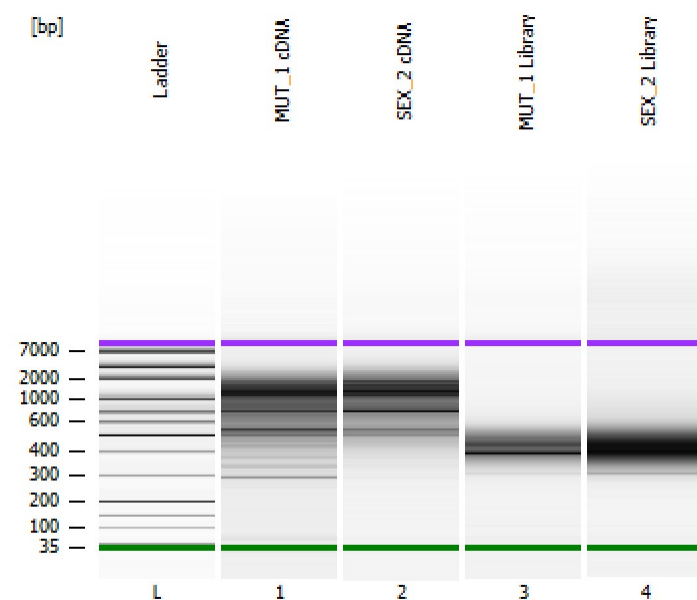


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\2100 expert\data\2026-01-16\10XSC0446 cDNA & Libraries.xad

Created: 1/16/2026 1:23:50 PM
Modified: 1/16/2026 2:50:10 PM

Electrophoresis File Run Summary



Instrument Information:

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

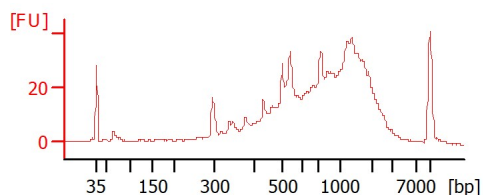
Assay Information:

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

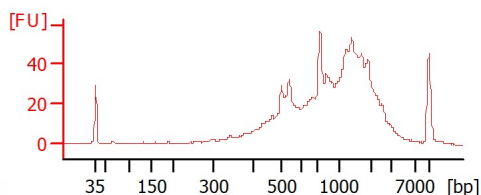
Chip Information:

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

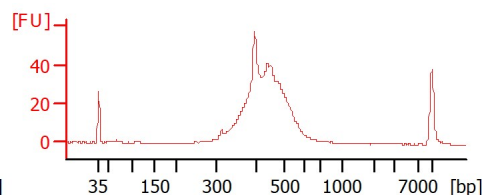
MUT_1 cDNA



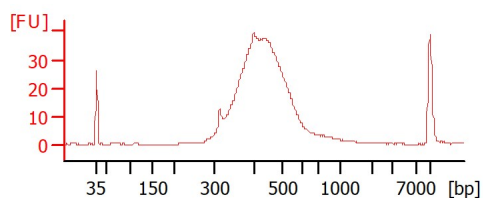
SEX_2 cDNA



MUT_1 Library



SEX_2 Library



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\2100 expert\data\2026-01-16\10XSC0446 cDNA & Libraries.xad

Created: 1/16/2026 1:23:50 PM
Modified: 1/16/2026 2:50:10 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
MUT_1 cDNA		☐	✓			
SEX_2 cDNA		☐	✓			
MUT_1 Library		☐	✓			
SEX_2 Library		☐	✓			
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\2100 expert\data\2026-01-16\10XSC0446 cDNA & Libraries.xad

Created: 1/16/2026 1:23:50 PM
Modified: 1/16/2026 2:50:10 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/ 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

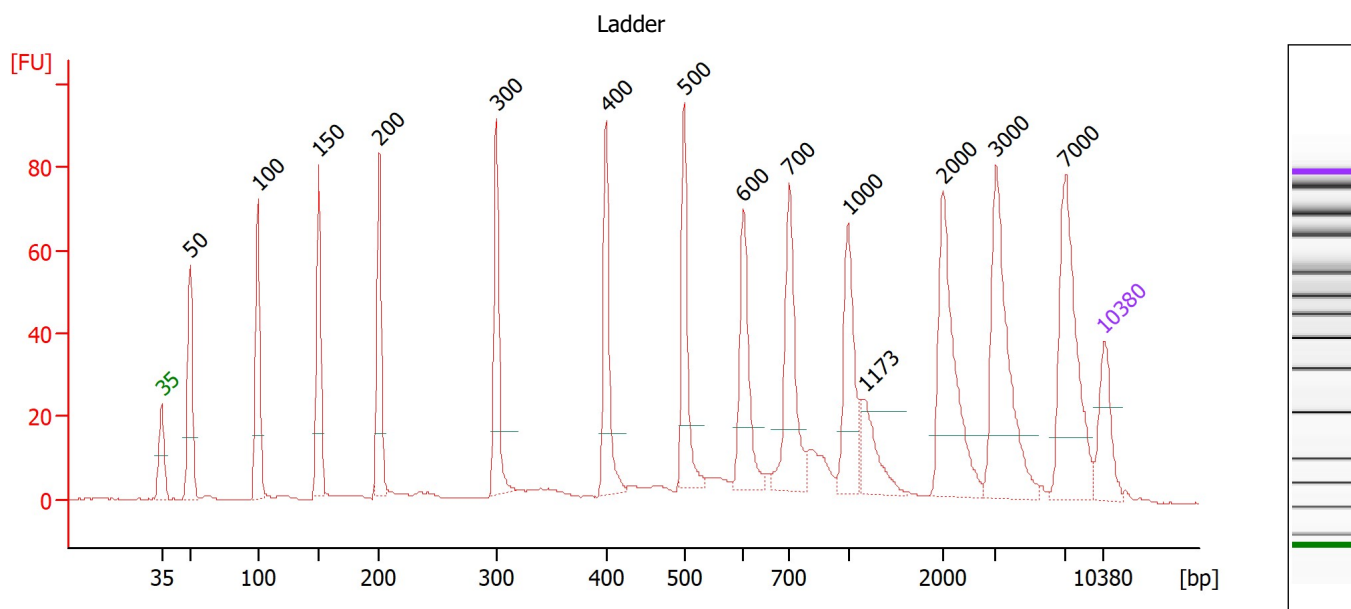
Ladder

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\2100 expert\data\2026-01-16\10XSC0446 cDNA & Libraries.xad

Created: 1/16/2026 1:23:50 PM
Modified: 1/16/2026 2:50:10 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

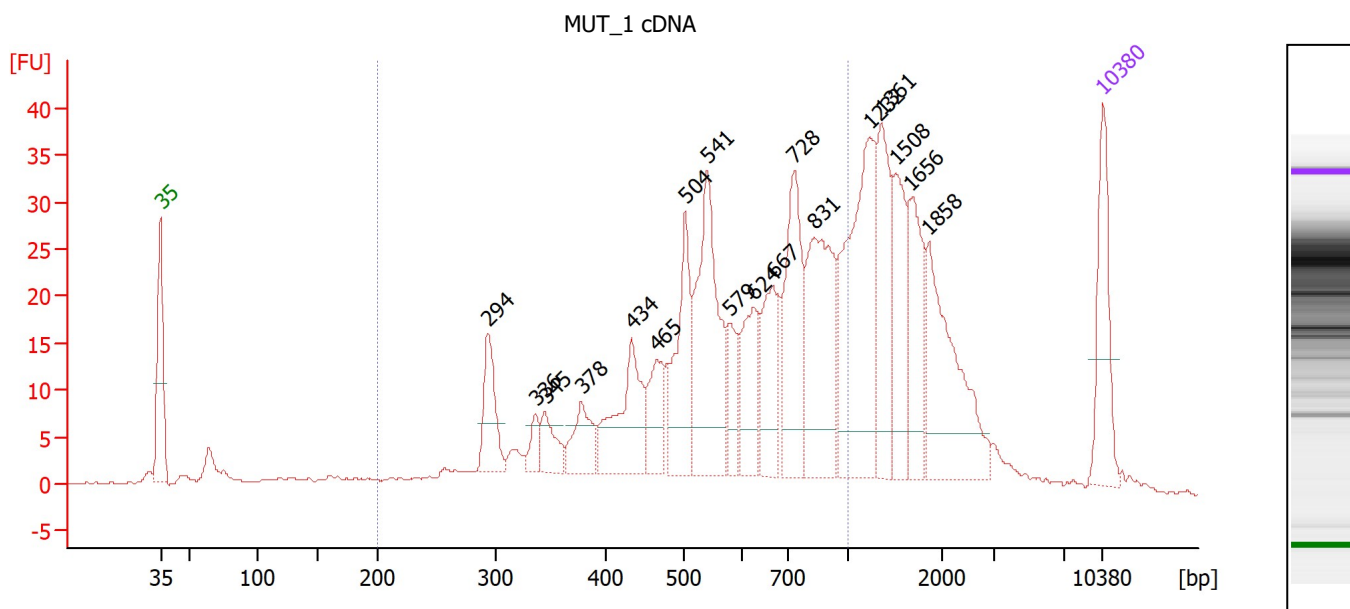
Peak table for Ladder

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	1,173	0.00	0.0	
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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\2100 expert\data\2026-01-16\10XSC0446 cDNA & Libraries.xad

Created: 1/16/2026 1:23:50 PM
 Modified: 1/16/2026 2:50:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : MUT_1 cDNA

Number of peaks found: 18 Corr. Area 1: 471.1
 Noise: 0.2

Peak table for sample 1 : MUT_1 cDNA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	294	68.81	354.5	
3	336	19.53	88.0	
4	345	33.92	148.9	
5	378	46.65	186.8	
6	434	108.11	377.4	
7	465	50.20	163.5	
8	504	114.24	343.4	
9	541	184.70	517.5	
10	579	42.03	110.0	
11	624	74.38	180.7	
12	667	84.55	192.1	
13	728	140.24	291.7	
14	831	164.89	300.6	
15	1,232	210.09	258.4	
16	1,361	106.11	118.1	
17	1,508	81.94	82.3	
18	1,656	79.64	72.9	
19	1,858	142.76	116.4	
20	10,380	75.00	10.9	Upper Marker

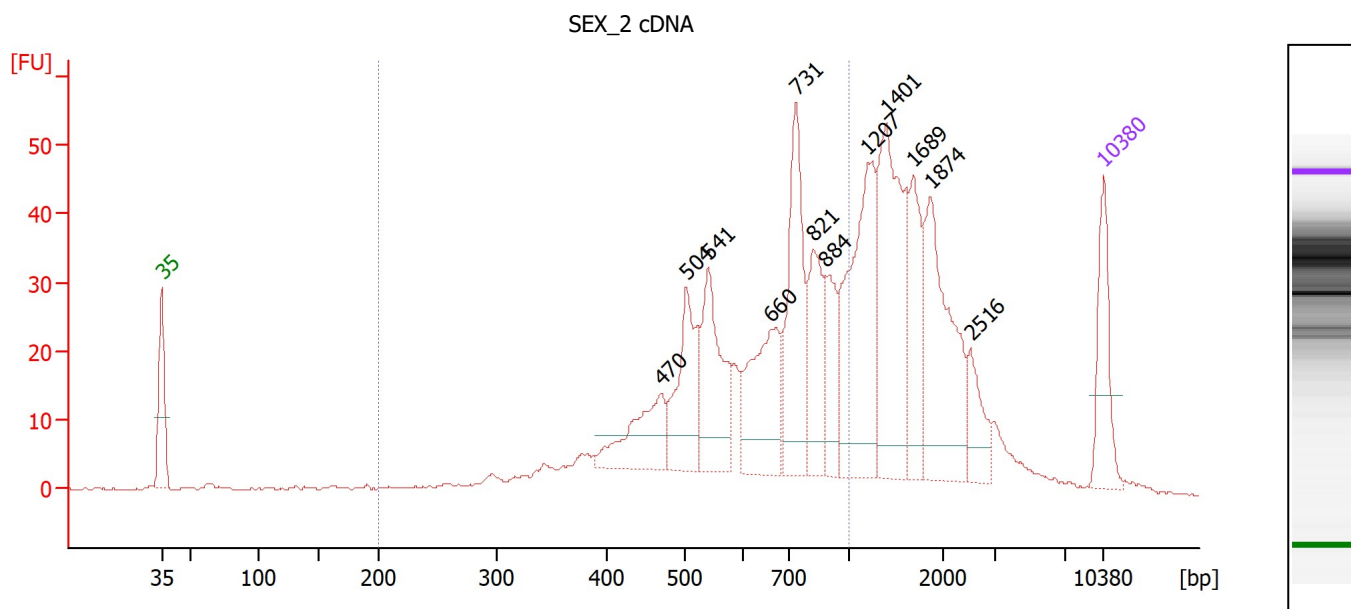
Region table for sample 1 : MUT_1 cDNA

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	471.1	61	593	32.1	1,477.14	4,460.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\2100 expert\data\2026-01-16\10XSC0446 cDNA & Libraries.xad

Created: 1/16/2026 1:23:50 PM
 Modified: 1/16/2026 2:50:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : SEX_2 cDNA

Number of peaks found: 12 Corr. Area 1: 476.0
 Noise: 0.2

Peak table for sample 2 : SEX_2 cDNA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	470	109.25	351.8	
3	504	140.11	421.3	
4	541	149.32	418.3	
5	660	154.51	354.5	
6	731	195.79	405.6	
7	821	107.60	198.5	
8	884	71.83	123.1	
9	1,207	238.01	298.8	
10	1,401	240.72	260.3	
11	1,689	102.31	91.8	
12	1,874	187.05	151.2	
13	2,516	48.29	29.1	
14	10,380	75.00	10.9	Upper Marker

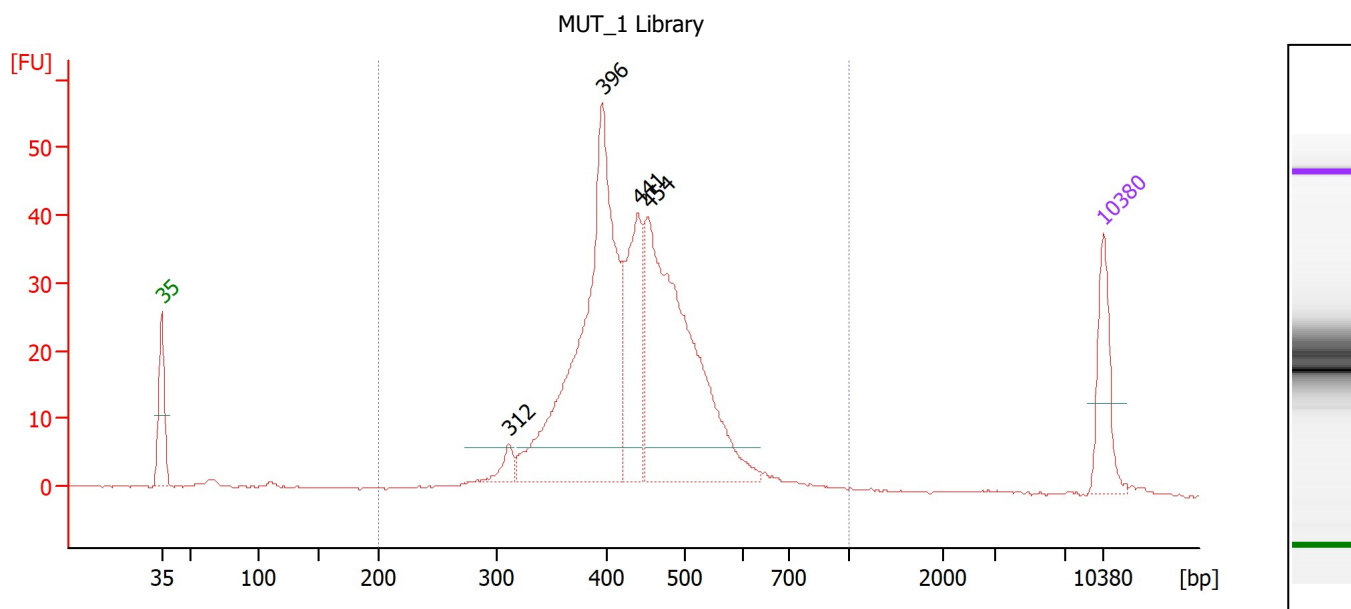
Region table for sample 2 : SEX_2 cDNA

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	476.0	54	634	28.3	1,355.84	3,685.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\2100 expert\data\2026-01-16\10XSC0446 cDNA & Libraries.xad

Created: 1/16/2026 1:23:50 PM
 Modified: 1/16/2026 2:50:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : MUT_1 Library

Number of peaks found: 4 Corr. Area 1: 496.1
 Noise: 0.1

Peak table for sample 3 : MUT_1 Library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	312	25.04	121.7	
3	396	618.11	2,363.7	
4	441	192.35	660.1	
5	454	549.74	1,834.5	
6	10,380	75.00	10.9	Upper Marker

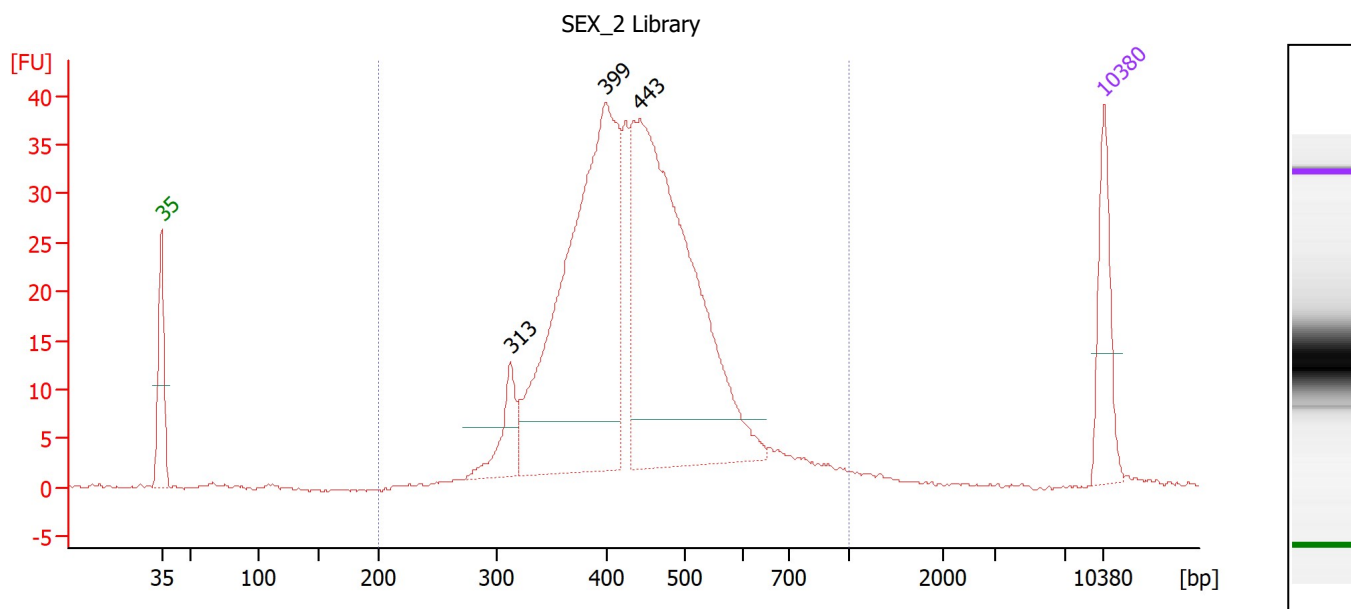
Region table for sample 3 : MUT_1 Library

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	496.1	93	443	19.6	1,604.45	5,728.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\2100 expert\data\2026-01-16\10XSC0446 cDNA & Libraries.xad

Created: 1/16/2026 1:23:50 PM
 Modified: 1/16/2026 2:50:10 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : SEX_2 Library

Number of peaks found: 3 Corr. Area 1: 551.0
 Noise: 0.2

Peak table for sample 4 : SEX_2 Library

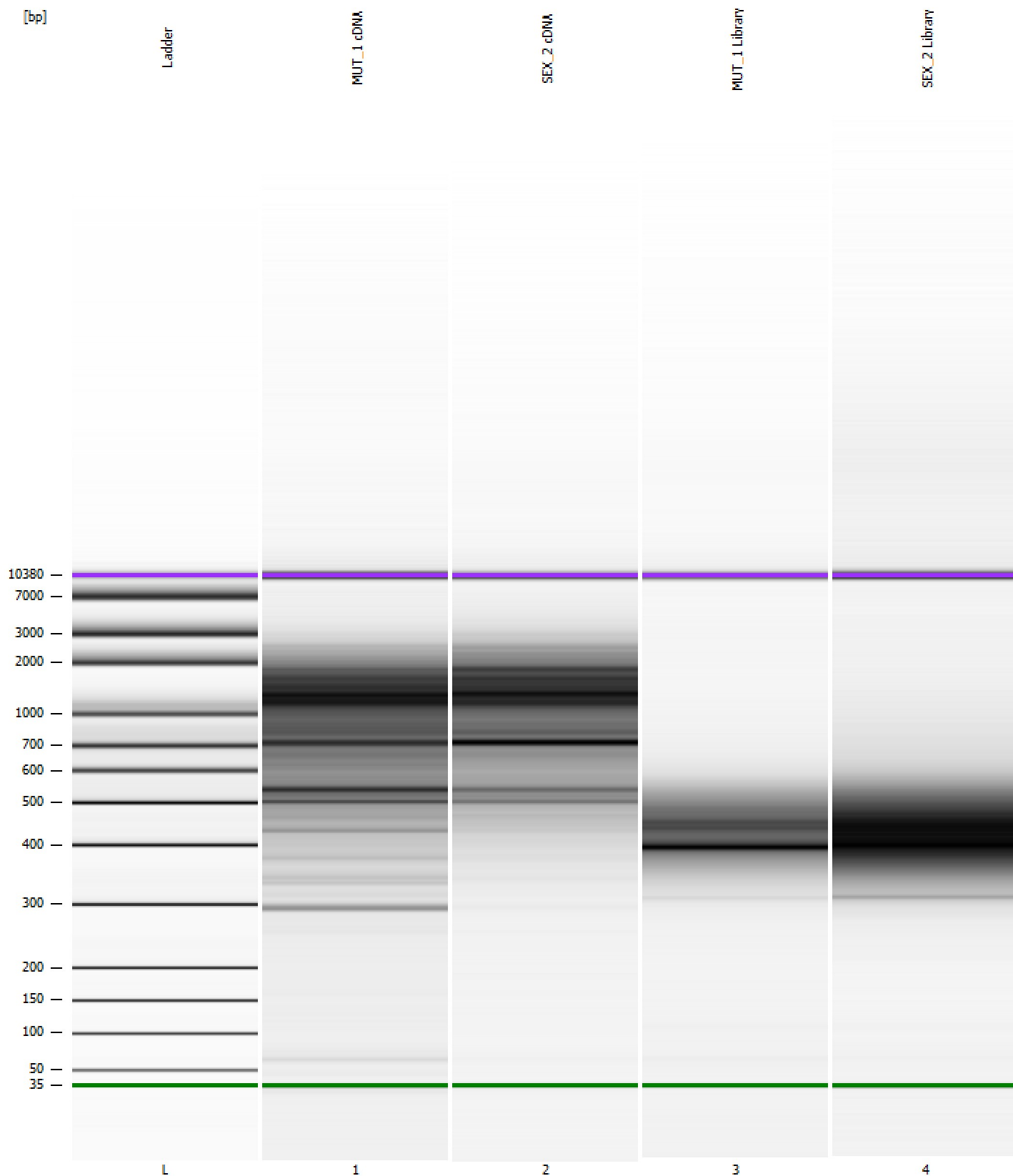
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	313	69.21	335.5	
3	399	659.23	2,504.0	
4	443	689.00	2,357.4	
5	10,380	75.00	10.9	Upper Marker

Region table for sample 4 : SEX_2 Library

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	551.0	88	448	23.7	1,819.39	6,541.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\2100 expert\data\2026-01-16\10XSC0446 cDNA & Libraries.xad

Created: 1/16/2026 1:23:50 PM
Modified: 1/16/2026 2:50:10 PM

Gel Image

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\2100 expert\data\2026-01-16\10XSC0446 cDNA & Libraries.xad

Created: 1/16/2026 1:23:50 PM
 Modified: 1/16/2026 2:50:10 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		1/16/2026 2:05:49 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\2026-01-16\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2026-01-16_001.xad)		Instrument	Run		1/16/2026 1:24:31 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		1/16/2026 1:24:31 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		1/16/2026 1:24:31 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		1/16/2026 1:24:31 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		1/16/2026 1:24:31 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		1/16/2026 1:24:31 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		1/16/2026 1:24:31 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB