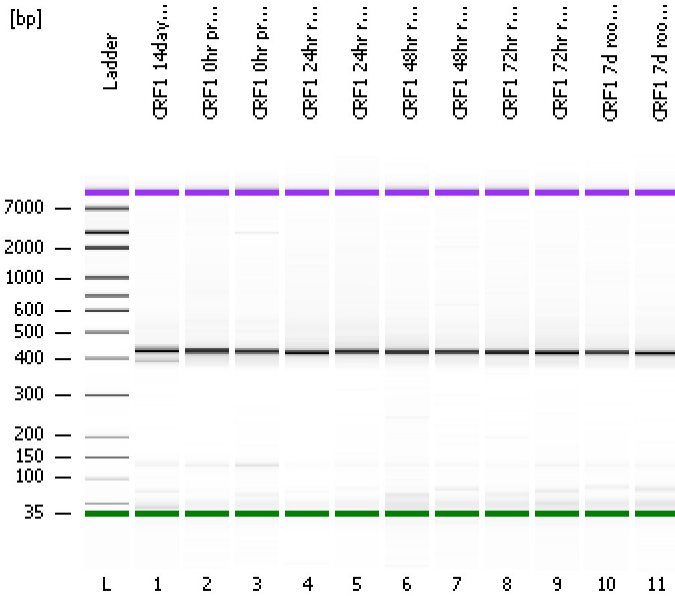


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-03\2012-05-03_003.xad

Created: 5/3/2012 1:05:20 PM
Modified: 5/3/2012 1:46:43 PM

Electrophoresis File Run Summary



Instrument Information:

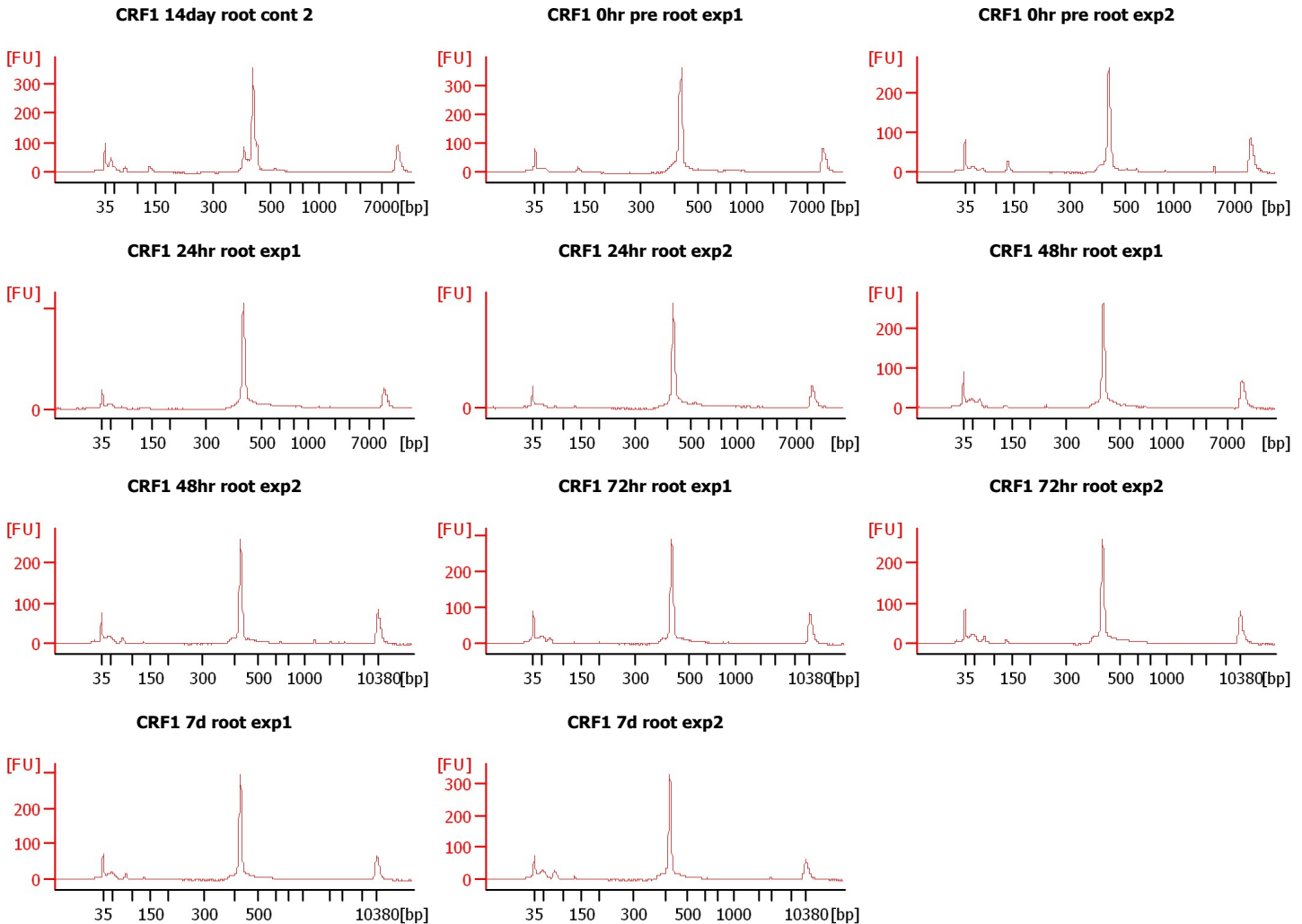
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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\2012-05-03\2012-05-03_003.xad

Created: 5/3/2012 1:05:20 PM
 Modified: 5/3/2012 1:46:43 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|------------------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| CRF1 14day root cont 2 | | <input type="checkbox"/> | ✓ | | | |
| CRF1 0hr pre root exp1 | | <input type="checkbox"/> | ✓ | | | |
| CRF1 0hr pre root exp2 | | <input type="checkbox"/> | ✓ | | | |
| CRF1 24hr root exp1 | | <input type="checkbox"/> | ✓ | | | |
| CRF1 24hr root exp2 | | <input type="checkbox"/> | ✓ | | | |
| CRF1 48hr root exp1 | | <input type="checkbox"/> | ✓ | | | |
| CRF1 48hr root exp2 | | <input type="checkbox"/> | ✓ | | | |
| CRF1 72hr root exp1 | | <input type="checkbox"/> | ✓ | | | |
| CRF1 72hr root exp2 | | <input type="checkbox"/> | ✓ | | | |
| CRF1 7d root exp1 | | <input type="checkbox"/> | ✓ | | | |
| CRF1 7d root exp2 | | <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\2012-05-03\2012-05-03_003.xad

Created: 5/3/2012 1:05:20 PM
Modified: 5/3/2012 1:46:43 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

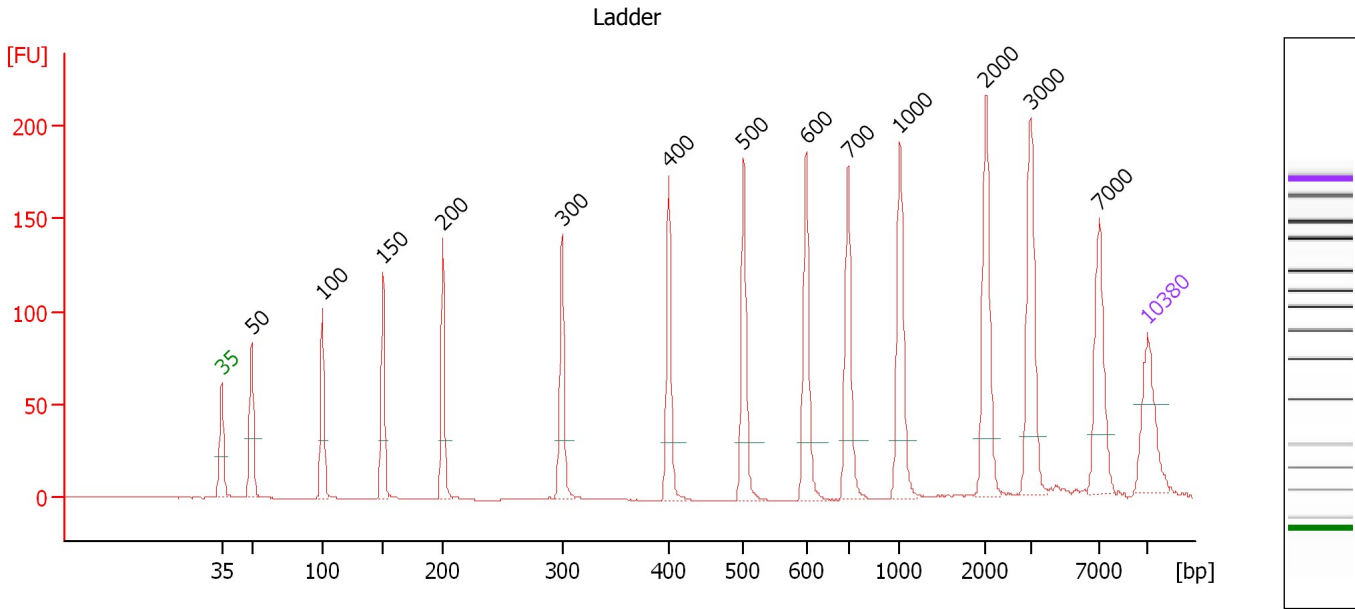
Ladder

| 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\2012-05-03\2012-05-03_003.xad

Created: 5/3/2012 1:05:20 PM
 Modified: 5/3/2012 1:46:43 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

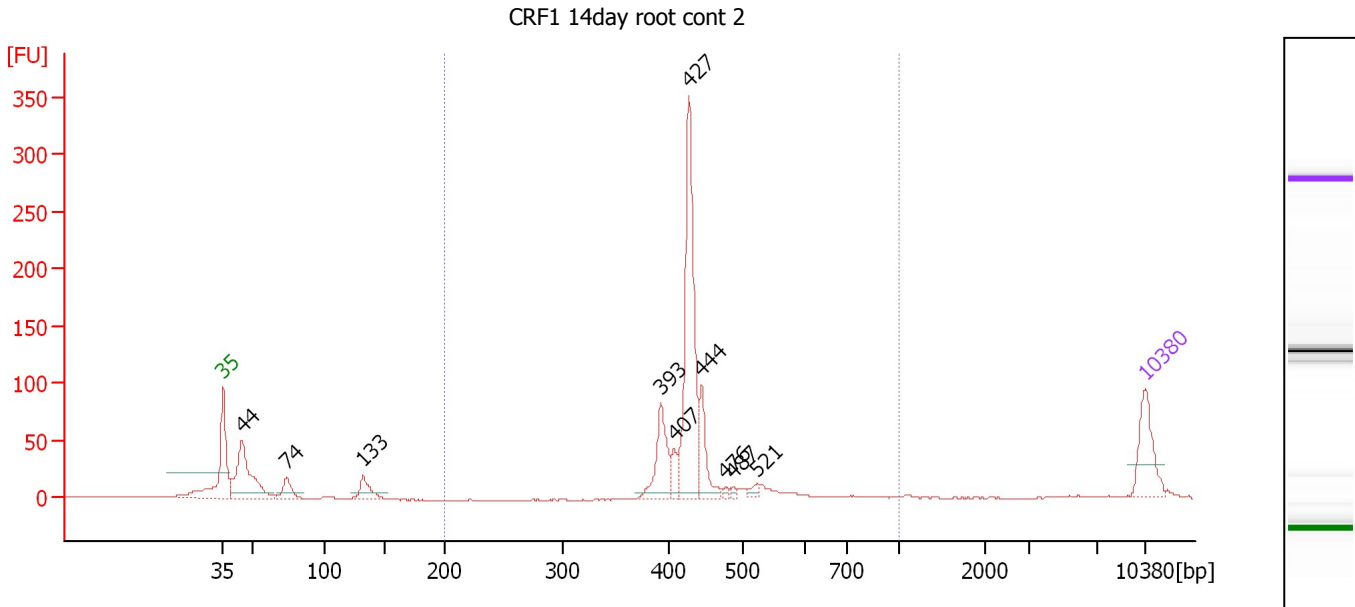
Peak table for Ladder

| 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\2012-05-03\2012-05-03_003.xad

Created: 5/3/2012 1:05:20 PM
 Modified: 5/3/2012 1:46:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : CRF1 14day root cont 2

Number of peaks found: 10 Corr. Area 1: 636.5
 Noise: 0.2

Peak table for sample 1 : CRF1 14day root cont 2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 44 | 248.62 | 8,481.6 | |
| 3 | 74 | 50.75 | 1,041.0 | |
| 4 | 133 | 52.18 | 595.4 | |
| 5 | 393 | 116.27 | 448.1 | |
| 6 | 407 | 32.31 | 120.2 | |
| 7 | 427 | 377.66 | 1,339.1 | |
| 8 | 444 | 83.29 | 283.9 | |
| 9 | 476 | 6.31 | 20.1 | |
| 10 | 487 | 6.66 | 20.7 | |
| 11 | 521 | 11.23 | 32.6 | |
| 12 | 10,380 | 75.00 | 10.9 | Upper Marker |

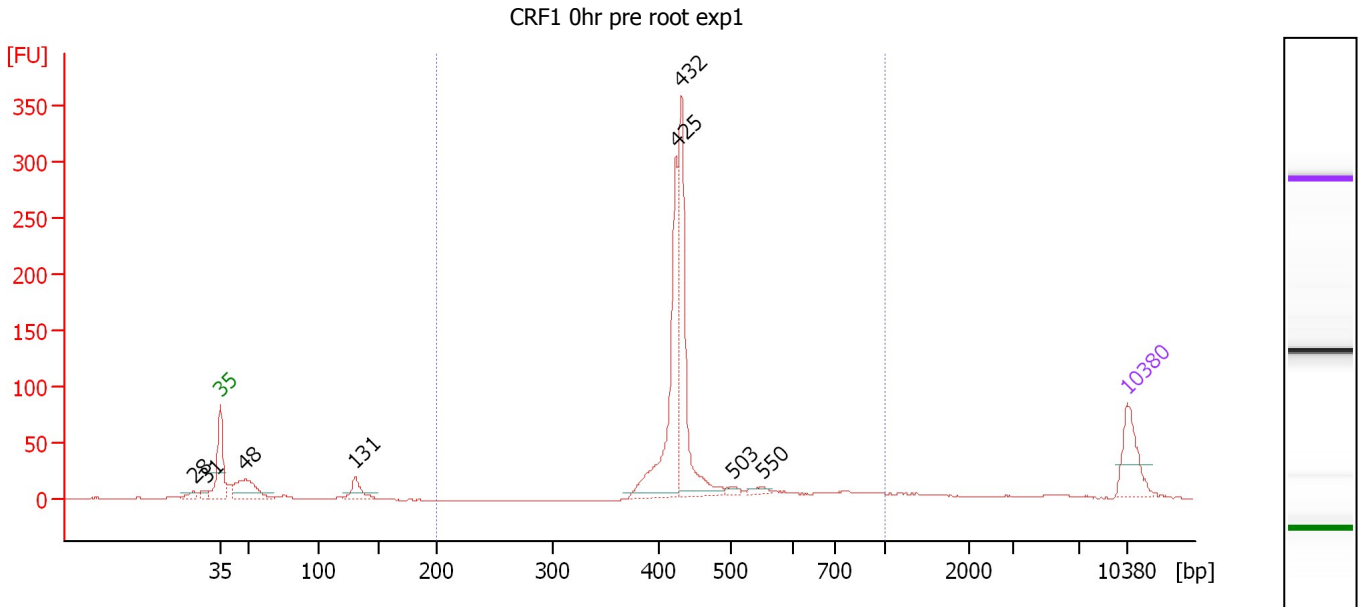
Region table for sample 1 : CRF1 14day root cont 2

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 200 | 2,294.9 | 434 | 651.73 | 1,000 | 636.5 | 74 | 8.8 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-03\2012-05-03_003.xad

Created: 5/3/2012 1:05:20 PM
 Modified: 5/3/2012 1:46:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : CRF1 0hr pre root exp1

Number of peaks found: 8 Corr. Area 1: 742.5
 Noise: 0.3

Peak table for sample 2 : CRF1 0hr pre root exp1

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 28 | 0.00 | 0.0 | |
| 2 | 31 | 0.00 | 0.0 | |
| 3 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 4 | 48 | 126.20 | 3,996.2 | |
| 5 | 131 | 57.48 | 666.8 | |
| 6 | 425 | 349.21 | 1,246.3 | |
| 7 | 432 | 345.88 | 1,213.7 | |
| 8 | 503 | 11.38 | 34.3 | |
| 9 | 550 | 12.57 | 34.6 | |
| 10 | 10,380 | 75.00 | 10.9 | Upper Marker |

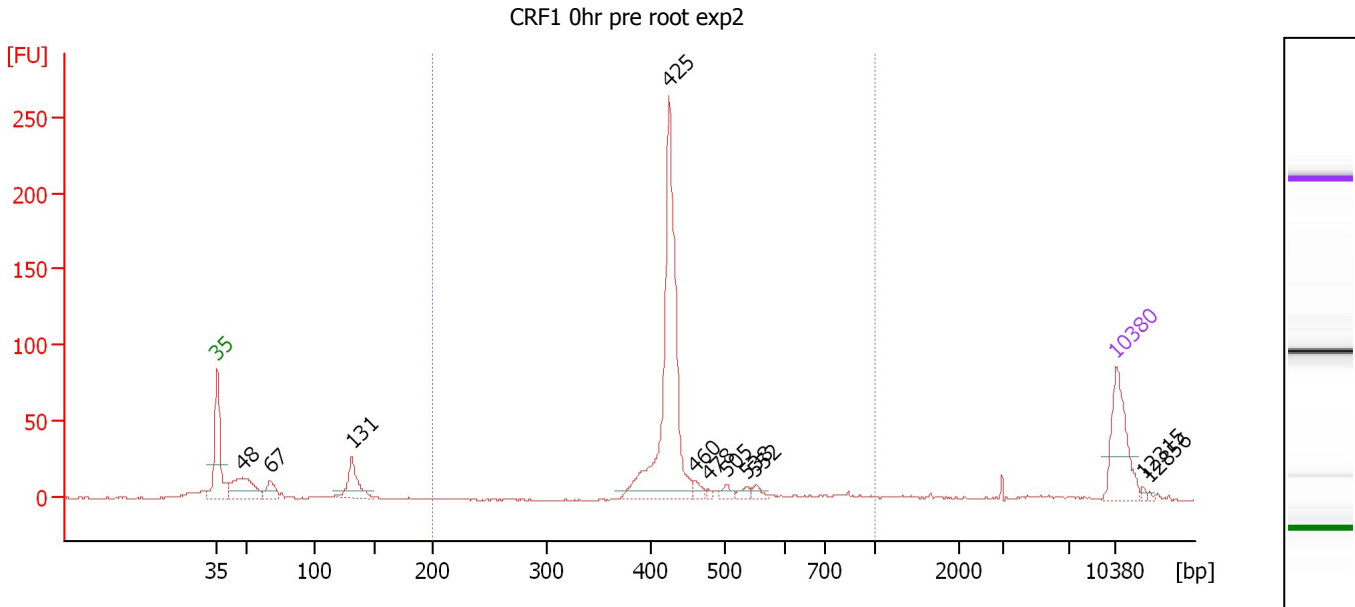
Region table for sample 2 : CRF1 0hr pre root exp1

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 200 | 2,765.2 | 458 | 808.59 | 1,000 | 742.5 | 77 | 20.6 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-03\2012-05-03_003.xad

Created: 5/3/2012 1:05:20 PM
 Modified: 5/3/2012 1:46:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : CRF1 0hr pre root exp2

Number of peaks found: 11 Corr. Area 1: 483.1
 Noise: 0.3

Peak table for sample 3 : CRF1 0hr pre root exp2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 48 | 95.33 | 3,028.5 | |
| 3 | 67 | 31.71 | 713.9 | |
| 4 | 131 | 66.46 | 767.2 | |
| 5 | 425 | 386.46 | 1,379.2 | |
| 6 | 460 | 12.10 | 39.8 | |
| 7 | 478 | 4.03 | 12.8 | |
| 8 | 505 | 10.51 | 31.5 | |
| 9 | 538 | 8.76 | 24.7 | |
| 10 | 552 | 9.01 | 24.7 | |
| 11 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 12 | 12,315 | 0.00 | 0.0 | |
| 13 | 12,856 | 0.00 | 0.0 | |

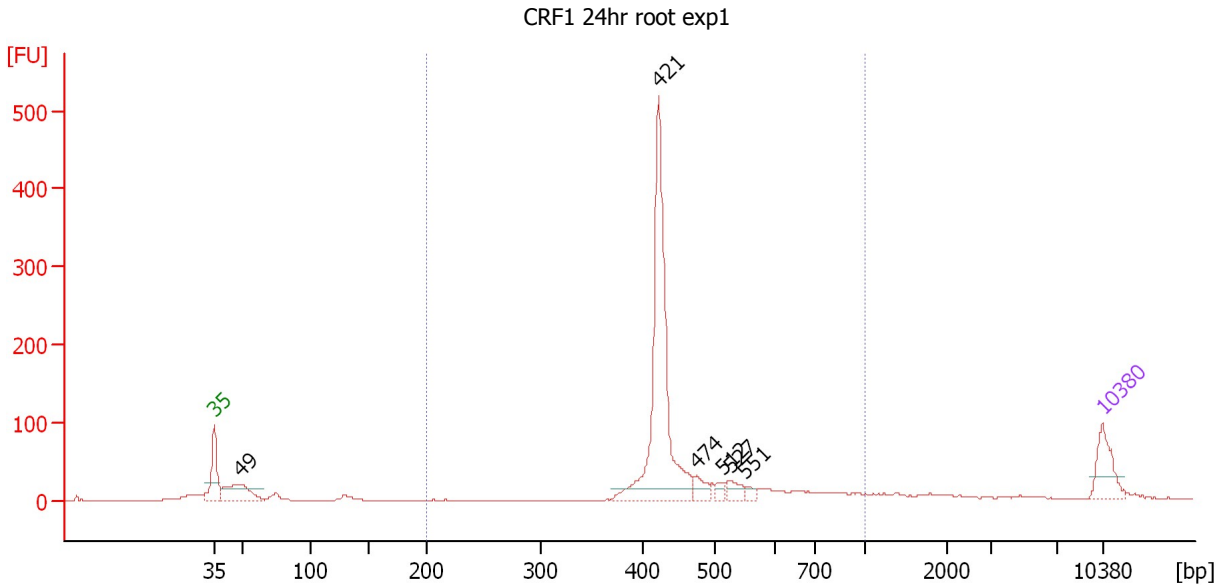
Region table for sample 3 : CRF1 0hr pre root exp2

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 200 | 1,611.2 | 453 | 467.00 | 1,000 | 483.1 | 67 | 19.5 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-03\2012-05-03_003.xad

Created: 5/3/2012 1:05:20 PM
 Modified: 5/3/2012 1:46:43 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 4 : CRF1 24hr root exp1

Height Threshold [FU] : 15

Overall Results for sample 4 : CRF1 24hr root exp1

Number of peaks found: 6 Corr. Area 1: 1,008.1
 Noise: 0.3

Peak table for sample 4 : CRF1 24hr root exp1

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 49 | 160.46 | 4,995.6 | |
| 3 | 421 | 735.06 | 2,646.0 | |
| 4 | 474 | 42.03 | 134.3 | |
| 5 | 512 | 23.02 | 68.1 | |
| 6 | 527 | 35.05 | 100.8 | |
| 7 | 551 | 16.29 | 44.8 | |
| 8 | 10,380 | 75.00 | 10.9 | Upper Marker |

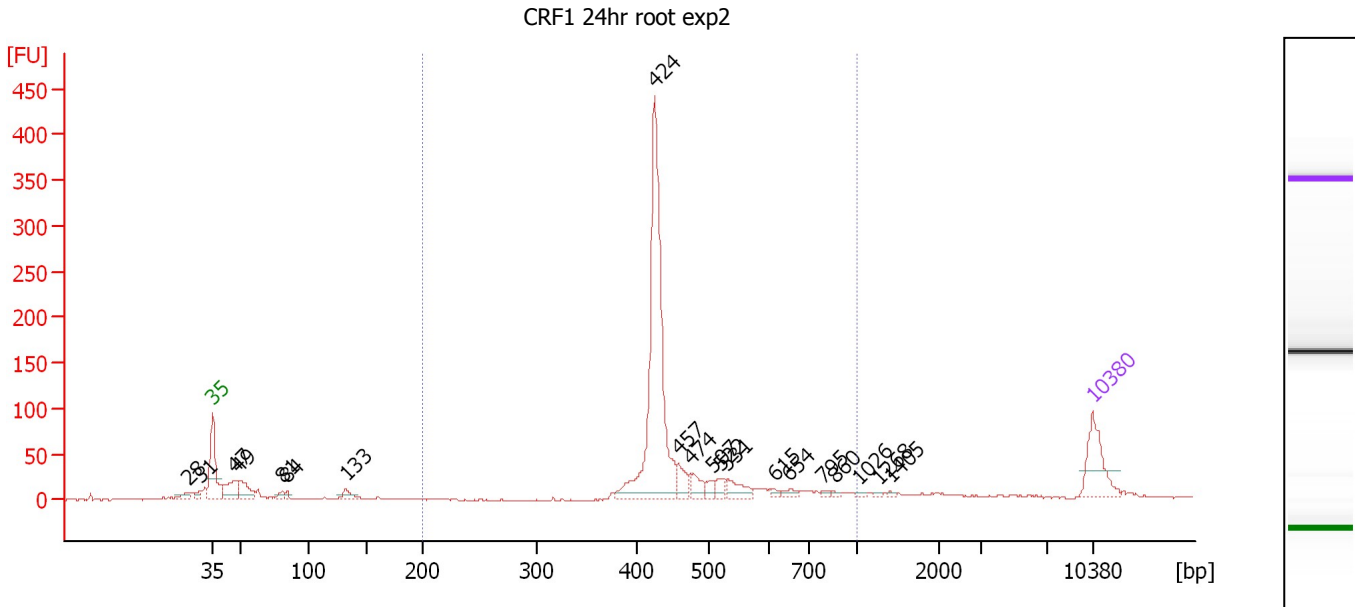
Region table for sample 4 : CRF1 24hr root exp1

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 200 | 3,072.3 | 463 | 907.28 | 1,000 | 1,008.1 | 81 | 20.5 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-03\2012-05-03_003.xad

Created: 5/3/2012 1:05:20 PM
 Modified: 5/3/2012 1:46:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : CRF1 24hr root exp2

Number of peaks found: 20 Corr. Area 1: 870.3
 Noise: 0.5

Peak table for sample 5 : CRF1 24hr root exp2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 28 | 0.00 | 0.0 | |
| 2 | 31 | 0.00 | 0.0 | |
| 3 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 4 | 47 | 79.12 | 2,559.4 | |
| 5 | 49 | 64.48 | 1,990.2 | |
| 6 | 81 | 15.82 | 296.8 | |
| 7 | 84 | 7.97 | 143.3 | |
| 8 | 133 | 25.21 | 287.7 | |
| 9 | 424 | 597.26 | 2,133.0 | |
| 10 | 457 | 36.91 | 122.4 | |
| 11 | 474 | 34.44 | 110.0 | |
| 12 | 507 | 16.73 | 50.0 | |
| 13 | 522 | 19.00 | 55.1 | |
| 14 | 531 | 35.68 | 101.8 | |
| 15 | 615 | 7.24 | 17.8 | |
| 16 | 654 | 12.41 | 28.8 | |
| 17 | 795 | 5.41 | 10.3 | |
| 18 | 860 | 4.66 | 8.2 | |
| 19 | 1,026 | 4.37 | 6.4 | |
| 20 | 1,268 | 3.56 | 4.2 | |
| 21 | 1,405 | 3.20 | 3.5 | |
| 22 | 10,380 | 75.00 | 10.9 | Upper Marker |

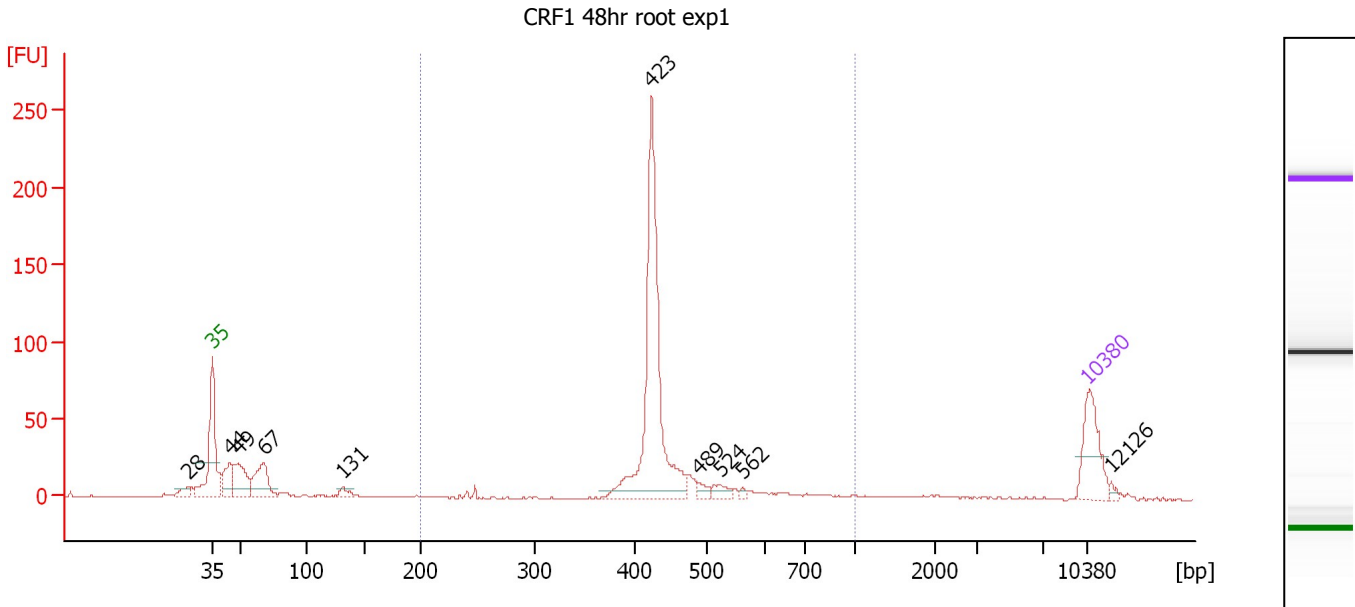
Region table for sample 5 : CRF1 24hr root exp2

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 200 | 2,720.0 | 466 | 808.85 | 1,000 | 870.3 | 77 | 20.3 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-03\2012-05-03_003.xad

Created: 5/3/2012 1:05:20 PM
 Modified: 5/3/2012 1:46:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : CRF1 48hr root exp1

Number of peaks found: 10 Corr. Area 1: 494.8
 Noise: 0.5

Peak table for sample 6 : CRF1 48hr root exp1

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 28 | 0.00 | 0.0 | |
| 2 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 3 | 44 | 68.63 | 2,345.2 | |
| 4 | 49 | 94.89 | 2,941.9 | |
| 5 | 67 | 100.06 | 2,246.7 | |
| 6 | 131 | 16.54 | 191.4 | |
| 7 | 423 | 447.70 | 1,603.1 | |
| 8 | 489 | 12.61 | 39.1 | |
| 9 | 524 | 17.57 | 50.8 | |
| 10 | 562 | 4.47 | 12.1 | |
| 11 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 12 | 12,126 | 0.00 | 0.0 | |

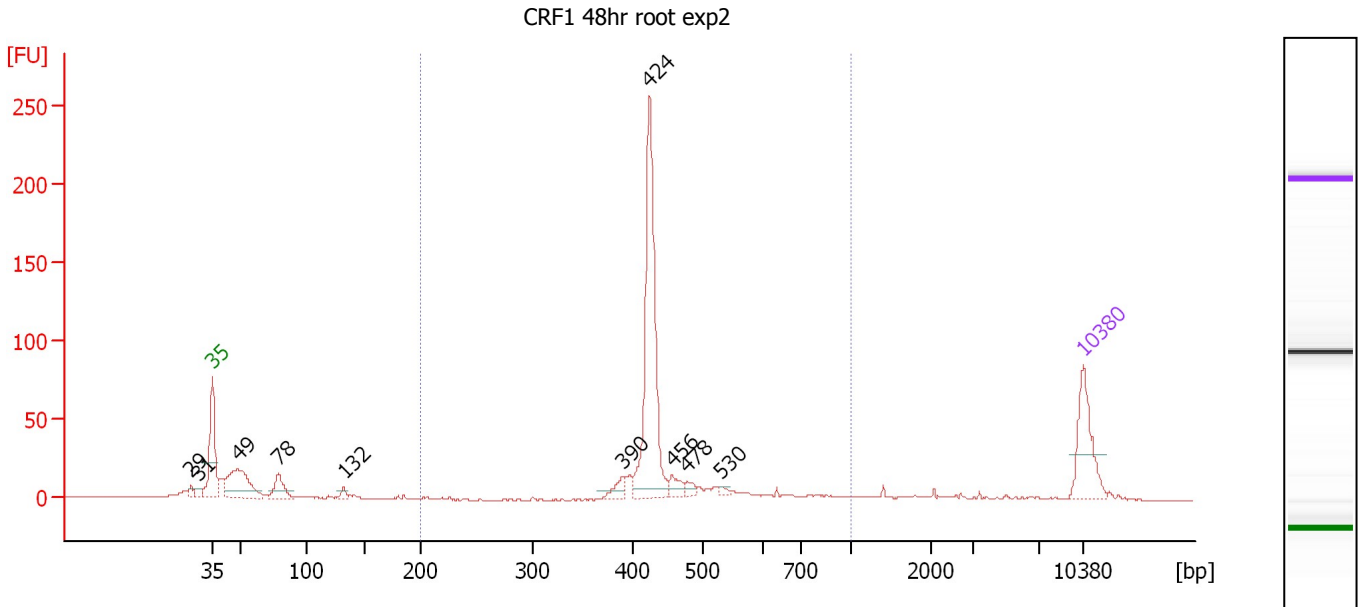
Region table for sample 6 : CRF1 48hr root exp1

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 200 | 1,899.6 | 451 | 546.39 | 1,000 | 494.8 | 65 | 18.5 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-03\2012-05-03_003.xad

Created: 5/3/2012 1:05:20 PM
 Modified: 5/3/2012 1:46:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : CRF1 48hr root exp2

Number of peaks found: 10 Corr. Area 1: 432.4
 Noise: 0.3

Peak table for sample 7 : CRF1 48hr root exp2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 29 | 0.00 | 0.0 | |
| 2 | 31 | 0.00 | 0.0 | |
| 3 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 4 | 49 | 146.60 | 4,564.8 | |
| 5 | 78 | 49.48 | 955.3 | |
| 6 | 132 | 11.48 | 131.2 | |
| 7 | 390 | 21.64 | 84.2 | |
| 8 | 424 | 340.75 | 1,219.0 | |
| 9 | 456 | 20.39 | 67.7 | |
| 10 | 478 | 10.59 | 33.6 | |
| 11 | 530 | 4.93 | 14.1 | |
| 12 | 10,380 | 75.00 | 10.9 | Upper Marker |

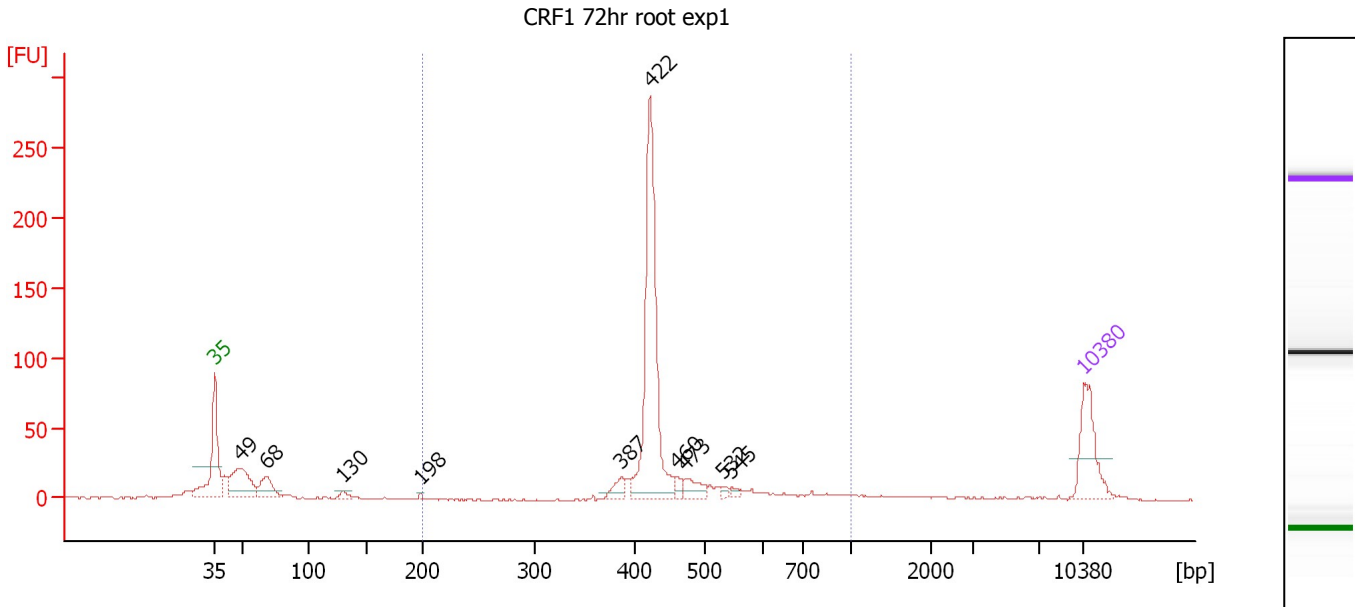
Region table for sample 7 : CRF1 48hr root exp2

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 200 | 1,649.4 | 452 | 478.09 | 1,000 | 432.4 | 66 | 18.4 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-03\2012-05-03_003.xad

Created: 5/3/2012 1:05:20 PM
 Modified: 5/3/2012 1:46:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : CRF1 72hr root exp1

Number of peaks found: 10 Corr. Area 1: 540.7
 Noise: 0.4

Peak table for sample 8 : CRF1 72hr root exp1

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 49 | 130.28 | 4,053.1 | |
| 3 | 68 | 58.37 | 1,296.6 | |
| 4 | 130 | 10.36 | 121.2 | |
| 5 | 198 | 2.63 | 20.1 | |
| 6 | 387 | 23.42 | 91.7 | |
| 7 | 422 | 386.75 | 1,387.2 | |
| 8 | 460 | 13.35 | 44.0 | |
| 9 | 473 | 27.95 | 89.5 | |
| 10 | 532 | 6.16 | 17.5 | |
| 11 | 545 | 6.76 | 18.8 | |
| 12 | 10,380 | 75.00 | 10.9 | Upper Marker |

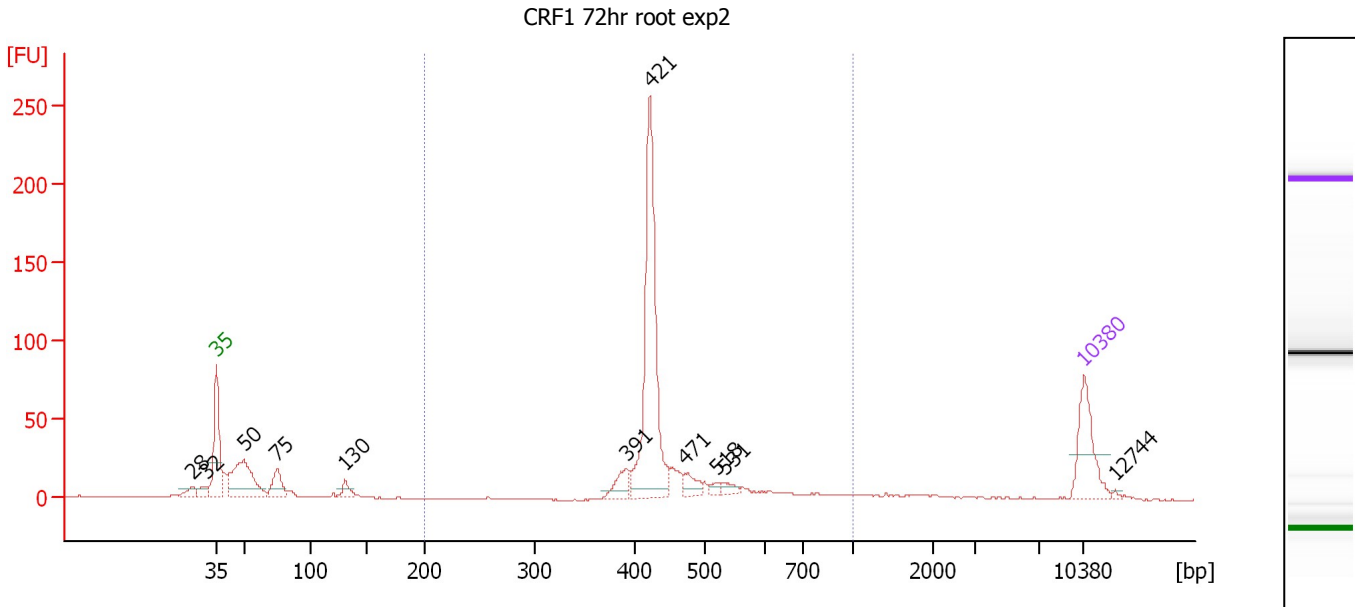
Region table for sample 8 : CRF1 72hr root exp1

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 200 | 1,835.8 | 459 | 537.15 | 1,000 | 540.7 | 69 | 20.4 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-03\2012-05-03_003.xad

Created: 5/3/2012 1:05:20 PM
 Modified: 5/3/2012 1:46:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : CRF1 72hr root exp2

Number of peaks found: 11 Corr. Area 1: 509.0
 Noise: 0.3

Peak table for sample 9 : CRF1 72hr root exp2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 28 | 0.00 | 0.0 | |
| 2 | 32 | 0.00 | 0.0 | |
| 3 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 4 | 50 | 174.81 | 5,342.7 | |
| 5 | 75 | 56.63 | 1,148.9 | |
| 6 | 130 | 23.20 | 270.1 | |
| 7 | 391 | 35.99 | 139.4 | |
| 8 | 421 | 375.95 | 1,353.4 | |
| 9 | 471 | 24.13 | 77.6 | |
| 10 | 518 | 9.56 | 28.0 | |
| 11 | 531 | 11.86 | 33.8 | |
| 12 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 13 | 12,744 | 0.00 | 0.0 | |

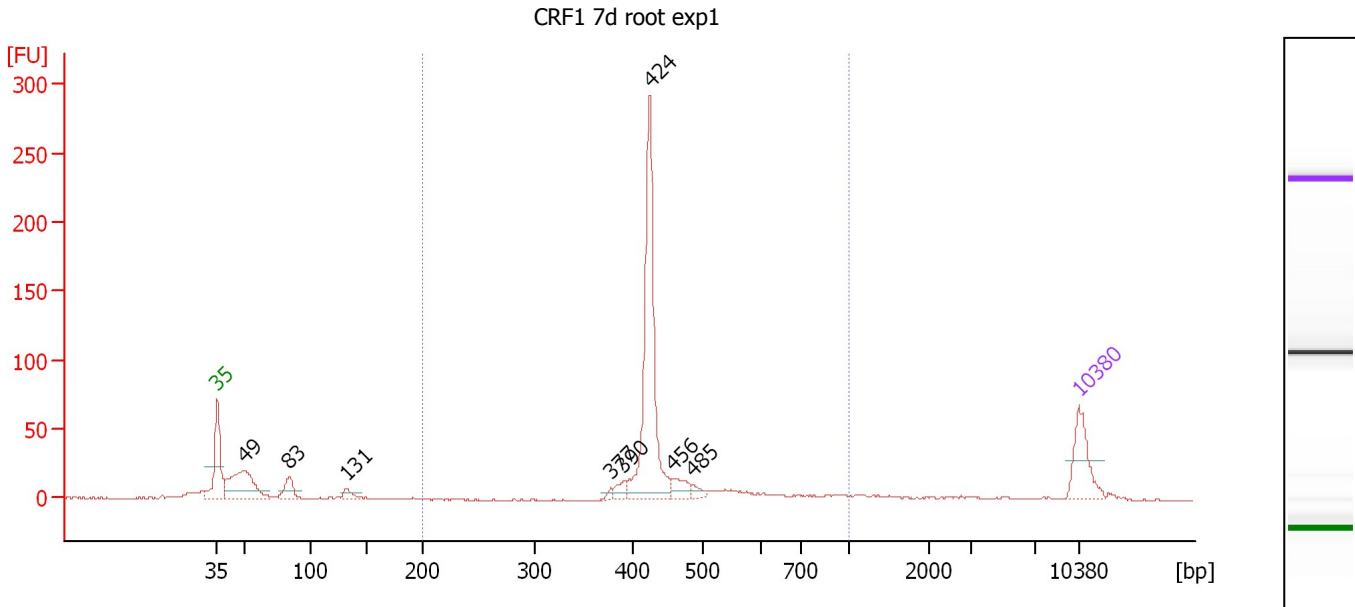
Region table for sample 9 : CRF1 72hr root exp2

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 200 | 1,903.0 | 456 | 555.34 | 1,000 | 509.0 | 66 | 19.6 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-03\2012-05-03_003.xad

Created: 5/3/2012 1:05:20 PM
 Modified: 5/3/2012 1:46:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : CRF1 7d root exp1

Number of peaks found: 8 Corr. Area 1: 457.4
 Noise: 0.3

Peak table for sample 10 : CRF1 7d root exp1

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 49 | 210.86 | 6,469.1 | |
| 3 | 83 | 53.92 | 978.8 | |
| 4 | 131 | 24.24 | 280.5 | |
| 5 | 377 | 7.56 | 30.4 | |
| 6 | 390 | 22.30 | 86.7 | |
| 7 | 424 | 458.74 | 1,641.0 | |
| 8 | 456 | 34.03 | 113.2 | |
| 9 | 485 | 14.97 | 46.8 | |
| 10 | 10,380 | 75.00 | 10.9 | Upper Marker |

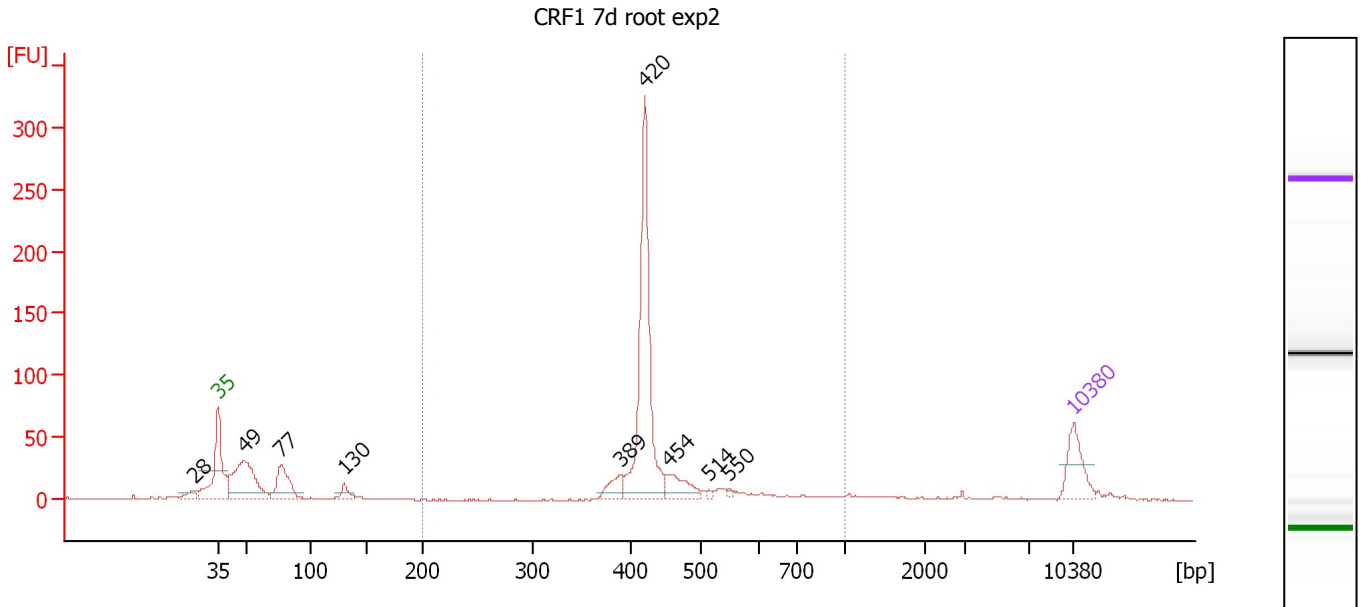
Region table for sample 10 : CRF1 7d root exp1

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 200 | 2,069.7 | 453 | 600.82 | 1,000 | 457.4 | 70 | 19.3 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-03\2012-05-03_003.xad

Created: 5/3/2012 1:05:20 PM
 Modified: 5/3/2012 1:46:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : CRF1 7d root exp2

Number of peaks found: 9 Corr. Area 1: 556.2
 Noise: 0.3

Peak table for sample 11 : CRF1 7d root exp2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 28 | 0.00 | 0.0 | |
| 2 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 3 | 49 | 292.60 | 9,011.6 | |
| 4 | 77 | 136.43 | 2,687.1 | |
| 5 | 130 | 31.30 | 365.4 | |
| 6 | 389 | 47.88 | 186.4 | |
| 7 | 420 | 536.33 | 1,934.2 | |
| 8 | 454 | 69.94 | 233.5 | |
| 9 | 514 | 6.52 | 19.2 | |
| 10 | 550 | 5.99 | 16.5 | |
| 11 | 10,380 | 75.00 | 10.9 | Upper Marker |

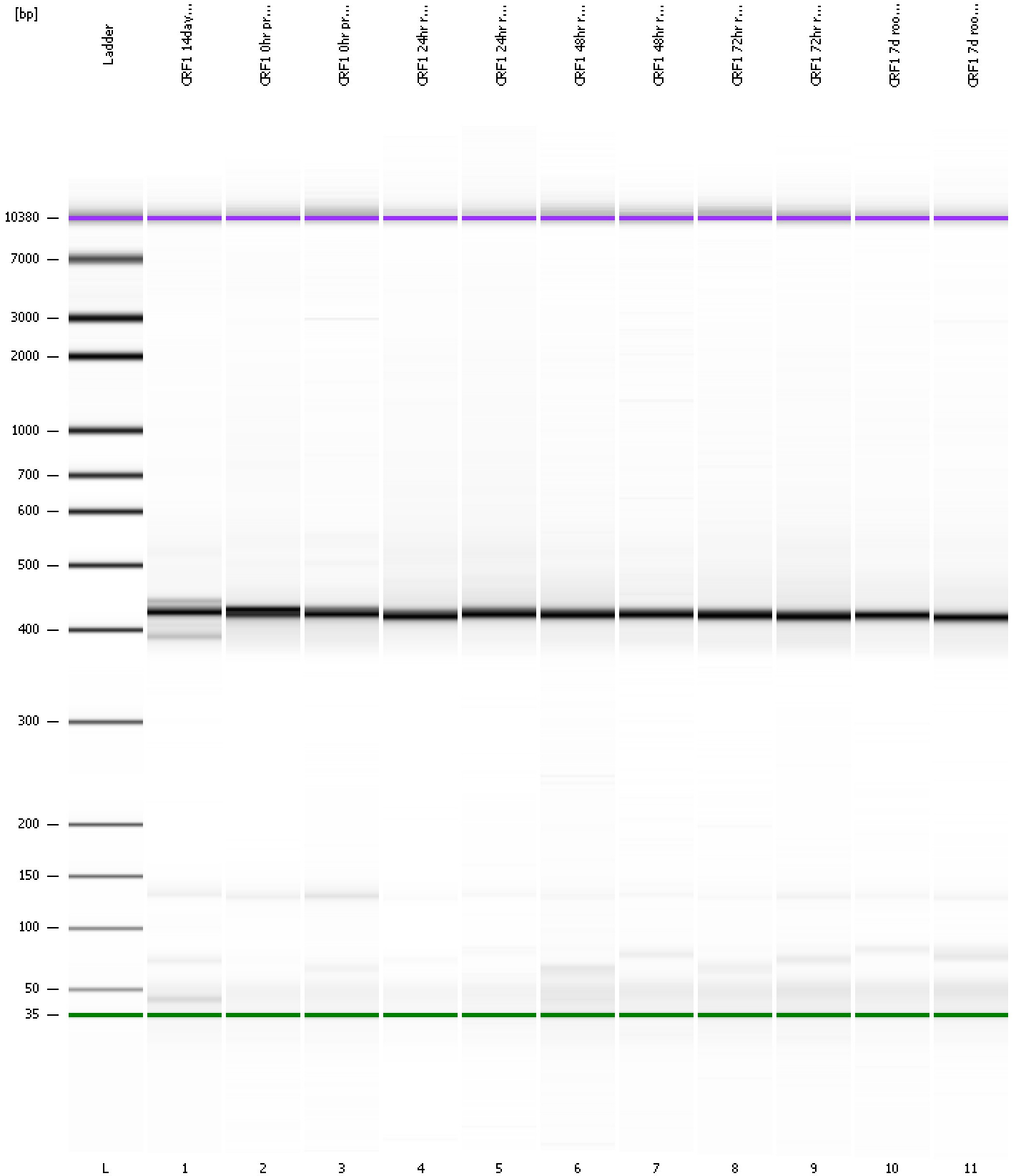
Region table for sample 11 : CRF1 7d root exp2

| From [bp] | Molarity [pmol/l] | Average Size [bp] | Conc. [pg/μl] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|-------------------|-------------------|---------------|---------|------------|------------|-----------------------------|-------|
| 200 | 2,618.8 | 450 | 755.39 | 1,000 | 556.2 | 63 | 19.1 | Blue |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-03\2012-05-03_003.xad

Created: 5/3/2012 1:05:20 PM
Modified: 5/3/2012 1:46:43 PM

Gel Image



Assay Class: High Sensitivity DNA Assay Created: 5/3/2012 1:05:20 PM
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-05-03\2012-05-03_003.xad Modified: 5/3/2012 1:46:43 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 | | 5/3/2012 1:46:38 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2012-05-03\2012-05-03_003.xad) | | Instrument | Run | | 5/3/2012 1:05:25 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 5/3/2012 1:05:25 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 5/3/2012 1:05:25 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 5/3/2012 1:05:25 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 5/3/2012 1:05:25 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 5/3/2012 1:05:25 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 5/3/2012 1:05:25 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |