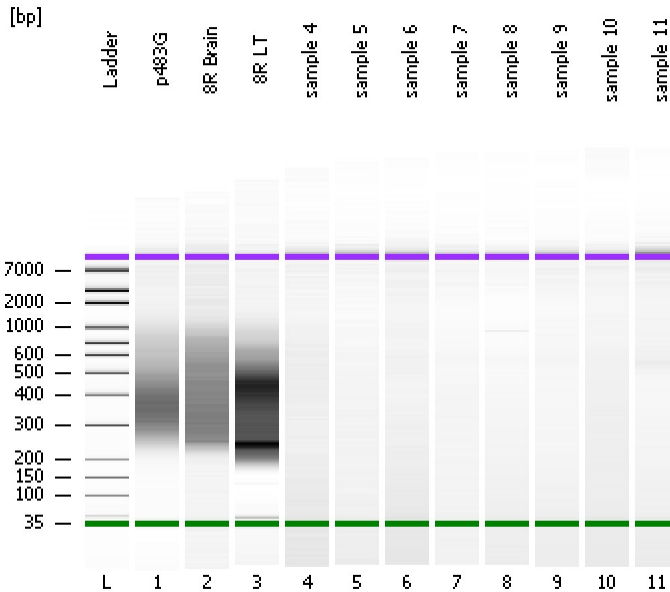


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-03\2017-03-03\_001.xad

Created: 3/3/2017 10:02:42 AM  
Modified: 3/3/2017 10:43:59 AM

**Electrophoresis File Run Summary**



Instrument Information:

Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\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

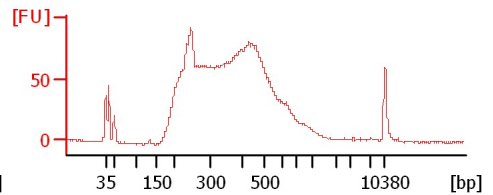
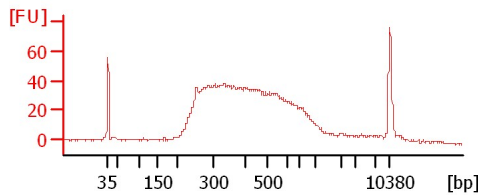
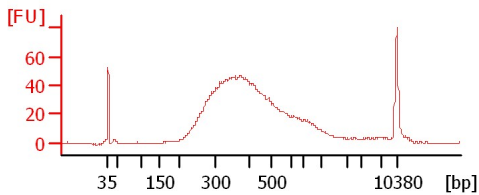
Chip Information:

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

**p483G**

**8R Brain**

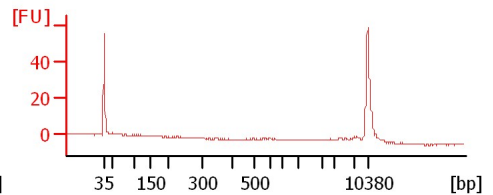
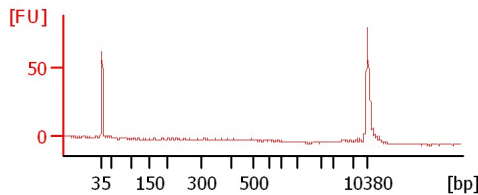
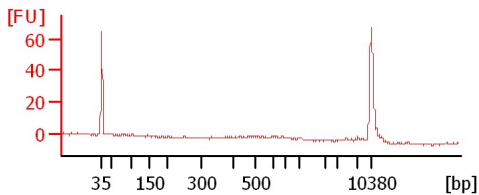
**8R LT**



**sample 4**

**sample 5**

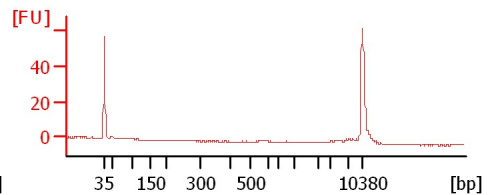
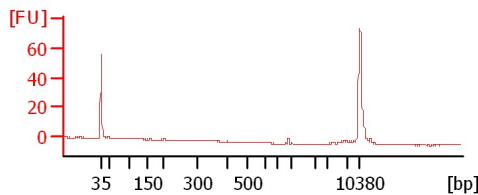
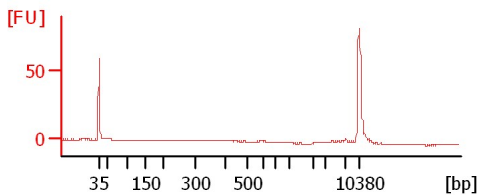
**sample 6**



**sample 7**

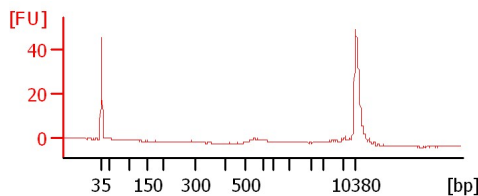
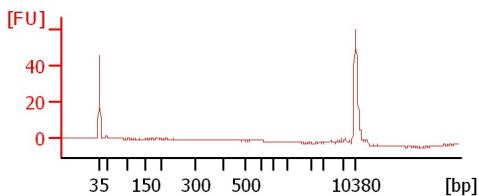
**sample 8**

**sample 9**



**sample 10**

**sample 11**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-03\2017-03-03\_001.xad

Created: 3/3/2017 10:02:42 AM  
 Modified: 3/3/2017 10:43:59 AM

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

| Sample Name | Sample Comment | Rest. Digest             | Status | Observation | Result Label | Result Color |
|-------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| p483G       |                | <input type="checkbox"/> | ✓      |             |              |              |
| 8R Brain    |                | <input type="checkbox"/> | ✓      |             |              |              |
| 8R LT       |                | <input type="checkbox"/> | ✓      |             |              |              |
| sample 4    |                | <input type="checkbox"/> | ✓      |             |              |              |
| sample 5    |                | <input type="checkbox"/> | ✓      |             |              |              |
| sample 6    |                | <input type="checkbox"/> | ✓      |             |              |              |
| sample 7    |                | <input type="checkbox"/> | ✓      |             |              |              |
| sample 8    |                | <input type="checkbox"/> | ✓      |             |              |              |
| sample 9    |                | <input type="checkbox"/> | ✓      |             |              |              |
| sample 10   |                | <input type="checkbox"/> | ✓      |             |              |              |
| sample 11   |                | <input type="checkbox"/> | ✓      |             |              |              |
| Ladder      |                | <input type="checkbox"/> | ✓      |             |              |              |

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-03\2017-03-03\_001.xad

Created: 3/3/2017 10:02:42 AM  
Modified: 3/3/2017 10:43:59 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

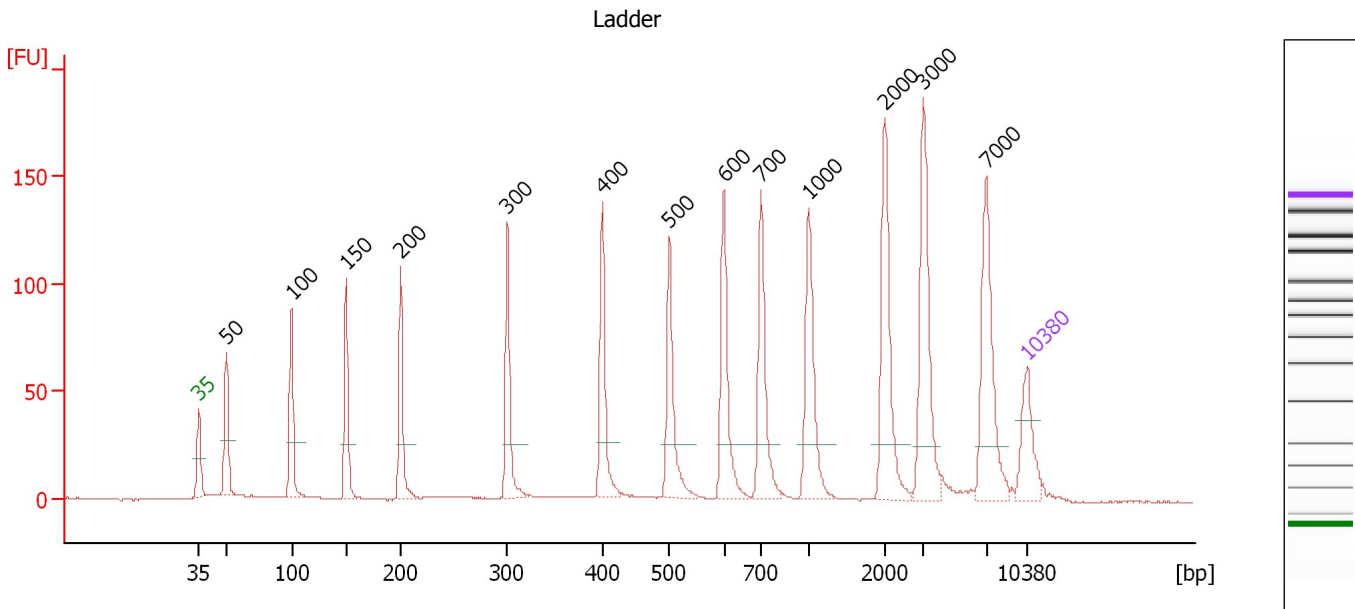
**Ladder**

| 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:\... bioanalyzer\2100 expert\data\2017-03-03\2017-03-03\_001.xad

Created: 3/3/2017 10:02:42 AM  
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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

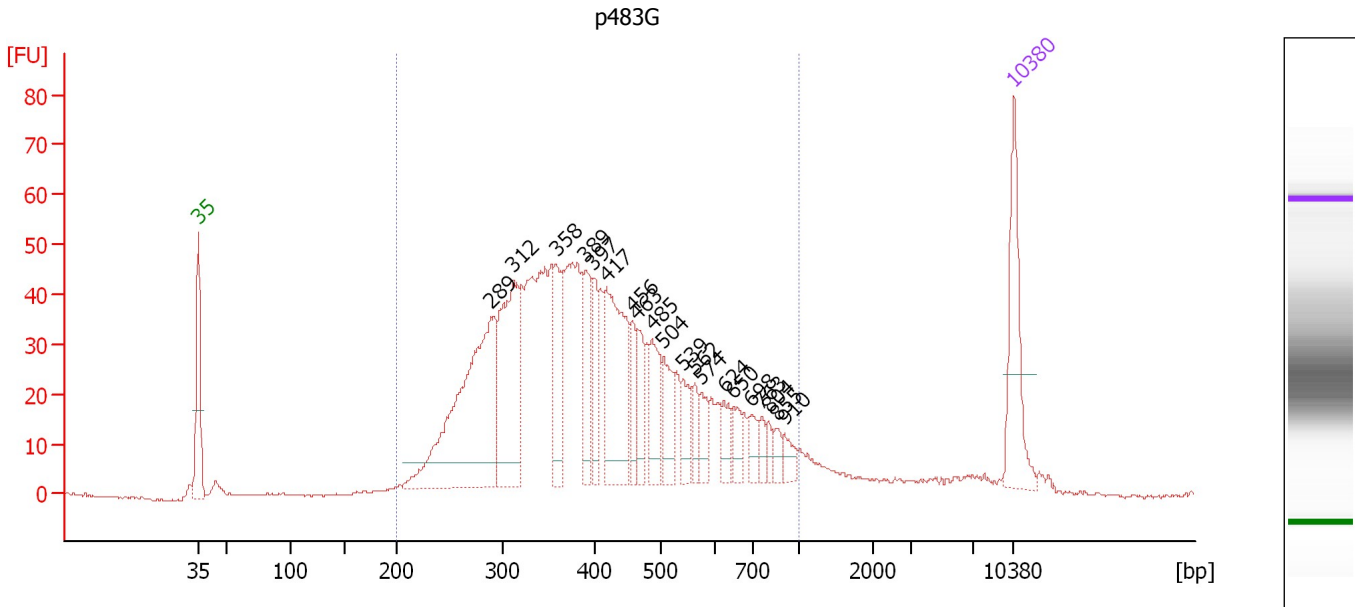
**Peak table for Ladder**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker | 43.00                      |
| 2    | 50        | 150.00        | 4,545.5           | Ladder Peak  | 45.34                      |
| 3    | 100       | 150.00        | 2,272.7           | Ladder Peak  | 50.84                      |
| 4    | 150       | 150.00        | 1,515.2           | Ladder Peak  | 55.48                      |
| 5    | 200       | 150.00        | 1,136.4           | Ladder Peak  | 60.07                      |
| 6    | 300       | 150.00        | 757.6             | Ladder Peak  | 69.08                      |
| 7    | 400       | 150.00        | 568.2             | Ladder Peak  | 77.10                      |
| 8    | 500       | 150.00        | 454.5             | Ladder Peak  | 82.77                      |
| 9    | 600       | 150.00        | 378.8             | Ladder Peak  | 87.37                      |
| 10   | 700       | 150.00        | 324.7             | Ladder Peak  | 90.52                      |
| 11   | 1,000     | 150.00        | 227.3             | Ladder Peak  | 94.53                      |
| 12   | 2,000     | 150.00        | 113.6             | Ladder Peak  | 100.97                     |
| 13   | 3,000     | 150.00        | 75.8              | Ladder Peak  | 104.22                     |
| 14   | 7,000     | 150.00        | 32.5              | Ladder Peak  | 109.53                     |
| 15   | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-03\2017-03-03\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : p483G**

Number of peaks found: 20                      Corr. Area 1: 1,237.3  
 Noise: 0.2


**Peak table for sample 1 : p483G**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker | 43.00                      |
| 2    | 289       | 339.70        | 1,779.1           |              | 68.12                      |
| 3    | 312       | 183.17        | 889.7             |              | 70.04                      |
| 4    | 358       | 81.31         | 344.5             |              | 73.70                      |
| 5    | 389       | 61.15         | 238.2             |              | 76.22                      |
| 6    | 397       | 49.98         | 190.7             |              | 76.86                      |
| 7    | 417       | 159.66        | 579.4             |              | 78.09                      |
| 8    | 456       | 37.33         | 124.0             |              | 80.29                      |
| 9    | 463       | 40.07         | 131.0             |              | 80.70                      |
| 10   | 485       | 55.38         | 172.9             |              | 81.93                      |
| 11   | 504       | 42.53         | 128.0             |              | 82.94                      |
| 12   | 539       | 31.22         | 87.7              |              | 84.59                      |
| 13   | 562       | 19.62         | 52.9              |              | 85.64                      |
| 14   | 574       | 24.45         | 64.5              |              | 86.19                      |
| 15   | 624       | 22.21         | 54.0              |              | 88.11                      |
| 16   | 650       | 21.11         | 49.2              |              | 88.93                      |
| 17   | 698       | 17.75         | 38.6              |              | 90.44                      |
| 18   | 763       | 12.66         | 25.1              |              | 91.36                      |
| 19   | 804       | 10.45         | 19.7              |              | 91.91                      |
| 20   | 855       | 11.30         | 20.0              |              | 92.59                      |
| 21   | 910       | 14.77         | 24.6              |              | 93.33                      |
| 22   | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-03\2017-03-03\_001.xad

Created: 3/3/2017 10:02:42 AM  
Modified: 3/3/2017 10:43:59 AM

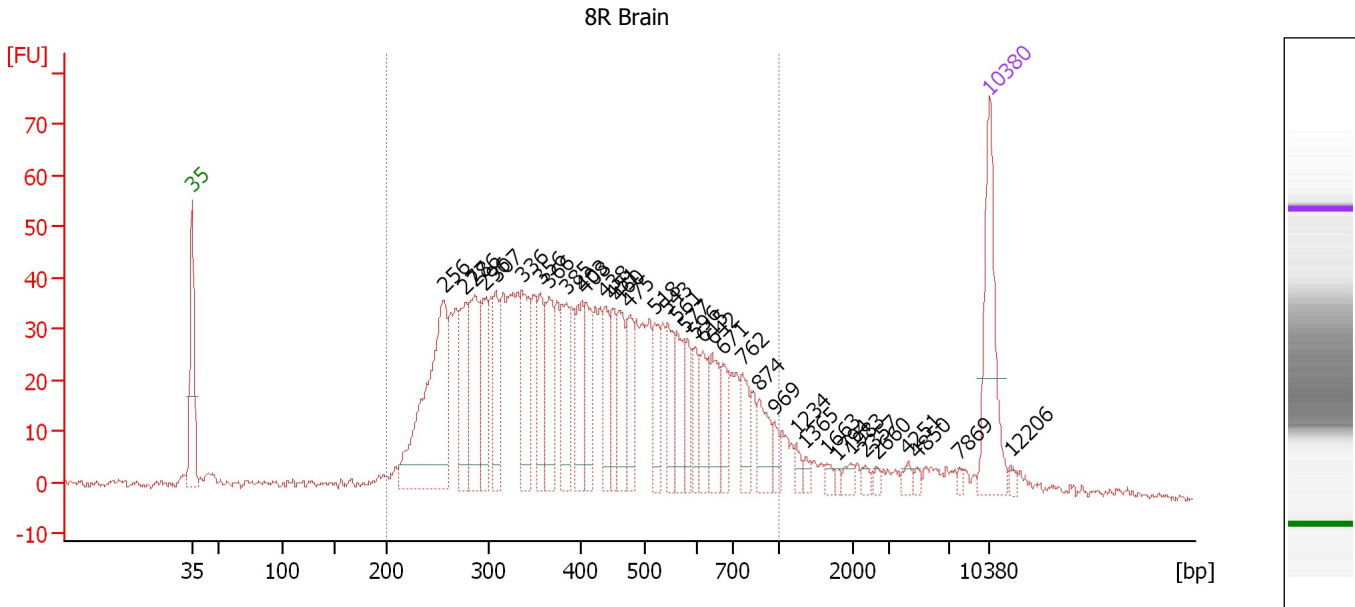
**Electropherogram Summary Continued ...****... Region table for sample 1 :      p483G**

| <b>From<br/>[bp]</b> | <b>To [bp]</b> | <b>Average Size<br/>[bp]</b> | <b>Corr.<br/>Area</b> | <b>Molarity<br/>[pmol/l]</b> | <b>Co Conc.<br/>lor [pg/μl]</b>  | <b>% of<br/>Total</b> | <b>Size distribution in<br/>CV [%]</b> |
|----------------------|----------------|------------------------------|-----------------------|------------------------------|--|-----------------------|--|
| 200                  | 1,000          | 425                          | 1,237.3               | 8,120.6                      |  1,985.02 | 93                    | 34.5                                   |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-03\2017-03-03\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 8R Brain**

Number of peaks found: 37      Corr. Area 1: 1,333.0  
 Noise: 0.8

**Peak table for sample 2 : 8R Brain**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker | 43.00                      |
| 2    | 256       | 225.77        | 1,336.4           |              | 65.12                      |
| 3    | 277       | 71.75         | 392.8             |              | 66.99                      |
| 4    | 286       | 94.26         | 499.1             |              | 67.83                      |
| 5    | 296       | 54.34         | 278.6             |              | 68.68                      |
| 6    | 307       | 53.70         | 264.8             |              | 69.66                      |
| 7    | 336       | 73.97         | 333.7             |              | 71.96                      |
| 8    | 356       | 51.19         | 217.7             |              | 73.60                      |
| 9    | 366       | 63.43         | 262.8             |              | 74.35                      |
| 10   | 385       | 56.12         | 220.9             |              | 75.89                      |
| 11   | 403       | 50.86         | 191.4             |              | 77.25                      |
| 12   | 408       | 44.14         | 164.1             |              | 77.53                      |
| 13   | 438       | 39.51         | 136.6             |              | 79.27                      |
| 14   | 451       | 41.65         | 139.8             |              | 80.01                      |
| 15   | 460       | 46.38         | 152.9             |              | 80.48                      |
| 16   | 475       | 39.39         | 125.6             |              | 81.37                      |
| 17   | 518       | 36.22         | 105.9             |              | 83.62                      |
| 18   | 543       | 41.46         | 115.7             |              | 84.75                      |
| 19   | 561       | 35.91         | 96.9              |              | 85.59                      |
| 20   | 577       | 27.51         | 72.3              |              | 86.29                      |
| 21   | 596       | 27.52         | 70.0              |              | 87.18                      |
| 22   | 615       | 33.94         | 83.6              |              | 87.84                      |
| 23   | 642       | 38.04         | 89.8              |              | 88.68                      |
| 24   | 671       | 27.69         | 62.5              |              | 89.62                      |
| 25   | 762       | 29.57         | 58.8              |              | 91.35                      |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-03\2017-03-03\_001.xad

Created: 3/3/2017 10:02:42 AM  
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### Electropherogram Summary Continued ...

#### ... Peak table for sample 2 : 8R Brain

| Peak | Size [bp] | Conc. [pg/ $\mu$ l] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------------|-------------------|--------------|----------------------------|
| 26   | 874       | 28.40               | 49.2              |              | 92.85                      |
| 27   | 969       | 10.95               | 17.1              |              | 94.12                      |
| 28   | 1,234     | 7.40                | 9.1               |              | 96.04                      |
| 29   | 1,365     | 5.78                | 6.4               |              | 96.88                      |
| 30   | 1,663     | 5.18                | 4.7               |              | 98.80                      |
| 31   | 1,794     | 3.10                | 2.6               |              | 99.65                      |
| 32   | 1,983     | 6.47                | 4.9               |              | 100.86                     |
| 33   | 2,357     | 4.58                | 2.9               |              | 102.13                     |
| 34   | 2,660     | 3.45                | 2.0               |              | 103.11                     |
| 35   | 4,251     | 5.67                | 2.0               |              | 105.88                     |
| 36   | 4,850     | 3.34                | 1.0               |              | 106.67                     |
| 37   | 7,869     | 2.90                | 0.6               |              | 110.42                     |
| 38   | 10,380    | 75.00               | 10.9              | Upper Marker | 113.00                     |
| 39   | 12,206    | 0.00                | 0.0               |              | 114.87                     |

#### Region table for sample 2 : 8R Brain

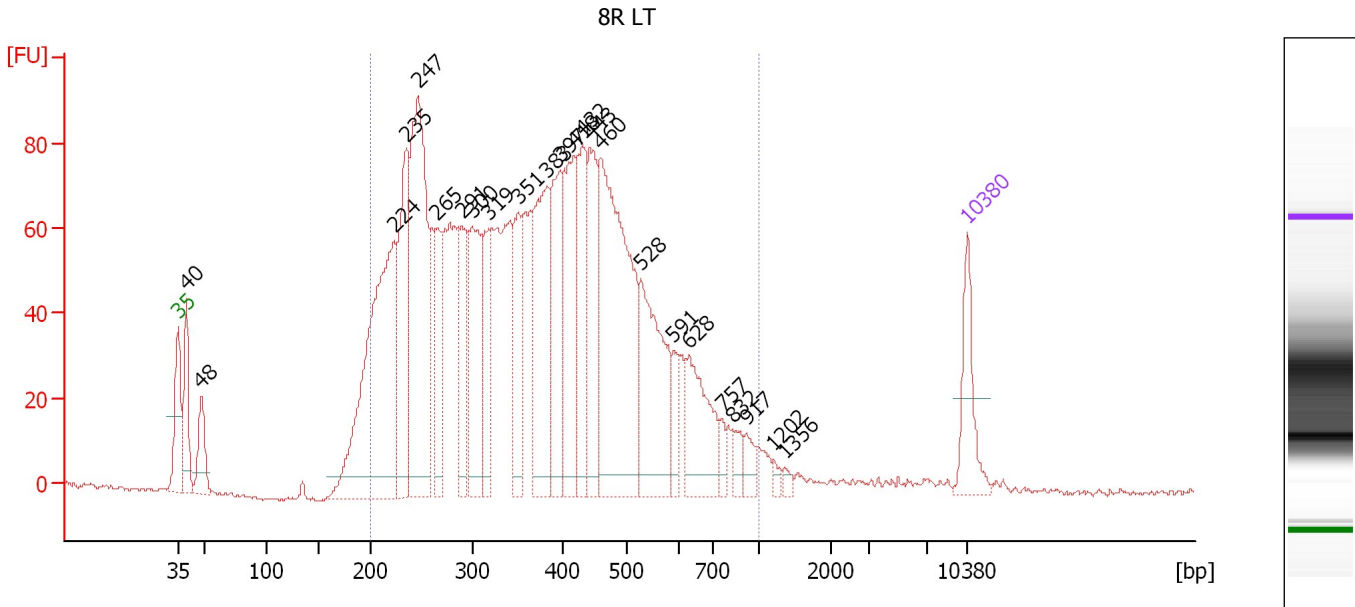
| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/ $\mu$ l] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------------|------------|-----------------------------|
| 200       | 1,000   | 438               | 1,333.0    | 8,135.2           | 1,974.15                   | 91         | 37.2                        |



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-03\2017-03-03\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 8R LT**

Number of peaks found: 24      Corr. Area 1: 2,571.3  
 Noise: 0.5

**Peak table for sample 3 : 8R LT**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker | 43.00                      |
| 2    | 40        | 133.42        | 5,112.3           |              | 43.71                      |
| 3    | 48        | 97.81         | 3,066.7           |              | 45.08                      |
| 4    | 224       | 646.23        | 4,378.0           |              | 62.20                      |
| 5    | 235       | 292.56        | 1,884.7           |              | 63.24                      |
| 6    | 247       | 523.60        | 3,208.3           |              | 64.33                      |
| 7    | 265       | 127.42        | 728.2             |              | 65.94                      |
| 8    | 291       | 138.78        | 722.9             |              | 68.26                      |
| 9    | 300       | 215.31        | 1,086.2           |              | 69.11                      |
| 10   | 319       | 145.37        | 691.3             |              | 70.57                      |
| 11   | 351       | 141.48        | 610.6             |              | 73.18                      |
| 12   | 383       | 282.03        | 1,115.9           |              | 75.73                      |
| 13   | 397       | 188.09        | 717.7             |              | 76.86                      |
| 14   | 418       | 226.73        | 821.1             |              | 78.14                      |
| 15   | 432       | 170.31        | 597.7             |              | 78.90                      |
| 16   | 443       | 175.79        | 600.7             |              | 79.56                      |
| 17   | 460       | 537.01        | 1,768.6           |              | 80.51                      |
| 18   | 528       | 255.13        | 732.3             |              | 84.05                      |
| 19   | 591       | 40.20         | 103.1             |              | 86.94                      |
| 20   | 628       | 145.99        | 352.0             |              | 88.26                      |
| 21   | 757       | 20.09         | 40.2              |              | 91.29                      |
| 22   | 832       | 24.17         | 44.0              |              | 92.28                      |
| 23   | 917       | 25.50         | 42.1              |              | 93.42                      |
| 24   | 1,202     | 9.25          | 11.7              |              | 95.83                      |
| 25   | 1,356     | 9.02          | 10.1              |              | 96.82                      |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-03\2017-03-03\_001.xad

Created: 3/3/2017 10:02:42 AM  
 Modified: 3/3/2017 10:43:59 AM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 3 : 8R LT

| Peak | Size [bp] | Conc. [pg/ $\mu$ l] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------------|-------------------|--------------|----------------------------|
| 26   | 10,380    | 75.00               | 10.9              | Upper Marker | 113.00                     |

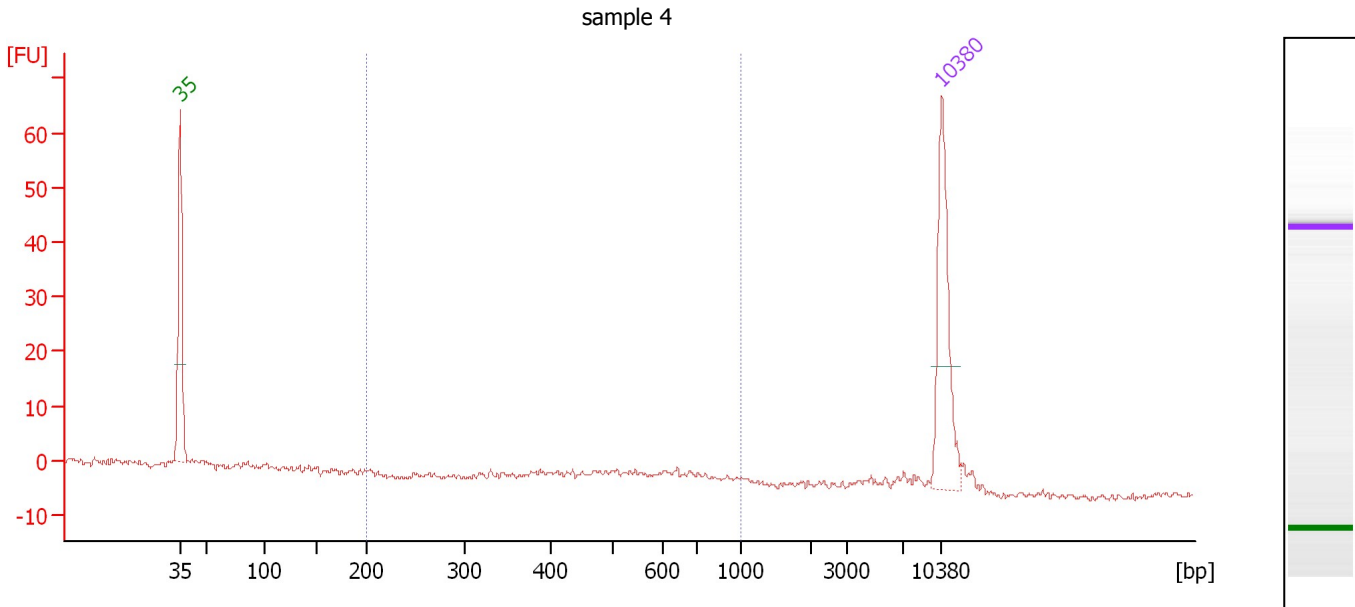
#### Region table for sample 3 : 8R LT

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/ $\mu$ l] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------------|------------|-----------------------------|
| 200       | 1,000   | 390               | 2,571.3    | 22,525.1          | 4,924.57                   | 93         | 35.8                        |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-03\2017-03-03\_001.xad

Created: 3/3/2017 10:02:42 AM  
 Modified: 3/3/2017 10:43:59 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : sample 4**

Number of peaks found: 0                      Corr. Area 1: 10.9  
 Noise: 0.6

**Peak table for sample 4 : sample 4**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker | 43.00                      |
| 2    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

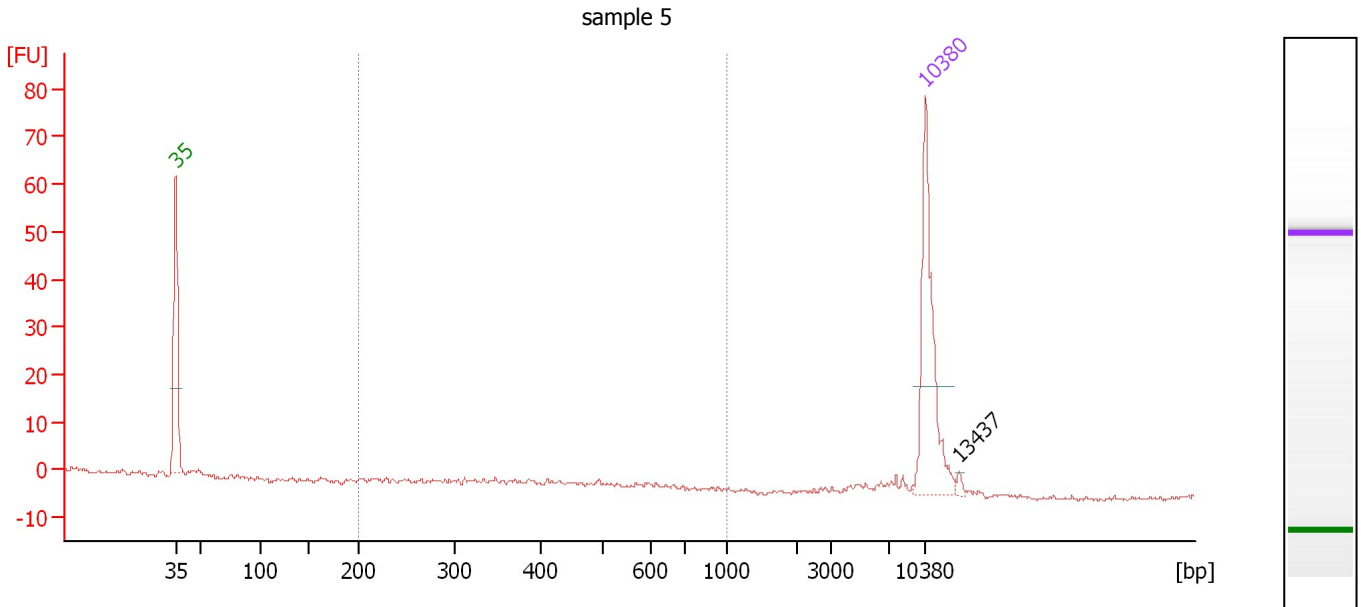
**Region table for sample 4 : sample 4**

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200       | 1,000   | 581               | 10.9       | 40.6              | 14.72                | 47         | 21.3                        |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-03\2017-03-03\_001.xad

Created: 3/3/2017 10:02:42 AM  
 Modified: 3/3/2017 10:43:59 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : sample 5**

Number of peaks found: 1                      Corr. Area 1: 0.5  
 Noise: 0.5

**Peak table for sample 5 : sample 5**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker | 43.00                      |
| 2    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |
| 3    | 13,437    | 0.00          | 0.0               |              | 116.14                     |

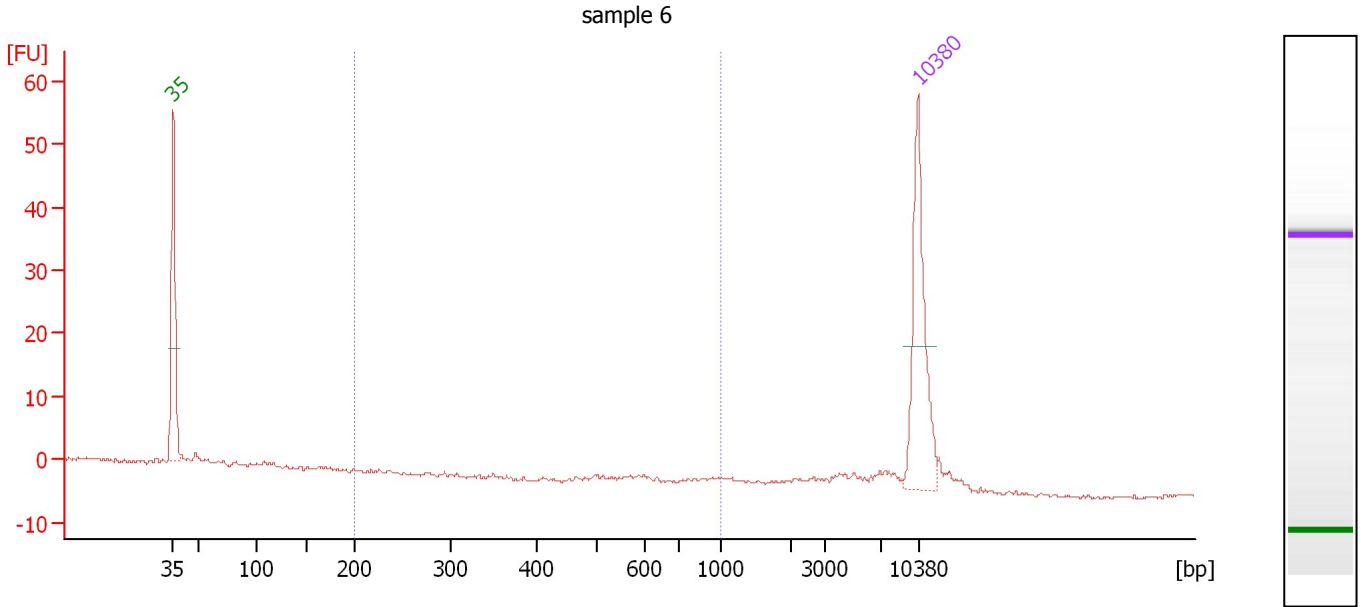
**Region table for sample 5 : sample 5**

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200       | 1,000   | 426               | 0.5        | 2.4               | 0.64                 | 6          | 18.4                        |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-03\2017-03-03\_001.xad

Created: 3/3/2017 10:02:42 AM  
 Modified: 3/3/2017 10:43:59 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : sample 6**

Number of peaks found: 0                      Corr. Area 1: 1.0  
 Noise: 0.3

**Peak table for sample 6 : sample 6**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker | 43.00                      |
| 2    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

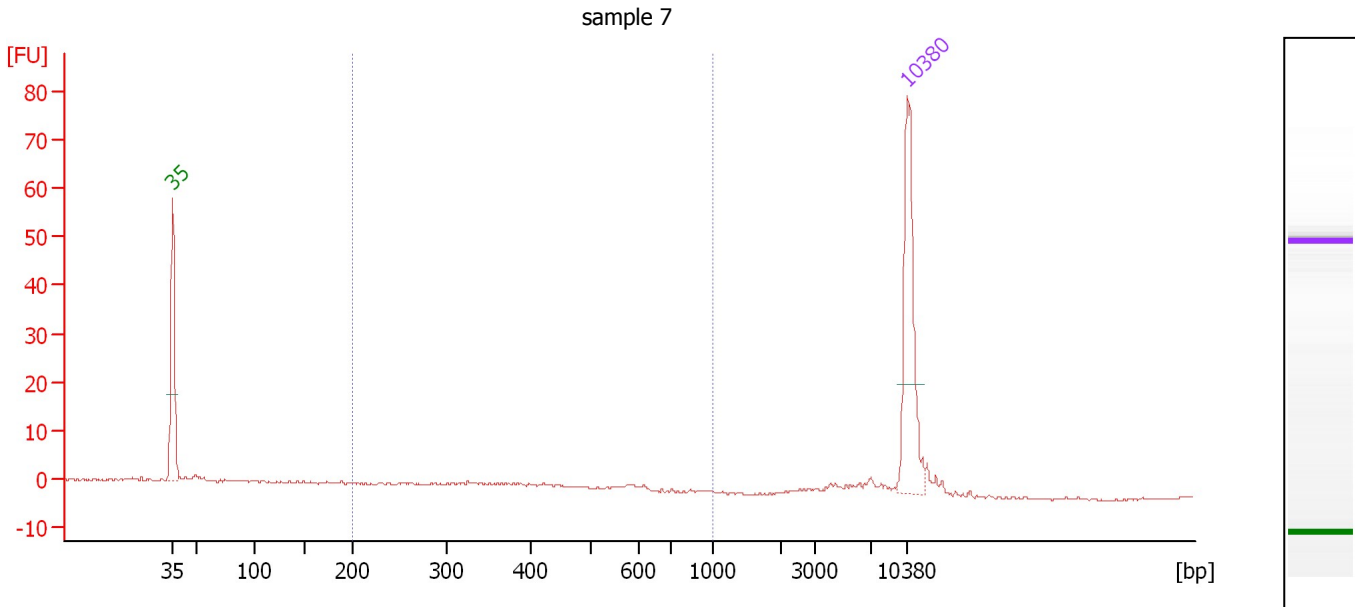
**Region table for sample 6 : sample 6**

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200       | 1,000   | 745               | 1.0        | 3.1               | 1.39                 | 4          | 24.3                        |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-03\2017-03-03\_001.xad

Created: 3/3/2017 10:02:42 AM  
 Modified: 3/3/2017 10:43:59 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : sample 7**

Number of peaks found: 0                      Corr. Area 1: 12.5  
 Noise: 0.2

**Peak table for sample 7 : sample 7**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker | 43.00                      |
| 2    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

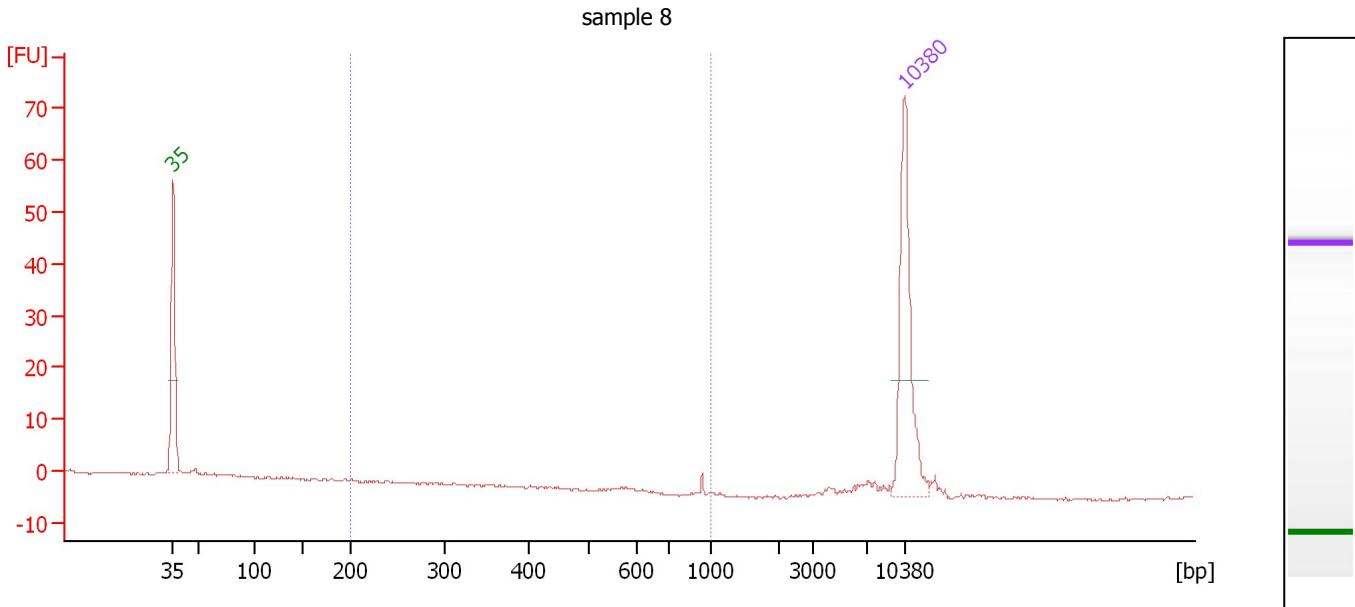
**Region table for sample 7 : sample 7**

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200       | 1,000   | 392               | 12.5       | 76.1              | 17.76                | 31         | 27.1                        |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-03\2017-03-03\_001.xad

Created: 3/3/2017 10:02:42 AM  
 Modified: 3/3/2017 10:43:59 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : sample 8**

Number of peaks found: 0                      Corr. Area 1: 0.4  
 Noise: 0.2

**Peak table for sample 8 : sample 8**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker | 43.00                      |
| 2    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

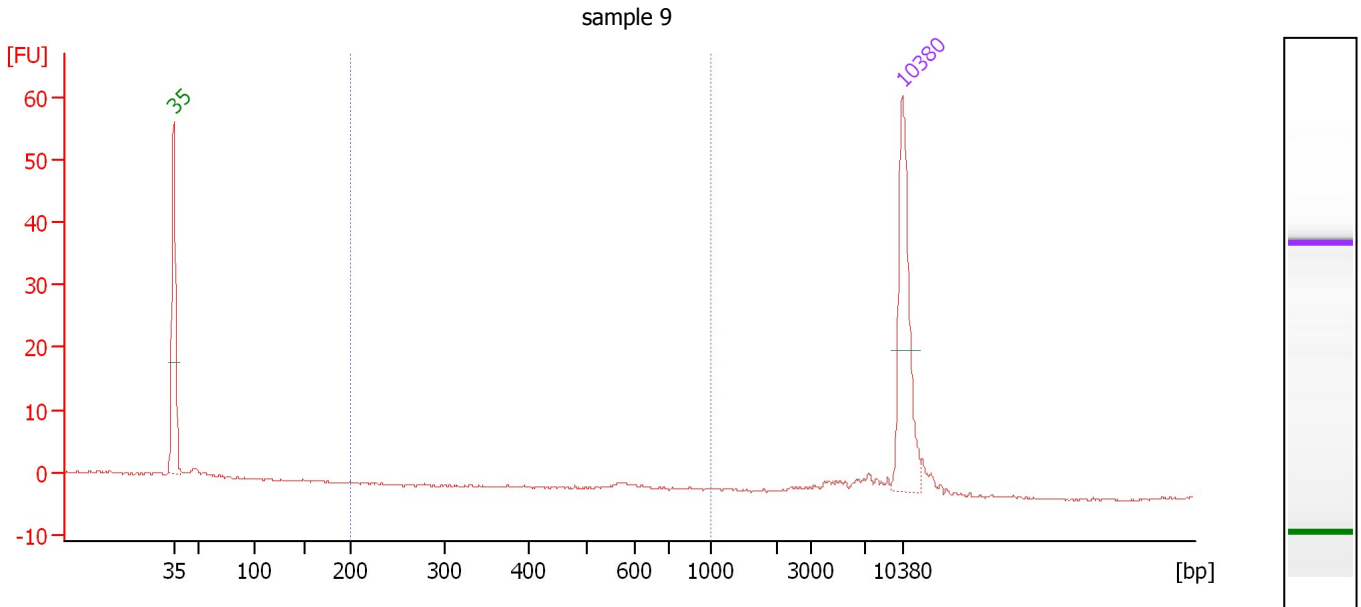
**Region table for sample 8 : sample 8**

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200       | 1,000   | 934               | 0.4        | 0.7               | 0.46                 | 6          | 0.5                         |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-03\2017-03-03\_001.xad

Created: 3/3/2017 10:02:42 AM  
 Modified: 3/3/2017 10:43:59 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : sample 9**

Number of peaks found: 0                      Corr. Area 1: 0.3  
 Noise: 0.2

**Peak table for sample 9 : sample 9**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker | 43.00                      |
| 2    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

**Region table for sample 9 : sample 9**

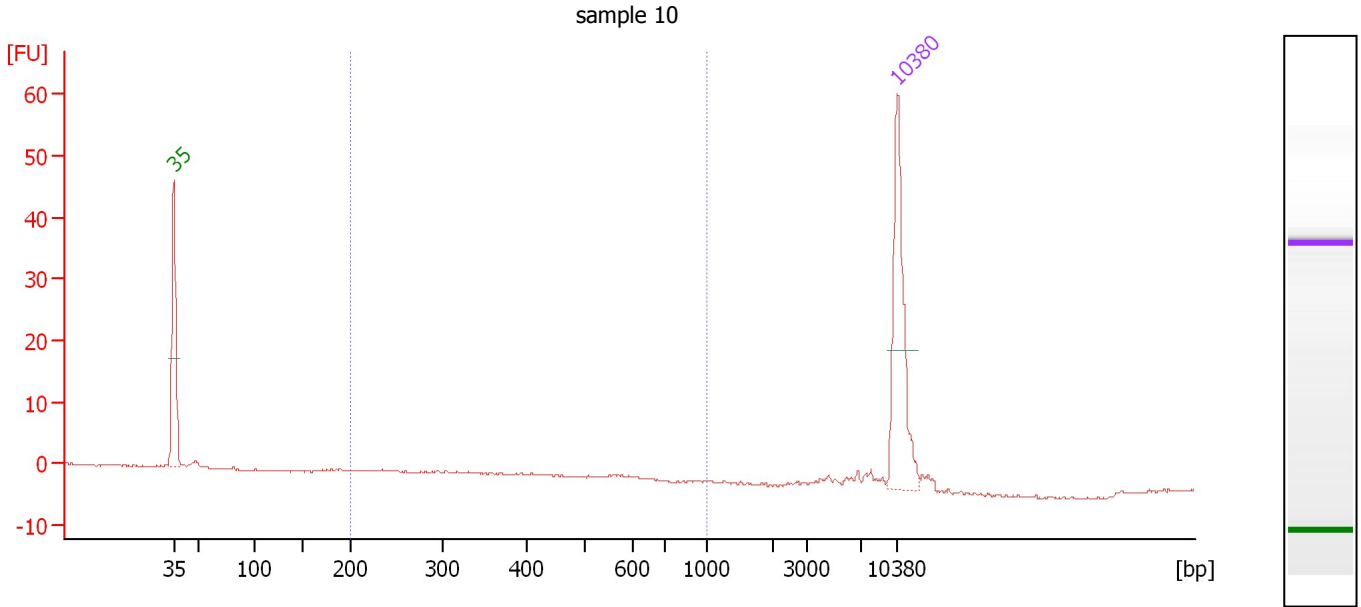
| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200       | 1,000   | 575               | 0.3        | 1.3               | 0.49                 | 2          | 4.1                         |



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-03\2017-03-03\_001.xad

Created: 3/3/2017 10:02:42 AM  
 Modified: 3/3/2017 10:43:59 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : sample 10**

Number of peaks found: 0                      Corr. Area 1: 2.4  
 Noise: 0.1

**Peak table for sample 10 : sample 10**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker | 43.00                      |
| 2    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

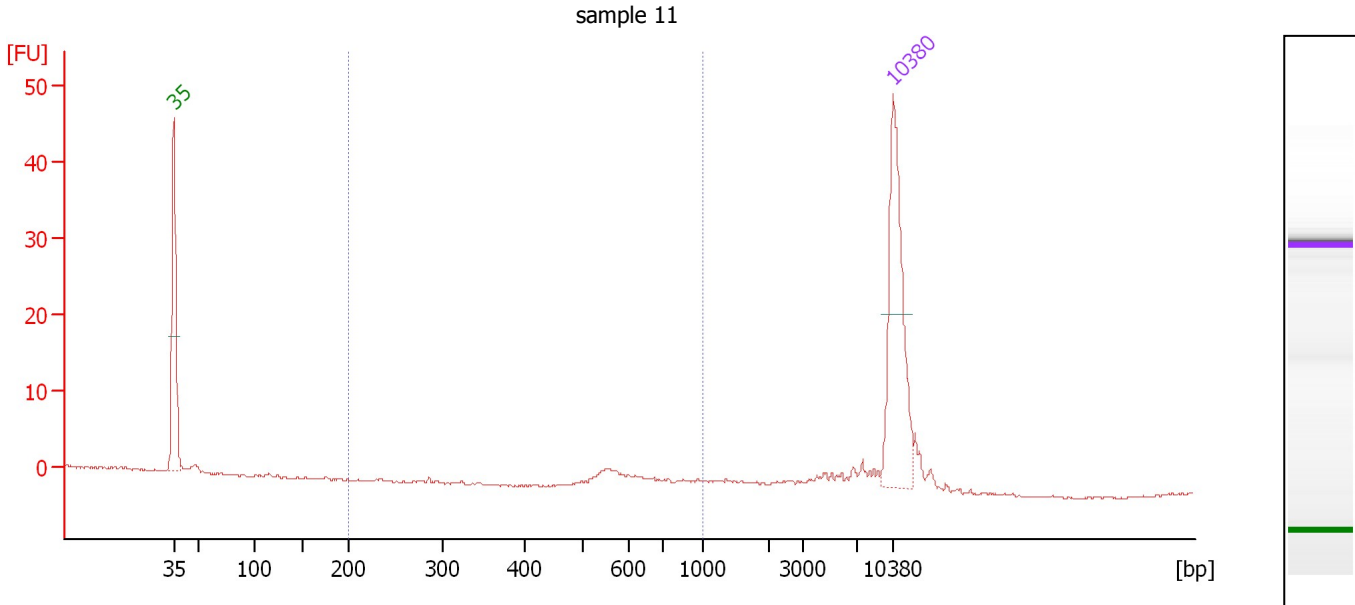
**Region table for sample 10 : sample 10**

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200       | 1,000   | 383               | 2.4        | 18.7              | 4.11                 | 24         | 31.8                        |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-03\2017-03-03\_001.xad

Created: 3/3/2017 10:02:42 AM  
 Modified: 3/3/2017 10:43:59 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : sample 11**

Number of peaks found: 0                      Corr. Area 1: 5.7  
 Noise: 0.1

**Peak table for sample 11 : sample 11**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker | 43.00                      |
| 2    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

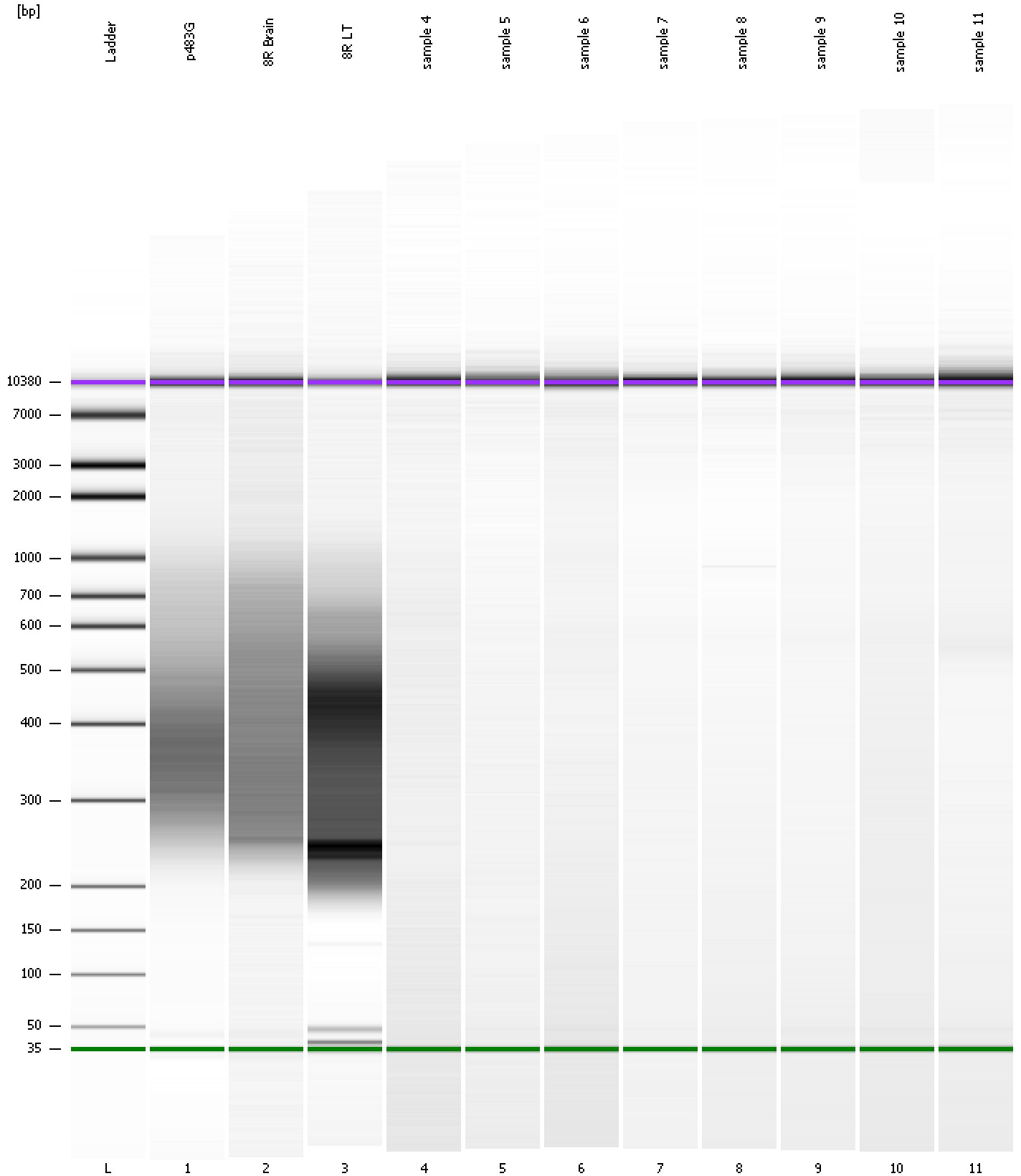
**Region table for sample 11 : sample 11**

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200       | 1,000   | 607               | 5.7        | 20.8              | 8.16                 | 23         | 15.9                        |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-03\2017-03-03\_001.xad

Created: 3/3/2017 10:02:42 AM  
Modified: 3/3/2017 10:43:59 AM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-03\2017-03-03\_001.xad

Created: 3/3/2017 10:02:42 AM  
 Modified: 3/3/2017 10:43:59 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      |              | 3/3/2017 10:43:58 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2017-03-03\2017-03-03_001.xad) |        | Instrument | Run      |              | 3/3/2017 10:02:47 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B  |        | Instrument | Run      |              | 3/3/2017 10:02:47 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name :   |        | Instrument | Run      |              | 3/3/2017 10:02:47 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies  |        | Instrument | Run      |              | 3/3/2017 10:02:47 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086   |        | Instrument | Run      |              | 3/3/2017 10:02:47 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069  |        | Instrument | Run      |              | 3/3/2017 10:02:47 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode  |        | Instrument | Run      |              | 3/3/2017 10:02:47 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |