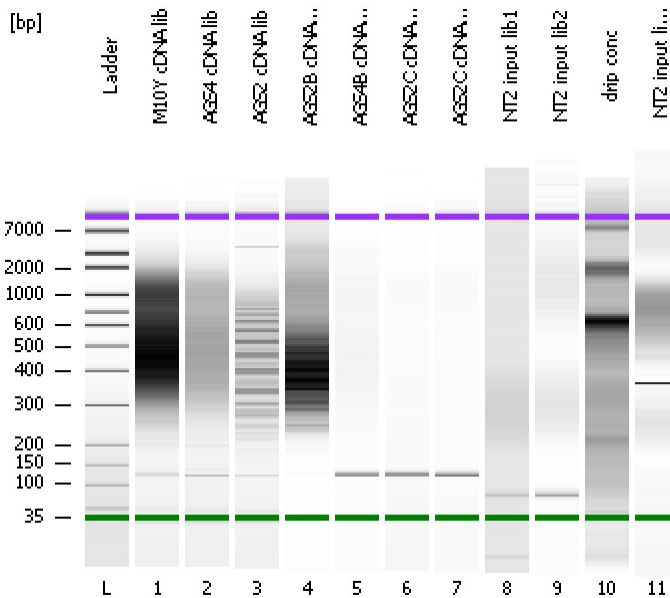


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-12\2013-04-12\_001.xad

Created: 4/12/2013 11:18:30 AM  
Modified: 4/12/2013 12:01:11 PM

### Electrophoresis File Run Summary



#### Instrument Information:

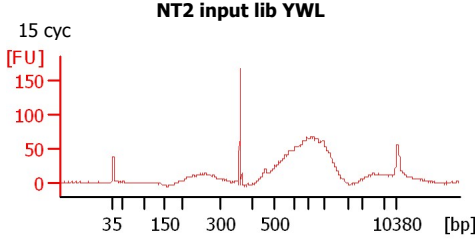
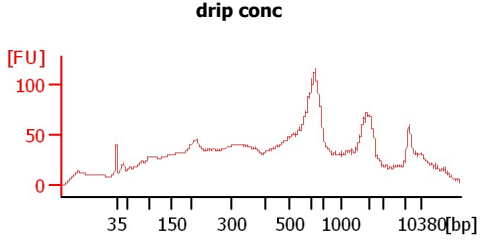
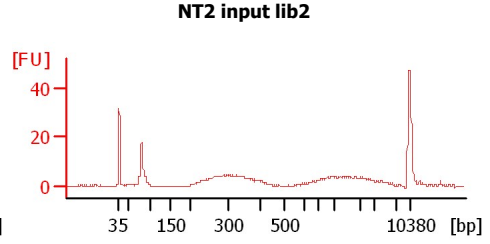
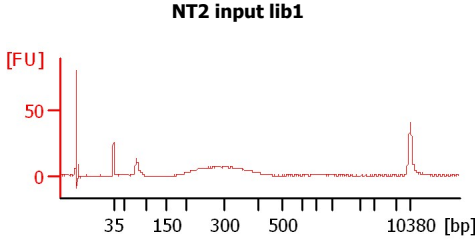
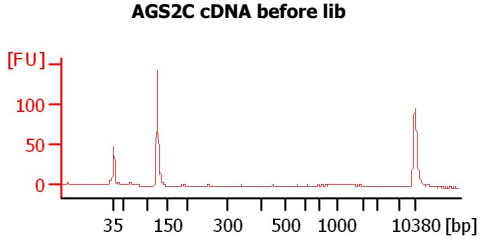
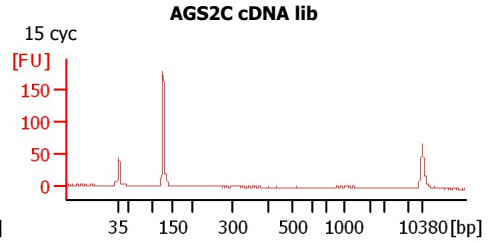
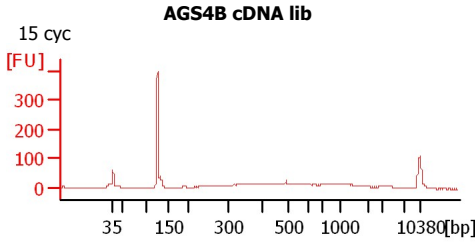
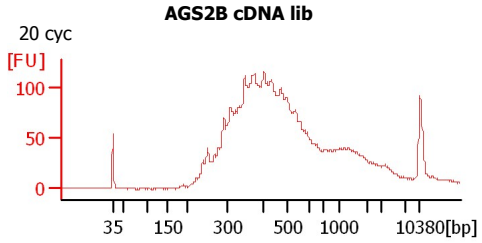
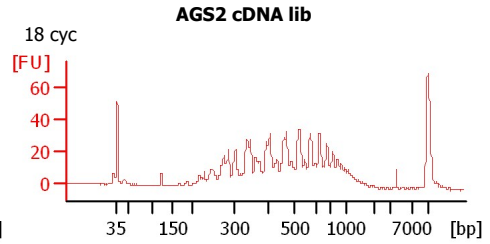
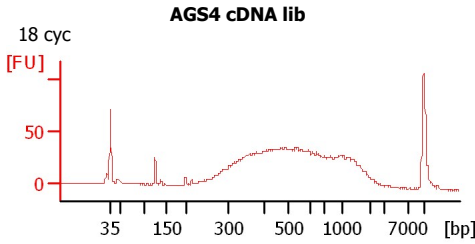
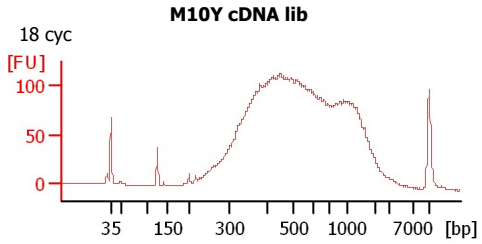
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

#### 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:



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-12\2013-04-12\_001.xad

Created: 4/12/2013 11:18:30 AM  
Modified: 4/12/2013 12:01:11 PM

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

| Sample Name           | Sample Comment | Rest. Digest             | Status | Observation | Result Label | Result Color |
|-----------------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| M10Y cDNA lib         | 18 cyc         | <input type="checkbox"/> | ✓      |             |              |              |
| AGS4 cDNA lib         | 18 cyc         | <input type="checkbox"/> | ✓      |             |              |              |
| AGS2 cDNA lib         | 18 cyc         | <input type="checkbox"/> | ✓      |             |              |              |
| AGS2B cDNA lib        | 20 cyc         | <input type="checkbox"/> | ✓      |             |              |              |
| AGS4B cDNA lib        | 15 cyc         | <input type="checkbox"/> | ✓      |             |              |              |
| AGS2C cDNA lib        | 15 cyc         | <input type="checkbox"/> | ✓      |             |              |              |
| AGS2C cDNA before lib |                | <input type="checkbox"/> | ✓      |             |              |              |
| NT2 input lib1        |                | <input type="checkbox"/> | ✓      |             |              |              |
| NT2 input lib2        |                | <input type="checkbox"/> | ✓      |             |              |              |
| drip conc             |                | <input type="checkbox"/> | ✓      |             |              |              |
| NT2 input lib YWL     | 15 cyc         | <input type="checkbox"/> | ✓      |             |              |              |
| Ladder                |                | <input type="checkbox"/> | ✓      |             |              |              |

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-12\2013-04-12\_001.xad

Created: 4/12/2013 11:18:30 AM  
Modified: 4/12/2013 12:01:11 PM

**Electrophoresis Assay Details**

**General Analysis Settings**

Number of Available Sample and Ladder Wells (Max.) : 12  
Minimum Visible Range [s] : 32  
Maximum Visible Range [s] : 138  
Start Analysis Time Range [s] : 33  
End Analysis Time Range [s] : 137.5  
Ladder Concentration [pg/μl] : 1950  
Uses Standard Area for Ladder Fragments  
Lower Marker Concentration [pg/μl] : 125  
Upper Marker Concentration [pg/μl] : 75  
Used Upper Marker for Quantitation  
Standard Curve Fit is Point to Point  
Show Data Aligned to Lower and Upper Marker

**Integrator Settings**

Integration Start Time [s] : 33.05  
Integration End Time [s] : 137  
Slope Threshold : 0.8  
Height Threshold [FU] : 5  
Area Threshold : 0.1  
Width Threshold [s] : 0.6  
Baseline Plateau [s] : 0.5

**Filter Settings**

Filter Width [s] : 0.5  
Polynomial Order : 4

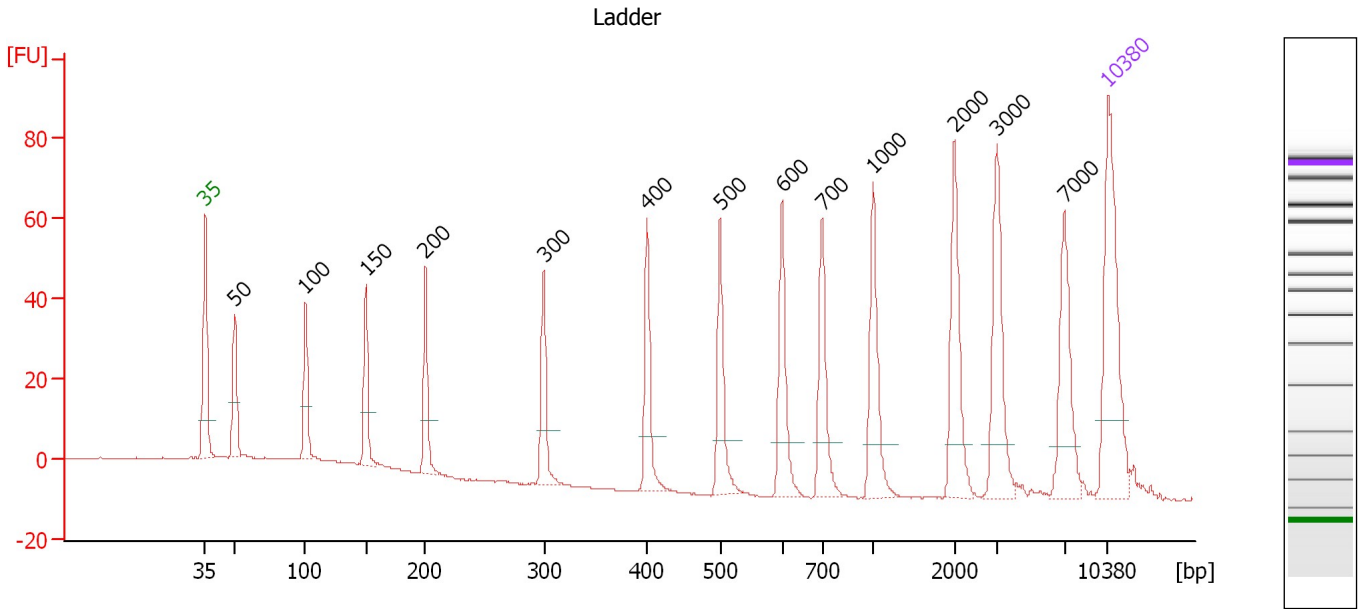
**Ladder**

| Ladder Peak | Size  | Area |
|-------------|-------|------|
| 1           | 35    | 160  |
| 2           | 50    | 210  |
| 3           | 100   | 208  |
| 4           | 150   | 221  |
| 5           | 200   | 242  |
| 6           | 300   | 270  |
| 7           | 400   | 305  |
| 8           | 500   | 306  |
| 9           | 600   | 336  |
| 10          | 700   | 321  |
| 11          | 1000  | 366  |
| 12          | 2000  | 413  |
| 13          | 3000  | 411  |
| 14          | 7000  | 400  |
| 15          | 10380 | 214  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-12\2013-04-12\_001.xad

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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

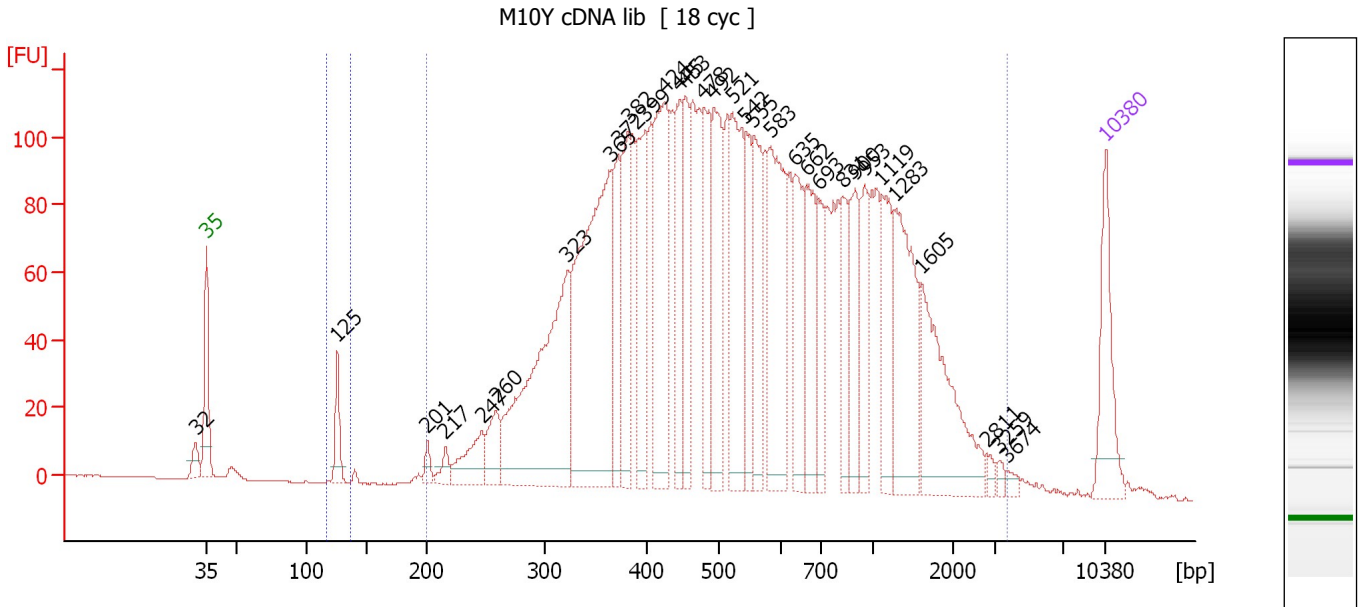
**Peak table for Ladder**

| 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 |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-12\2013-04-12\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : M10Y cDNA lib**

Number of peaks found: 32                      Corr. Area 1: 3,902.9  
 Noise: 0.1                                      Corr. Area 2: 29.8

**Peak table for sample 1 : M10Y cDNA lib**


| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 32        | 0.00          | 0.0               |              |
| 2    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 3    | 125       | 51.08         | 616.9             |              |
| 4    | 201       | 14.96         | 112.7             |              |
| 5    | 217       | 18.88         | 132.1             |              |
| 6    | 247       | 63.28         | 387.6             |              |
| 7    | 260       | 51.34         | 299.7             |              |
| 8    | 323       | 393.02        | 1,843.1           |              |
| 9    | 365       | 441.54        | 1,832.8           |              |
| 10   | 372       | 102.26        | 416.8             |              |
| 11   | 382       | 126.69        | 503.0             |              |
| 12   | 399       | 138.65        | 527.0             |              |
| 13   | 424       | 239.58        | 856.6             |              |
| 14   | 445       | 108.91        | 370.8             |              |
| 15   | 453       | 102.30        | 342.1             |              |
| 16   | 478       | 118.42        | 375.4             |              |
| 17   | 492       | 149.79        | 461.3             |              |
| 18   | 521       | 179.29        | 521.6             |              |
| 19   | 542       | 83.94         | 234.5             |              |
| 20   | 555       | 109.64        | 299.1             |              |
| 21   | 583       | 195.02        | 506.7             |              |
| 22   | 635       | 115.68        | 275.8             |              |
| 23   | 662       | 98.28         | 224.9             |              |
| 24   | 693       | 63.49         | 138.8             |              |
| 25   | 831       | 63.74         | 116.2             |              |
| 26   | 900       | 82.52         | 138.9             |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-12\2013-04-12\_001.xad



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### Electropherogram Summary Continued ...

#### ... Peak table for sample 1 : M10Y cDNA lib

| Peak | Size [bp]  | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|--|---------------|-------------------|--------------|
| 27   | 953  | 77.01         | 122.4             |              |
| 28   | 1,119  | 86.49         | 117.1             |              |
| 29   | 1,283  | 157.65        | 186.1             |              |
| 30   | 1,605  | 158.49        | 149.6             |              |
| 31   | 2,811  | 6.77          | 3.6               |              |
| 32   | 3,259  | 5.74          | 2.7               |              |
| 33   | 3,674  | 6.20          | 2.6               |              |
| 34   |  10,380 | 75.00         | 10.9              | Upper Marker |

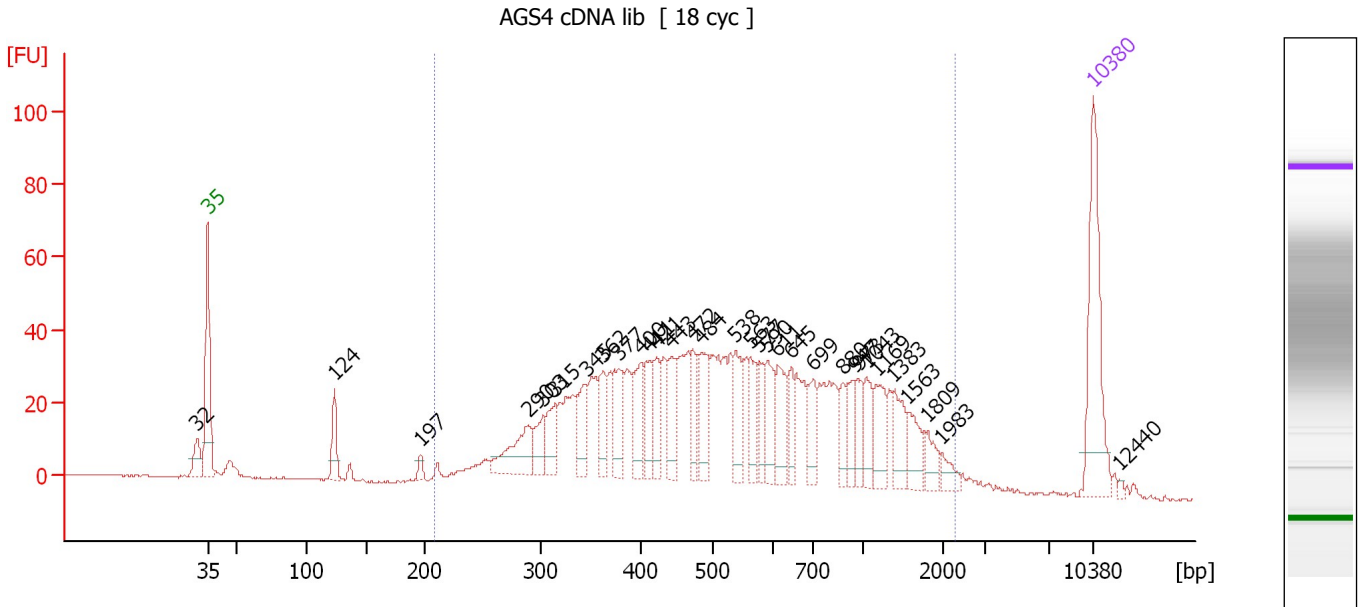
#### Region table for sample 1 : M10Y cDNA lib

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color   |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|---|
| 117       | 136     | 126               | 587.5             | 48.69         | 29.8       | 1          | 1.3                         |  |
| 200       | 3,667   | 678               | 13,929.6          | 4,353.55      | 3,902.9    | 98         | 67.4                        |  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-12\2013-04-12\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : AGS4 cDNA lib**

Number of peaks found: 32                      Corr. Area 1: 1,332.4  
 Noise: 0.3

**Peak table for sample 2 : AGS4 cDNA lib**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 32        | 0.00          | 0.0               |              |
| 2    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 3    | 124       | 29.78         | 365.2             |              |
| 4    | 197       | 6.26          | 48.1              |              |
| 5    | 290       | 48.18         | 252.0             |              |
| 6    | 303       | 22.89         | 114.3             |              |
| 7    | 315       | 29.66         | 142.7             |              |
| 8    | 345       | 32.93         | 144.5             |              |
| 9    | 362       | 31.85         | 133.2             |              |
| 10   | 377       | 41.38         | 166.1             |              |
| 11   | 400       | 35.34         | 134.0             |              |
| 12   | 411       | 32.98         | 121.5             |              |
| 13   | 421       | 27.43         | 98.7              |              |
| 14   | 443       | 31.42         | 107.6             |              |
| 15   | 472       | 26.35         | 84.5              |              |
| 16   | 484       | 41.64         | 130.3             |              |
| 17   | 538       | 33.15         | 93.4              |              |
| 18   | 563       | 25.67         | 69.1              |              |
| 19   | 577       | 21.46         | 56.3              |              |
| 20   | 590       | 30.11         | 77.3              |              |
| 21   | 611       | 31.65         | 78.5              |              |
| 22   | 645       | 19.48         | 45.8              |              |
| 23   | 699       | 23.28         | 50.4              |              |
| 24   | 880       | 15.90         | 27.4              |              |
| 25   | 947       | 19.44         | 31.1              |              |
| 26   | 973       | 19.44         | 30.3              |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-12\2013-04-12\_001.xad


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### Electropherogram Summary Continued ...

#### ... Peak table for sample 2 : AGS4 cDNA lib

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27   | 1,043     | 21.06         | 30.6              |              |
| 28   | 1,169     | 27.36         | 35.4              |              |
| 29   | 1,383     | 24.92         | 27.3              |              |
| 30   | 1,563     | 20.86         | 20.2              |              |
| 31   | 1,809     | 12.43         | 10.4              |              |
| 32   | 1,983     | 9.34          | 7.1               |              |
| 33   | 10,380    | 75.00         | 10.9              | Upper Marker |
| 34   | 12,440    | 0.00          | 0.0               |              |

#### Region table for sample 2 : AGS4 cDNA lib

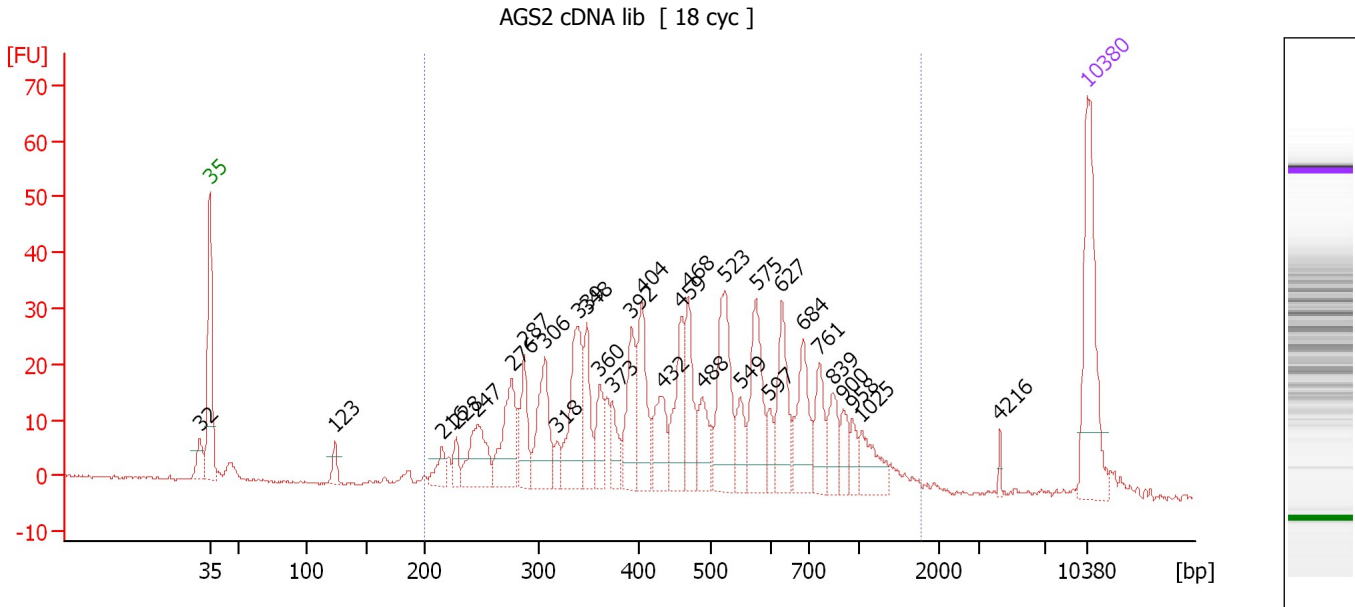
| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color   |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|---|
| 210       | 2,290   | 651               | 4,430.2           | 1,360.70      | 1,332.4    | 92         | 60.7                        |  |



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-12\2013-04-12\_001.xad

Created: 4/12/2013 11:18:30 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : AGS2 cDNA lib**

Number of peaks found: 31                      Corr. Area 1: 738.2  
 Noise: 0.3

**Peak table for sample 3 : AGS2 cDNA lib**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 32        | 0.00          | 0.0               |              |
| 2    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 3    | 123       | 13.78         | 169.6             |              |
| 4    | 216       | 18.31         | 128.7             |              |
| 5    | 228       | 13.63         | 90.5              |              |
| 6    | 247       | 54.18         | 333.0             |              |
| 7    | 276       | 63.45         | 348.1             |              |
| 8    | 287       | 37.98         | 200.3             |              |
| 9    | 306       | 62.69         | 310.8             |              |
| 10   | 318       | 11.52         | 54.9              |              |
| 11   | 339       | 78.38         | 350.8             |              |
| 12   | 348       | 37.80         | 164.8             |              |
| 13   | 360       | 28.79         | 121.1             |              |
| 14   | 373       | 23.22         | 94.3              |              |
| 15   | 392       | 47.61         | 184.0             |              |
| 16   | 404       | 56.13         | 210.6             |              |
| 17   | 432       | 37.56         | 131.9             |              |
| 18   | 459       | 51.98         | 171.8             |              |
| 19   | 468       | 44.58         | 144.2             |              |
| 20   | 488       | 31.48         | 97.8              |              |
| 21   | 523       | 78.16         | 226.5             |              |
| 22   | 549       | 22.66         | 62.5              |              |
| 23   | 575       | 60.10         | 158.3             |              |
| 24   | 597       | 14.52         | 36.8              |              |
| 25   | 627       | 49.31         | 119.1             |              |
| 26   | 684       | 49.22         | 109.5             |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-12\2013-04-12\_001.xad


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### Electropherogram Summary Continued ...

#### ... Peak table for sample 3 : AGS2 cDNA lib

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27   | 761       | 29.94         | 59.6              |              |
| 28   | 839       | 23.97         | 43.3              |              |
| 29   | 900       | 15.97         | 26.9              |              |
| 30   | 958       | 11.94         | 18.9              |              |
| 31   | 1,025     | 26.19         | 38.7              |              |
| 32   | 4,216     | 2.98          | 1.1               |              |
| 33   | ▶ 10,380  | 75.00         | 10.9              | Upper Marker |

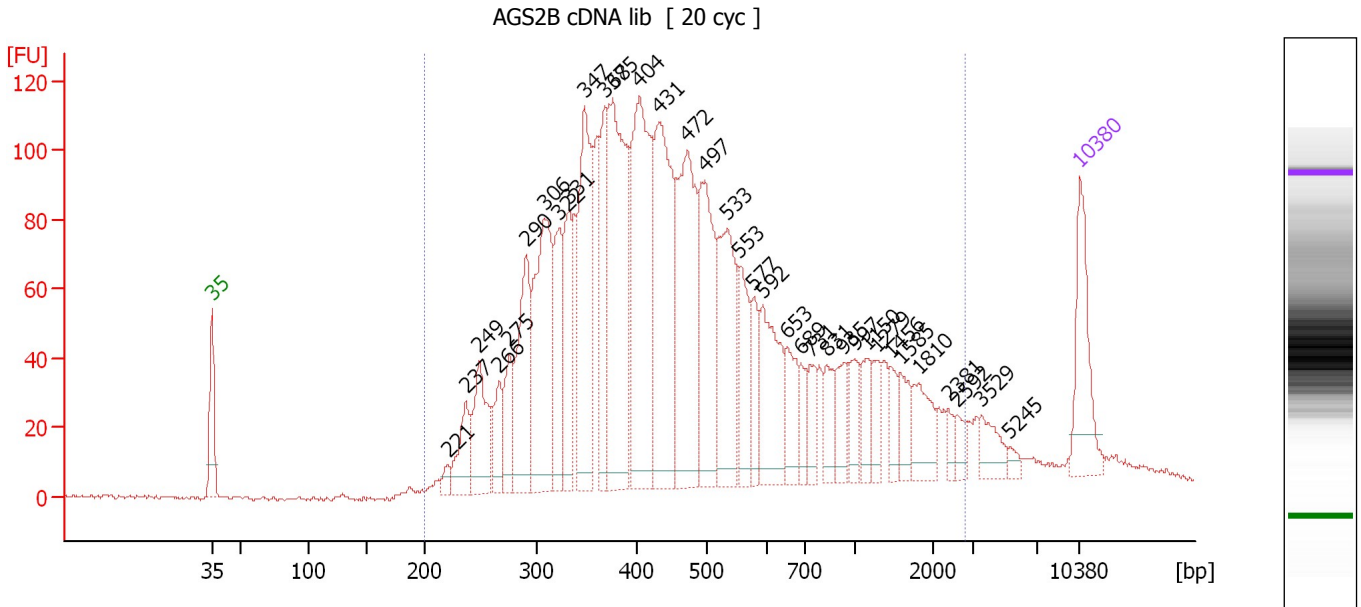
#### Region table for sample 3 : AGS2 cDNA lib

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color   |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|---|
| 200       | 1,786   | 519               | 4,079.5           | 1,102.39      | 738.2      | 94         | 46.7                        |  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-12\2013-04-12\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : AGS2B cDNA lib**

Number of peaks found: 35                      Corr. Area 1: 3,085.3  
 Noise: 0.6

**Peak table for sample 4 : AGS2B cDNA lib**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 221       | 14.36         | 98.4              |              |
| 3    | 237       | 63.41         | 405.5             |              |
| 4    | 249       | 105.01        | 639.9             |              |
| 5    | 266       | 51.51         | 292.9             |              |
| 6    | 275       | 62.23         | 342.4             |              |
| 7    | 290       | 157.11        | 821.2             |              |
| 8    | 306       | 239.09        | 1,183.4           |              |
| 9    | 322       | 114.77        | 540.6             |              |
| 10   | 331       | 106.06        | 485.0             |              |
| 11   | 347       | 233.60        | 1,018.9           |              |
| 12   | 368       | 109.74        | 452.1             |              |
| 13   | 375       | 309.06        | 1,247.9           |              |
| 14   | 404       | 314.25        | 1,179.5           |              |
| 15   | 431       | 262.31        | 922.2             |              |
| 16   | 472       | 251.26        | 806.6             |              |
| 17   | 497       | 179.72        | 547.9             |              |
| 18   | 533       | 160.43        | 455.8             |              |
| 19   | 553       | 75.26         | 206.2             |              |
| 20   | 577       | 47.10         | 123.6             |              |
| 21   | 592       | 112.68        | 288.2             |              |
| 22   | 653       | 54.85         | 127.2             |              |
| 23   | 689       | 25.77         | 56.6              |              |
| 24   | 731       | 32.52         | 67.4              |              |
| 25   | 831       | 33.41         | 60.9              |              |
| 26   | 935       | 36.98         | 59.9              |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-12\2013-04-12\_001.xad


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**Electropherogram Summary Continued ...**

**... Peak table for sample 4 : AGS2B cDNA lib**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27   | 997       | 32.09         | 48.8              |              |
| 28   | 1,150     | 31.31         | 41.2              |              |
| 29   | 1,279     | 27.24         | 32.3              |              |
| 30   | 1,456     | 22.89         | 23.8              |              |
| 31   | 1,585     | 30.12         | 28.8              |              |
| 32   | 1,810     | 45.31         | 37.9              |              |
| 33   | 2,381     | 11.61         | 7.4               |              |
| 34   | 2,592     | 13.08         | 7.6               |              |
| 35   | 3,529     | 26.42         | 11.3              |              |
| 36   | 5,245     | 7.23          | 2.1               |              |
| 37   | ▶ 10,380  | 75.00         | 10.9              | Upper Marker |

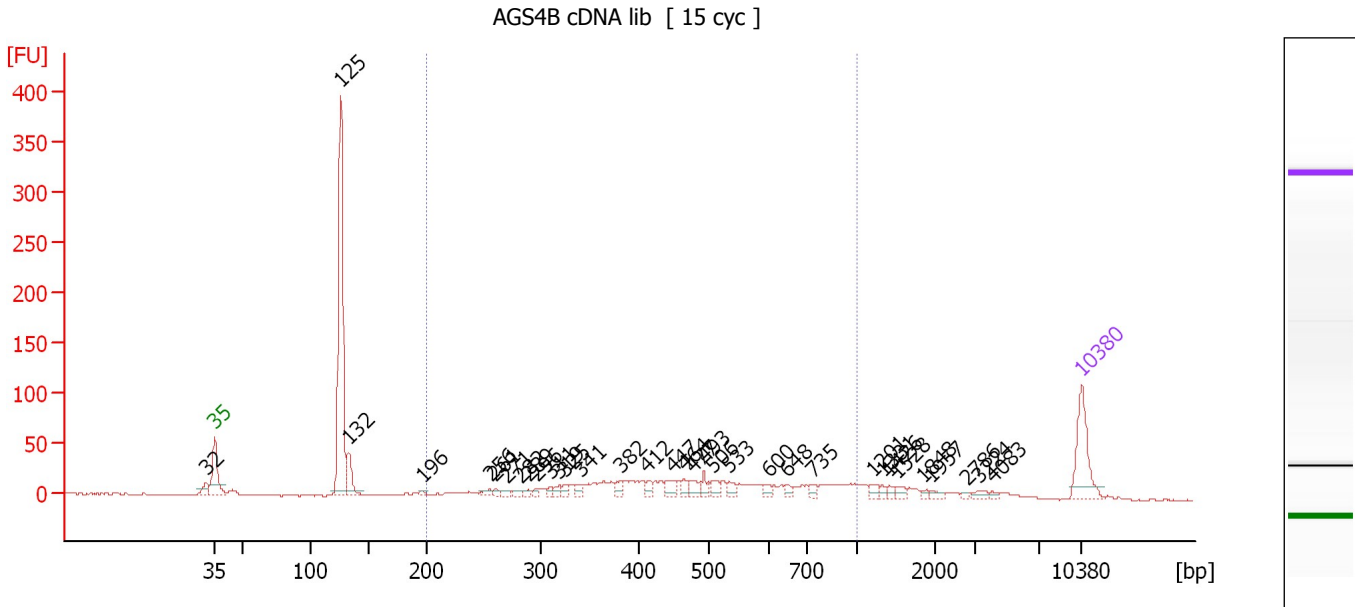
**Region table for sample 4 : AGS2B cDNA lib**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color   |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|---|
| 200       | 2,804   | 578               | 13,284.6          | 3,611.41      | 3,085.3    | 97         | 74.4                        |  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-12\2013-04-12\_001.xad

Created: 4/12/2013 11:18:30 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : AGS4B cDNA lib**

Number of peaks found: 34                      Corr. Area 1: 494.2  
 Noise: 0.7

**Peak table for sample 5 : AGS4B cDNA lib**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 32        | 0.00          | 0.0               |              |
| 2    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 3    | 125       | 489.54        | 5,918.8           |              |
| 4    | 132       | 57.62         | 660.5             |              |
| 5    | 196       | 5.14          | 39.7              |              |
| 6    | 256       | 10.03         | 59.2              |              |
| 7    | 261       | 7.66          | 44.5              |              |
| 8    | 271       | 6.88          | 38.5              |              |
| 9    | 282       | 7.06          | 37.9              |              |
| 10   | 289       | 6.86          | 35.9              |              |
| 11   | 296       | 6.51          | 33.3              |              |
| 12   | 311       | 7.69          | 37.5              |              |
| 13   | 319       | 10.50         | 49.9              |              |
| 14   | 325       | 10.31         | 48.1              |              |
| 15   | 341       | 11.81         | 52.5              |              |
| 16   | 382       | 15.11         | 60.0              |              |
| 17   | 412       | 13.62         | 50.1              |              |
| 18   | 447       | 20.06         | 68.0              |              |
| 19   | 464       | 12.01         | 39.2              |              |
| 20   | 477       | 19.97         | 63.4              |              |
| 21   | 493       | 14.32         | 44.0              |              |
| 22   | 506       | 15.32         | 45.8              |              |
| 23   | 533       | 14.12         | 40.1              |              |
| 24   | 600       | 9.79          | 24.7              |              |
| 25   | 648       | 9.19          | 21.5              |              |
| 26   | 735       | 8.15          | 16.8              |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-12\2013-04-12\_001.xad


Created: 4/12/2013 11:18:30 AM  
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**Electropherogram Summary Continued ...**

**... Peak table for sample 5 : AGS4B cDNA lib**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27   | 1,201     | 9.39          | 11.8              |              |
| 28   | 1,331     | 5.99          | 6.8               |              |
| 29   | 1,426     | 6.15          | 6.5               |              |
| 30   | 1,528     | 9.37          | 9.3               |              |
| 31   | 1,848     | 4.17          | 3.4               |              |
| 32   | 1,957     | 6.63          | 5.1               |              |
| 33   | 2,786     | 2.86          | 1.6               |              |
| 34   | 3,224     | 8.30          | 3.9               |              |
| 35   | 4,083     | 3.64          | 1.4               |              |
| 36   | ▶ 10,380  | 75.00         | 10.9              | Upper Marker |

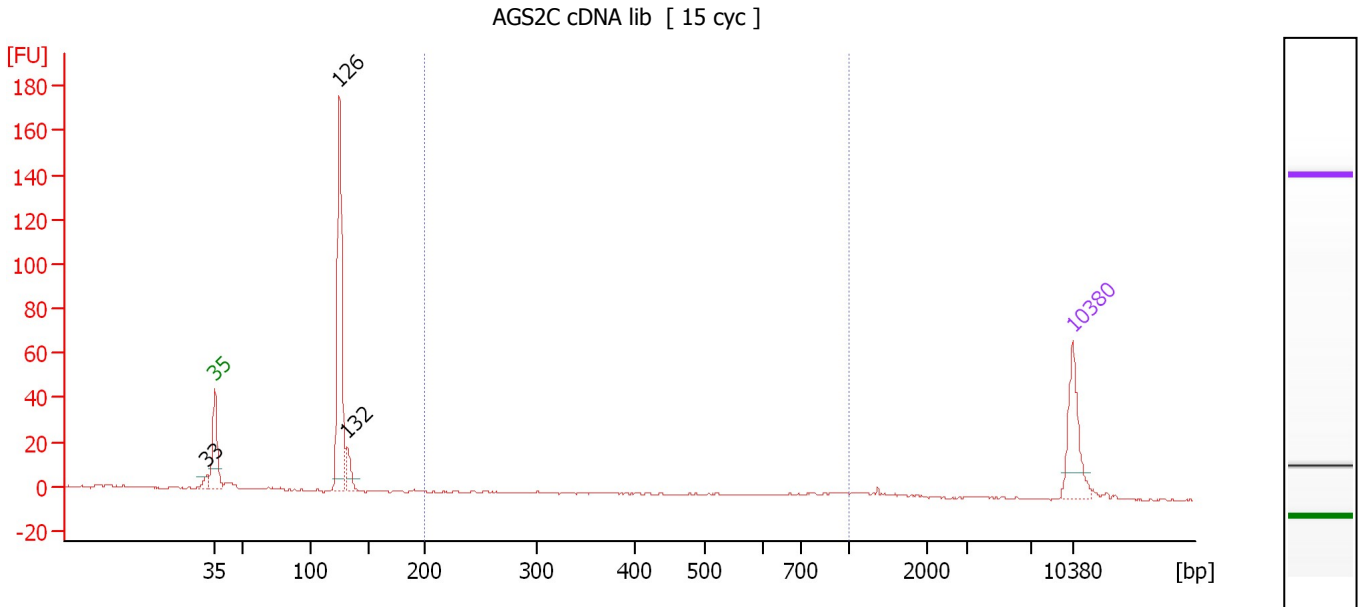
**Region table for sample 5 : AGS4B cDNA lib**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color   |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|---|
| 200       | 1,000   | 497               | 1,843.6           | 508.24        | 494.2      | 48         | 36.0                        |  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-12\2013-04-12\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : AGS2C cDNA lib**

Number of peaks found: 3                      Corr. Area 1: 5.1  
 Noise: 0.3

**Peak table for sample 6 : AGS2C cDNA lib**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 33        | 0.00          | 0.0               |              |
| 2    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 3    | 126       | 376.61        | 4,545.6           |              |
| 4    | 132       | 42.78         | 491.1             |              |
| 5    | 10,380    | 75.00         | 10.9              | Upper Marker |

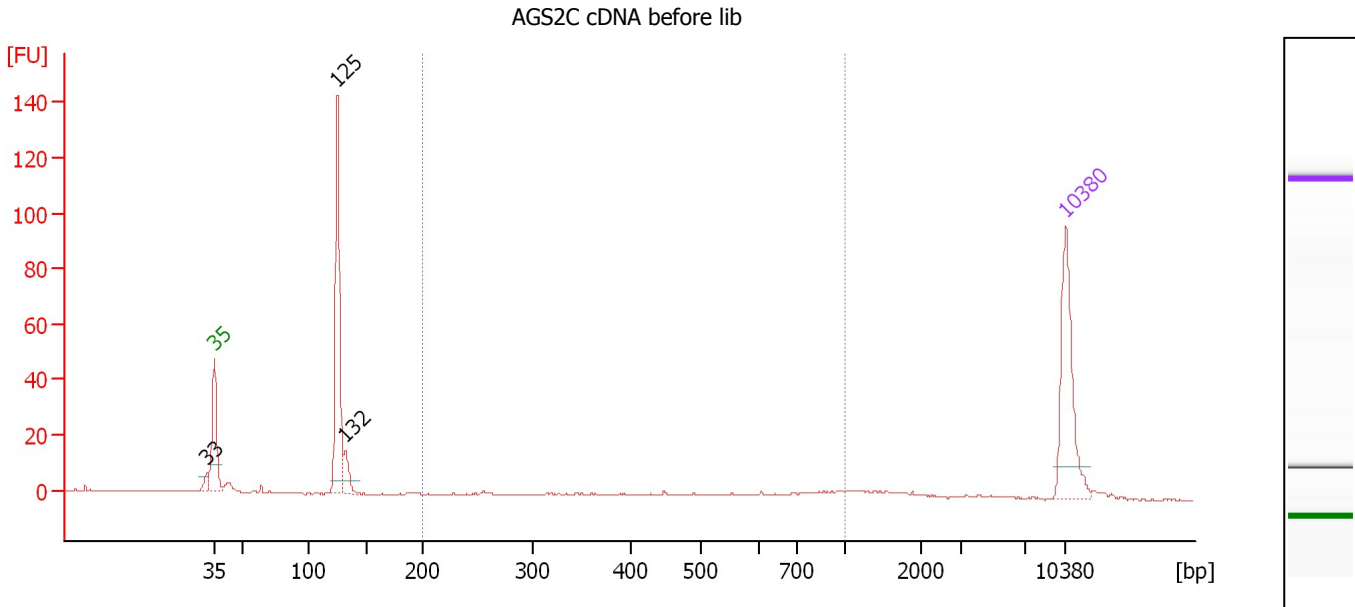
**Region table for sample 6 : AGS2C cDNA lib**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 200       | 1,000   | 772               | 19.0              | 8.11          | 5.1        | 2          | 25.4                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-12\2013-04-12\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : AGS2C cDNA before lib**

Number of peaks found: 3                      Corr. Area 1: 23.4  
 Noise: 0.2

**Peak table for sample 7 : AGS2C cDNA before lib**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 33        | 0.00          | 0.0               |              |
| 2    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 3    | 125       | 189.51        | 2,298.0           |              |
| 4    | 132       | 25.59         | 293.9             |              |
| 5    | 10,380    | 75.00         | 10.9              | Upper Marker |

**Region table for sample 7 : AGS2C cDNA before lib**

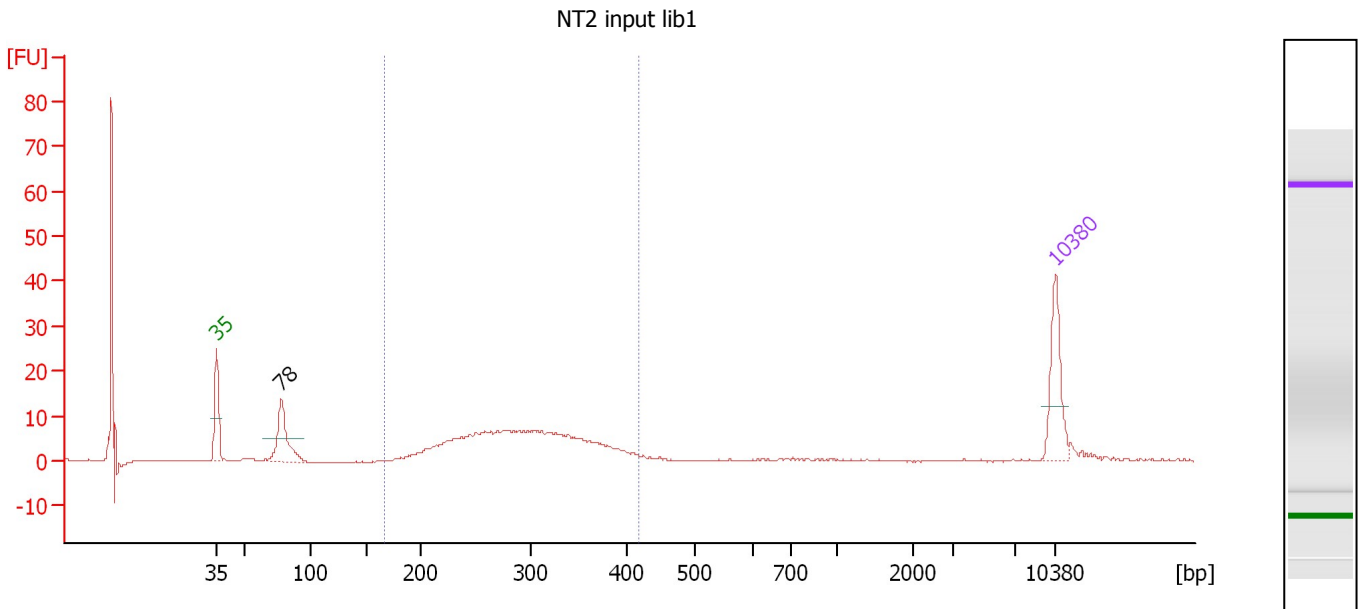
| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 200       | 1,000   | 635               | 70.5              | 24.84         | 23.4       | 12         | 32.1                        | Blue  |



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-12\2013-04-12\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : NT2 input lib1**

Number of peaks found: 1                      Corr. Area 1: 134.1  
 Noise: 0.1

**Peak table for sample 8 : NT2 input lib1**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 78        | 115.74        | 2,244.8           |              |
| 3    | 10,380    | 75.00         | 10.9              | Upper Marker |

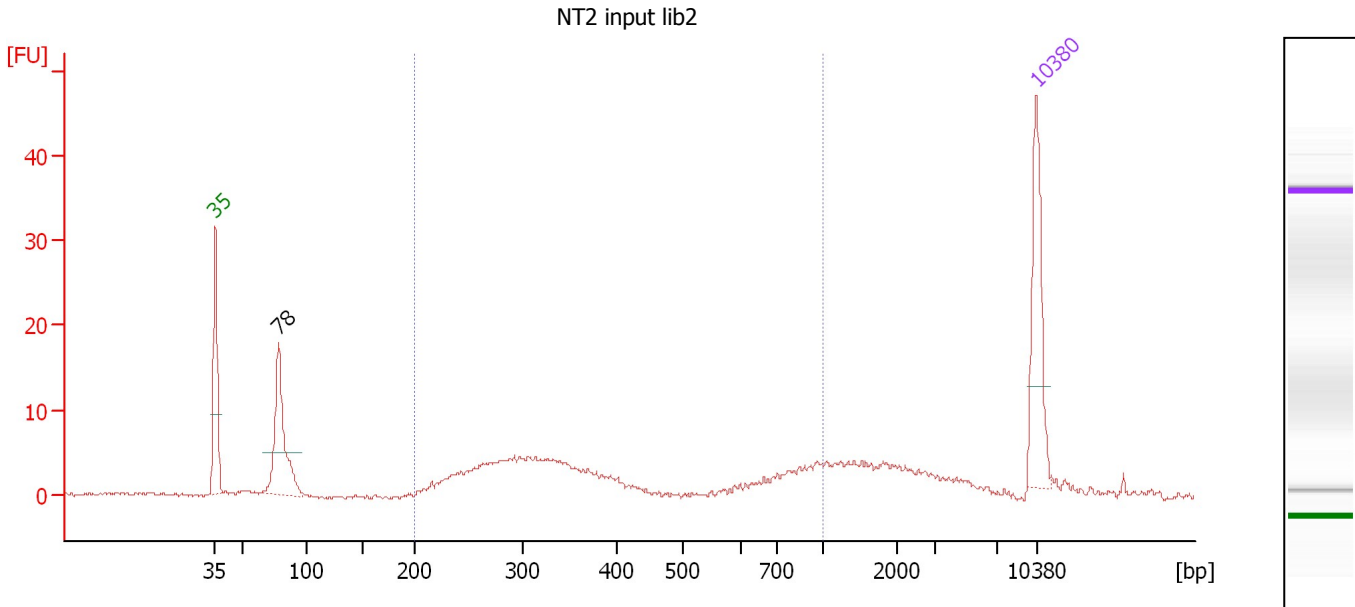
**Region table for sample 8 : NT2 input lib1**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 167       | 417     | 293               | 2,447.2           | 453.27        | 134.1      | 60         | 18.2                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-12\2013-04-12\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : NT2 input lib2**

Number of peaks found: 1                      Corr. Area 1: 106.2  
 Noise: 0.2

**Peak table for sample 9 : NT2 input lib2**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 78        | 139.63        | 2,700.5           |              |
| 3    | 10,380    | 75.00         | 10.9              | Upper Marker |

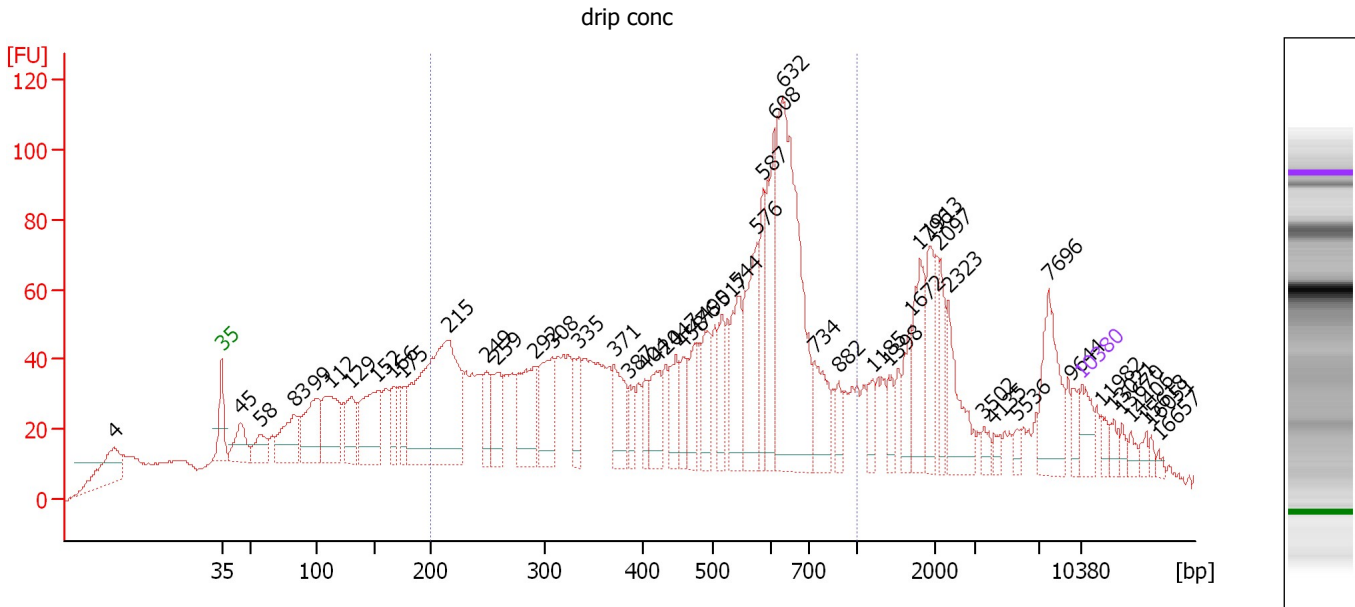
**Region table for sample 9 : NT2 input lib2**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 200       | 1,000   | 431               | 1,425.8           | 315.05        | 106.2      | 53         | 50.9                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-12\2013-04-12\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : drip conc**

Number of peaks found: 51      Corr. Area 1: 1,948.2  
 Noise: 0.5

**Peak table for sample 10 : drip conc**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 4         | 0.00          | 0.0               |              |
| 2    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 3    | 45        | 167.55        | 5,660.9           |              |
| 4    | 58        | 120.10        | 3,146.7           |              |
| 5    | 83        | 244.89        | 4,455.0           |              |
| 6    | 99        | 312.83        | 4,797.2           |              |
| 7    | 112       | 334.09        | 4,520.6           |              |
| 8    | 129       | 200.82        | 2,350.0           |              |
| 9    | 152       | 354.99        | 3,536.1           |              |
| 10   | 166       | 126.17        | 1,152.8           |              |
| 11   | 175       | 115.04        | 994.4             |              |
| 12   | 215       | 1,078.83      | 7,601.9           |              |
| 13   | 249       | 110.19        | 670.3             |              |
| 14   | 259       | 181.35        | 1,062.8           |              |
| 15   | 292       | 308.29        | 1,601.5           |              |
| 16   | 308       | 259.41        | 1,277.0           |              |
| 17   | 335       | 137.09        | 619.3             |              |
| 18   | 371       | 183.63        | 749.7             |              |
| 19   | 387       | 68.92         | 269.9             |              |
| 20   | 404       | 78.04         | 293.0             |              |
| 21   | 420       | 142.99        | 516.3             |              |
| 22   | 447       | 124.80        | 422.8             |              |
| 23   | 458       | 107.86        | 356.8             |              |
| 24   | 476       | 130.01        | 414.2             |              |
| 25   | 490       | 160.54        | 496.2             |              |
| 26   | 517       | 127.89        | 374.5             |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-12\2013-04-12\_001.xad

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**Electropherogram Summary Continued ...**

**... Peak table for sample 10 : drip conc**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27   | 544       | 215.06        | 599.4             |              |
| 28   | 576       | 321.11        | 844.3             |              |
| 29   | 587       | 175.41        | 452.7             |              |
| 30   | 608       | 293.42        | 731.1             |              |
| 31   | 632       | 928.97        | 2,227.5           |              |
| 32   | 734       | 176.58        | 364.5             |              |
| 33   | 882       | 50.59         | 86.9              |              |
| 34   | 1,185     | 59.61         | 76.2              |              |
| 35   | 1,398     | 58.73         | 63.7              |              |
| 36   | 1,672     | 95.31         | 86.4              |              |
| 37   | 1,796     | 176.36        | 148.8             |              |
| 38   | 1,913     | 142.62        | 113.0             |              |
| 39   | 2,097     | 89.39         | 64.6              |              |
| 40   | 2,323     | 162.50        | 106.0             |              |
| 41   | 3,502     | 29.00         | 12.5              |              |
| 42   | 4,135     | 24.08         | 8.8               |              |
| 43   | 5,536     | 22.78         | 6.2               |              |
| 44   | 7,696     | 215.30        | 42.4              |              |
| 45   | 9,644     | 35.43         | 5.6               |              |
| 46   | 10,380    | 75.00         | 10.9              | Upper Marker |
| 47   | 11,982    | 0.00          | 0.0               |              |
| 48   | 13,021    | 0.00          | 0.0               |              |
| 49   | 13,670    | 0.00          | 0.0               |              |
| 50   | 14,406    | 0.00          | 0.0               |              |
| 51   | 15,618    | 0.00          | 0.0               |              |
| 52   | 16,051    | 0.00          | 0.0               |              |
| 53   | 16,657    | 0.00          | 0.0               |              |

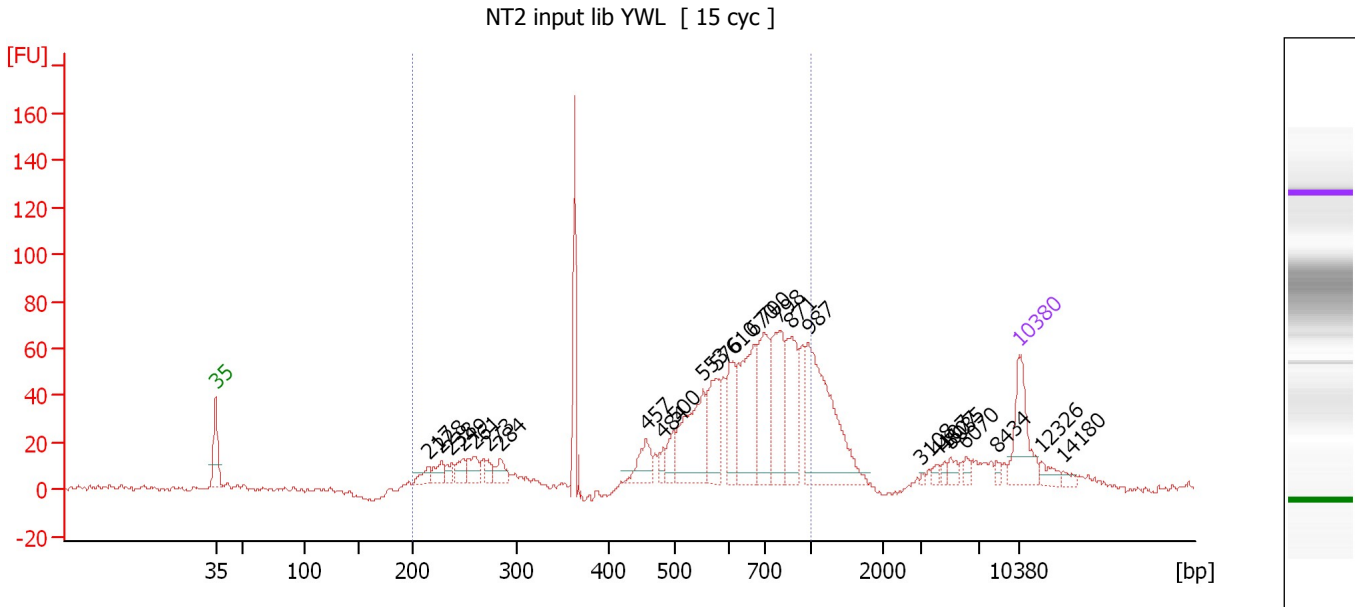
**Region table for sample 10 : drip conc**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color   |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|---|
| 200       | 1,000   | 473               | 31,606.9          | 7,745.87      | 1,948.2    | 54         | 38.3                        |  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-12\2013-04-12\_001.xad

Created: 4/12/2013 11:18:30 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : NT2 input lib YWL**

Number of peaks found: 26                      Corr. Area 1: 968.3  
 Noise: 1.3

**Peak table for sample 11 : NT2 input lib YWL**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 217       | 21.66         | 151.6             |              |
| 3    | 228       | 27.23         | 180.8             |              |
| 4    | 238       | 17.99         | 114.6             |              |
| 5    | 249       | 28.46         | 173.2             |              |
| 6    | 261       | 36.76         | 213.7             |              |
| 7    | 273       | 15.03         | 83.5              |              |
| 8    | 284       | 27.91         | 148.7             |              |
| 9    | 457       | 48.85         | 161.9             |              |
| 10   | 484       | 16.55         | 51.8              |              |
| 11   | 500       | 31.27         | 94.8              |              |
| 12   | 553       | 147.90        | 405.2             |              |
| 13   | 576       | 89.91         | 236.4             |              |
| 14   | 610       | 74.17         | 184.3             |              |
| 15   | 670       | 153.13        | 346.4             |              |
| 16   | 700       | 122.80        | 265.9             |              |
| 17   | 798       | 132.51        | 251.7             |              |
| 18   | 871       | 104.43        | 181.6             |              |
| 19   | 987       | 237.00        | 363.7             |              |
| 20   | 3,108     | 2.91          | 1.4               |              |
| 21   | 4,107     | 6.90          | 2.5               |              |
| 22   | 4,607     | 6.56          | 2.2               |              |
| 23   | 5,035     | 11.50         | 3.5               |              |
| 24   | 6,070     | 9.76          | 2.4               |              |
| 25   | 8,434     | 6.47          | 1.2               |              |
| 26   | 10,380    | 75.00         | 10.9              | Upper Marker |


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-12\2013-04-12\_001.xad

Created: 4/12/2013 11:18:30 AM  
Modified: 4/12/2013 12:01:11 PM

**Electropherogram Summary Continued ...****... Peak table for sample 11 : NT2 input lib YWL**

| Peak | Size [bp] | Conc. [pg/ $\mu$ l] | Molarity [pmol/l] | Observations |
|------|-----------|---------------------|-------------------|--------------|
| 27   | 12,326    | 0.00                | 0.0               |              |
| 28   | 14,180    | 0.00                | 0.0               |              |

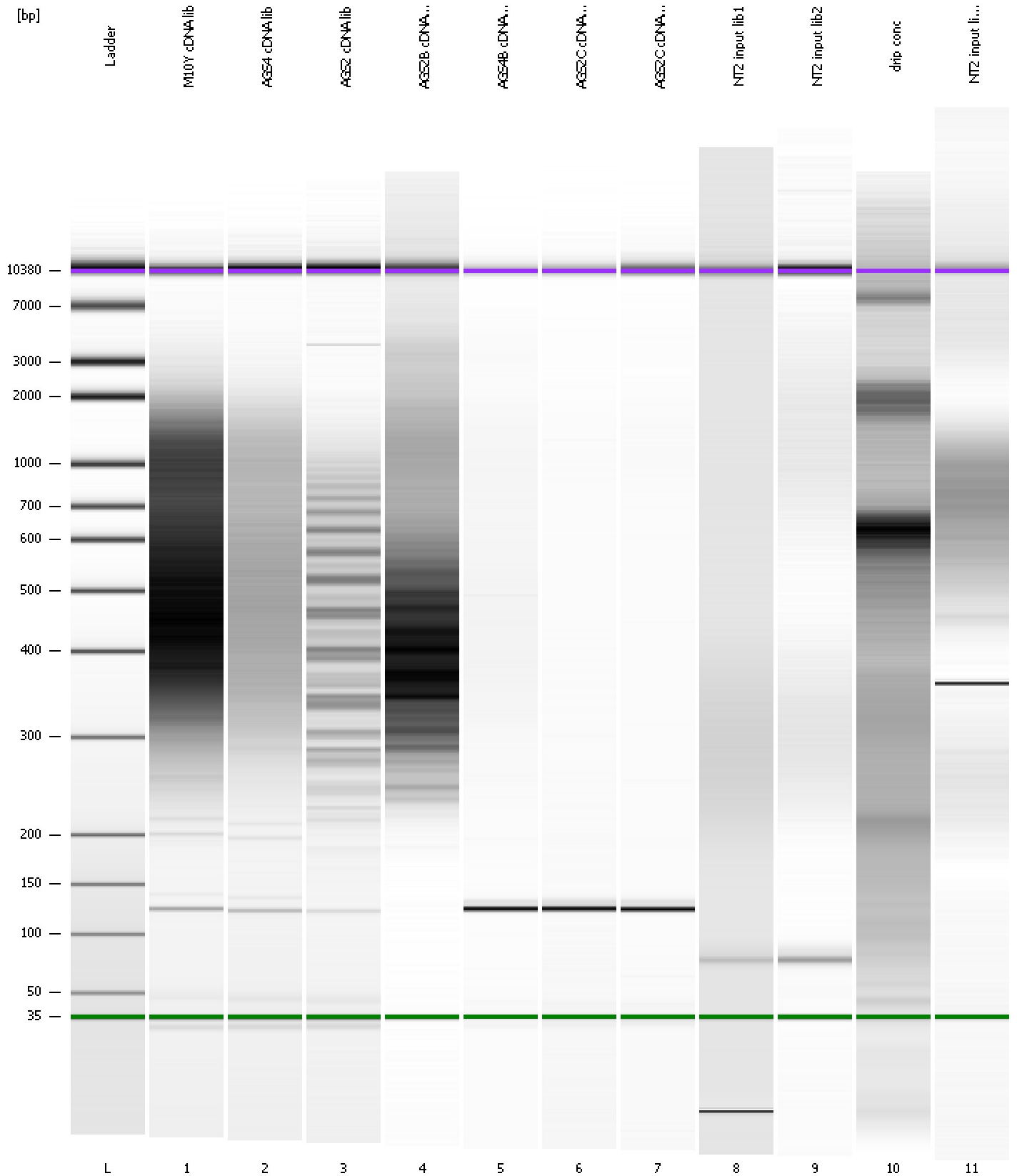
**Region table for sample 11 : NT2 input lib YWL**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/ $\mu$ l] | Corr. Area | % of Total | Size distribution in CV [%] | Color   |
|-----------|---------|-------------------|-------------------|---------------------|------------|------------|-----------------------------|---|
| 200       | 1,000   | 613               | 4,811.9           | 1,528.59            | 968.3      | 77         | 33.1                        |  |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-12\2013-04-12\_001.xad

Created: 4/12/2013 11:18:30 AM  
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**Gel Image**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-12\2013-04-12\_001.xad

Created: 4/12/2013 11:18:30 AM  
 Modified: 4/12/2013 12:01:11 PM

**Run Logbook**

| Description   | Number | Source     | Category | Sub Category | Time                  | Time Zone                           | User     | Host     |
|---|--------|------------|----------|--------------|-----------------------|-------------------------------------|----------|----------|
| Run ended on port 1 (Number of wells acquired: 12)  |        | Instrument | Run      |              | 4/12/2013 11:59:51 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-04-12\2013-04-12_001.xad) |        | Instrument | Run      |              | 4/12/2013 11:18:37 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B   |        | Instrument | Run      |              | 4/12/2013 11:18:37 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name :  |        | Instrument | Run      |              | 4/12/2013 11:18:37 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies   |        | Instrument | Run      |              | 4/12/2013 11:18:37 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086  |        | Instrument | Run      |              | 4/12/2013 11:18:37 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069   |        | Instrument | Run      |              | 4/12/2013 11:18:37 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode   |        | Instrument | Run      |              | 4/12/2013 11:18:37 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |