

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2026-01-28\N1459P.xad

Created: 1/28/2026 8:39:25 AM  
Modified: 1/28/2026 9:22:10 AM

**Electrophoresis File Run Summary**

Instrument Information:

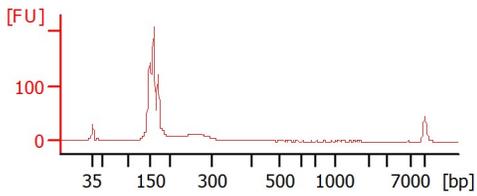
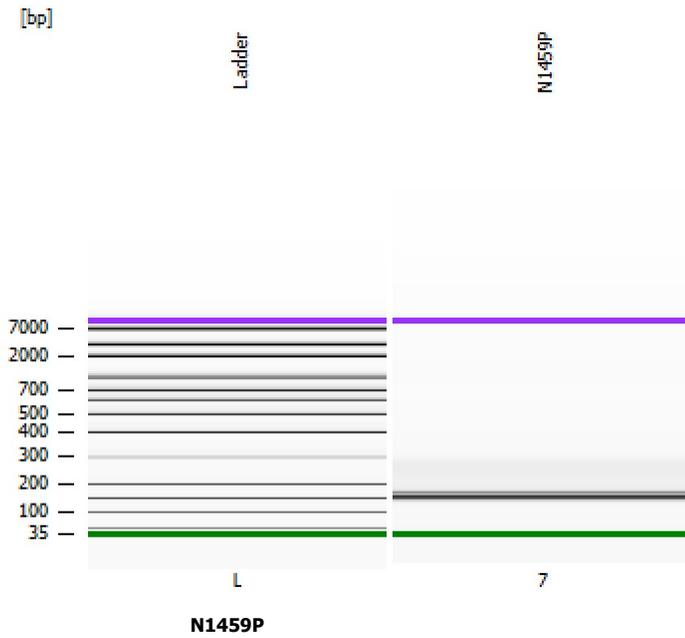
Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

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:



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

| Sample Name | Sample Comment | Rest. Digest             | Status | Observation | Result Label | Result Color |
|-------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| N1459P      |                | <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/ $\mu$ 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

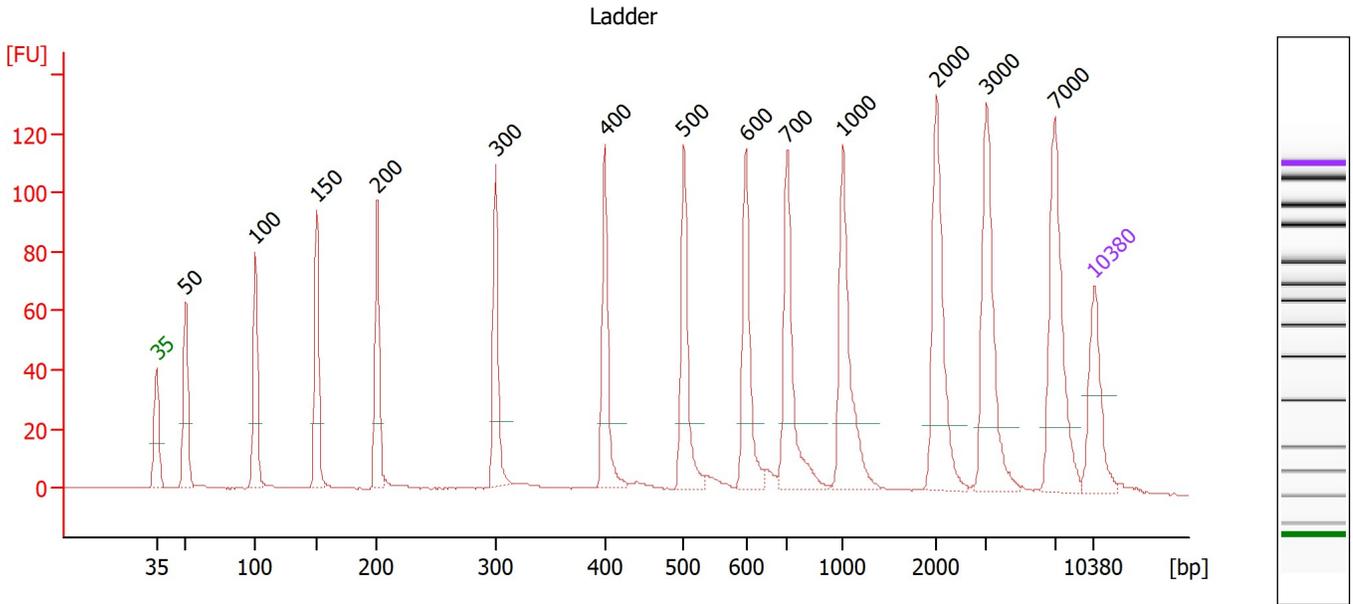
### Ladder

| 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  |

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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

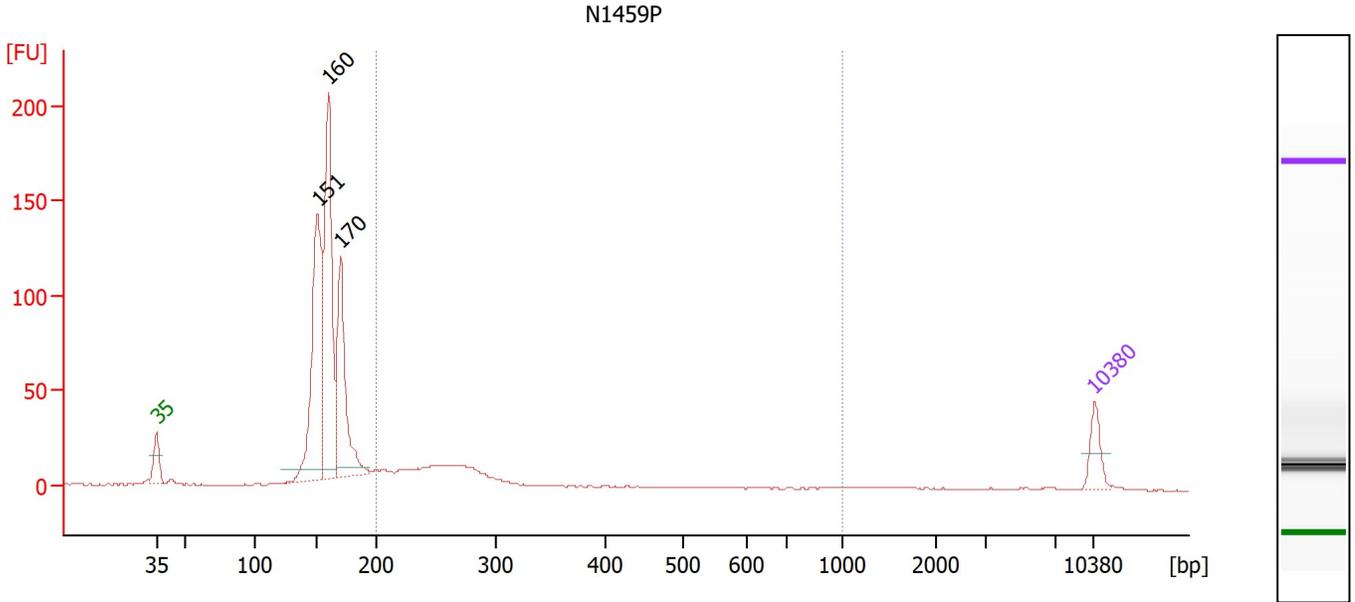
**Peak table for Ladder**

| 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 7 : N1459P**

Number of peaks found: 3                      Corr. Area 1: 135.0  
 Noise: 0.2

**Peak table for sample 7 : N1459P**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 151       | 838.13        | 8,435.5           |              |
| 3    | 160       | 860.71        | 8,157.3           |              |
| 4    | 170       | 532.24        | 4,746.0           |              |
| 5    | 10,380    | 75.00         | 10.9              | Upper Marker |

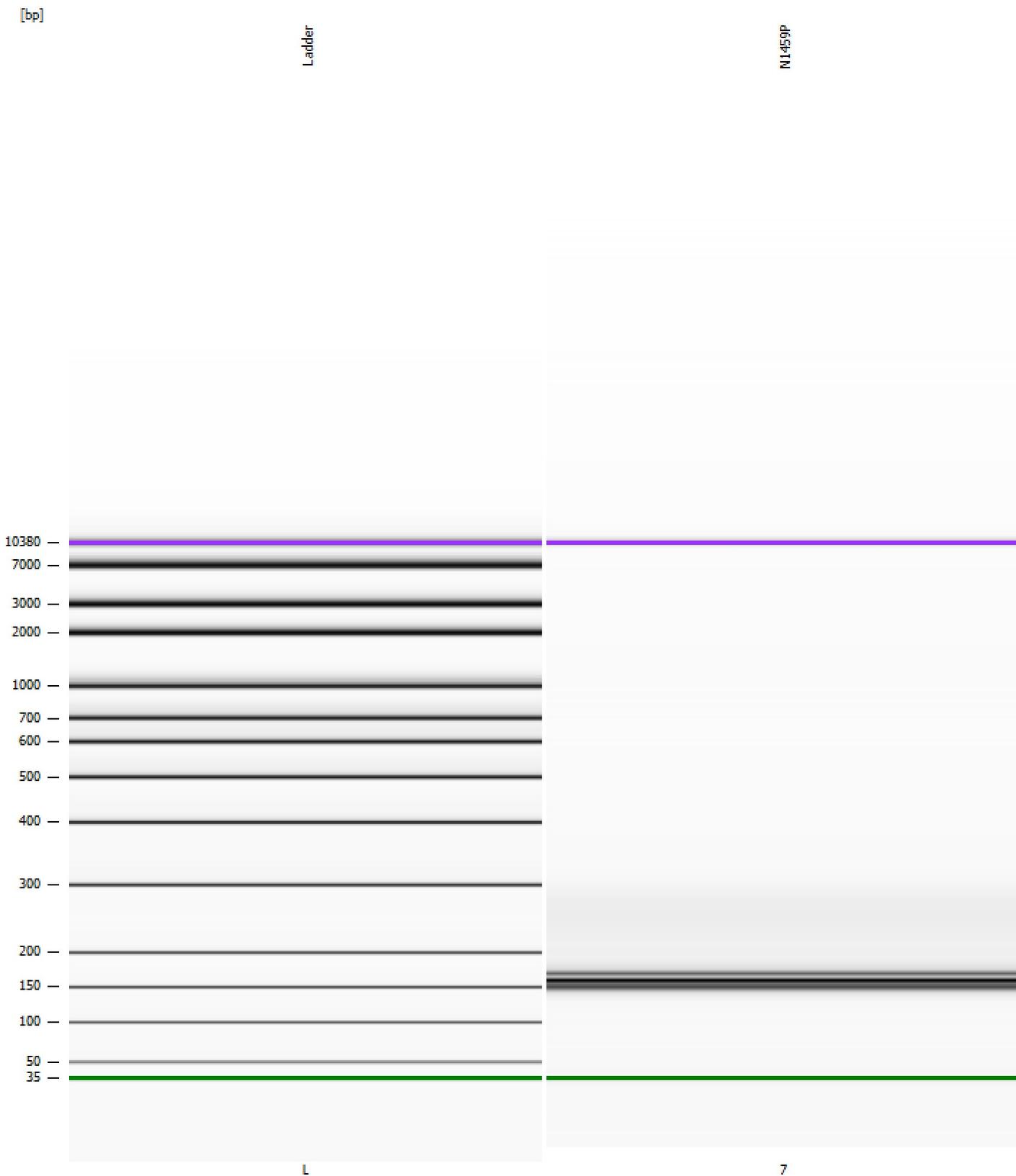
**Region table for sample 7 : N1459P**

| 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   | 135.0      | 18         | 279               | 36.7                        | 479.10        | 2,790.8           | 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      |              | 1/28/2026<br>9:20:41 AM | (GMT --08:00)<br>Pacific Standard<br>Time | sbsuser | DESKTOP-4UNV<br>VOB |
| Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2026-01-28\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2026-01-28_002.xad) |        | Instrument | Run      |              | 1/28/2026<br>8:39:26 AM | (GMT --08:00)<br>Pacific Standard<br>Time | sbsuser | DESKTOP-4UNV<br>VOB |
| Product Number : G2938C   |        | Instrument | Run      |              | 1/28/2026<br>8:39:26 AM | (GMT --08:00)<br>Pacific Standard<br>Time | sbsuser | DESKTOP-4UNV<br>VOB |
| Name :  |        | Instrument | Run      |              | 1/28/2026<br>8:39:26 AM | (GMT --08:00)<br>Pacific Standard<br>Time | sbsuser | DESKTOP-4UNV<br>VOB |
| Vendor : Agilent Technologies   |        | Instrument | Run      |              | 1/28/2026<br>8:39:26 AM | (GMT --08:00)<br>Pacific Standard<br>Time | sbsuser | DESKTOP-4UNV<br>VOB |
| Serial# : DE34903152  |        | Instrument | Run      |              | 1/28/2026<br>8:39:26 AM | (GMT --08:00)<br>Pacific Standard<br>Time | sbsuser | DESKTOP-4UNV<br>VOB |
| Firmware : C.01.069   |        | Instrument | Run      |              | 1/28/2026<br>8:39:26 AM | (GMT --08:00)<br>Pacific Standard<br>Time | sbsuser | DESKTOP-4UNV<br>VOB |
| Cartridge : Electrode   |        | Instrument | Run      |              | 1/28/2026<br>8:39:26 AM | (GMT --08:00)<br>Pacific Standard<br>Time | sbsuser | DESKTOP-4UNV<br>VOB |