

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-10-01\2018-10-01_001.xad

Created: 10/1/2018 9:16:17 AM
Modified: 10/1/2018 9:38:41 AM

Electrophoresis File Run Summary

Instrument Information:

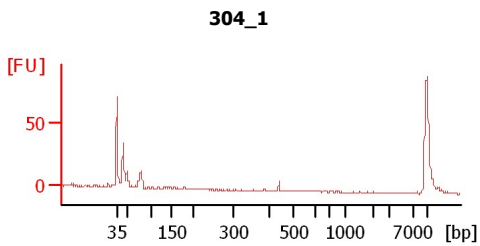
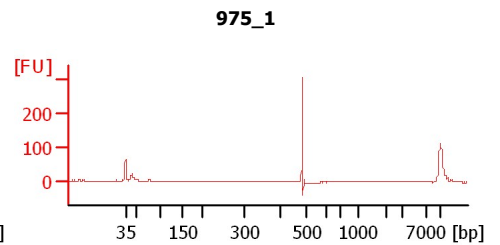
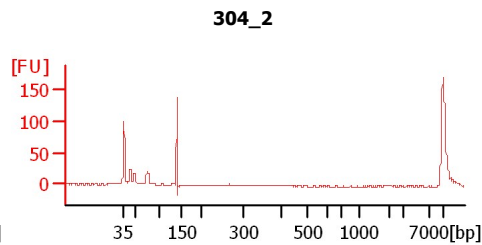
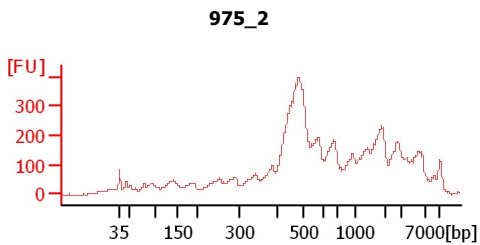
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\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:



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Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|-------------------|----------------|--------------------------|--------|--------------------------|--------------|--------------|
| 975_2 | | <input type="checkbox"/> | ✓ | | | |
| 304_2 | | <input type="checkbox"/> | ✓ | | | |
| 975_1 | | <input type="checkbox"/> | ✓ | | | |
| 304_1 | | <input type="checkbox"/> | ✓ | | | |
| | | <input type="checkbox"/> | | | | |
| | | <input type="checkbox"/> | | | | |
| | | <input type="checkbox"/> | | | | |
| | | <input type="checkbox"/> | | | | |
| | | <input type="checkbox"/> | | | | |
| | | <input type="checkbox"/> | | | | |
| Ladder | | <input type="checkbox"/> | ✓ | | | |
| Chip Lot # | | | | Reagent Kit Lot # | | |

Chip Comments :

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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

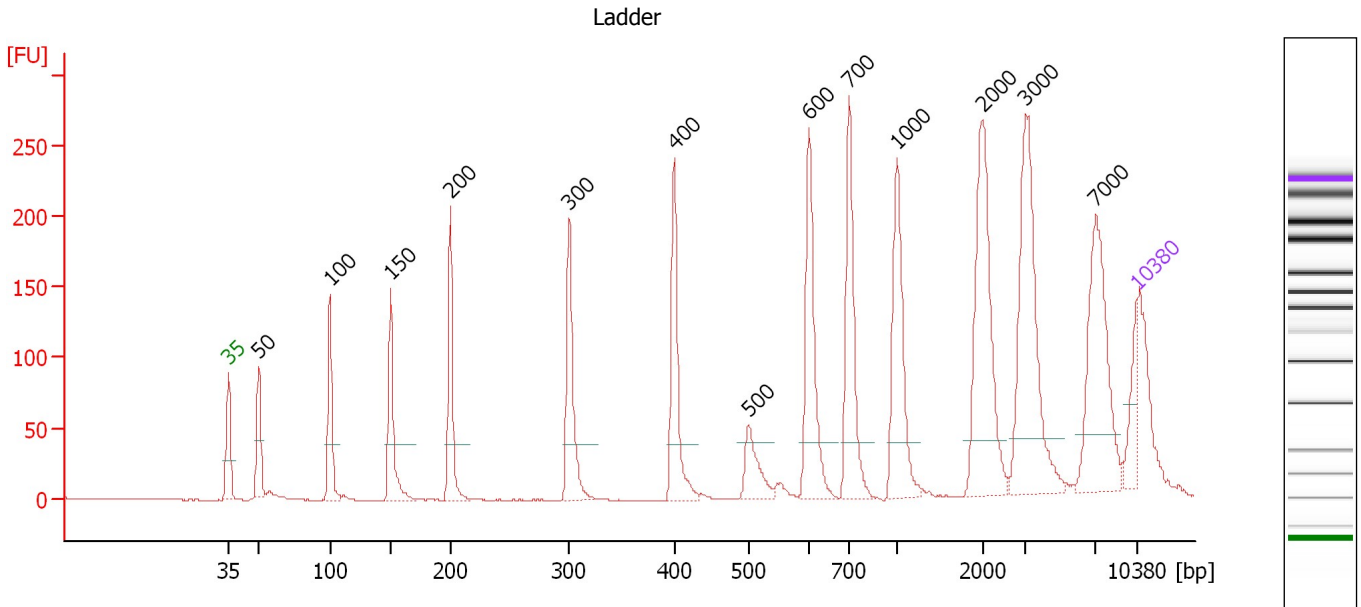
Ladder

| 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 |

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

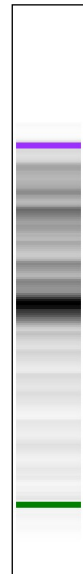
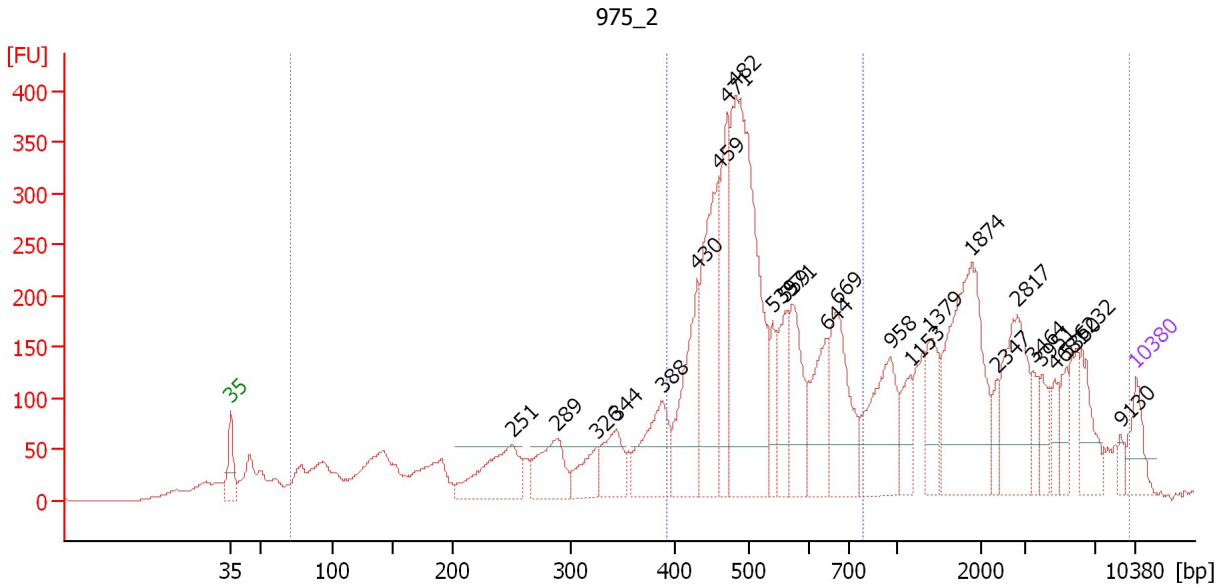
Peak table for Ladder

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 2 | 50 | 150.00 | 4,545.5 | Ladder Peak | 45.34 |
| 3 | 100 | 150.00 | 2,272.7 | Ladder Peak | 50.81 |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak | 55.50 |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak | 60.10 |
| 6 | 300 | 150.00 | 757.6 | Ladder Peak | 69.27 |
| 7 | 400 | 150.00 | 568.2 | Ladder Peak | 77.36 |
| 8 | 500 | 150.00 | 454.5 | Ladder Peak | 83.08 |
| 9 | 600 | 150.00 | 378.8 | Ladder Peak | 87.76 |
| 10 | 700 | 150.00 | 324.7 | Ladder Peak | 90.84 |
| 11 | 1,000 | 150.00 | 227.3 | Ladder Peak | 94.54 |
| 12 | 2,000 | 150.00 | 113.6 | Ladder Peak | 101.12 |
| 13 | 3,000 | 150.00 | 75.8 | Ladder Peak | 104.45 |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak | 109.88 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

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Electropherogram Summary Continued ...



Setpoint Deviations for sample 1 : 975_2

Height Threshold [FU] : 50

Overall Results for sample 1 : 975_2

Number of peaks found: 26 Corr. Area 1: 8,158.8
 Noise: 0.4 Corr. Area 2: 3,720.6

Peak table for sample 1 : 975_2


| Pea k | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|----------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 2 | 251 | 307.80 | 1,857.5 | | 64.78 |
| 3 | 289 | 223.53 | 1,172.5 | | 68.24 |
| 4 | 326 | 124.12 | 576.7 | | 71.38 |
| 5 | 344 | 160.59 | 707.5 | | 72.82 |
| 6 | 388 | 268.18 | 1,047.9 | | 76.37 |
| 7 | 430 | 348.38 | 1,226.8 | | 79.09 |
| 8 | 459 | 501.56 | 1,655.1 | | 80.74 |
| 9 | 471 | 316.75 | 1,018.0 | | 81.44 |
| 10 | 482 | 1,067.58 | 3,354.0 | | 82.06 |
| 11 | 539 | 94.14 | 264.6 | | 84.91 |
| 12 | 559 | 162.71 | 440.7 | | 85.86 |
| 13 | 571 | 220.50 | 585.3 | | 86.39 |
| 14 | 644 | 230.01 | 541.2 | | 89.12 |
| 15 | 669 | 300.29 | 679.7 | | 89.90 |
| 16 | 958 | 284.25 | 449.6 | | 94.03 |
| 17 | 1,153 | 91.81 | 120.6 | | 95.55 |
| 18 | 1,379 | 126.12 | 138.6 | | 97.04 |
| 19 | 1,874 | 479.72 | 387.8 | | 100.30 |
| 20 | 2,347 | 45.04 | 29.1 | | 102.28 |
| 21 | 2,817 | 246.32 | 132.5 | | 103.84 |
| 22 | 3,464 | 51.77 | 22.6 | | 105.08 |

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Electropherogram Summary Continued ...

... Peak table for sample 1 : 975_2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|--|---------------|-------------------|--------------|----------------------------|
| 23 | 3,951 | 57.25 | 22.0 | | 105.74 |
| 24 | 4,681 | 41.26 | 13.4 | | 106.73 |
| 25 | 5,350 | 60.43 | 17.1 | | 107.64 |
| 26 | 6,232 | 105.12 | 25.6 | | 108.83 |
| 27 | 9,130 | 18.40 | 3.1 | | 111.85 |
| 28 |  10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

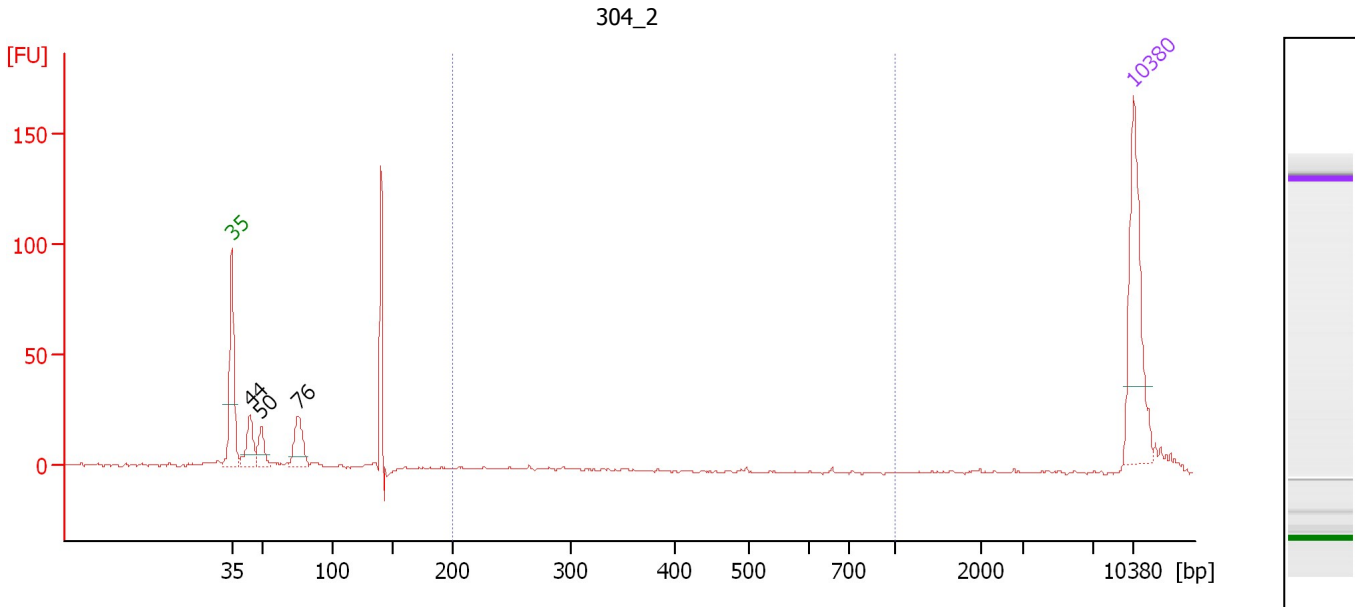
Region table for sample 1 : 975_2

| From [bp] | To [bp] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] |
|-----------|---------|-------------------|---------------|------------|-------------------|--|-----------------------------|
| 71 | 9,790 | 1,368 | 7,185.34 | 8,158.8 | 28,994.7 |  95 | 100.0 |
| 392 | 791 | 521 | 3,293.40 | 3,720.6 | 9,872.5 |  43 | 16.2 |

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Electropherogram Summary Continued ...



Overall Results for sample 2 : 304_2

Number of peaks found: 3 Corr. Area 1: 0.2
 Noise: 0.5

Peak table for sample 2 : 304_2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 2 | 44 | 36.93 | 1,271.5 | | 44.41 |
| 3 | 50 | 24.75 | 756.5 | | 45.28 |
| 4 | 76 | 40.45 | 807.5 | | 48.17 |
| 5 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

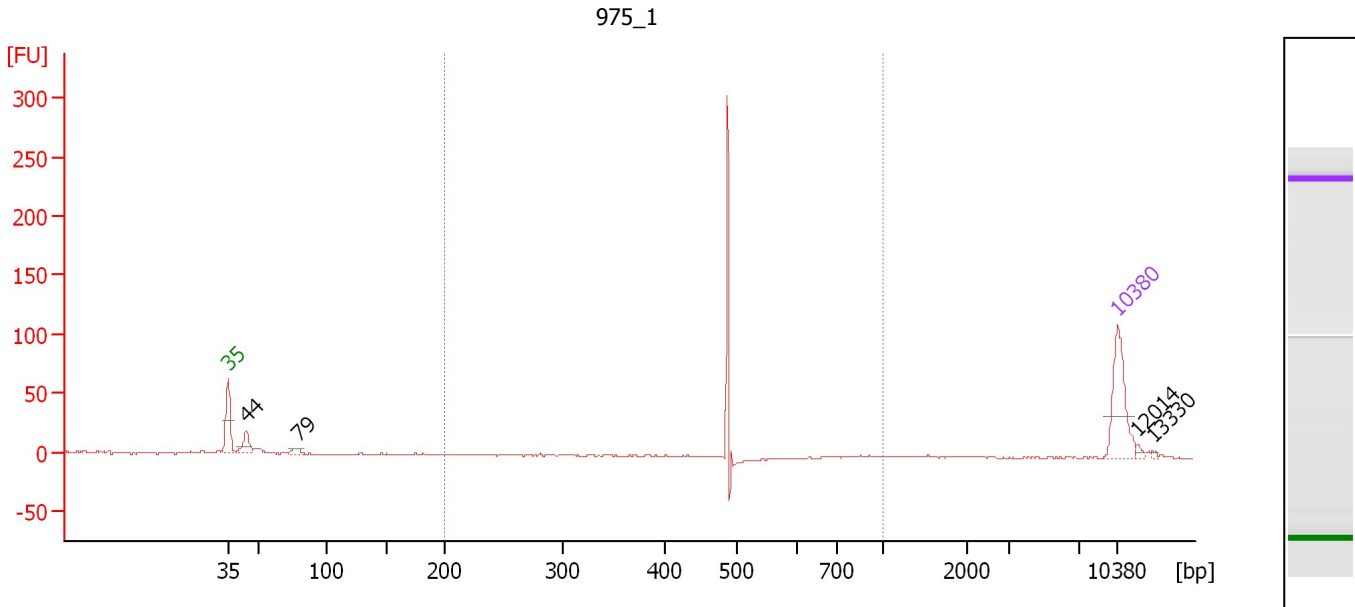
Region table for sample 2 : 304_2

| From [bp] | To [bp] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] |
|-----------|---------|-------------------|---------------|------------|-------------------|-------------------|-----------------------------|
| 200 | 1,000 | 358 | 0.12 | 0.2 | 0.6 | 0 | 43.4 |

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Electropherogram Summary Continued ...



Overall Results for sample 3 : 975_1

Number of peaks found: 4 Corr. Area 1: 75.2
 Noise: 0.5

Peak table for sample 3 : 975_1

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 2 | 44 | 39.72 | 1,363.8 | | 44.43 |
| 3 | 79 | 11.11 | 213.6 | | 48.49 |
| 4 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 5 | 12,014 | 0.00 | 0.0 | | 114.51 |
| 6 | 13,330 | 0.00 | 0.0 | | 115.73 |

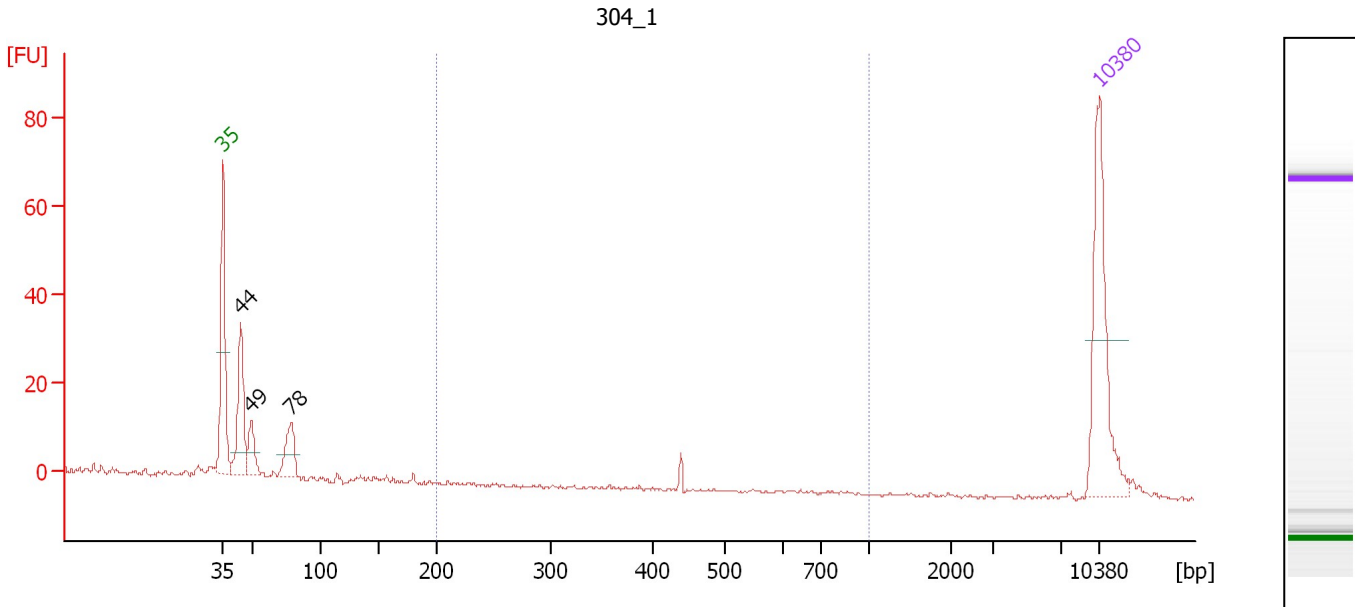
Region table for sample 3 : 975_1

| From [bp] | To [bp] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] |
|-----------|---------|-------------------|---------------|------------|-------------------|-------------------|-----------------------------|
| 200 | 1,000 | 489 | 71.09 | 75.2 | 222.0 | 54 | 9.2 |

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Electropherogram Summary Continued ...



Overall Results for sample 4 : 304_1

Number of peaks found: 3 Corr. Area 1: 2.2
 Noise: 0.3

Peak table for sample 4 : 304_1

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 2 | 44 | 74.14 | 2,537.4 | | 44.45 |
| 3 | 49 | 25.60 | 784.4 | | 45.26 |
| 4 | 78 | 35.79 | 691.5 | | 48.45 |
| 5 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Region table for sample 4 : 304_1

| From [bp] | To [bp] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] |
|-----------|---------|-------------------|---------------|------------|-------------------|-------------------|-----------------------------|
| 200 | 1,000 | 435 | 2.42 | 2.2 | 8.7 | 2 | 11.1 |

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Gel Image

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Invalid Samples

Sample 5 has not been run, no results available.

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.