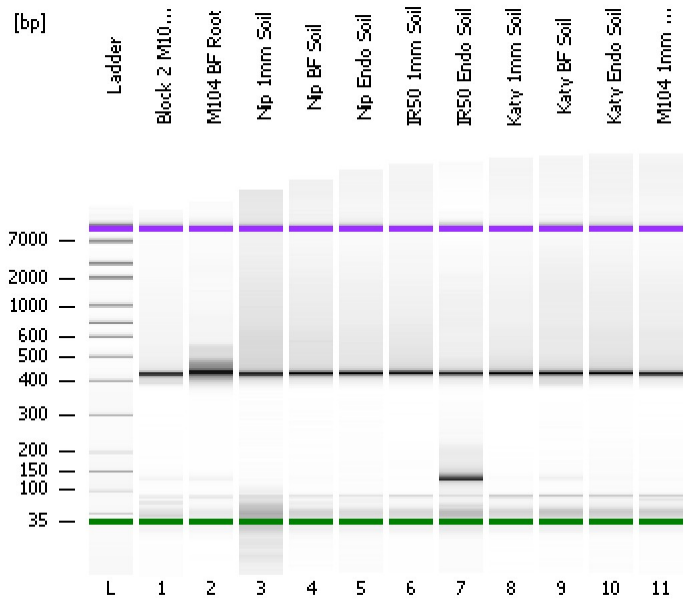
Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-19\2012-12-19_004.xad

Created: 12/19/2012 1:24:40 PM
Modified: 12/19/2012 2:07:03 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 |

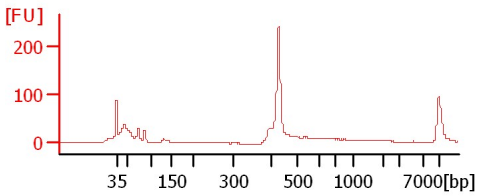
Chip Information:

Chip Lot #:

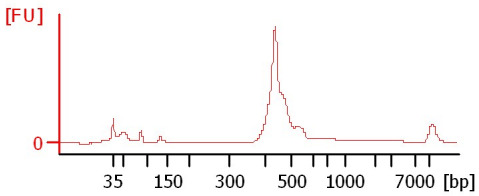
Reagent Kit Lot #:

Chip Comments:

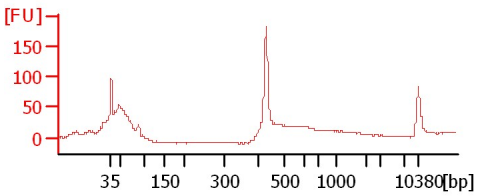
**Block 2 M104 1mm Root**



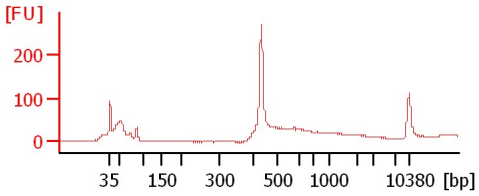

**M104 BF Root**



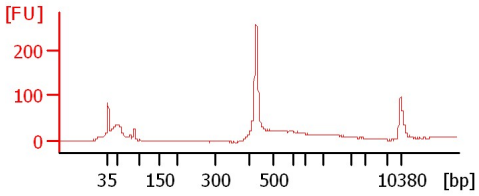

**Nip 1mm Soil**



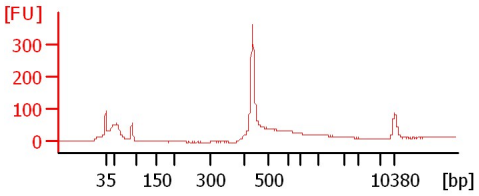

**Nip BF Soil**



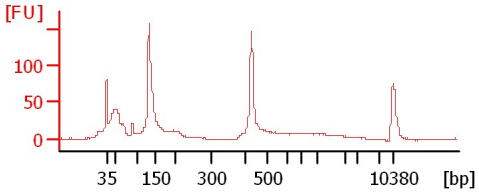

**Nip Endo Soil**



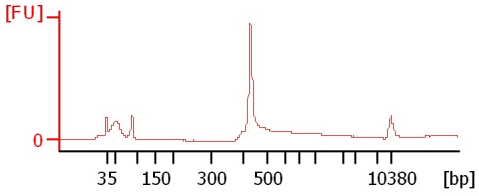

**IR50 1mm Soil**



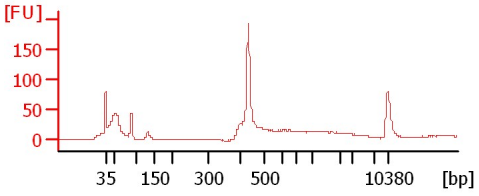

**IR50 Endo Soil**



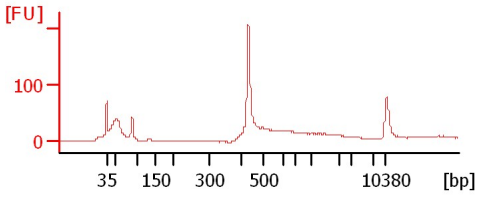

**Katy 1mm Soil**



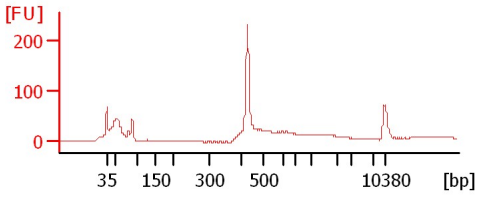

**Katy BF Soil**




**Katy Endo Soil**




**M104 1mm Soil**



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-19\2012-12-19_004.xad

Created: 12/19/2012 1:24:40 PM
Modified: 12/19/2012 2:07:03 PM

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

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|---|---|---|---|---|---|---|
| Block 2 M104 1mm Root | | ☐ | ✔ | | | |
| M104 BF Root | | ☐ | ✔ | | | |
| Nip 1mm Soil | | ☐ | ✔ | | | |
| Nip BF Soil | | ☐ | ✔ | | | |
| Nip Endo Soil | | ☐ | ✔ | | | |
| IR50 1mm Soil | | ☐ | ✔ | | | |
| IR50 Endo Soil | | ☐ | ✔ | | | |
| Katy 1mm Soil | | ☐ | ✔ | | | |
| Katy BF Soil | | ☐ | ✔ | | | |
| Katy Endo Soil | | ☐ | ✔ | | | |
| M104 1mm Soil | | ☐ | ✔ | | | |
| Ladder | | ☐ | ✔ | | | |

**Chip Lot #** **Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-19\2012-12-19_004.xad

Created: 12/19/2012 1:24:40 PM
Modified: 12/19/2012 2:07:03 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

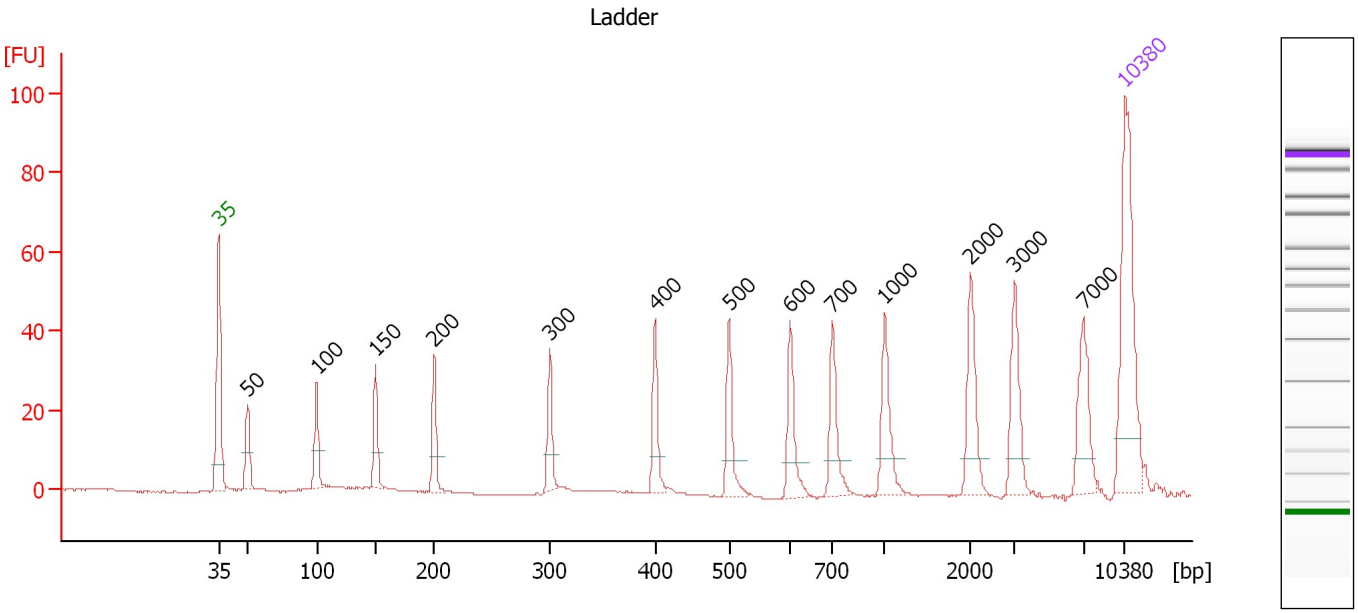
### Ladder

| 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\2012-12-19\2012-12-19_004.xad

Created: 12/19/2012 1:24:40 PM
Modified: 12/19/2012 2:07:03 PM

## Electropherogram Summary




## Overall Results for Ladder

Noise: 0.1

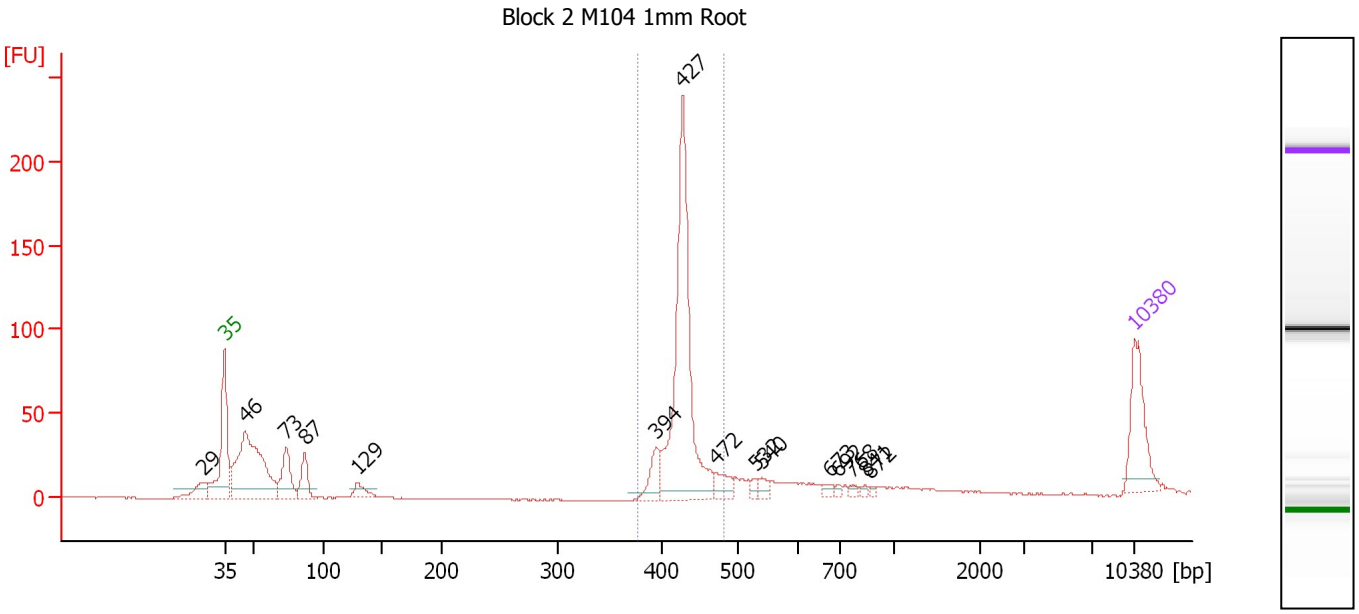
## Peak table for Ladder

| 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\2012-12-19\2012-12-19_004.xad

Created: 12/19/2012 1:24:40 PM
Modified: 12/19/2012 2:07:03 PM

**Electropherogram Summary Continued ...**




**Overall Results for sample 1 : Block 2 M104 1mm Root**

| | | | |
|---|---|---|---|
| Number of peaks found: | 15 | Corr. Area 1: | 420.8 |
| Noise: | 0.1 | | |

**Peak table for sample 1 : Block 2 M104 1mm Root**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 1 | 29 | 0.00 | 0.0 | |
| 2 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 3 | 46 | 326.10 | 10,790.7 | |
| 4 | 73 | 80.54 | 1,665.2 | |
| 5 | 87 | 52.11 | 910.9 | |
| 6 | 129 | 27.33 | 320.7 | |
| 7 | 394 | 43.61 | 167.6 | |
| 8 | 427 | 406.13 | 1,441.2 | |
| 9 | 472 | 28.27 | 90.7 | |
| 10 | 532 | 10.10 | 28.8 | |
| 11 | 540 | 11.74 | 33.0 | |
| 12 | 673 | 6.88 | 15.5 | |
| 13 | 692 | 5.06 | 11.1 | |
| 14 | 768 | 5.30 | 10.5 | |
| 15 | 841 | 4.59 | 8.3 | |
| 16 | 872 | 3.38 | 5.9 | |
| 17 | 10,380 | 75.00 | 10.9 | Upper Marker |

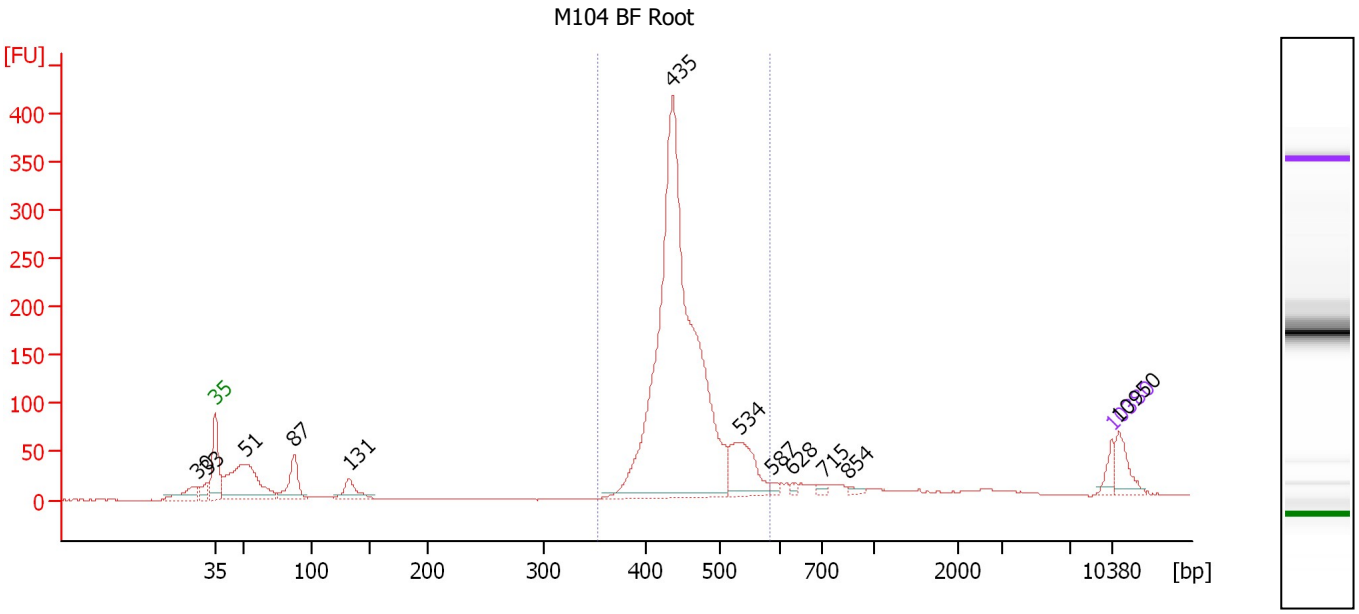
**Region table for sample 1 : Block 2 M104 1mm Root**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|---|---|---|---|---|---|---|---|---|
| 376 | 483 | 427 | 1,547.3 | 435.25 | 420.8 | 48 | 4.1 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-19\2012-12-19_004.xad

Created: 12/19/2012 1:24:40 PM
Modified: 12/19/2012 2:07:03 PM

**Electropherogram Summary Continued ...**




**Overall Results for sample 2 : M104 BF Root**

| | | | |
|---|---|---|---|
| Number of peaks found: | 12 | Corr. Area 1: | 1,805.4 |
| Noise: | 0.3 | | |

**Peak table for sample 2 : M104 BF Root**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 1 | 30 | 0.00 | 0.0 | |
| 2 | 33 | 0.00 | 0.0 | |
| 3 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 4 | 51 | 1,096.86 | 32,828.5 | |
| 5 | 87 | 391.91 | 6,841.2 | |
| 6 | 131 | 215.72 | 2,489.6 | |
| 7 | 435 | 5,036.41 | 17,541.3 | |
| 8 | 534 | 486.81 | 1,381.2 | |
| 9 | 587 | 28.42 | 73.4 | |
| 10 | 628 | 25.82 | 62.3 | |
| 11 | 715 | 28.03 | 59.4 | |
| 12 | 854 | 23.92 | 42.4 | |
| 13 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 14 | 10,950 | 0.00 | 0.0 | |

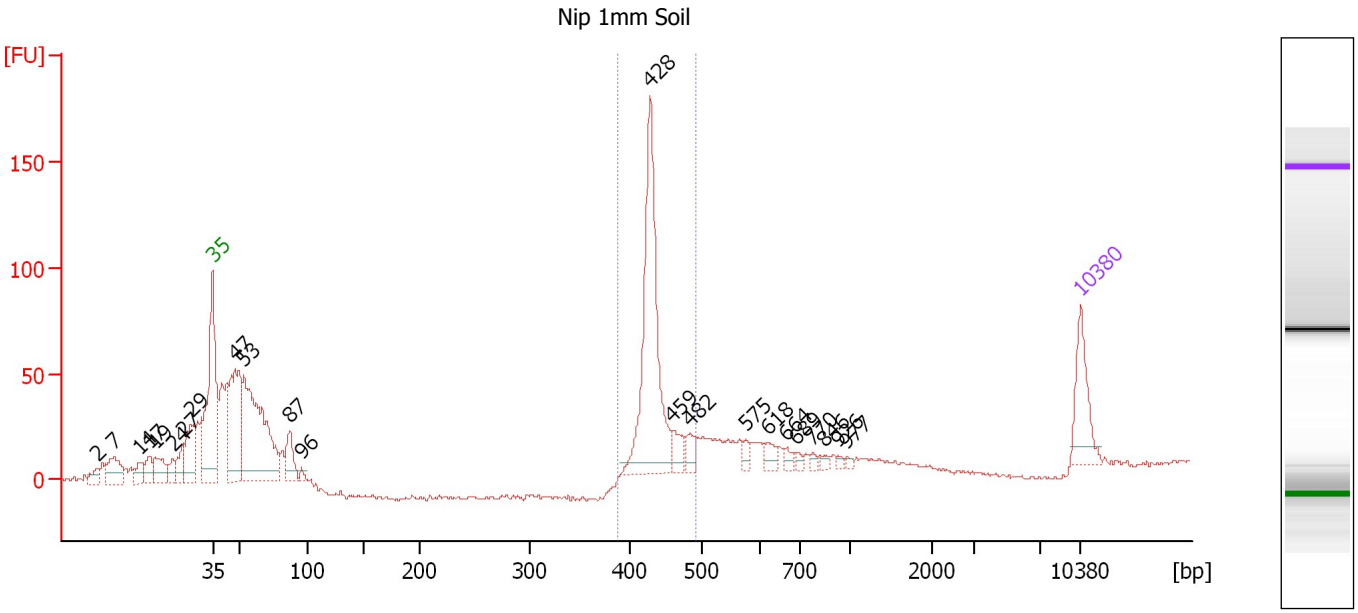
**Region table for sample 2 : M104 BF Root**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|---|---|---|---|---|---|---|---|---|
| 354 | 583 | 452 | 18,607.4 | 5,508.47 | 1,805.4 | 71 | 8.9 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-19\2012-12-19_004.xad

Created: 12/19/2012 1:24:40 PM
Modified: 12/19/2012 2:07:03 PM

**Electropherogram Summary Continued ...**




**Overall Results for sample 3 : Nip 1mm Soil**

| | | | |
|---|---|---|---|
| Number of peaks found: | 23 | Corr. Area 1: | 315.6 |
| Noise: | 0.9 | | |

**Peak table for sample 3 : Nip 1mm Soil**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 1 | 2 | 0.00 | 0.0 | |
| 2 | 7 | 0.00 | 0.0 | |
| 3 | 14 | 0.00 | 0.0 | |
| 4 | 17 | 0.00 | 0.0 | |
| 5 | 19 | 0.00 | 0.0 | |
| 6 | 24 | 0.00 | 0.0 | |
| 7 | 27 | 0.00 | 0.0 | |
| 8 | 29 | 0.00 | 0.0 | |
| 9 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 10 | 47 | 289.18 | 9,286.3 | |
| 11 | 53 | 478.28 | 13,796.5 | |
| 12 | 87 | 71.05 | 1,242.2 | |
| 13 | 96 | 9.04 | 142.3 | |
| 14 | 428 | 420.44 | 1,490.0 | |
| 15 | 459 | 33.26 | 109.8 | |
| 16 | 482 | 26.75 | 84.0 | |
| 17 | 575 | 13.21 | 34.8 | |
| 18 | 618 | 21.12 | 51.8 | |
| 19 | 664 | 12.22 | 27.9 | |
| 20 | 689 | 7.41 | 16.3 | |
| 21 | 770 | 7.19 | 14.2 | |
| 22 | 846 | 8.60 | 15.4 | |
| 23 | 926 | 4.66 | 7.6 | |
| 24 | 977 | 5.00 | 7.8 | |
| 25 | 10,380 | 75.00 | 10.9 | Upper Marker |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-19\2012-12-19_004.xad

Created: 12/19/2012 1:24:40 PM
Modified: 12/19/2012 2:07:03 PM

**Electropherogram Summary Continued ...**

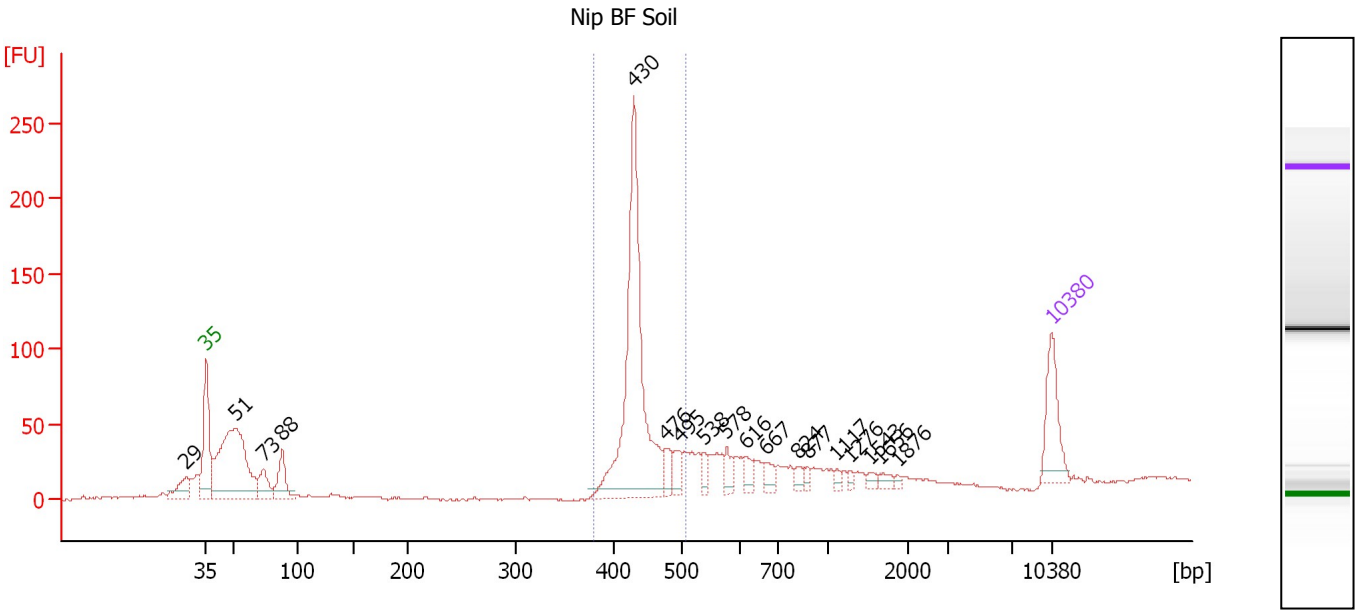
**... Region table for sample 3 : Nip 1mm Soil**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|---|---|---|---|---|---|---|---|---|
| 388 | 492 | 435 | 1,616.9 | 463.69 | 315.6 | 27 | 4.3 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-19\2012-12-19_004.xad

Created: 12/19/2012 1:24:40 PM
Modified: 12/19/2012 2:07:03 PM

**Electropherogram Summary Continued ...**




**Overall Results for sample 4 : Nip BF Soil**

| | | | |
|---|---|---|---|
| Number of peaks found: | 18 | Corr. Area 1: | 507.5 |
| Noise: | 0.6 | | |

**Peak table for sample 4 : Nip BF Soil**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 1 | 29 | 0.00 | 0.0 | |
| 2 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 3 | 51 | 441.04 | 13,078.7 | |
| 4 | 73 | 59.23 | 1,223.2 | |
| 5 | 88 | 79.89 | 1,378.5 | |
| 6 | 430 | 509.92 | 1,795.3 | |
| 7 | 476 | 32.07 | 102.1 | |
| 8 | 495 | 30.54 | 93.5 | |
| 9 | 538 | 18.99 | 53.5 | |
| 10 | 578 | 25.06 | 65.7 | |
| 11 | 616 | 20.66 | 50.9 | |
| 12 | 667 | 20.65 | 46.9 | |
| 13 | 824 | 12.37 | 22.7 | |
| 14 | 877 | 9.74 | 16.8 | |
| 15 | 1,117 | 8.09 | 11.0 | |
| 16 | 1,276 | 6.19 | 7.3 | |
| 17 | 1,543 | 7.85 | 7.7 | |
| 18 | 1,656 | 10.63 | 9.7 | |
| 19 | 1,876 | 4.19 | 3.4 | |
| 20 | 10,380 | 75.00 | 10.9 | Upper Marker |

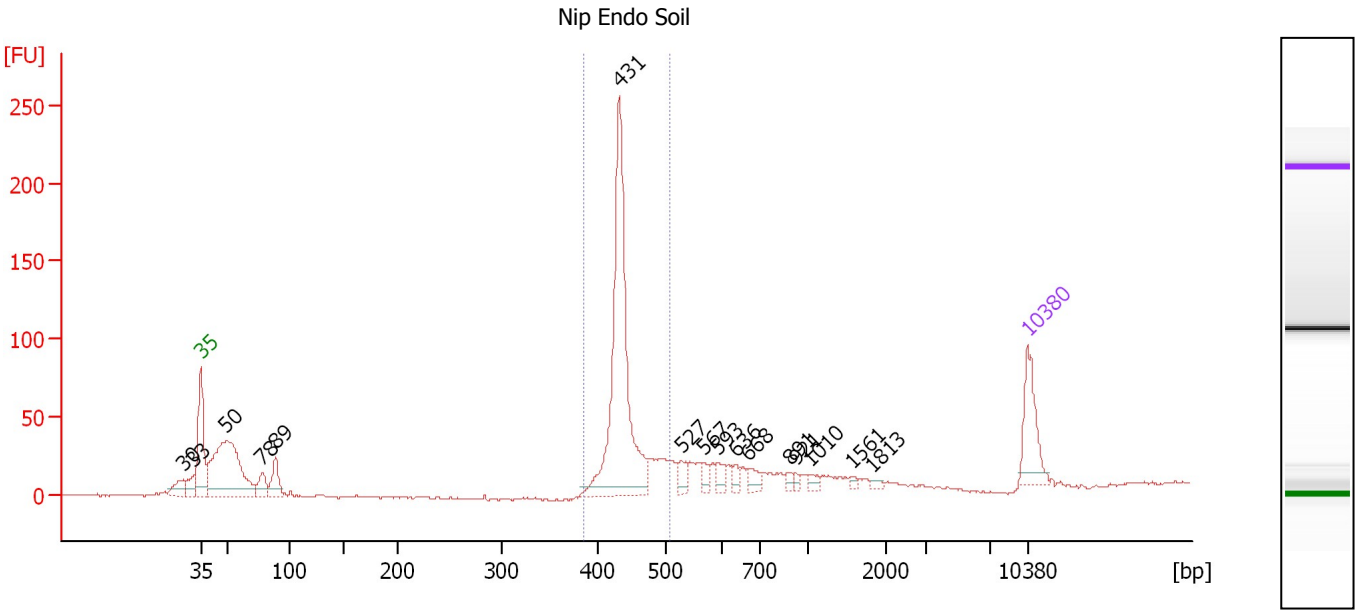
**Region table for sample 4 : Nip BF Soil**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|---|---|---|---|---|---|---|---|---|
| 380 | 505 | 438 | 1,825.9 | 527.62 | 507.5 | 40 | 5.3 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-19\2012-12-19_004.xad

Created: 12/19/2012 1:24:40 PM
Modified: 12/19/2012 2:07:03 PM

**Electropherogram Summary Continued ...**




**Overall Results for sample 5 : Nip Endo Soil**

| | | | |
|---|---|---|---|
| Number of peaks found: | 16 | Corr. Area 1: | 449.6 |
| Noise: | 0.6 | | |

**Peak table for sample 5 : Nip Endo Soil**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 1 | 30 | 0.00 | 0.0 | |
| 2 | 33 | 0.00 | 0.0 | |
| 3 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 4 | 50 | 379.55 | 11,590.9 | |
| 5 | 78 | 42.95 | 832.8 | |
| 6 | 89 | 59.94 | 1,024.2 | |
| 7 | 431 | 506.05 | 1,777.7 | |
| 8 | 527 | 22.84 | 65.7 | |
| 9 | 567 | 16.60 | 44.4 | |
| 10 | 593 | 18.59 | 47.5 | |
| 11 | 636 | 14.02 | 33.4 | |
| 12 | 668 | 20.05 | 45.5 | |
| 13 | 891 | 8.51 | 14.5 | |
| 14 | 921 | 6.95 | 11.4 | |
| 15 | 1,010 | 10.50 | 15.8 | |
| 16 | 1,561 | 5.00 | 4.9 | |
| 17 | 1,813 | 5.16 | 4.3 | |
| 18 | 10,380 | 75.00 | 10.9 | Upper Marker |

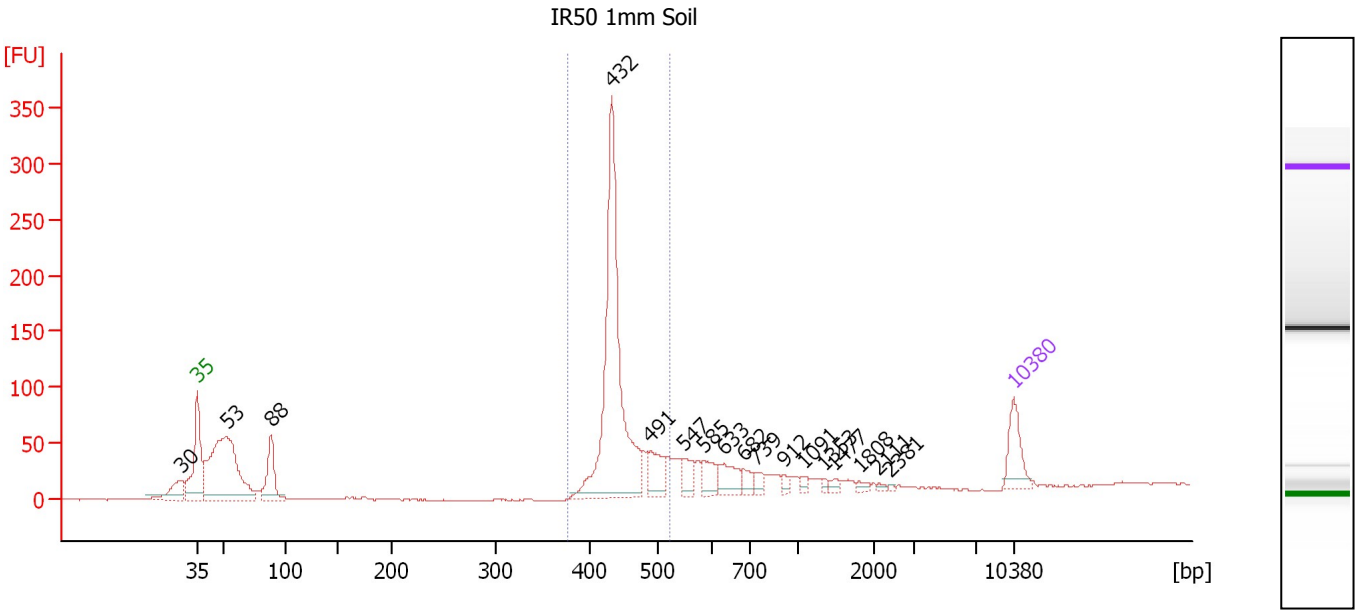
**Region table for sample 5 : Nip Endo Soil**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|---|---|---|---|---|---|---|---|---|
| 385 | 505 | 438 | 1,792.8 | 518.00 | 449.6 | 46 | 4.8 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-19\2012-12-19_004.xad

Created: 12/19/2012 1:24:40 PM
Modified: 12/19/2012 2:07:03 PM

**Electropherogram Summary Continued ...**




**Overall Results for sample 6 : IR50 1mm Soil**

| | | | |
|---|---|---|---|
| Number of peaks found: | 17 | Corr. Area 1: | 698.3 |
| Noise: | 0.6 | | |

**Peak table for sample 6 : IR50 1mm Soil**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 1 | 30 | 0.00 | 0.0 | |
| 2 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 3 | 53 | 668.16 | 19,202.7 | |
| 4 | 88 | 159.18 | 2,735.6 | |
| 5 | 432 | 808.45 | 2,834.1 | |
| 6 | 491 | 96.09 | 296.8 | |
| 7 | 547 | 46.54 | 128.8 | |
| 8 | 585 | 54.89 | 142.1 | |
| 9 | 633 | 69.19 | 165.6 | |
| 10 | 682 | 26.49 | 58.8 | |
| 11 | 739 | 22.09 | 45.3 | |
| 12 | 912 | 13.17 | 21.9 | |
| 13 | 1,091 | 10.96 | 15.2 | |
| 14 | 1,353 | 8.25 | 9.2 | |
| 15 | 1,477 | 12.42 | 12.7 | |
| 16 | 1,808 | 10.38 | 8.7 | |
| 17 | 2,111 | 5.25 | 3.8 | |
| 18 | 2,381 | 2.99 | 1.9 | |
| 19 | 10,380 | 75.00 | 10.9 | Upper Marker |

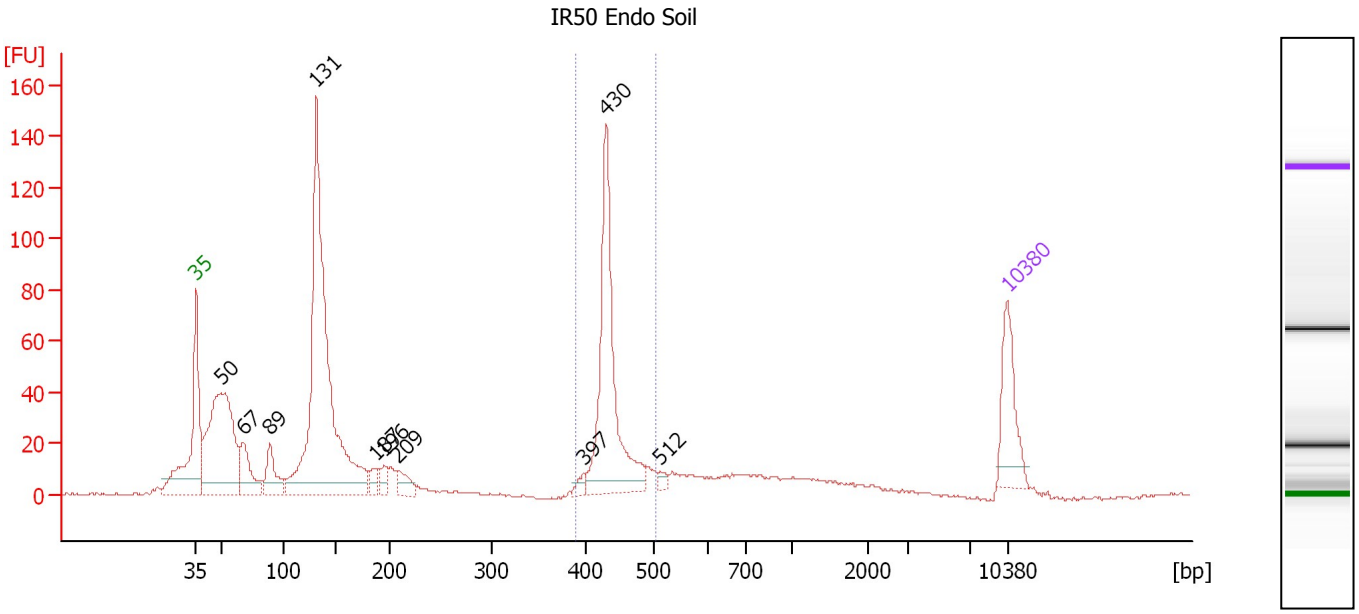
**Region table for sample 6 : IR50 1mm Soil**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|---|---|---|---|---|---|---|---|---|
| 376 | 524 | 445 | 2,988.6 | 876.06 | 698.3 | 47 | 6.0 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-19\2012-12-19_004.xad

Created: 12/19/2012 1:24:40 PM
Modified: 12/19/2012 2:07:03 PM

**Electropherogram Summary Continued ...**




**Overall Results for sample 7 : IR50 Endo Soil**

| | | | |
|---|---|---|---|
| Number of peaks found: | 10 | Corr. Area 1: | 269.9 |
| Noise: | 0.5 | | |

**Peak table for sample 7 : IR50 Endo Soil**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 50 | 420.81 | 12,776.8 | |
| 3 | 67 | 95.92 | 2,167.3 | |
| 4 | 89 | 69.91 | 1,196.1 | |
| 5 | 131 | 834.13 | 9,671.8 | |
| 6 | 187 | 23.22 | 188.6 | |
| 7 | 196 | 21.54 | 166.8 | |
| 8 | 209 | 31.70 | 230.3 | |
| 9 | 397 | 12.68 | 48.4 | |
| 10 | 430 | 312.71 | 1,102.2 | |
| 11 | 512 | 9.44 | 27.9 | |
| 12 | 10,380 | 75.00 | 10.9 | Upper Marker |

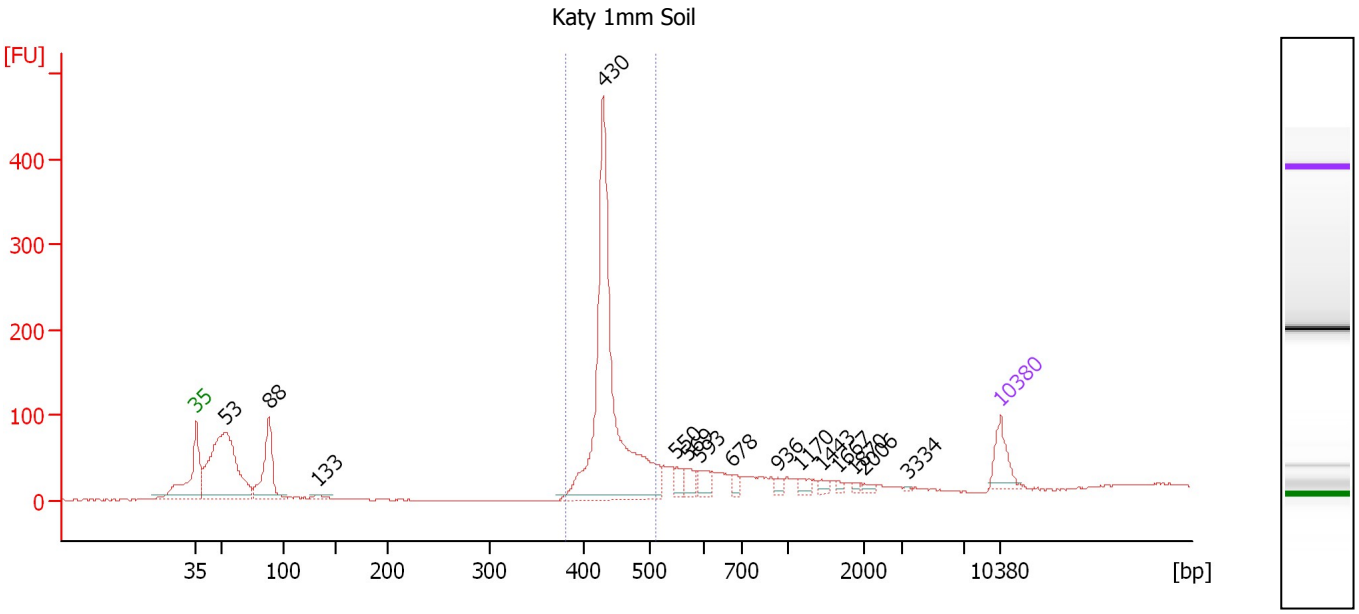
**Region table for sample 7 : IR50 Endo Soil**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|---|---|---|---|---|---|---|---|---|
| 389 | 504 | 437 | 1,178.9 | 339.79 | 269.9 | 21 | 5.0 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-19\2012-12-19_004.xad

Created: 12/19/2012 1:24:40 PM
Modified: 12/19/2012 2:07:03 PM

**Electropherogram Summary Continued ...**




**Overall Results for sample 8 : Katy 1mm Soil**

| | | | |
|---|---|---|---|
| Number of peaks found: | 15 | Corr. Area 1: | 900.0 |
| Noise: | 0.5 | | |

**Peak table for sample 8 : Katy 1mm Soil**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 53 | 801.49 | 22,885.9 | |
| 3 | 88 | 295.79 | 5,083.5 | |
| 4 | 133 | 19.66 | 224.6 | |
| 5 | 430 | 1,147.89 | 4,045.6 | |
| 6 | 550 | 37.10 | 102.1 | |
| 7 | 569 | 41.87 | 111.5 | |
| 8 | 593 | 44.93 | 114.9 | |
| 9 | 678 | 20.24 | 45.3 | |
| 10 | 936 | 15.31 | 24.8 | |
| 11 | 1,170 | 19.58 | 25.4 | |
| 12 | 1,443 | 14.45 | 15.2 | |
| 13 | 1,667 | 8.40 | 7.6 | |
| 14 | 1,870 | 8.21 | 6.7 | |
| 15 | 2,006 | 10.15 | 7.7 | |
| 16 | 3,334 | 2.54 | 1.2 | |
| 17 | 10,380 | 75.00 | 10.9 | Upper Marker |

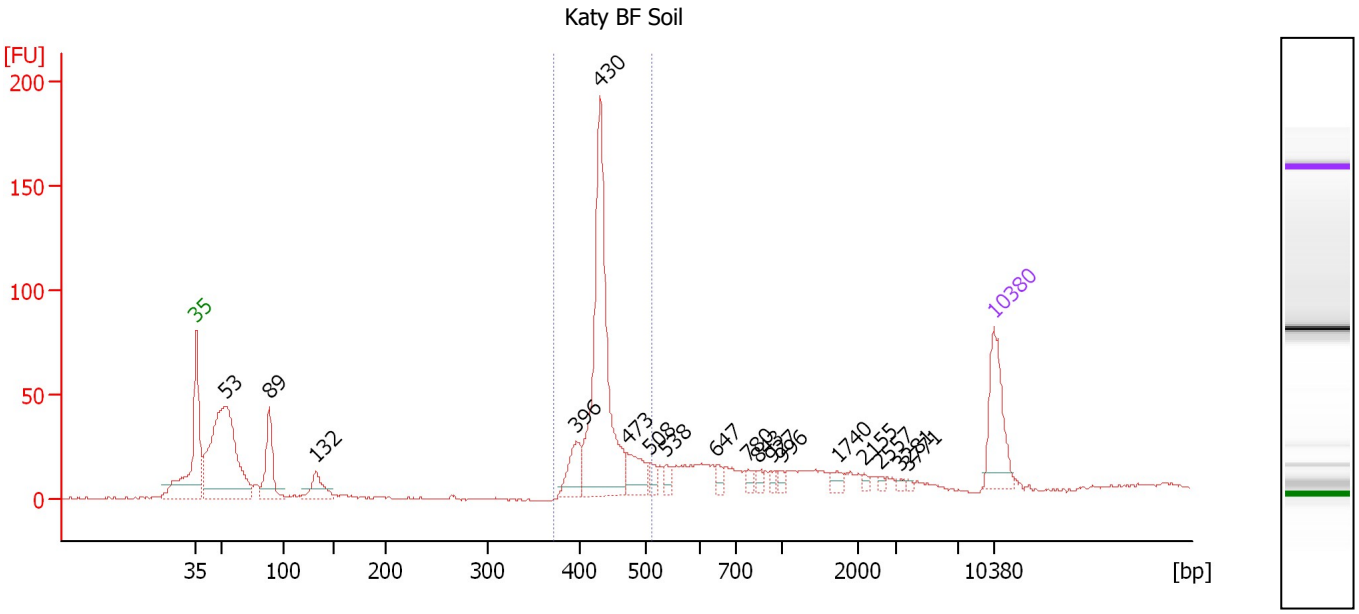
**Region table for sample 8 : Katy 1mm Soil**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|---|---|---|---|---|---|---|---|---|
| 381 | 511 | 440 | 3,513.9 | 1,017.94 | 900.0 | 46 | 5.4 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-19\2012-12-19_004.xad

Created: 12/19/2012 1:24:40 PM
Modified: 12/19/2012 2:07:03 PM

**Electropherogram Summary Continued ...**




**Overall Results for sample 9 : Katy BF Soil**

| | | | |
|---|---|---|---|
| Number of peaks found: | 18 | Corr. Area 1: | 399.5 |
| Noise: | 0.7 | | |

**Peak table for sample 9 : Katy BF Soil**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 53 | 433.52 | 12,432.6 | |
| 3 | 89 | 102.82 | 1,748.3 | |
| 4 | 132 | 48.77 | 559.5 | |
| 5 | 396 | 49.06 | 187.7 | |
| 6 | 430 | 370.80 | 1,305.4 | |
| 7 | 473 | 48.98 | 156.9 | |
| 8 | 508 | 15.92 | 47.5 | |
| 9 | 538 | 14.50 | 40.8 | |
| 10 | 647 | 10.55 | 24.7 | |
| 11 | 780 | 9.48 | 18.4 | |
| 12 | 843 | 7.92 | 14.2 | |
| 13 | 927 | 6.68 | 10.9 | |
| 14 | 996 | 6.49 | 9.9 | |
| 15 | 1,740 | 9.66 | 8.4 | |
| 16 | 2,155 | 5.21 | 3.7 | |
| 17 | 2,557 | 4.10 | 2.4 | |
| 18 | 3,281 | 3.48 | 1.6 | |
| 19 | 3,771 | 2.67 | 1.1 | |
| 20 | 10,380 | 75.00 | 10.9 | Upper Marker |

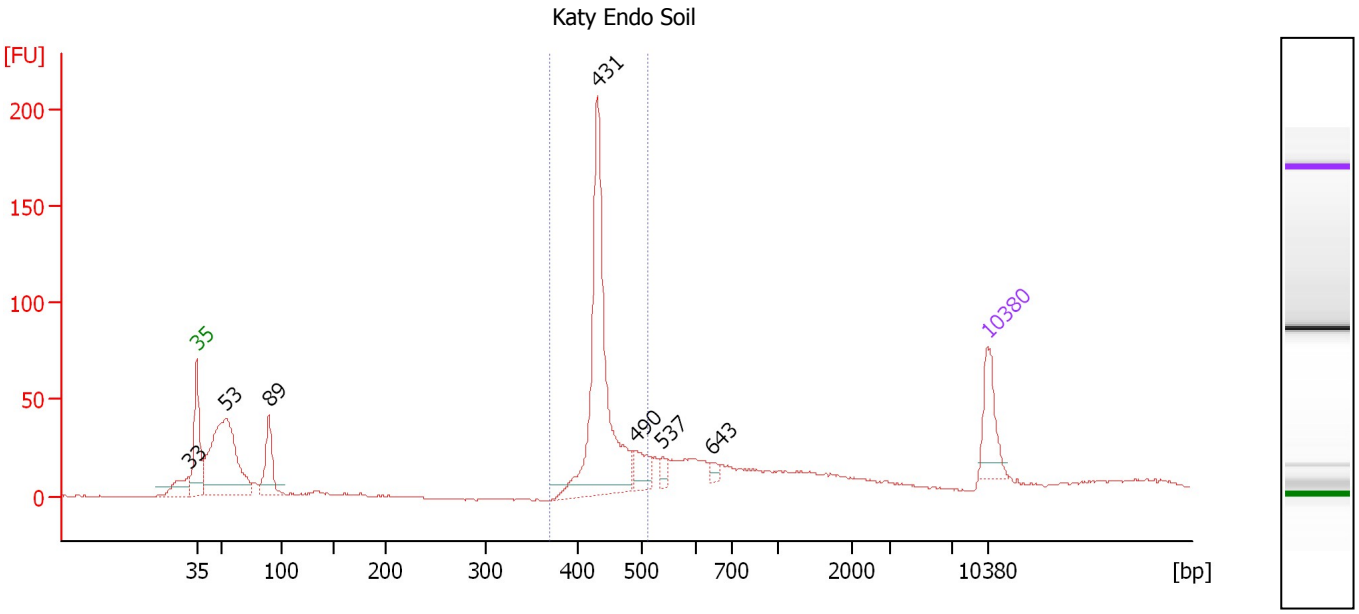
**Region table for sample 9 : Katy BF Soil**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|---|---|---|---|---|---|---|---|---|
| 372 | 511 | 435 | 1,569.6 | 450.06 | 399.5 | 40 | 5.8 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-19\2012-12-19_004.xad

Created: 12/19/2012 1:24:40 PM
Modified: 12/19/2012 2:07:03 PM

**Electropherogram Summary Continued ...**




**Overall Results for sample 10 : Katy Endo Soil**

| | | | |
|---|---|---|---|
| Number of peaks found: | 7 | Corr. Area 1: | 392.0 |
| Noise: | 0.5 | | |

**Peak table for sample 10 : Katy Endo Soil**

| 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 | 53 | 503.65 | 14,268.9 | |
| 4 | 89 | 126.78 | 2,164.4 | |
| 5 | 431 | 543.07 | 1,909.8 | |
| 6 | 490 | 54.88 | 169.6 | |
| 7 | 537 | 20.98 | 59.2 | |
| 8 | 643 | 12.74 | 30.0 | |
| 9 | 10,380 | 75.00 | 10.9 | Upper Marker |

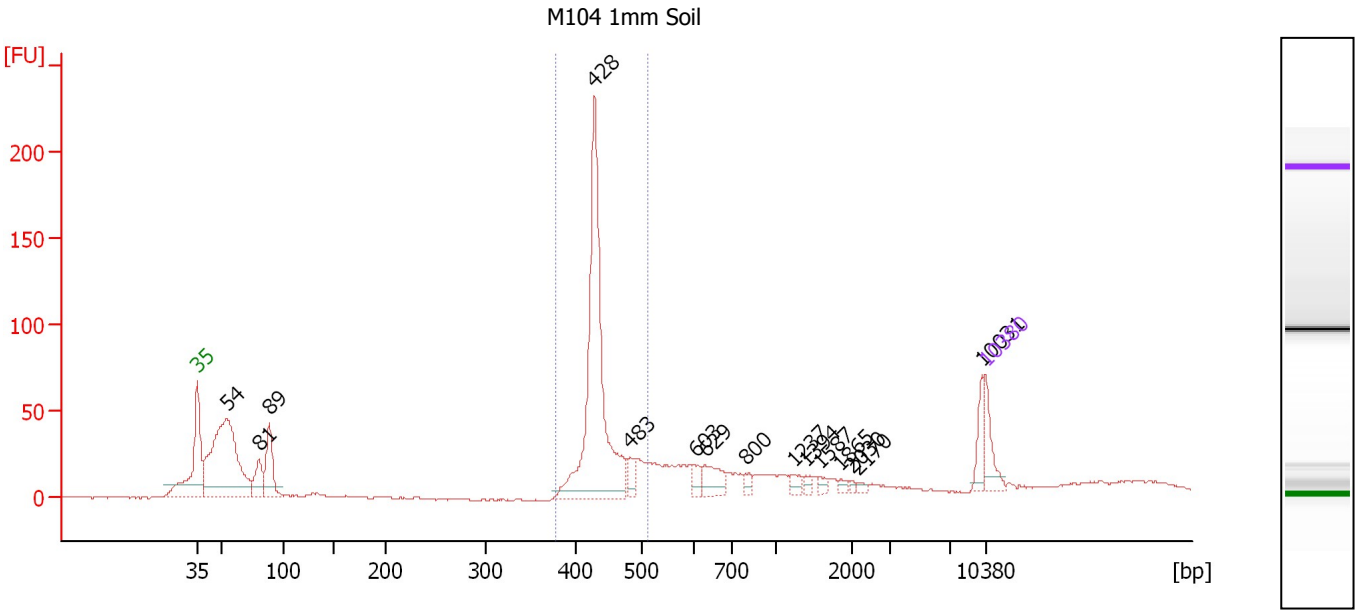
**Region table for sample 10 : Katy Endo Soil**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|---|---|---|---|---|---|---|---|---|
| 370 | 512 | 442 | 1,944.6 | 566.89 | 392.0 | 38 | 5.5 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-19\2012-12-19_004.xad

Created: 12/19/2012 1:24:40 PM
Modified: 12/19/2012 2:07:03 PM

**Electropherogram Summary Continued ...**




**Overall Results for sample 11 : M104 1mm Soil**

| | | | |
|---|---|---|---|
| Number of peaks found: | 15 | Corr. Area 1: | 421.1 |
| Noise: | 0.4 | | |

**Peak table for sample 11 : M104 1mm Soil**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 54 | 847.50 | 23,777.5 | |
| 3 | 81 | 107.63 | 2,024.5 | |
| 4 | 89 | 182.27 | 3,104.6 | |
| 5 | 428 | 893.25 | 3,162.3 | |
| 6 | 483 | 43.92 | 137.7 | |
| 7 | 603 | 35.19 | 88.4 | |
| 8 | 629 | 81.25 | 195.7 | |
| 9 | 800 | 20.65 | 39.1 | |
| 10 | 1,237 | 24.12 | 29.6 | |
| 11 | 1,394 | 15.21 | 16.5 | |
| 12 | 1,587 | 13.89 | 13.3 | |
| 13 | 1,865 | 11.88 | 9.7 | |
| 14 | 2,030 | 6.80 | 5.1 | |
| 15 | 2,170 | 8.43 | 5.9 | |
| 16 | 10,031 | 50.41 | 7.6 | |
| 17 | 10,380 | 75.00 | 10.9 | Upper Marker |

**Region table for sample 11 : M104 1mm Soil**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/µl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|---|---|---|---|---|---|---|---|---|
| 378 | 514 | 438 | 3,217.5 | 928.11 | 421.1 | 40 | 5.7 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-12-19\2012-12-19_004.xad

Created: 12/19/2012 1:24:40 PM
Modified: 12/19/2012 2:07:03 PM

**Gel Image**