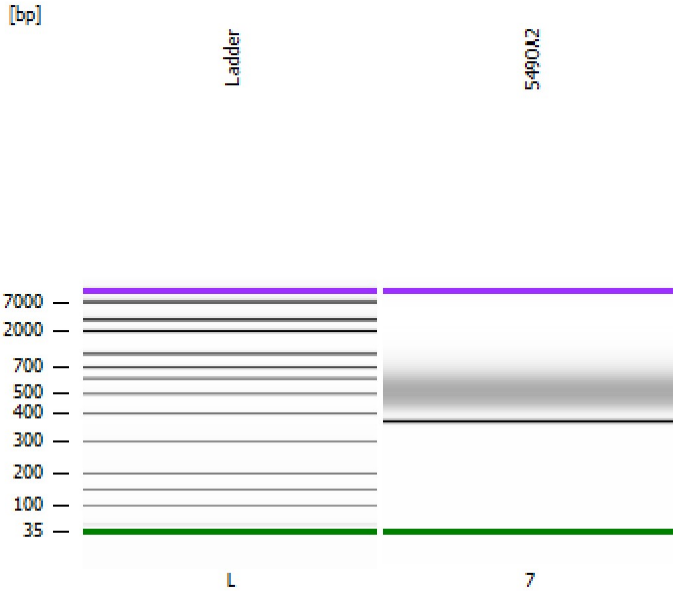


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2024-04-17\549AO2.xad

Created: 4/17/2024 10:10:34 AM  
Modified: 4/17/2024 10:54:58 AM

**Electrophoresis File Run Summary**



Instrument Information:

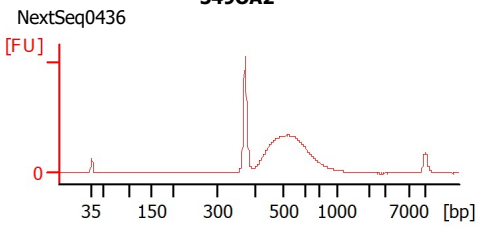
Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

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:



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2024-04-17\549AO2.xad

Created: 4/17/2024 10:10:34 AM  
Modified: 4/17/2024 10:54:58 AM

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

| Sample Name | Sample Comment | Rest. Digest             | Status | Observation | Result Label | Result Color |
|-------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| 549OA2      | NextSeq0436    | <input type="checkbox"/> | ✓      |             |              |              |
| Ladder      |                | <input type="checkbox"/> | ✓      |             |              |              |

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

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2024-04-17\549AO2.xad

Created: 4/17/2024 10:10:34 AM  
Modified: 4/17/2024 10:54:58 AM

## 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/ $\mu$ l] : 1950  
Uses Standard Area for Ladder Fragments  
Lower Marker Concentration [pg/ $\mu$ l] : 125  
Upper Marker Concentration [pg/ $\mu$ 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

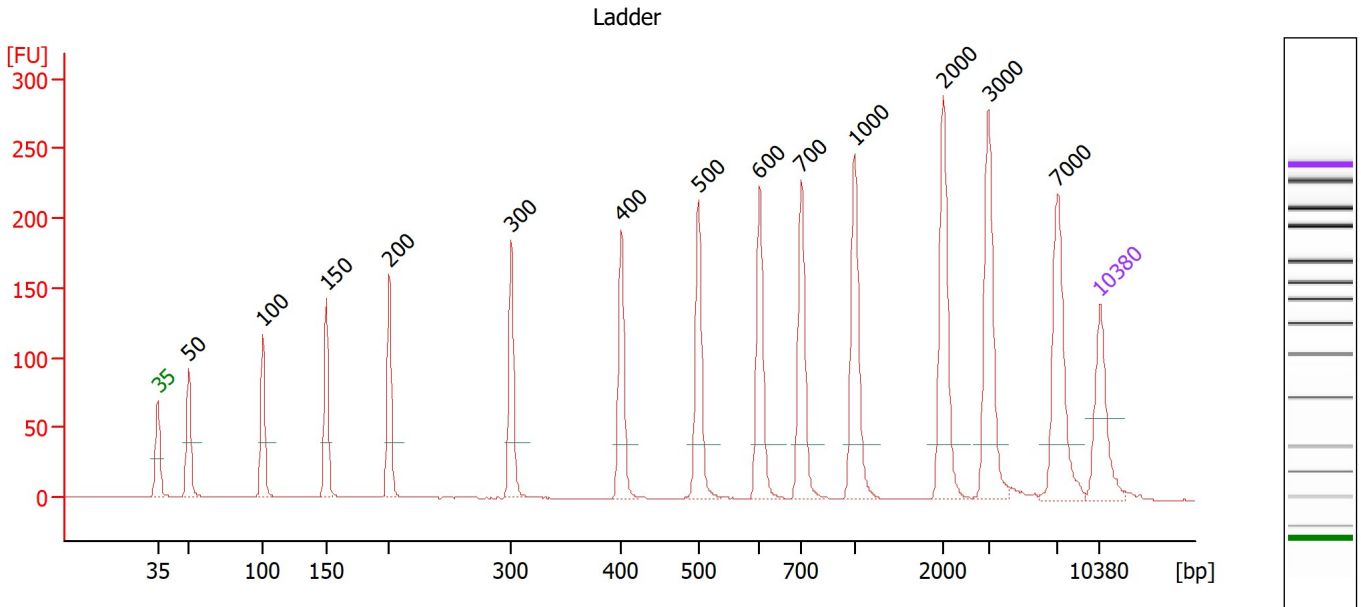
### Ladder

| 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:\...ent\2100 bioanalyzer\2100 expert\data\2024-04-17\549AO2.xad

Created: 4/17/2024 10:10:34 AM  
 Modified: 4/17/2024 10:54:58 AM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

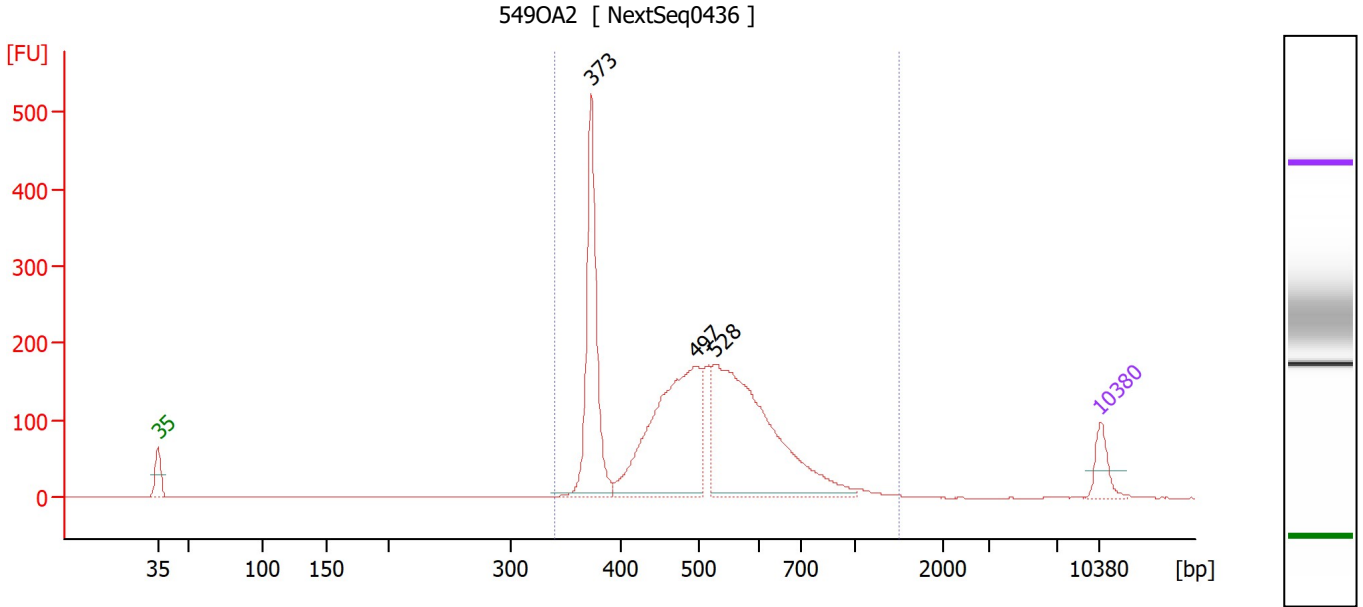
**Peak table for Ladder**

| 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   | 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:\...ent\2100 bioanalyzer\2100 expert\data\2024-04-17\549AO2.xad

Created: 4/17/2024 10:10:34 AM  
 Modified: 4/17/2024 10:54:58 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 549AO2**

Number of peaks found: 3                      Corr. Area 1: 2,554.6  
 Noise: 0.2

**Peak table for sample 7 : 549AO2**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 373       | 688.83        | 2,801.7           |              |
| 3    | 497       | 943.77        | 2,877.5           |              |
| 4    | 528       | 1,154.78      | 3,315.2           |              |
| 5    | 10,380    | 75.00         | 10.9              | Upper Marker |

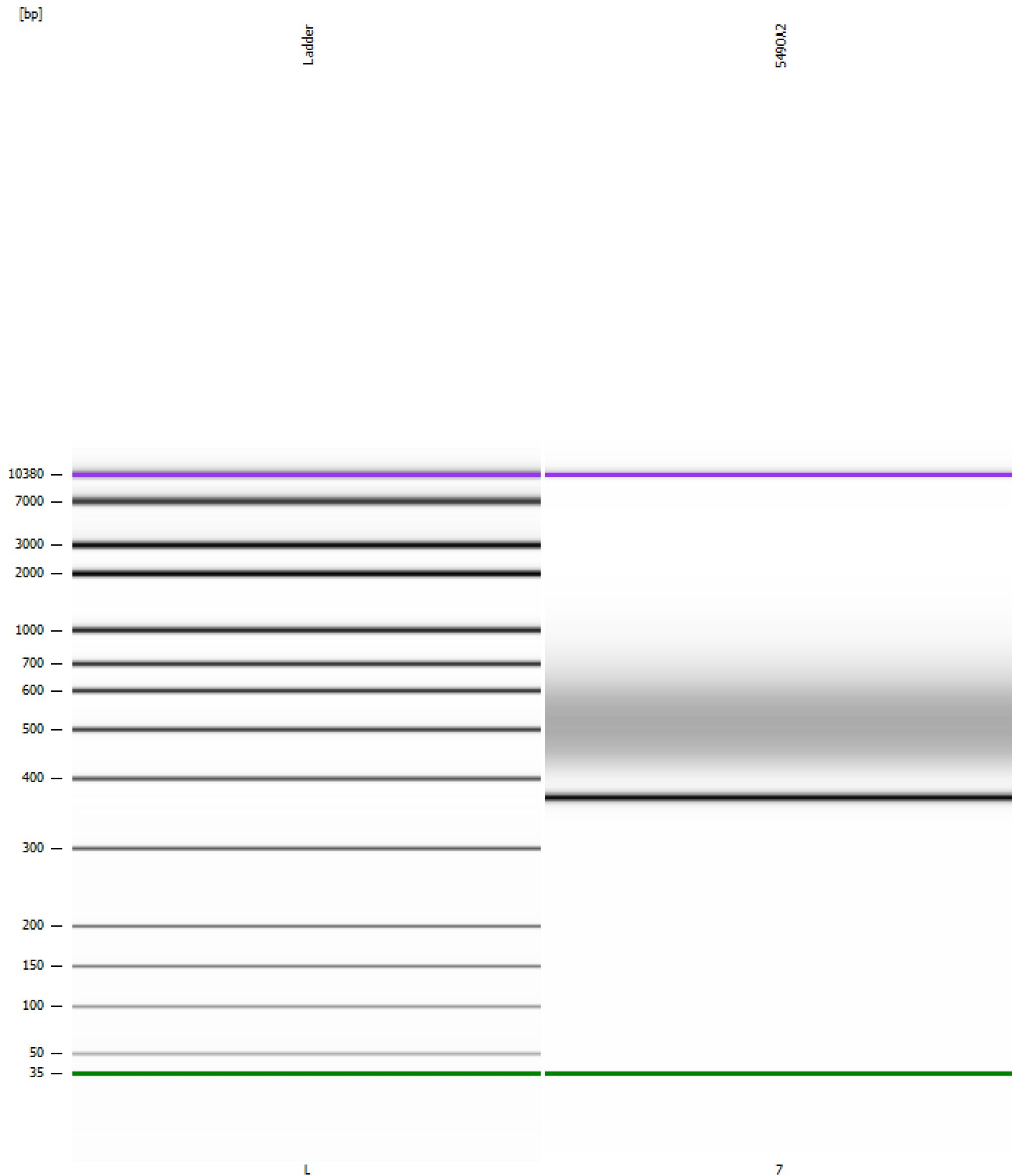
**Region table for sample 7 : 549AO2**

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 340       | 1,507   | 2,554.6    | 100        | 515               | 25.1                        | 2,907.58      | 9,165.8           | Blue  |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2024-04-17\549AO2.xad

Created: 4/17/2024 10:10:34 AM  
Modified: 4/17/2024 10:54:58 AM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2024-04-17\549A02.xad

Created: 4/17/2024 10:10:34 AM  
 Modified: 4/17/2024 10:54:58 AM

**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      |              | 4/17/2024 10:51:04 AM | (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\2024-04-17\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2024-04-17_003.xad) |        | Instrument | Run      |              | 4/17/2024 10:10:40 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Product Number : G2938C   |        | Instrument | Run      |              | 4/17/2024 10:10:40 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Name :  |        | Instrument | Run      |              | 4/17/2024 10:10:40 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Vendor : Agilent Technologies   |        | Instrument | Run      |              | 4/17/2024 10:10:40 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Serial# : DE34903152  |        | Instrument | Run      |              | 4/17/2024 10:10:40 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Firmware : C.01.069   |        | Instrument | Run      |              | 4/17/2024 10:10:40 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Cartridge : Electrode   |        | Instrument | Run      |              | 4/17/2024 10:10:40 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |