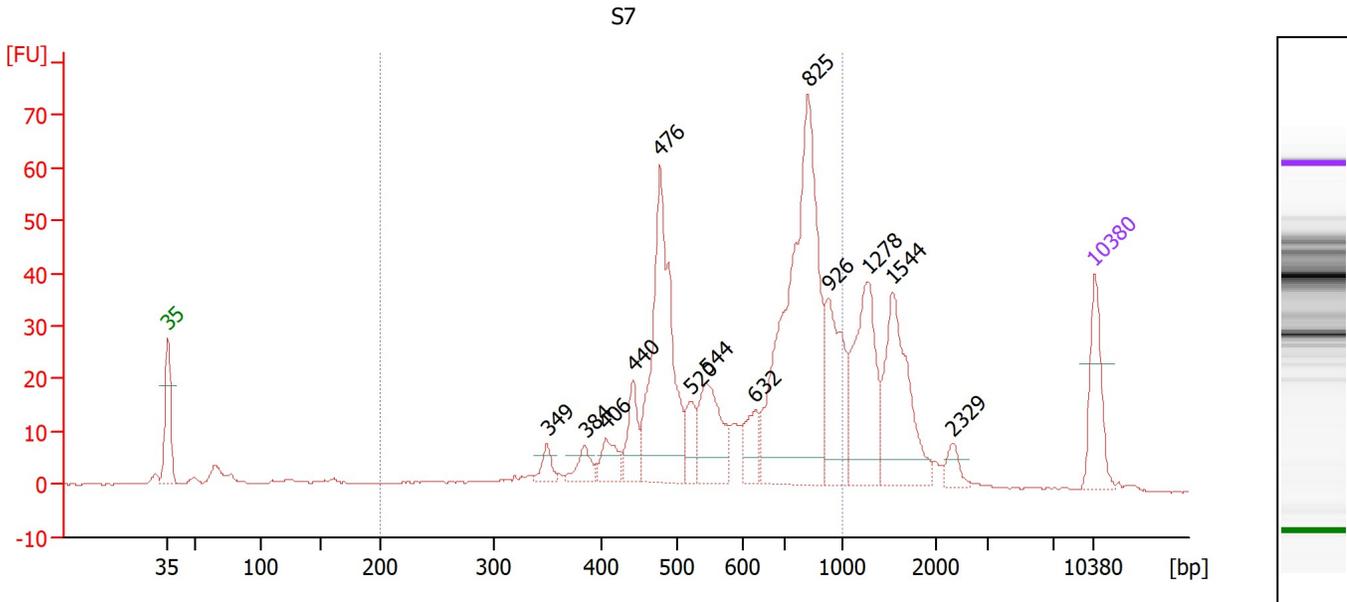
Region table for sample 5 : **S6**

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	854.4	72	625	29.4	2,197.55	6,094.0	Blue

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 Data Path: C:\...yzer\2100 expert\data\2026-01-23\10XSC0438 BATCH-2 cDNA.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : S7**

Number of peaks found: 13                      Corr. Area 1: 526.1  
 Noise: 0.1

**Peak table for sample 6 : S7**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	349	24.53	106.5	
3	384	31.69	125.0	
4	406	43.28	161.7	
5	440	60.94	209.7	
6	476	344.41	1,095.5	
7	520	44.65	130.1	
8	544	118.93	331.4	
9	632	49.31	118.3	
10	825	542.60	996.8	
11	926	145.24	237.5	
12	1,278	176.71	209.5	
13	1,544	174.61	171.4	
14	2,329	19.53	12.7	
15	10,380	75.00	10.9	Upper Marker

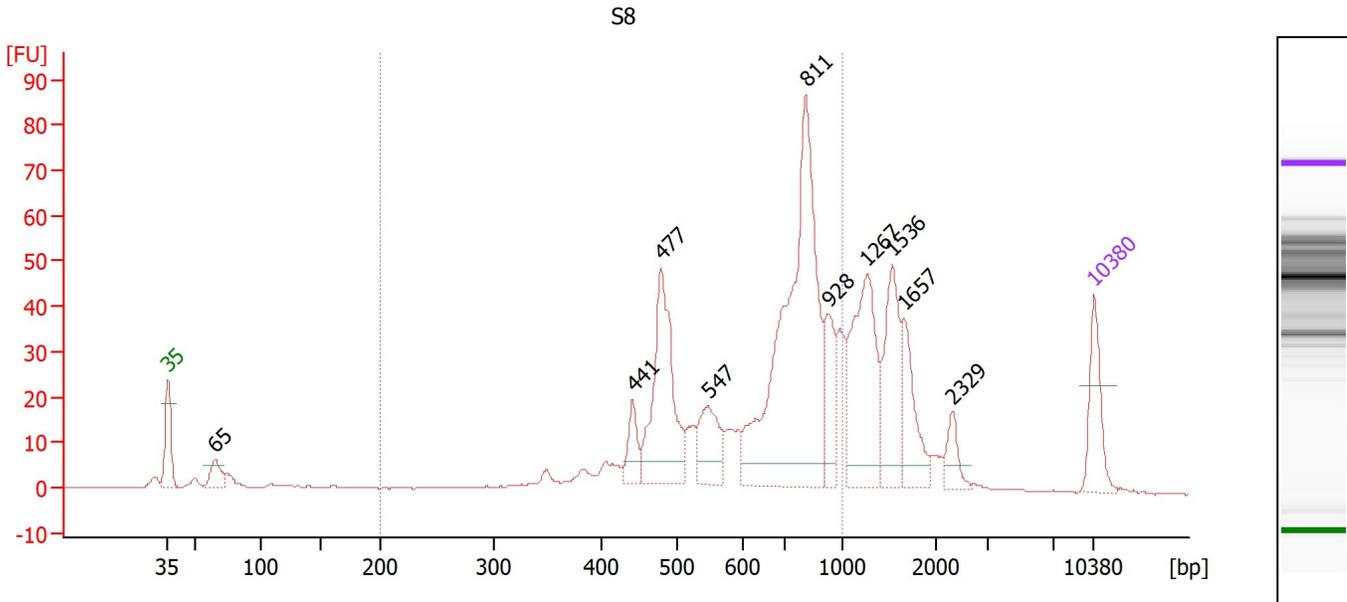
**Region table for sample 6 : S7**

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	526.1	72	642	29.0	1,574.75	4,251.3	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...yzer\2100 expert\data\2026-01-23\10XSC0438 BATCH-2 cDNA.xad

Created: 1/23/2026 10:18:54 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : S8**

Number of peaks found: 10                      Corr. Area 1: 503.4  
 Noise: 0.1

**Peak table for sample 7 : S8**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	65	45.20	1,058.6	
3	441	50.66	174.1	
4	477	266.31	845.2	
5	547	96.35	266.8	
6	811	634.83	1,185.6	
7	928	91.33	149.2	
8	1,267	231.95	277.3	
9	1,536	138.45	136.6	
10	1,657	92.24	84.4	
11	2,329	33.86	22.0	
12	10,380	75.00	10.9	Upper Marker

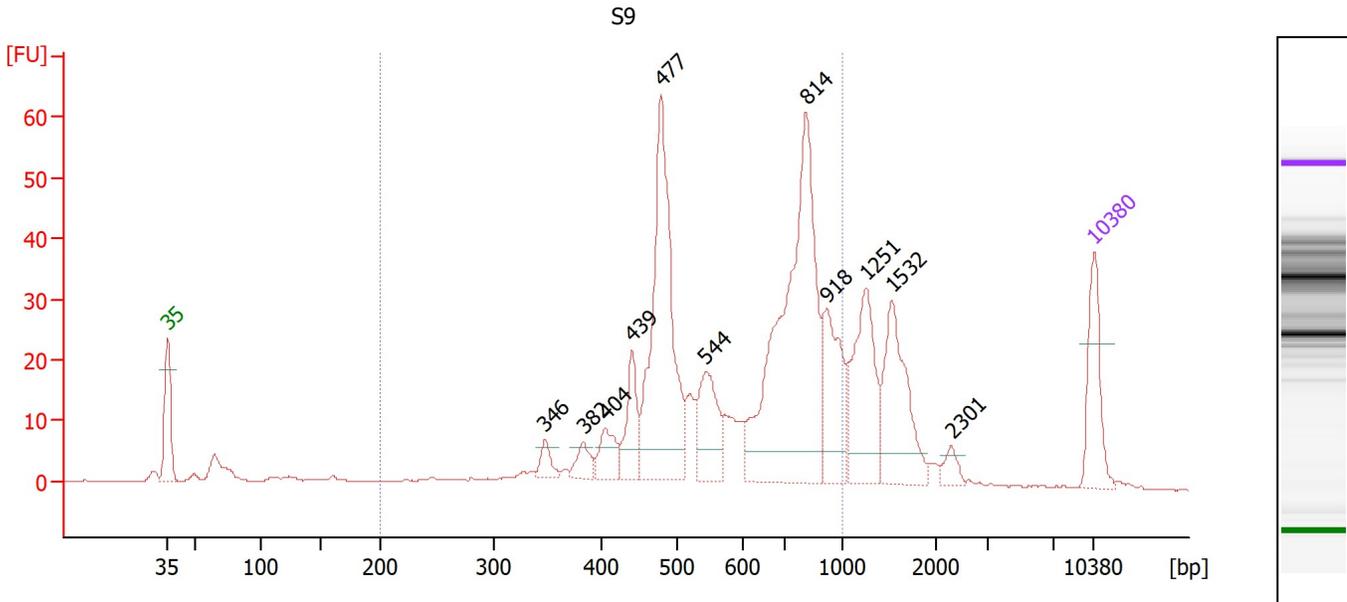
**Region table for sample 7 : S8**

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	503.4	65	669	26.5	1,445.02	3,655.8	Blue

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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : S9**

Number of peaks found: 11                      Corr. Area 1: 478.7  
 Noise: 0.1

**Peak table for sample 8 : S9**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	346	23.72	103.7	
3	382	27.90	110.6	
4	404	44.10	165.5	
5	439	70.42	242.9	
6	477	367.82	1,167.8	
7	544	99.28	276.6	
8	814	489.37	911.0	
9	918	125.77	207.6	
10	1,251	144.43	174.9	
11	1,532	137.67	136.1	
12	2,301	15.42	10.2	
13	10,380	75.00	10.9	Upper Marker

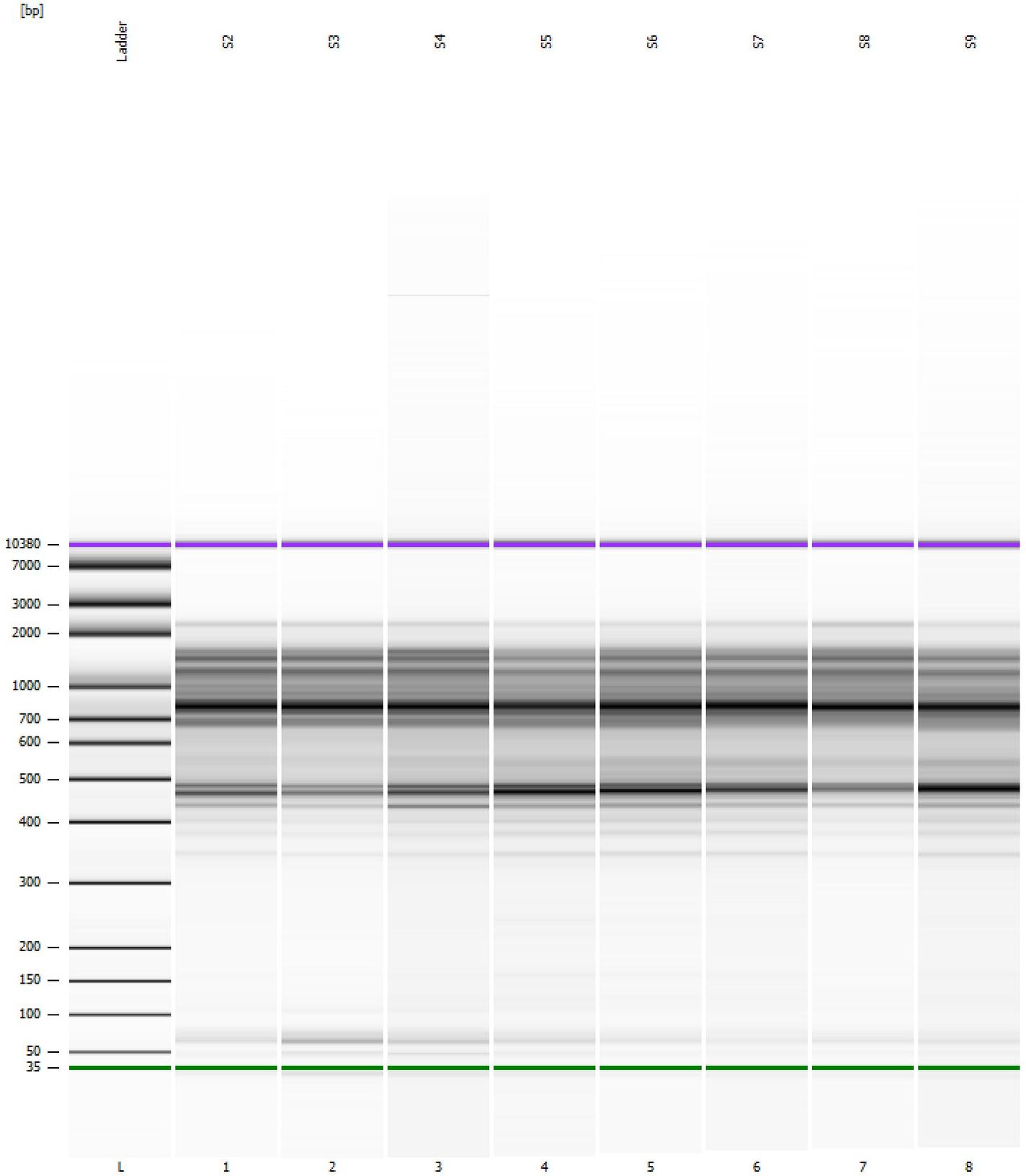
**Region table for sample 8 : S9**

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	478.7	74	624	29.0	1,460.21	4,017.6	Blue

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...yzer\2100 expert\data\2026-01-23\10XSC0438 BATCH-2 cDNA.xad

Created: 1/23/2026 10:18:54 AM  
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Gel Image



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...yzer\2100 expert\data\2026-01-23\10XSC0438 BATCH-2 cDNA.xad

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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		1/23/2026 11:00:12 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\2026-01-23\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2026-01-23_001.xad)		Instrument	Run		1/23/2026 10:19:00 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		1/23/2026 10:19:00 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		1/23/2026 10:19:00 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		1/23/2026 10:19:00 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		1/23/2026 10:19:00 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		1/23/2026 10:19:00 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		1/23/2026 10:19:00 AM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB