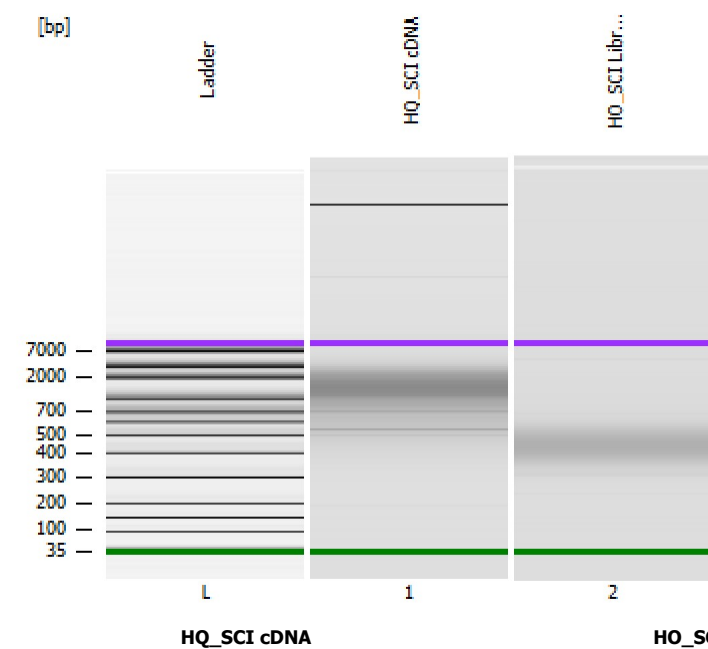


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...er\2100 expert\data\2025-09-25\10XSC0440 cDNA & Library.xad

Created: 9/25/2025 1:07:23 PM  
Modified: 9/25/2025 1:52:03 PM

### Electrophoresis File Run Summary



#### Instrument Information:

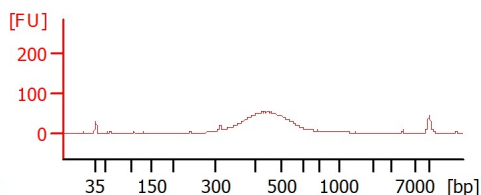
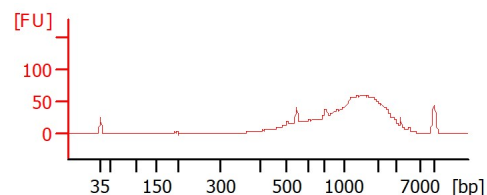
Instrument Name: DE34903152 Firmware: C.01.069  
Serial#: DE34903152 Type: G2938C

#### 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:



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...er\2100 expert\data\2025-09-25\10XSC0440 cDNA & Library.xad

Created: 9/25/2025 1:07:23 PM  
Modified: 9/25/2025 1:52:03 PM

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

| Sample Name    | Sample<br>Comment | Rest.<br>Digest          | Statu<br>s | Observation | Result Label | Result Color |
|----------------|-------------------|--------------------------|------------|-------------|--------------|--------------|
| HQ_SCI cDNA    |                   | <input type="checkbox"/> | ✓          |             |              |              |
| HO_SCI Library |                   | <input type="checkbox"/> | ✓          |             |              |              |
| Ladder         |                   | <input type="checkbox"/> | ✓          |             |              |              |

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

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...er\2100 expert\data\2025-09-25\10XSC0440 cDNA & Library.xad

Created: 9/25/2025 1:07:23 PM  
Modified: 9/25/2025 1:52:03 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

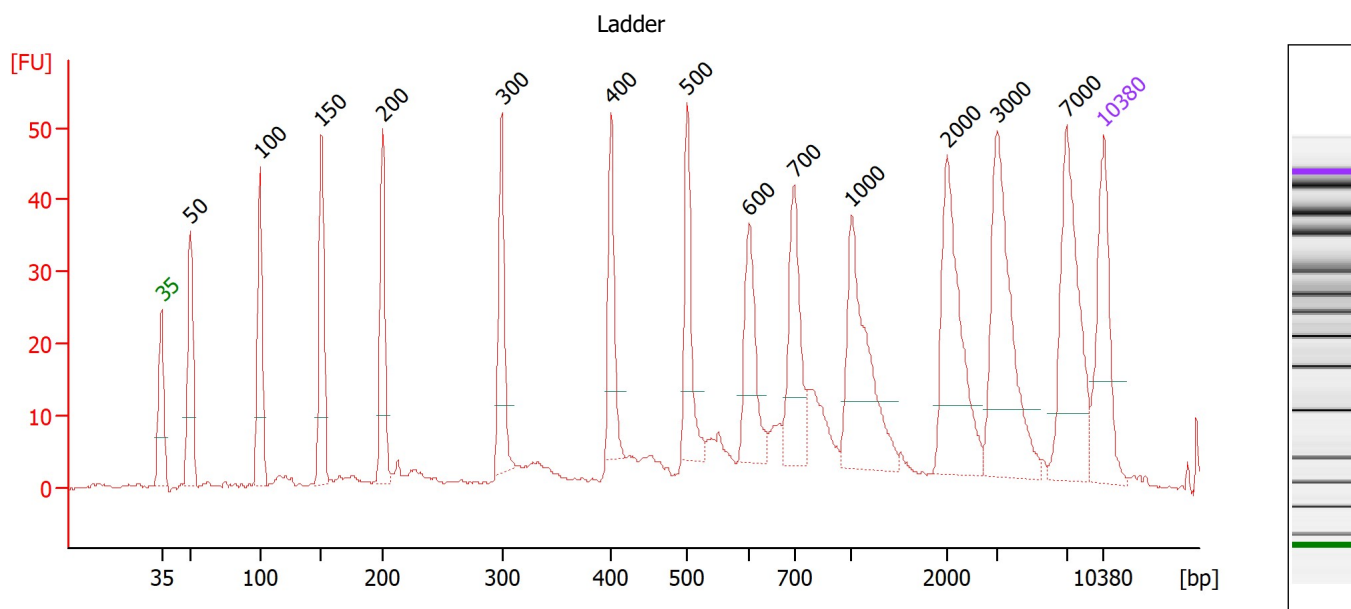
### Ladder

| 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:\...er\2100 expert\data\2025-09-25\10XSC0440 cDNA & Library.xad

Created: 9/25/2025 1:07:23 PM  
 Modified: 9/25/2025 1:52:03 PM

### Electropherogram Summary



### Overall Results for Ladder

Noise: 0.1

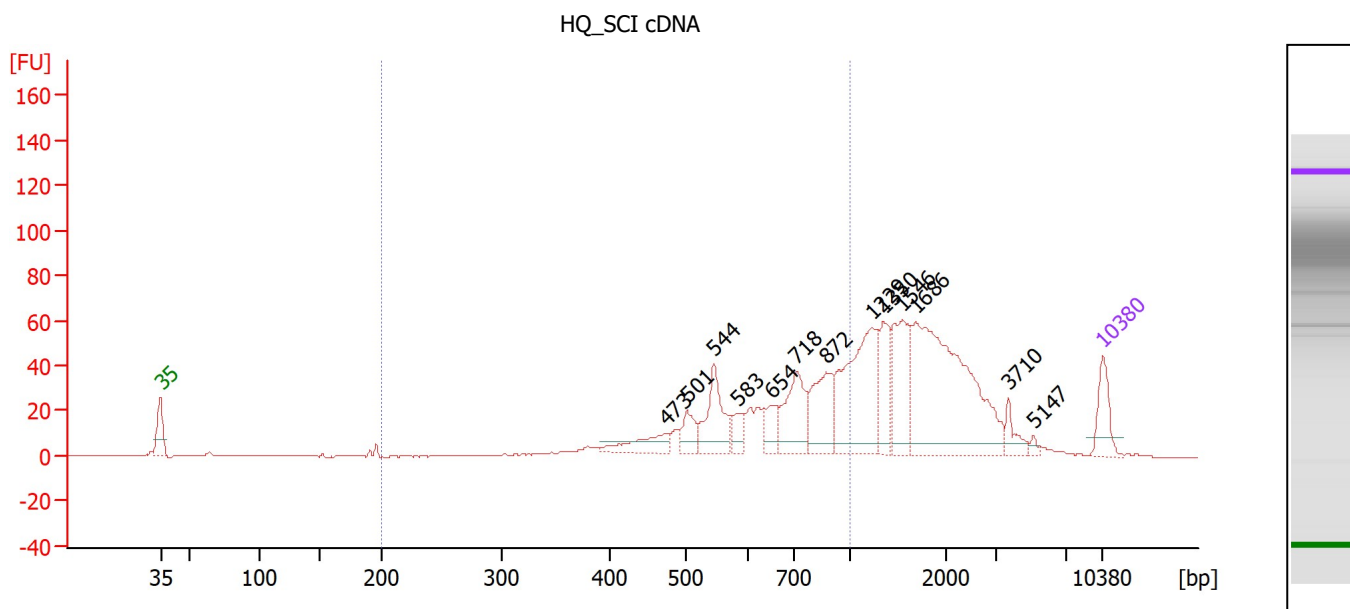
### Peak table for Ladder

| 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:\...er\2100 expert\data\2025-09-25\10XSC0440 cDNA & Library.xad

Created: 9/25/2025 1:07:23 PM  
 Modified: 9/25/2025 1:52:03 PM

### Electropherogram Summary Continued ...



### Overall Results for sample 1 : HQ\_SCI cDNA

Number of peaks found: 13      Corr. Area 1: 428.3  
 Noise: 0.2

### Peak table for sample 1 : HQ\_SCI cDNA

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 473       | 88.39         | 283.3             |              |
| 3    | 501       | 64.16         | 194.1             |              |
| 4    | 544       | 163.45        | 455.0             |              |
| 5    | 583       | 48.23         | 125.3             |              |
| 6    | 654       | 65.57         | 151.9             |              |
| 7    | 718       | 176.88        | 373.4             |              |
| 8    | 872       | 163.49        | 284.2             |              |
| 9    | 1,229     | 352.40        | 434.6             |              |
| 10   | 1,350     | 115.20        | 129.3             |              |
| 11   | 1,546     | 190.65        | 186.9             |              |
| 12   | 1,686     | 616.07        | 553.7             |              |
| 13   | 3,710     | 42.79         | 17.5              |              |
| 14   | 5,147     | 10.69         | 3.1               |              |
| 15   | 10,380    | 75.00         | 10.9              | Upper Marker |

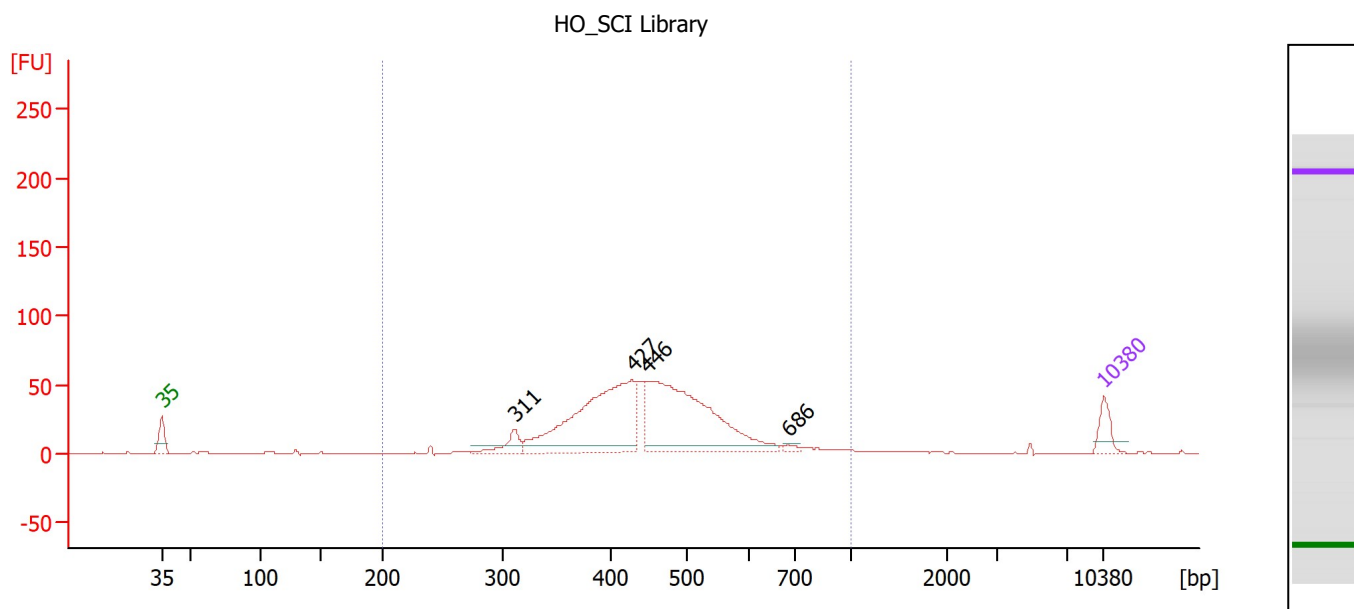
### Region table for sample 1 : HQ\_SCI cDNA

| 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   | 428.3      | 41         | 662               | 27.0                        | 1,234.33      | 3,159.1           | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...er\2100 expert\data\2025-09-25\10XSC0440 cDNA & Library.xad

Created: 9/25/2025 1:07:23 PM  
 Modified: 9/25/2025 1:52:03 PM

### Electropherogram Summary Continued ...



### Overall Results for sample 2 : HO\_SCI Library

Number of peaks found: 4      Corr. Area 1: 764.2  
 Noise: 0.2

### Peak table for sample 2 : HO\_SCI Library

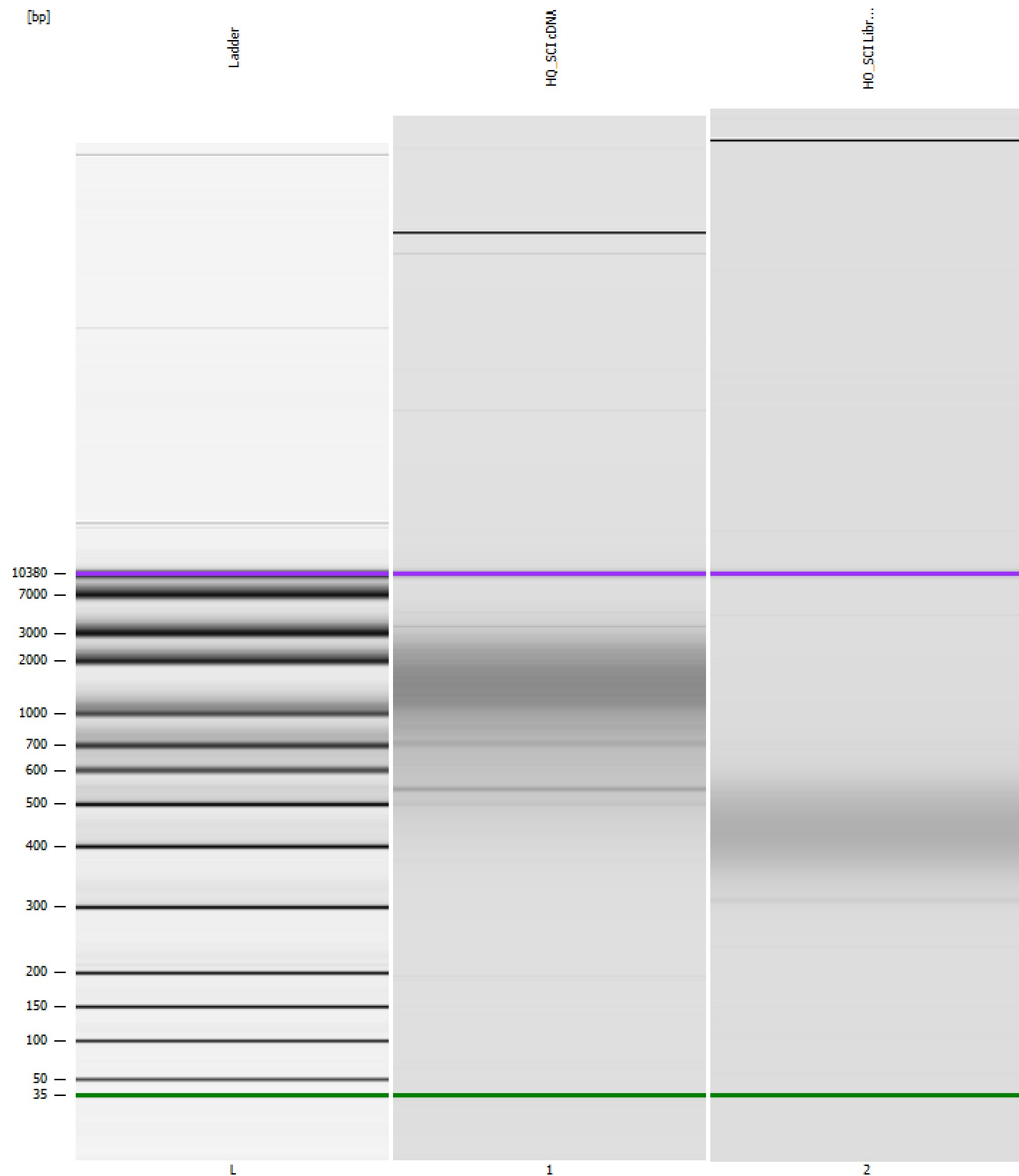
| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 311       | 105.94        | 515.3             |              |
| 3    | 427       | 981.84        | 3,482.0           |              |
| 4    | 446       | 1,075.58      | 3,653.7           |              |
| 5    | 686       | 15.58         | 34.4              |              |
| 6    | 10,380    | 75.00         | 10.9              | Upper Marker |

### Region table for sample 2 : HO\_SCI 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   | 764.2      | 86         | 457               | 22.8                        | 2,533.21      | 8,918.7           | Blue  |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...er\2100 expert\data\2025-09-25\10XSC0440 cDNA & Library.xad

Created: 9/25/2025 1:07:23 PM  
Modified: 9/25/2025 1:52:03 PM

**Gel Image**

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...er\2100 expert\data\2025-09-25\10XSC0440 cDNA & Library.xad

Created: 9/25/2025 1:07:23 PM  
 Modified: 9/25/2025 1:52:03 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      |              | 9/25/2025 1:47:51 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\2025-09-25\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-09-25_004.xad) |        | Instrument | Run      |              | 9/25/2025 1:07:29 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Product Number : G2938C                                                                                                                                                         |        | Instrument | Run      |              | 9/25/2025 1:07:29 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Name :                                                                                                                                                                          |        | Instrument | Run      |              | 9/25/2025 1:07:29 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Vendor : Agilent Technologies                                                                                                                                                   |        | Instrument | Run      |              | 9/25/2025 1:07:29 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Serial# : DE34903152                                                                                                                                                            |        | Instrument | Run      |              | 9/25/2025 1:07:29 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Firmware : C.01.069                                                                                                                                                             |        | Instrument | Run      |              | 9/25/2025 1:07:29 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Cartridge : Electrode                                                                                                                                                           |        | Instrument | Run      |              | 9/25/2025 1:07:29 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |