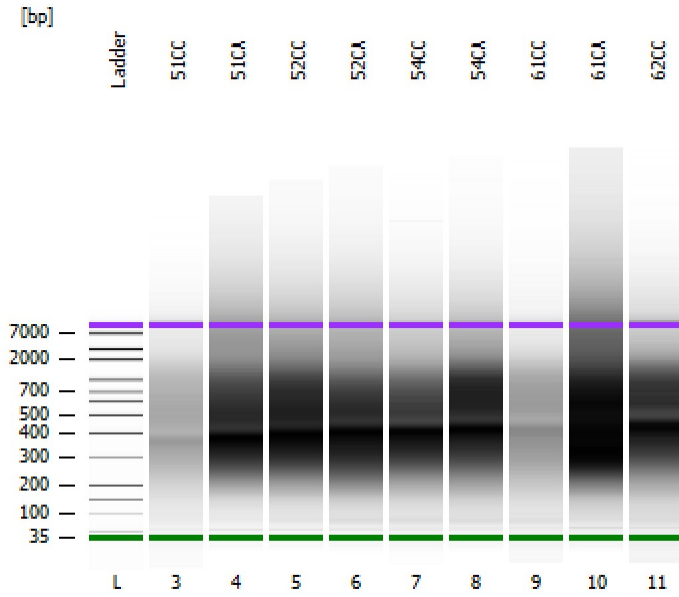


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
Modified: 12/4/2023 10:53:30 AM

**Electrophoresis File Run Summary**



Instrument Information:

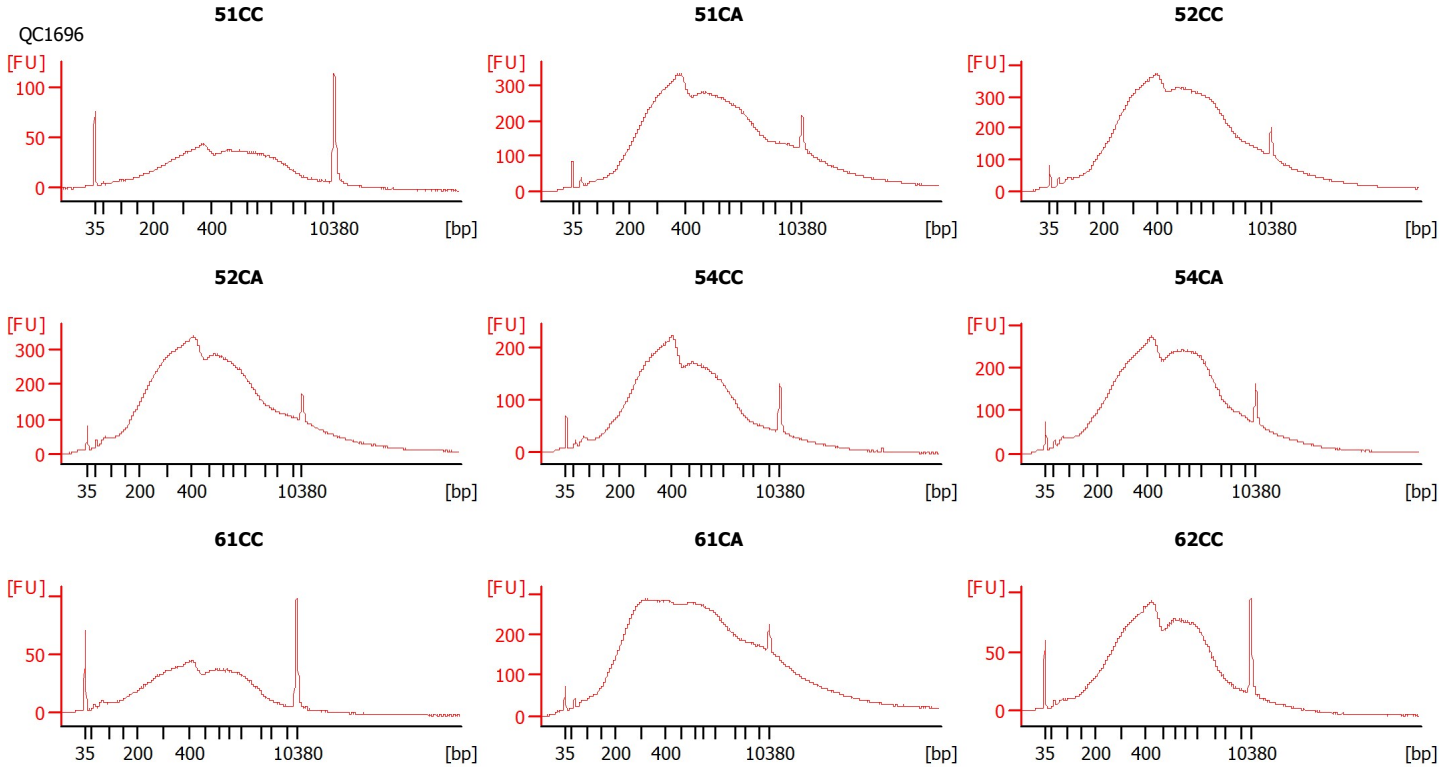
Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

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:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:53:30 AM

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

| Sample Name | Sample Comment | Rest. Digest             | Status | Observation | Result Label | Result Color |
|-------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| 51CC        | QC1696         | <input type="checkbox"/> |        | ✓           |              |              |
| 51CA        |                | <input type="checkbox"/> |        | ✓           |              |              |
| 52CC        |                | <input type="checkbox"/> |        | ✓           |              |              |
| 52CA        |                | <input type="checkbox"/> |        | ✓           |              |              |
| 54CC        |                | <input type="checkbox"/> |        | ✓           |              |              |
| 54CA        |                | <input type="checkbox"/> |        | ✓           |              |              |
| 61CC        |                | <input type="checkbox"/> |        | ✓           |              |              |
| 61CA        |                | <input type="checkbox"/> |        | ✓           |              |              |
| 62CC        |                | <input type="checkbox"/> |        | ✓           |              |              |
| Ladder      |                | <input type="checkbox"/> |        | ✓           |              |              |

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:53:30 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/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

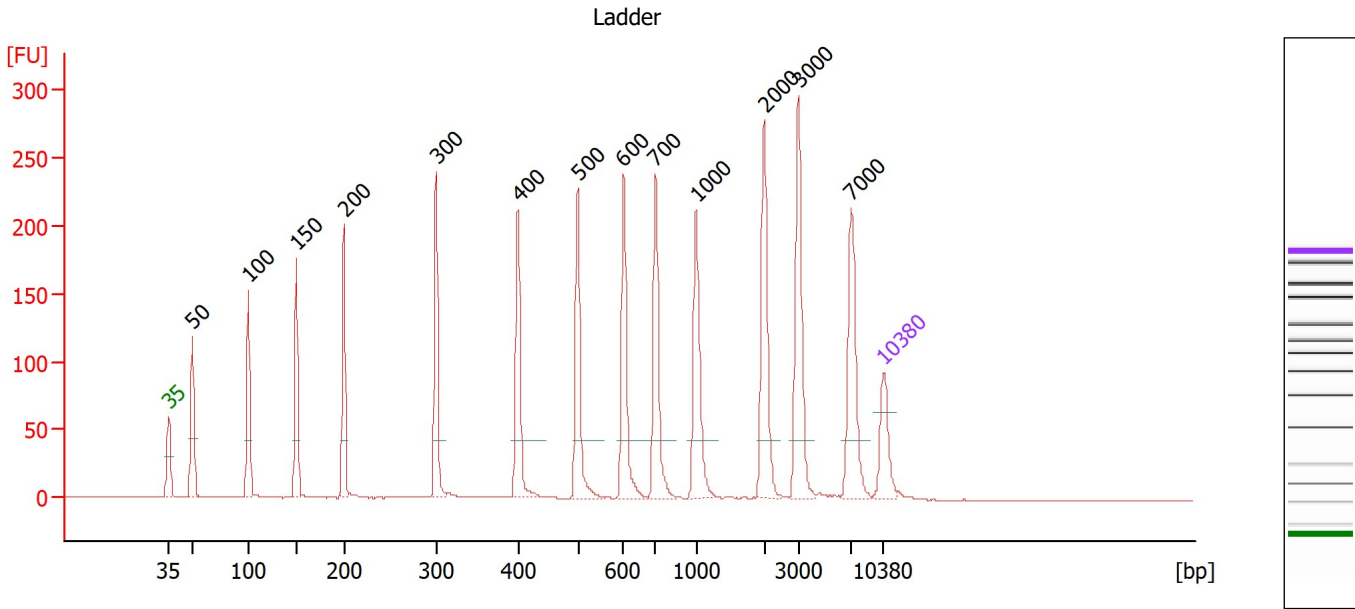
**Ladder**

| 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:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:53:30 AM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

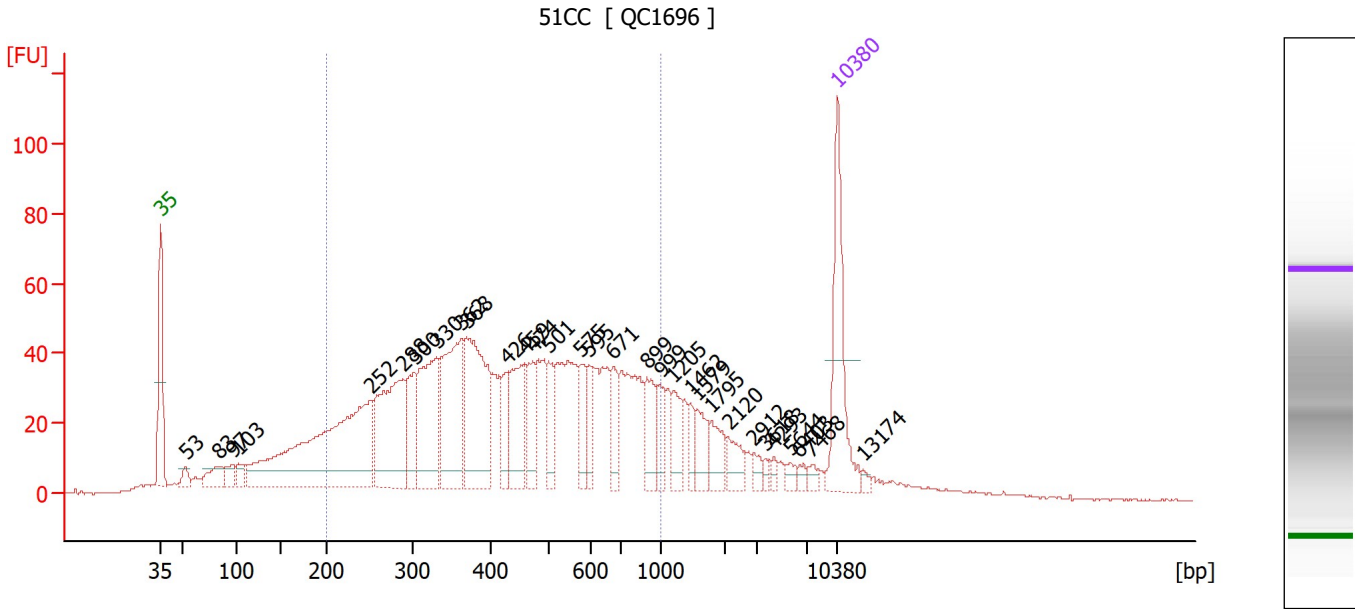
**Peak table for Ladder**

| 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:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:53:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 51CC**

Number of peaks found: 31                      Corr. Area 1: 1,495.2  
 Noise: 0.3

**Peak table for sample 3 : 51CC**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 53        | 12.45         | 358.2             |              |
| 3    | 83        | 28.13         | 511.5             |              |
| 4    | 97        | 15.23         | 238.1             |              |
| 5    | 103       | 13.38         | 197.2             |              |
| 6    | 252       | 305.99        | 1,840.4           |              |
| 7    | 288       | 145.27        | 764.5             |              |
| 8    | 300       | 50.63         | 255.6             |              |
| 9    | 330       | 106.14        | 488.0             |              |
| 10   | 362       | 125.59        | 526.0             |              |
| 11   | 368       | 140.53        | 578.7             |              |
| 12   | 426       | 27.69         | 98.6              |              |
| 13   | 459       | 67.53         | 223.1             |              |
| 14   | 474       | 35.90         | 114.8             |              |
| 15   | 501       | 30.69         | 92.8              |              |
| 16   | 575       | 27.25         | 71.8              |              |
| 17   | 595       | 24.48         | 62.4              |              |
| 18   | 671       | 27.39         | 61.8              |              |
| 19   | 899       | 35.29         | 59.5              |              |
| 20   | 999       | 17.48         | 26.5              |              |
| 21   | 1,205     | 23.57         | 29.6              |              |
| 22   | 1,462     | 12.93         | 13.4              |              |
| 23   | 1,579     | 21.78         | 20.9              |              |
| 24   | 1,795     | 20.68         | 17.5              |              |
| 25   | 2,120     | 18.64         | 13.3              |              |
| 26   | 2,912     | 6.90          | 3.6               |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:53:30 AM

**Electropherogram Summary Continued ...**

**... Peak table for sample 3 : 51CC**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27   | 3,618     | 4.26          | 1.8               |              |
| 28   | 4,293     | 4.57          | 1.6               |              |
| 29   | 5,644     | 5.79          | 1.6               |              |
| 30   | 6,403     | 4.37          | 1.0               |              |
| 31   | 7,468     | 5.21          | 1.1               |              |
| 32   | 10,380    | 75.00         | 10.9              | Upper Marker |
| 33   | 13,174    | 0.00          | 0.0               |              |

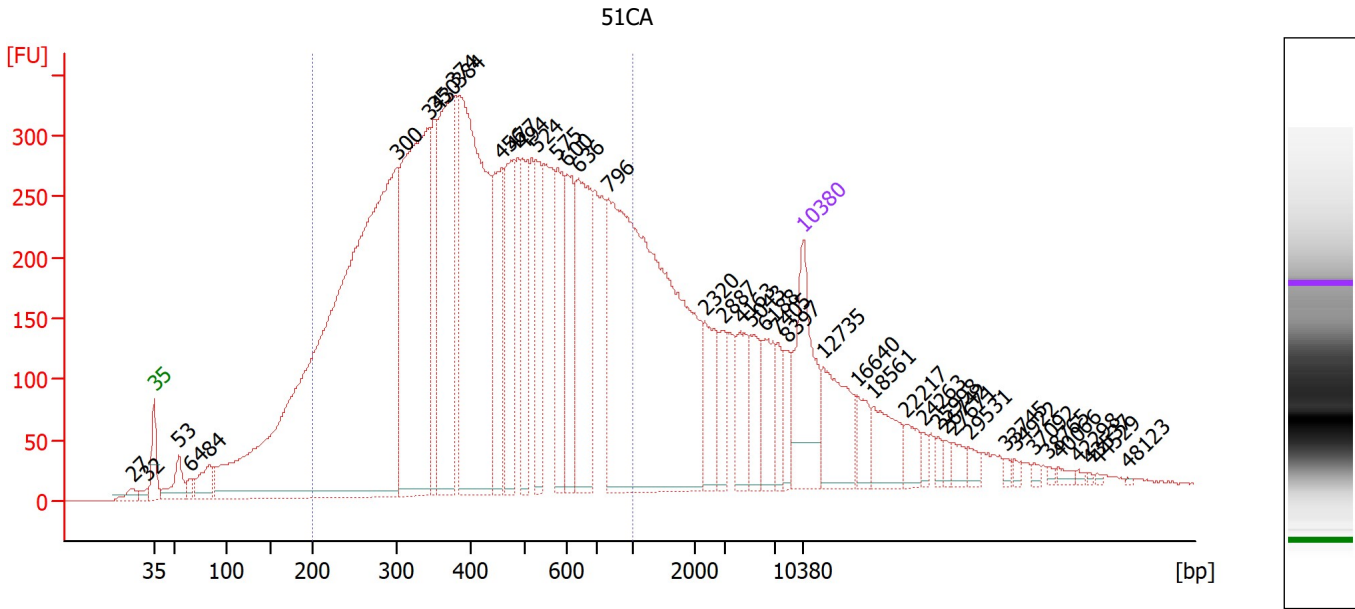
**Region table for sample 3 : 51CC**

| 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   | 1,495.2    | 71         | 462               | 40.1                        | 1,471.48      | 5,975.4           |  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:53:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 51CA**

Number of peaks found: 43                      Corr. Area 1: 10,872.1  
 Noise: 0.4

**Peak table for sample 4 : 51CA**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 27        | 0.00          | 0.0               |              |
| 2    | 32        | 0.00          | 0.0               |              |
| 3    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 4    | 53        | 36.56         | 1,042.4           |              |
| 5    | 64        | 11.05         | 261.0             |              |
| 6    | 84        | 36.04         | 653.8             |              |
| 7    | 300       | 1,050.26      | 5,308.7           |              |
| 8    | 343       | 387.50        | 1,710.2           |              |
| 9    | 350       | 88.17         | 381.2             |              |
| 10   | 374       | 221.47        | 897.2             |              |
| 11   | 384       | 371.44        | 1,465.5           |              |
| 12   | 456       | 105.92        | 352.2             |              |
| 13   | 477       | 101.98        | 323.8             |              |
| 14   | 494       | 86.24         | 264.5             |              |
| 15   | 524       | 67.83         | 196.1             |              |
| 16   | 575       | 78.55         | 206.9             |              |
| 17   | 600       | 78.70         | 198.9             |              |
| 18   | 636       | 130.01        | 309.7             |              |
| 19   | 796       | 529.28        | 1,007.4           |              |
| 20   | 2,320     | 40.62         | 26.5              |              |
| 21   | 2,887     | 24.55         | 12.9              |              |
| 22   | 4,163     | 33.70         | 12.3              |              |
| 23   | 5,043     | 35.61         | 10.7              |              |
| 24   | 6,188     | 34.41         | 8.4               |              |
| 25   | 7,405     | 17.64         | 3.6               |              |
| 26   | 8,397     | 16.54         | 3.0               |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:53:30 AM

**Electropherogram Summary Continued ...**

**... Peak table for sample 4 : 51CA**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27   | 10,380    | 75.00         | 10.9              | Upper Marker |
| 28   | 12,735    | 0.00          | 0.0               |              |
| 29   | 16,640    | 0.00          | 0.0               |              |
| 30   | 18,561    | 0.00          | 0.0               |              |
| 31   | 22,217    | 0.00          | 0.0               |              |
| 32   | 24,263    | 0.00          | 0.0               |              |
| 33   | 25,998    | 0.00          | 0.0               |              |
| 34   | 26,742    | 0.00          | 0.0               |              |
| 35   | 27,671    | 0.00          | 0.0               |              |
| 36   | 29,531    | 0.00          | 0.0               |              |
| 37   | 33,745    | 0.00          | 0.0               |              |
| 38   | 34,922    | 0.00          | 0.0               |              |
| 39   | 37,092    | 0.00          | 0.0               |              |
| 40   | 38,765    | 0.00          | 0.0               |              |
| 41   | 40,066    | 0.00          | 0.0               |              |
| 42   | 42,298    | 0.00          | 0.0               |              |
| 43   | 43,537    | 0.00          | 0.0               |              |
| 44   | 44,529    | 0.00          | 0.0               |              |
| 45   | 48,123    | 0.00          | 0.0               |              |

**Region table for sample 4 : 51CA**

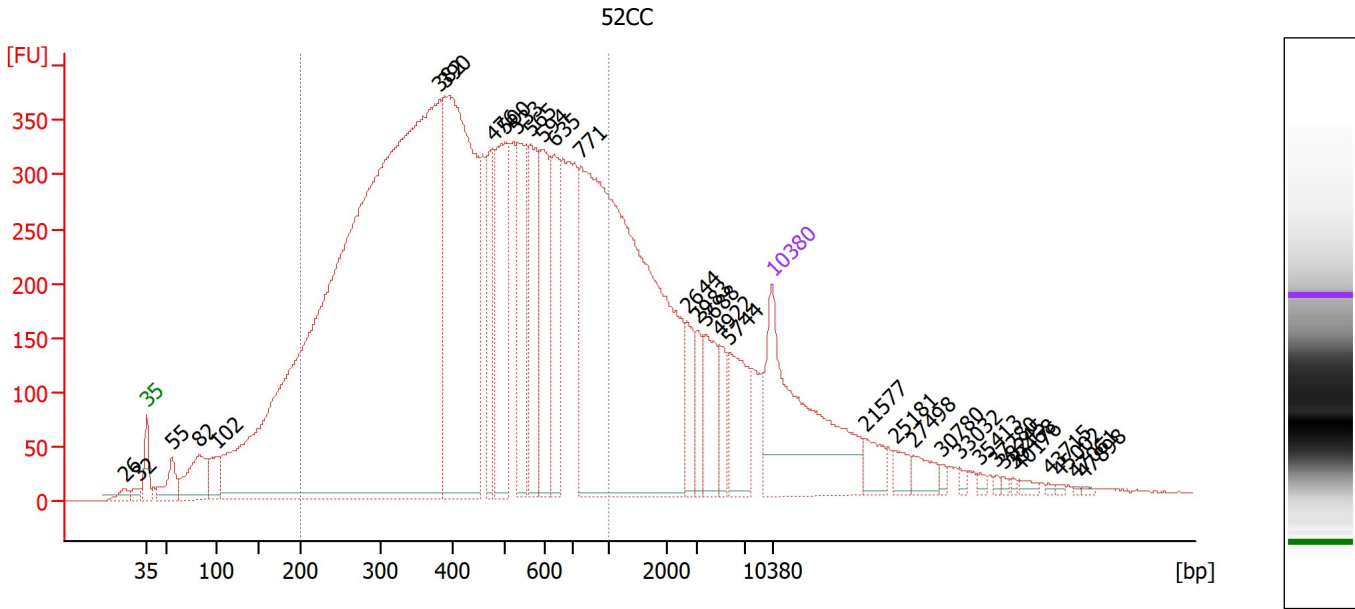
| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color   |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|---|
| 200       | 1,000   | 10,872.1   | 70         | 456               | 40.1                        | 3,153.57      | 12,876.2          |  |



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:53:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 52CC**

Number of peaks found: 33      Corr. Area 1: 12,564.1  
 Noise: 0.8

**Peak table for sample 5 : 52CC**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 26        | 0.00          | 0.0               |              |
| 2    | 32        | 0.00          | 0.0               |              |
| 3    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 4    | 55        | 19.07         | 523.8             |              |
| 5    | 82        | 35.93         | 661.0             |              |
| 6    | 102       | 15.44         | 230.2             |              |
| 7    | 382       | 802.24        | 3,182.6           |              |
| 8    | 390       | 231.22        | 898.1             |              |
| 9    | 476       | 35.97         | 114.5             |              |
| 10   | 500       | 74.91         | 227.2             |              |
| 11   | 533       | 50.34         | 143.2             |              |
| 12   | 565       | 52.65         | 141.3             |              |
| 13   | 594       | 49.81         | 127.1             |              |
| 14   | 635       | 41.91         | 100.0             |              |
| 15   | 771       | 338.59        | 665.2             |              |
| 16   | 2,644     | 15.37         | 8.8               |              |
| 17   | 2,983     | 10.02         | 5.1               |              |
| 18   | 3,688     | 23.46         | 9.6               |              |
| 19   | 4,922     | 10.35         | 3.2               |              |
| 20   | 5,744     | 26.57         | 7.0               |              |
| 21   | 10,380    | 75.00         | 10.9              | Upper Marker |
| 22   | 21,577    | 0.00          | 0.0               |              |
| 23   | 25,181    | 0.00          | 0.0               |              |
| 24   | 27,498    | 0.00          | 0.0               |              |
| 25   | 30,780    | 0.00          | 0.0               |              |
| 26   | 33,032    | 0.00          | 0.0               |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:53:30 AM

**Electropherogram Summary Continued ...**

**... Peak table for sample 5 : 52CC**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27   | 35,413    | 0.00          | 0.0               |              |
| 28   | 37,280    | 0.00          | 0.0               |              |
| 29   | 38,245    | 0.00          | 0.0               |              |
| 30   | 39,468    | 0.00          | 0.0               |              |
| 31   | 40,176    | 0.00          | 0.0               |              |
| 32   | 43,715    | 0.00          | 0.0               |              |
| 33   | 45,002    | 0.00          | 0.0               |              |
| 34   | 47,061    | 0.00          | 0.0               |              |
| 35   | 47,898    | 0.00          | 0.0               |              |

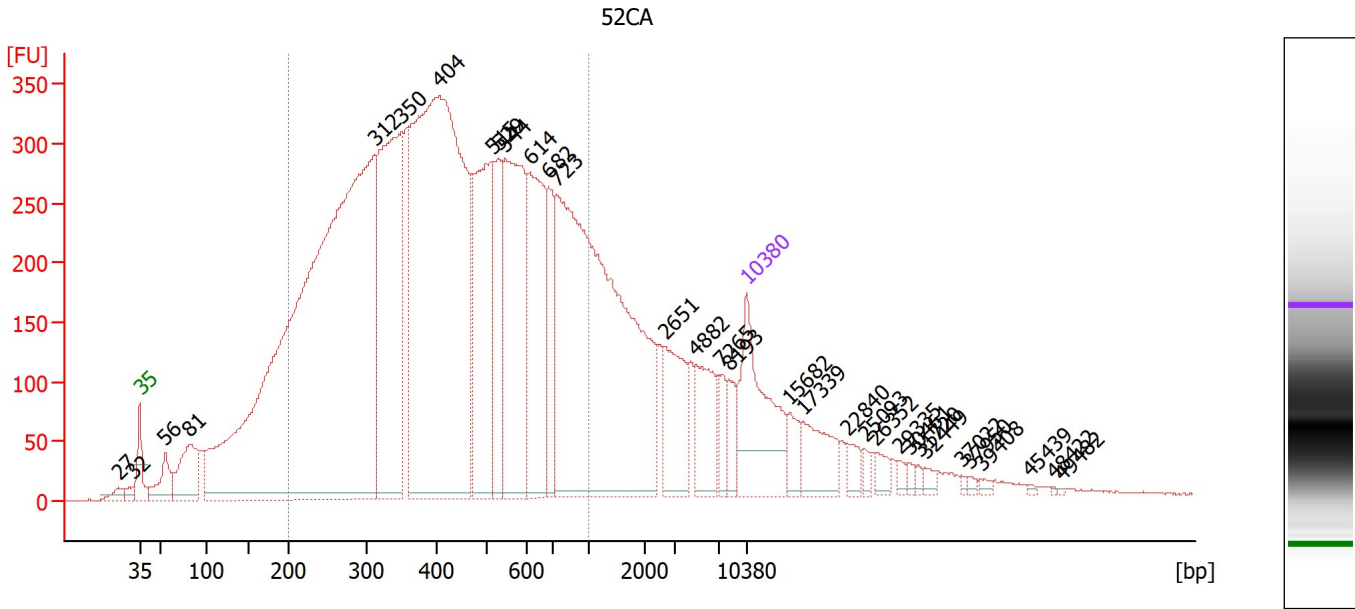
**Region table for sample 5 : 52CC**

| 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   | 12,564.1   | 72         | 464               | 40.0                        | 1,638.09      | 6,597.1           |  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:53:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 52CA**

Number of peaks found: 32                      Corr. Area 1: 11,315.6  
 Noise: 0.8

**Peak table for sample 6 : 52CA**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 27        | 0.00          | 0.0               |              |
| 2    | 32        | 0.00          | 0.0               |              |
| 3    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 4    | 56        | 34.14         | 924.8             |              |
| 5    | 81        | 67.32         | 1,256.9           |              |
| 6    | 312       | 982.27        | 4,776.7           |              |
| 7    | 350       | 276.97        | 1,199.8           |              |
| 8    | 404       | 597.43        | 2,238.0           |              |
| 9    | 515       | 159.97        | 470.5             |              |
| 10   | 529       | 65.82         | 188.6             |              |
| 11   | 544       | 186.47        | 519.5             |              |
| 12   | 614       | 129.59        | 320.0             |              |
| 13   | 682       | 54.52         | 121.1             |              |
| 14   | 723       | 473.04        | 991.3             |              |
| 15   | 2,651     | 50.05         | 28.6              |              |
| 16   | 4,882     | 39.28         | 12.2              |              |
| 17   | 7,265     | 11.56         | 2.4               |              |
| 18   | 8,193     | 14.09         | 2.6               |              |
| 19   | 10,380    | 75.00         | 10.9              | Upper Marker |
| 20   | 15,682    | 0.00          | 0.0               |              |
| 21   | 17,339    | 0.00          | 0.0               |              |
| 22   | 22,840    | 0.00          | 0.0               |              |
| 23   | 25,093    | 0.00          | 0.0               |              |
| 24   | 26,352    | 0.00          | 0.0               |              |
| 25   | 29,335    | 0.00          | 0.0               |              |
| 26   | 30,461    | 0.00          | 0.0               |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:53:30 AM

**Electropherogram Summary Continued ...**

**... Peak table for sample 6 : 52CA**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27   | 31,720    | 0.00          | 0.0               |              |
| 28   | 32,449    | 0.00          | 0.0               |              |
| 29   | 37,022    | 0.00          | 0.0               |              |
| 30   | 37,950    | 0.00          | 0.0               |              |
| 31   | 39,408    | 0.00          | 0.0               |              |
| 32   | 45,439    | 0.00          | 0.0               |              |
| 33   | 48,422    | 0.00          | 0.0               |              |
| 34   | 49,482    | 0.00          | 0.0               |              |

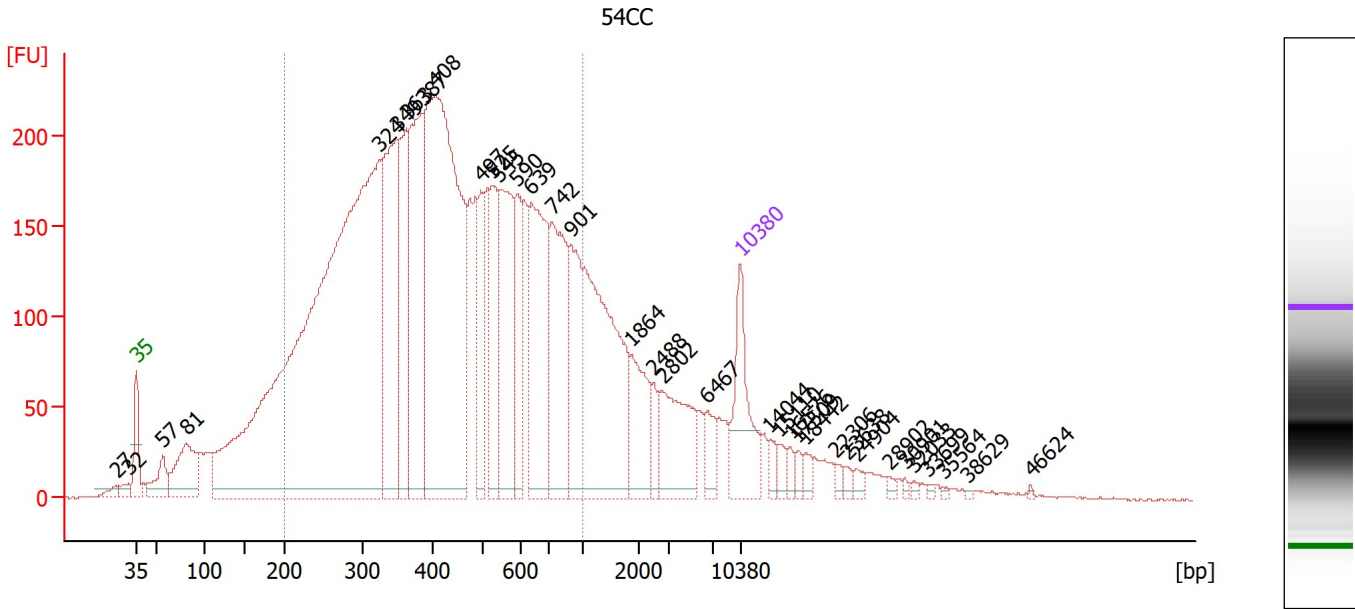
**Region table for sample 6 : 52CA**

| 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   | 11,315.6   | 71         | 453               | 40.3                        | 2,568.06      | 10,586.4          |  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:53:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 54CC**

Number of peaks found: 35                      Corr. Area 1: 6,810.8  
 Noise: 0.5

**Peak table for sample 7 : 54CC**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 27        | 0.00          | 0.0               |              |
| 2    | 32        | 0.00          | 0.0               |              |
| 3    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 4    | 57        | 49.56         | 1,325.6           |              |
| 5    | 81        | 108.72        | 2,023.1           |              |
| 6    | 324       | 1,377.54      | 6,439.7           |              |
| 7    | 349       | 274.84        | 1,191.7           |              |
| 8    | 363       | 151.26        | 630.9             |              |
| 9    | 387       | 231.82        | 907.4             |              |
| 10   | 408       | 620.57        | 2,306.9           |              |
| 11   | 497       | 78.57         | 239.4             |              |
| 12   | 525       | 94.77         | 273.3             |              |
| 13   | 545       | 170.29        | 473.7             |              |
| 14   | 590       | 78.65         | 202.0             |              |
| 15   | 639       | 191.47        | 454.0             |              |
| 16   | 742       | 161.76        | 330.2             |              |
| 17   | 901       | 356.18        | 599.0             |              |
| 18   | 1,864     | 66.20         | 53.8              |              |
| 19   | 2,488     | 17.49         | 10.7              |              |
| 20   | 2,802     | 83.42         | 45.1              |              |
| 21   | 6,467     | 22.47         | 5.3               |              |
| 22   | 10,380    | 75.00         | 10.9              | Upper Marker |
| 23   | 14,044    | 0.00          | 0.0               |              |
| 24   | 15,110    | 0.00          | 0.0               |              |
| 25   | 16,576    | 0.00          | 0.0               |              |
| 26   | 17,509    | 0.00          | 0.0               |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:53:30 AM

**Electropherogram Summary Continued ...**

**... Peak table for sample 7 : 54CC**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27   | 18,442    | 0.00          | 0.0               |              |
| 28   | 22,306    | 0.00          | 0.0               |              |
| 29   | 23,638    | 0.00          | 0.0               |              |
| 30   | 24,904    | 0.00          | 0.0               |              |
| 31   | 28,902    | 0.00          | 0.0               |              |
| 32   | 30,901    | 0.00          | 0.0               |              |
| 33   | 32,033    | 0.00          | 0.0               |              |
| 34   | 33,699    | 0.00          | 0.0               |              |
| 35   | 35,564    | 0.00          | 0.0               |              |
| 36   | 38,629    | 0.00          | 0.0               |              |
| 37   | 46,624    | 0.00          | 0.0               |              |

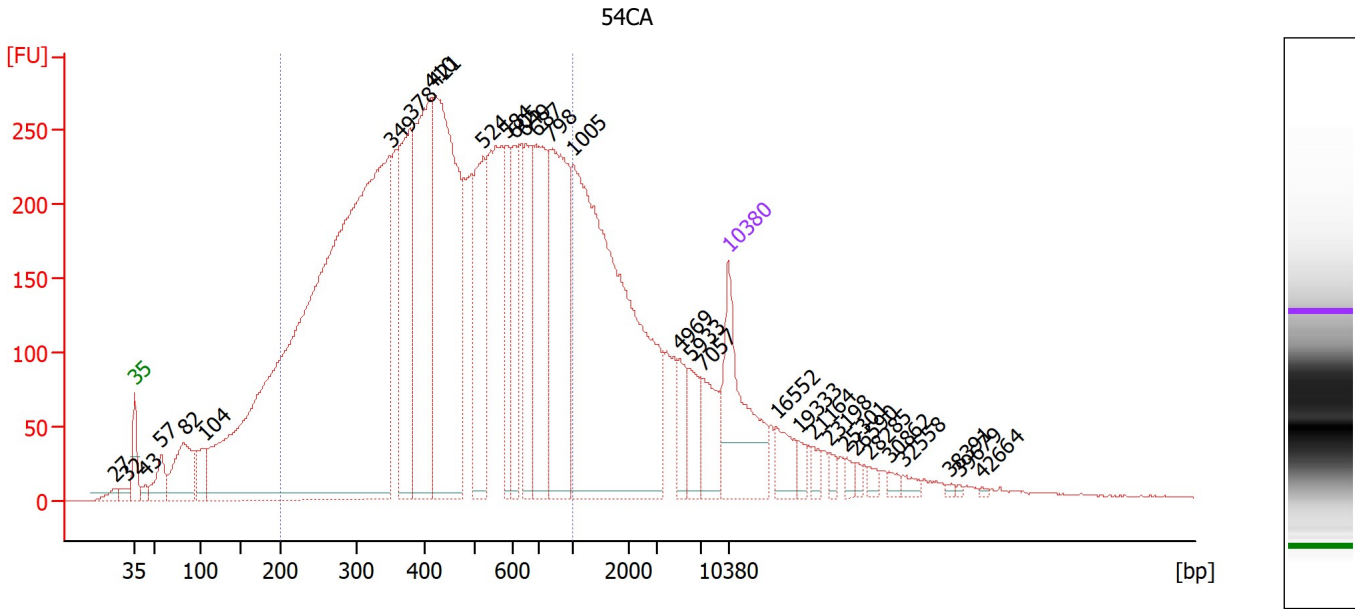
**Region table for sample 7 : 54CC**

| 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   | 6,810.8    | 74         | 454               | 39.4                        | 3,633.72      | 14,772.1          |  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:53:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 54CA**

Number of peaks found: 32                      Corr. Area 1: 8,797.9  
 Noise: 0.4

**Peak table for sample 8 : 54CA**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 27        | 0.00          | 0.0               |              |
| 2    | 32        | 0.00          | 0.0               |              |
| 3    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 4    | 43        | 7.14          | 252.7             |              |
| 5    | 57        | 31.88         | 845.3             |              |
| 6    | 82        | 76.29         | 1,413.3           |              |
| 7    | 104       | 29.42         | 430.7             |              |
| 8    | 349       | 1,039.24      | 4,509.8           |              |
| 9    | 378       | 147.88        | 592.6             |              |
| 10   | 410       | 204.85        | 757.7             |              |
| 11   | 421       | 299.08        | 1,075.2           |              |
| 12   | 524       | 108.55        | 314.1             |              |
| 13   | 584       | 54.69         | 141.9             |              |
| 14   | 605       | 53.51         | 134.0             |              |
| 15   | 649       | 74.61         | 174.1             |              |
| 16   | 687       | 124.10        | 273.6             |              |
| 17   | 798       | 152.65        | 289.7             |              |
| 18   | 1,005     | 401.14        | 604.7             |              |
| 19   | 4,969     | 20.51         | 6.3               |              |
| 20   | 5,933     | 23.02         | 5.9               |              |
| 21   | 7,057     | 32.04         | 6.9               |              |
| 22   | 10,380    | 75.00         | 10.9              | Upper Marker |
| 23   | 16,552    | 0.00          | 0.0               |              |
| 24   | 19,333    | 0.00          | 0.0               |              |
| 25   | 21,164    | 0.00          | 0.0               |              |
| 26   | 23,198    | 0.00          | 0.0               |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:53:30 AM

**Electropherogram Summary Continued ...**

**... Peak table for sample 8 : 54CA**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27   | 25,301    | 0.00          | 0.0               |              |
| 28   | 26,590    | 0.00          | 0.0               |              |
| 29   | 28,285    | 0.00          | 0.0               |              |
| 30   | 30,862    | 0.00          | 0.0               |              |
| 31   | 32,558    | 0.00          | 0.0               |              |
| 32   | 38,391    | 0.00          | 0.0               |              |
| 33   | 39,679    | 0.00          | 0.0               |              |
| 34   | 42,664    | 0.00          | 0.0               |              |

**Region table for sample 8 : 54CA**

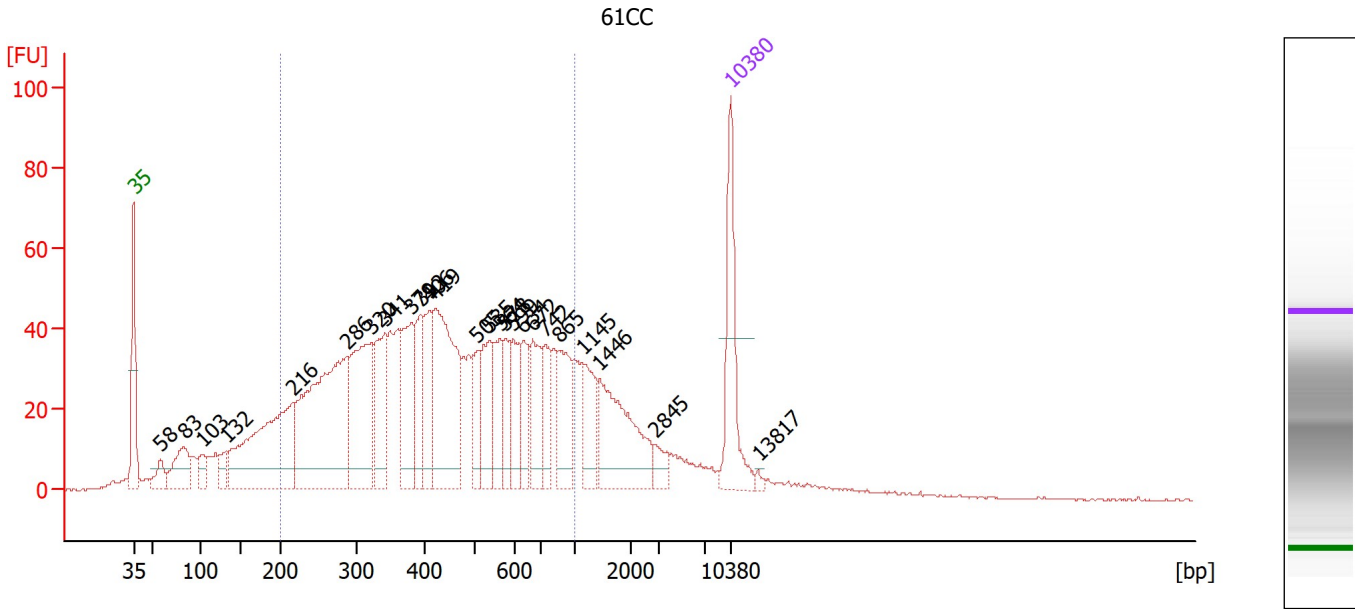
| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color   |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|---|
| 200       | 1,000   | 8,797.9    | 70         | 473               | 39.8                        | 2,560.73      | 10,151.2          |  |



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:53:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 61CC**

Number of peaks found: 25                      Corr. Area 1: 1,479.1  
 Noise: 0.2

**Peak table for sample 9 : 61CC**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 58        | 29.24         | 770.0             |              |
| 3    | 83        | 66.59         | 1,221.4           |              |
| 4    | 103       | 26.95         | 396.5             |              |
| 5    | 132       | 22.31         | 255.7             |              |
| 6    | 216       | 242.81        | 1,699.4           |              |
| 7    | 286       | 295.23        | 1,562.2           |              |
| 8    | 320       | 154.23        | 729.4             |              |
| 9    | 341       | 86.14         | 383.2             |              |
| 10   | 379       | 92.20         | 368.2             |              |
| 11   | 392       | 57.85         | 223.7             |              |
| 12   | 406       | 58.65         | 218.9             |              |
| 13   | 419       | 180.24        | 652.2             |              |
| 14   | 505       | 36.81         | 110.3             |              |
| 15   | 535       | 61.32         | 173.8             |              |
| 16   | 564       | 49.79         | 133.8             |              |
| 17   | 578       | 33.60         | 88.1              |              |
| 18   | 599       | 44.51         | 112.7             |              |
| 19   | 634       | 41.92         | 100.2             |              |
| 20   | 672       | 56.37         | 127.1             |              |
| 21   | 742       | 35.54         | 72.6              |              |
| 22   | 865       | 58.87         | 103.1             |              |
| 23   | 1,145     | 48.17         | 63.8              |              |
| 24   | 1,446     | 103.89        | 108.8             |              |
| 25   | 2,845     | 14.02         | 7.5               |              |
| 26   | 10,380    | 75.00         | 10.9              | Upper Marker |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:53:30 AM

**Electropherogram Summary Continued ...**

**... Peak table for sample 9 : 61CC**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27   | 13,817    | 0.00          | 0.0               |              |

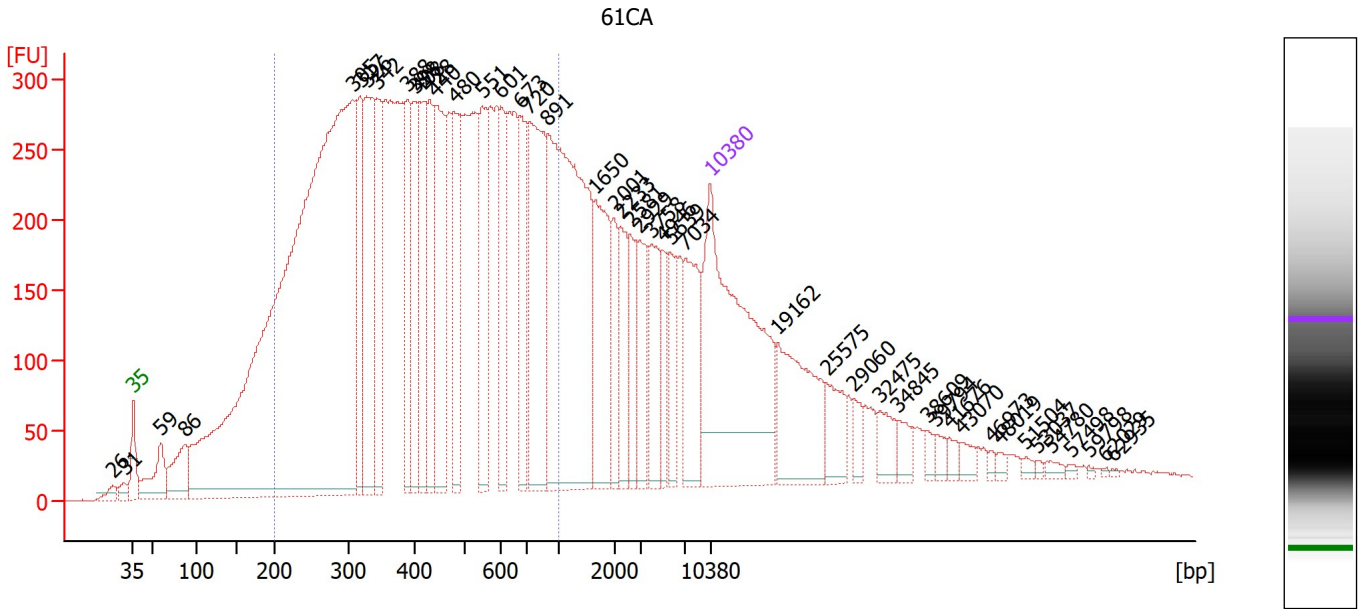
**Region table for sample 9 : 61CC**

| 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   | 1,479.1    | 72         | 462               | 40.5                        | 1,692.56      | 6,874.3           |  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:53:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 61CA**

Number of peaks found: 46                      Corr. Area 1: 10,601.4  
 Noise: 0.8

**Peak table for sample 10 : 61CA**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 26        | 0.00          | 0.0               |              |
| 2    | 31        | 0.00          | 0.0               |              |
| 3    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 4    | 59        | 19.46         | 498.9             |              |
| 5    | 86        | 20.80         | 365.6             |              |
| 6    | 305       | 439.35        | 2,183.3           |              |
| 7    | 317       | 34.16         | 163.3             |              |
| 8    | 326       | 51.55         | 239.7             |              |
| 9    | 342       | 34.60         | 153.4             |              |
| 10   | 388       | 28.89         | 112.9             |              |
| 11   | 398       | 30.43         | 115.8             |              |
| 12   | 408       | 32.23         | 119.6             |              |
| 13   | 428       | 27.44         | 97.1              |              |
| 14   | 440       | 45.15         | 155.3             |              |
| 15   | 480       | 29.64         | 93.5              |              |
| 16   | 551       | 29.29         | 80.6              |              |
| 17   | 601       | 22.13         | 55.8              |              |
| 18   | 673       | 23.44         | 52.7              |              |
| 19   | 720       | 56.58         | 119.1             |              |
| 20   | 891       | 114.73        | 195.1             |              |
| 21   | 1,650     | 31.11         | 28.6              |              |
| 22   | 2,001     | 11.86         | 9.0               |              |
| 23   | 2,233     | 15.43         | 10.5              |              |
| 24   | 2,581     | 11.74         | 6.9               |              |
| 25   | 2,929     | 15.19         | 7.9               |              |
| 26   | 3,758     | 15.57         | 6.3               |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:53:30 AM

**Electropherogram Summary Continued ...**

**... Peak table for sample 10 : 61CA**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27   | 4,946     | 9.41          | 2.9               |              |
| 28   | 5,639     | 12.08         | 3.2               |              |
| 29   | 7,034     | 21.64         | 4.7               |              |
| 30   | 10,380    | 75.00         | 10.9              | Upper Marker |
| 31   | 19,162    | 0.00          | 0.0               |              |
| 32   | 25,575    | 0.00          | 0.0               |              |
| 33   | 29,060    | 0.00          | 0.0               |              |
| 34   | 32,475    | 0.00          | 0.0               |              |
| 35   | 34,845    | 0.00          | 0.0               |              |
| 36   | 38,609    | 0.00          | 0.0               |              |
| 37   | 39,794    | 0.00          | 0.0               |              |
| 38   | 41,676    | 0.00          | 0.0               |              |
| 39   | 43,070    | 0.00          | 0.0               |              |
| 40   | 46,973    | 0.00          | 0.0               |              |
| 41   | 48,019    | 0.00          | 0.0               |              |
| 42   | 51,504    | 0.00          | 0.0               |              |
| 43   | 53,037    | 0.00          | 0.0               |              |
| 44   | 54,780    | 0.00          | 0.0               |              |
| 45   | 57,498    | 0.00          | 0.0               |              |
| 46   | 59,798    | 0.00          | 0.0               |              |
| 47   | 62,029    | 0.00          | 0.0               |              |
| 48   | 62,935    | 0.00          | 0.0               |              |

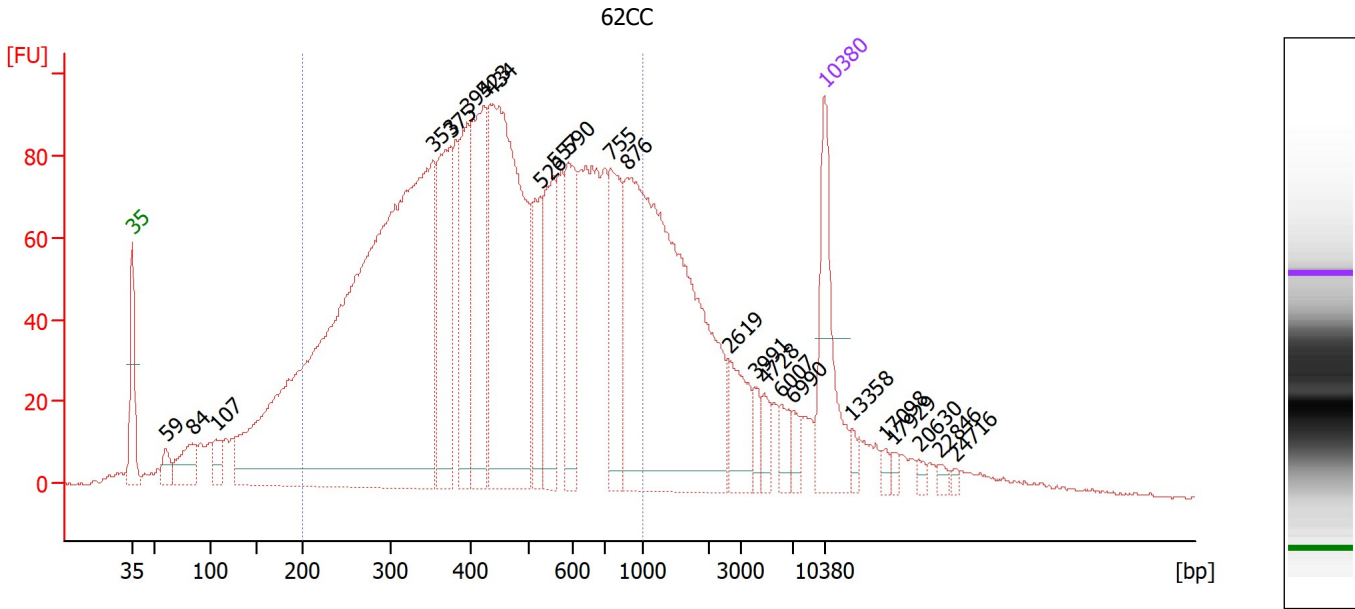
**Region table for sample 10 : 61CA**

| 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   | 10,601.4   | 65         | 458               | 41.0                        | 1,114.66      | 4,586.0           |  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:53:30 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 62CC**

Number of peaks found: 24                      Corr. Area 1: 2,880.5  
 Noise: 0.5

**Peak table for sample 11 : 62CC**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 59        | 18.95         | 482.7             |              |
| 3    | 84        | 44.81         | 807.5             |              |
| 4    | 107       | 22.43         | 316.4             |              |
| 5    | 353       | 991.61        | 4,255.4           |              |
| 6    | 375       | 134.60        | 543.2             |              |
| 7    | 395       | 97.71         | 374.5             |              |
| 8    | 423       | 151.62        | 542.7             |              |
| 9    | 434       | 350.92        | 1,224.4           |              |
| 10   | 526       | 74.11         | 213.5             |              |
| 11   | 557       | 82.63         | 224.7             |              |
| 12   | 590       | 87.77         | 225.3             |              |
| 13   | 755       | 83.26         | 167.1             |              |
| 14   | 876       | 453.27        | 783.7             |              |
| 15   | 2,619     | 40.78         | 23.6              |              |
| 16   | 3,991     | 11.63         | 4.4               |              |
| 17   | 4,728     | 13.27         | 4.3               |              |
| 18   | 6,007     | 13.37         | 3.4               |              |
| 19   | 6,990     | 11.04         | 2.4               |              |
| 20   | 10,380    | 75.00         | 10.9              | Upper Marker |
| 21   | 13,358    | 0.00          | 0.0               |              |
| 22   | 17,098    | 0.00          | 0.0               |              |
| 23   | 17,929    | 0.00          | 0.0               |              |
| 24   | 20,630    | 0.00          | 0.0               |              |
| 25   | 22,846    | 0.00          | 0.0               |              |
| 26   | 24,716    | 0.00          | 0.0               |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
 Modified: 12/4/2023 10:53:30 AM

**Electropherogram Summary Continued ...**

... Region table for sample 11 :

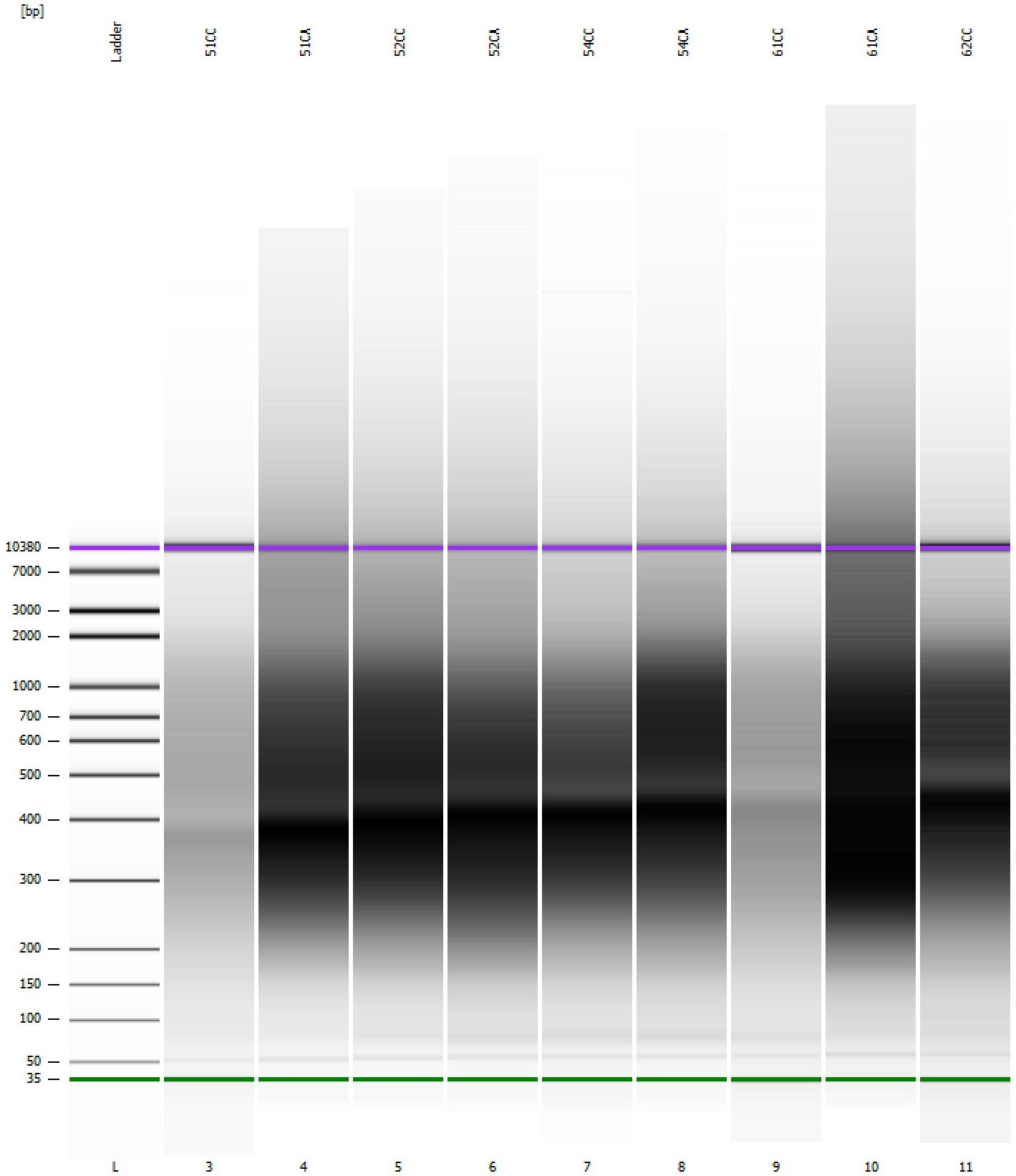
62CC

| 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   | 2,880.5    | 73         | 473               | 39.4                        | 2,504.44      | 9,852.5           |  |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
Modified: 12/4/2023 10:53:30 AM

**Gel Image**

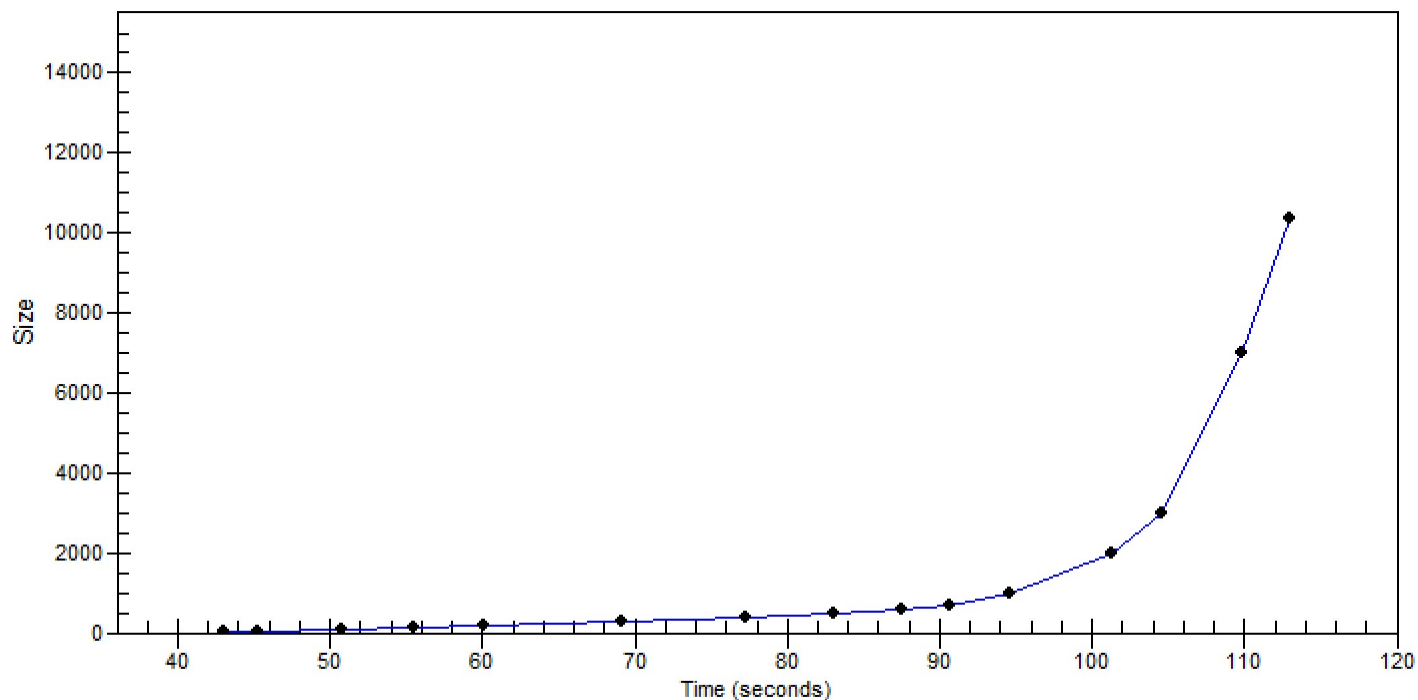


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad

Created: 12/4/2023 9:56:21 AM  
Modified: 12/4/2023 10:53:30 AM

**Curves**

**Standard Curve**





Assay Class: High Sensitivity DNA Assay Created: 12/4/2023 9:56:21 AM  
 Data Path: C:\...sitivity DNA Assay\_DE34903152\_2023-12-04\_001-QC1696\_1-9.xad Modified: 12/4/2023 10:53:30 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      |              | 12/4/2023 10:37:41 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\2023-12-04\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2023-12-04_001.xad) |        | Instrument | Run      |              | 12/4/2023 9:56:28 AM  | (GMT --08:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Product Number : G2938C   |        | Instrument | Run      |              | 12/4/2023 9:56:28 AM  | (GMT --08:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Name :  |        | Instrument | Run      |              | 12/4/2023 9:56:28 AM  | (GMT --08:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Vendor : Agilent Technologies   |        | Instrument | Run      |              | 12/4/2023 9:56:28 AM  | (GMT --08:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Serial# : DE34903152  |        | Instrument | Run      |              | 12/4/2023 9:56:28 AM  | (GMT --08:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Firmware : C.01.069   |        | Instrument | Run      |              | 12/4/2023 9:56:28 AM  | (GMT --08:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Cartridge : Electrode   |        | Instrument | Run      |              | 12/4/2023 9:56:28 AM  | (GMT --08:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |