

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-28\2015-09-28_002.xad

Created: 9/28/2015 12:32:56 PM
Modified: 9/28/2015 1:19:09 PM

Electrophoresis File Run Summary

Instrument Information:

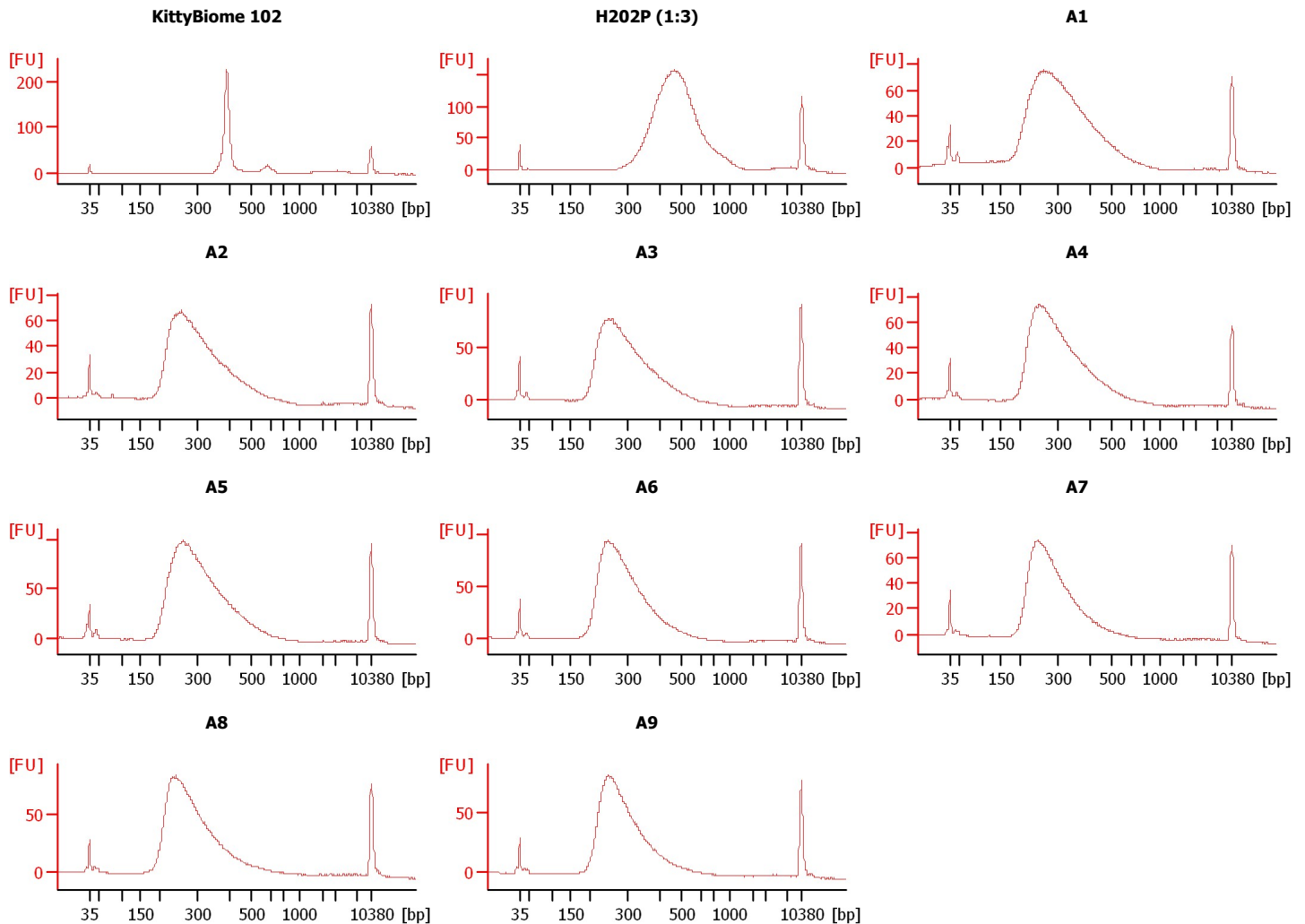
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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\2015-09-28\2015-09-28_002.xad

Created: 9/28/2015 12:32:56 PM
 Modified: 9/28/2015 1:19:09 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|----------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| KittyBiome 102 | | <input type="checkbox"/> | ✓ | | | |
| H202P (1:3) | | <input type="checkbox"/> | ✓ | | | |
| A1 | | <input type="checkbox"/> | ✓ | | | |
| A2 | | <input type="checkbox"/> | ✓ | | | |
| A3 | | <input type="checkbox"/> | ✓ | | | |
| A4 | | <input type="checkbox"/> | ✓ | | | |
| A5 | | <input type="checkbox"/> | ✓ | | | |
| A6 | | <input type="checkbox"/> | ✓ | | | |
| A7 | | <input type="checkbox"/> | ✓ | | | |
| A8 | | <input type="checkbox"/> | ✓ | | | |
| A9 | | <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\2015-09-28\2015-09-28_002.xad

Created: 9/28/2015 12:32:56 PM
Modified: 9/28/2015 1:19:09 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

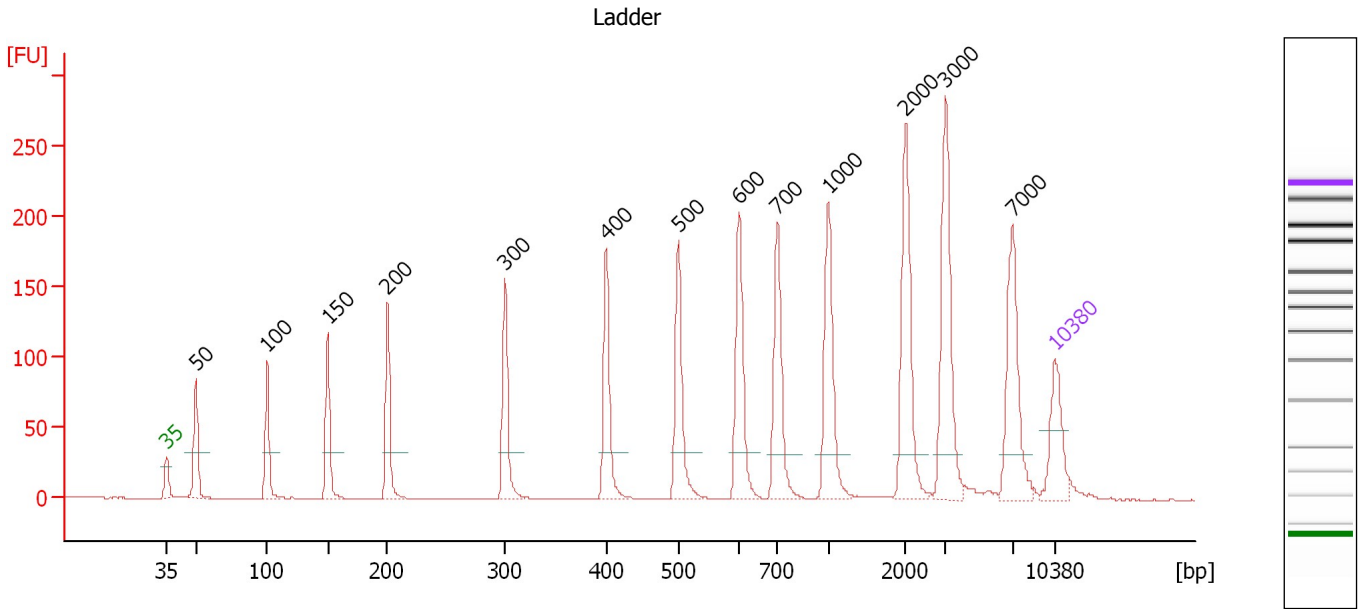
Ladder

| 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\2015-09-28\2015-09-28_002.xad

Created: 9/28/2015 12:32:56 PM
 Modified: 9/28/2015 1:19:09 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

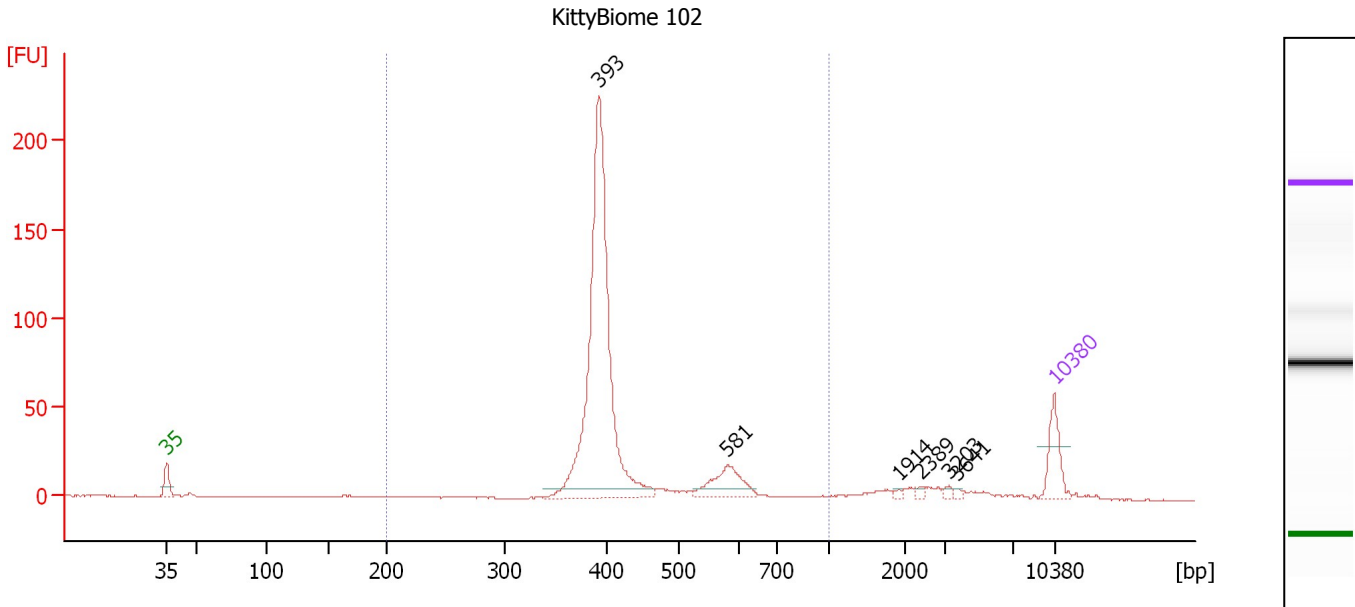
Peak table for Ladder

| 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 | 50.94 |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak | 55.70 |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak | 60.42 |
| 6 | 300 | 150.00 | 757.6 | Ladder Peak | 69.69 |
| 7 | 400 | 150.00 | 568.2 | Ladder Peak | 77.67 |
| 8 | 500 | 150.00 | 454.5 | Ladder Peak | 83.36 |
| 9 | 600 | 150.00 | 378.8 | Ladder Peak | 88.12 |
| 10 | 700 | 150.00 | 324.7 | Ladder Peak | 91.17 |
| 11 | 1,000 | 150.00 | 227.3 | Ladder Peak | 95.18 |
| 12 | 2,000 | 150.00 | 113.6 | Ladder Peak | 101.27 |
| 13 | 3,000 | 150.00 | 75.8 | Ladder Peak | 104.40 |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak | 109.69 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-28\2015-09-28_002.xad

Created: 9/28/2015 12:32:56 PM
 Modified: 9/28/2015 1:19:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : KittyBiome 102

Number of peaks found: 6 Corr. Area 1: 633.0
 Noise: 0.2

Peak table for sample 1 : KittyBiome 102

| 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 | 393 | 1,102.64 | 4,254.3 | | 77.09 |
| 3 | 581 | 109.65 | 286.1 | | 87.20 |
| 4 | 1,914 | 4.95 | 3.9 | | 100.75 |
| 5 | 2,389 | 7.39 | 4.7 | | 102.48 |
| 6 | 3,203 | 7.50 | 3.5 | | 104.67 |
| 7 | 3,641 | 6.04 | 2.5 | | 105.25 |
| 8 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

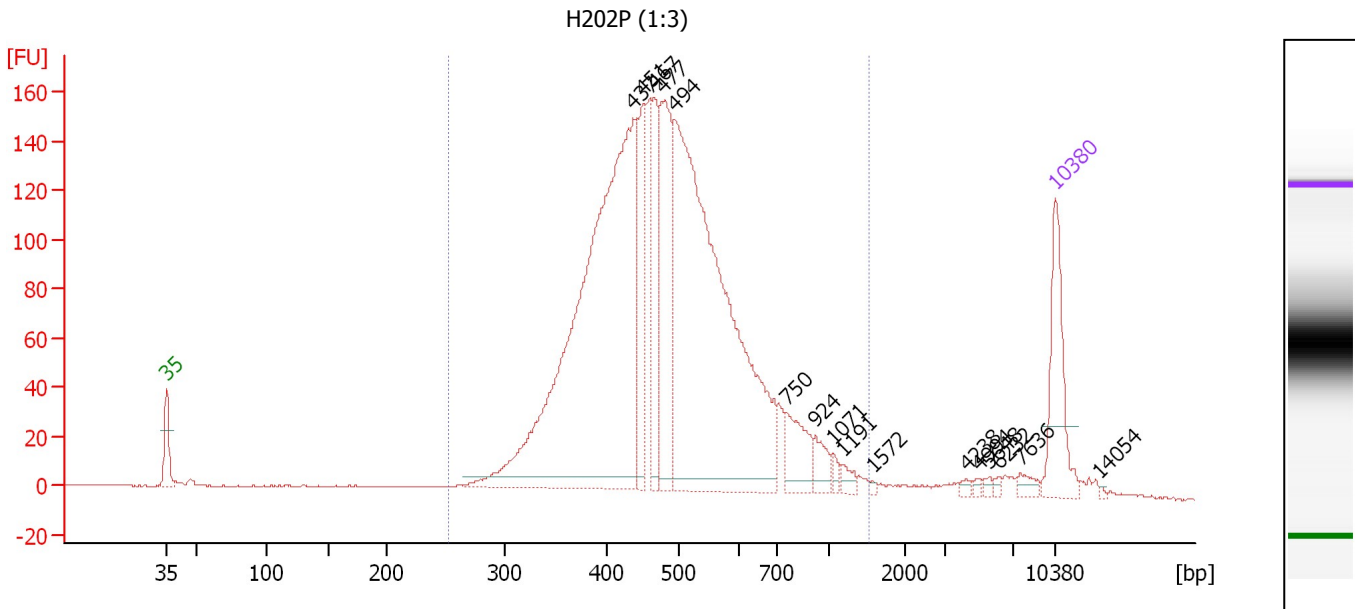
Region table for sample 1 : KittyBiome 102

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 200 | 424 | 1,000 | 633.0 | 4,708.2 | 88 | 18.3 | 1,277.08 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-28\2015-09-28_002.xad

Created: 9/28/2015 12:32:56 PM
 Modified: 9/28/2015 1:19:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : H202P (1:3)

Number of peaks found: 16 Corr. Area 1: 2,724.2
 Noise: 0.2

Peak table for sample 2 : H202P (1:3)

| 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 | 437 | 851.57 | 2,952.5 | | 79.78 |
| 3 | 451 | 108.47 | 364.1 | | 80.59 |
| 4 | 467 | 102.05 | 331.4 | | 81.46 |
| 5 | 477 | 183.83 | 583.9 | | 82.05 |
| 6 | 494 | 762.13 | 2,338.5 | | 83.01 |
| 7 | 750 | 54.04 | 109.2 | | 91.84 |
| 8 | 924 | 22.49 | 36.9 | | 94.16 |
| 9 | 1,071 | 6.54 | 9.2 | | 95.61 |
| 10 | 1,191 | 9.18 | 11.7 | | 96.34 |
| 11 | 1,572 | 2.07 | 2.0 | | 98.66 |
| 12 | 4,238 | 3.47 | 1.2 | | 106.04 |
| 13 | 4,994 | 3.13 | 1.0 | | 107.04 |
| 14 | 5,648 | 3.72 | 1.0 | | 107.90 |
| 15 | 6,232 | 2.84 | 0.7 | | 108.68 |
| 16 | 7,636 | 8.96 | 1.8 | | 110.31 |
| 17 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 18 | 14,054 | 0.00 | 0.0 | | 116.60 |

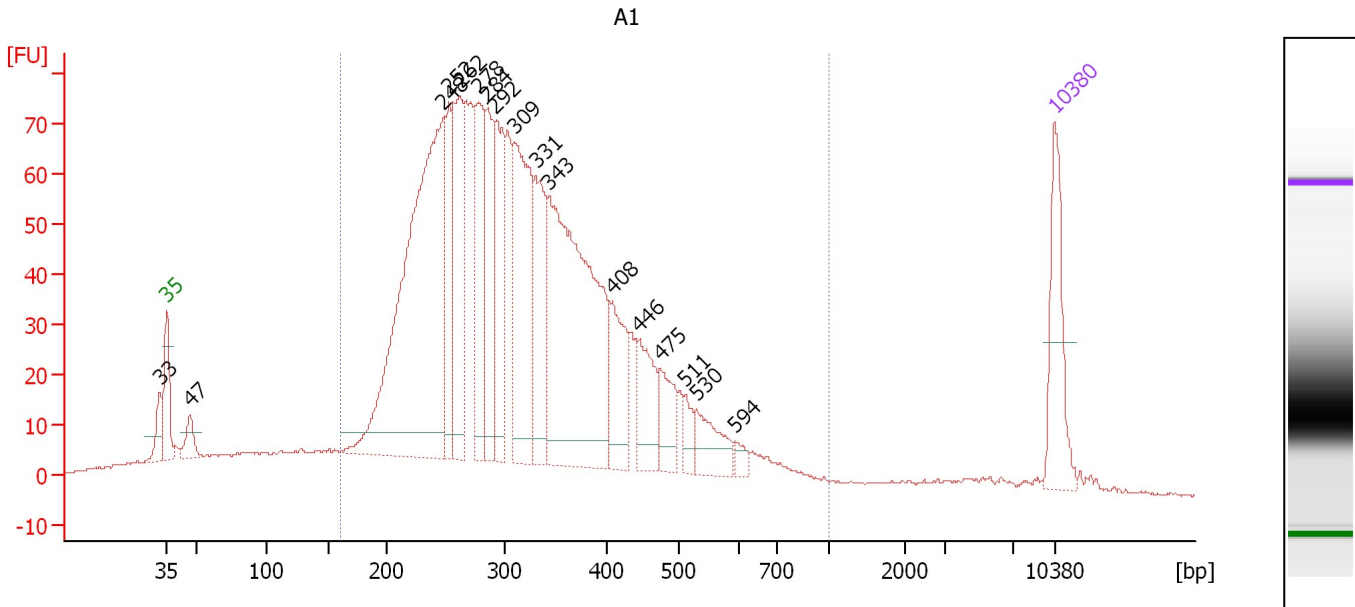
Region table for sample 2 : H202P (1:3)

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 252 | 502 | 1,523 | 2,724.2 | 7,473.3 | 94 | 30.2 | 2,273.12 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-28\2015-09-28_002.xad

Created: 9/28/2015 12:32:56 PM
 Modified: 9/28/2015 1:19:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : A1

Number of peaks found: 17 Corr. Area 1: 1,992.2
 Noise: 0.3

Peak table for sample 3 : A1

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 33 | 0.00 | 0.0 | | 42.45 |
| 2 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 3 | 47 | 33.18 | 1,067.0 | | 44.89 |
| 4 | 248 | 663.16 | 4,056.1 | | 64.84 |
| 5 | 252 | 115.78 | 695.6 | | 65.26 |
| 6 | 262 | 179.53 | 1,039.6 | | 66.13 |
| 7 | 278 | 136.44 | 744.7 | | 67.61 |
| 8 | 284 | 114.72 | 612.0 | | 68.21 |
| 9 | 292 | 155.19 | 806.7 | | 68.90 |
| 10 | 309 | 243.57 | 1,195.8 | | 70.37 |
| 11 | 331 | 129.59 | 594.0 | | 72.12 |
| 12 | 343 | 469.93 | 2,074.3 | | 73.14 |
| 13 | 408 | 86.61 | 321.7 | | 78.12 |
| 14 | 446 | 72.07 | 244.9 | | 80.28 |
| 15 | 475 | 48.43 | 154.5 | | 81.94 |
| 16 | 511 | 20.39 | 60.5 | | 83.88 |
| 17 | 530 | 49.02 | 140.1 | | 84.80 |
| 18 | 594 | 11.11 | 28.3 | | 87.84 |
| 19 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

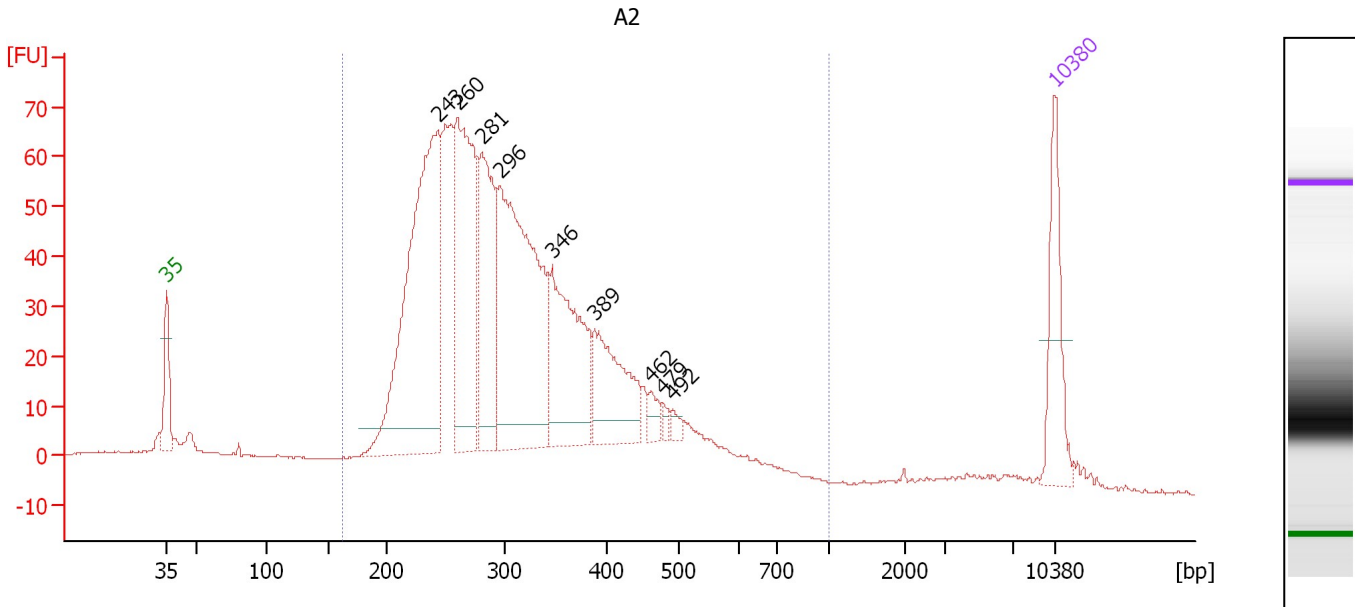
Region table for sample 3 : A1

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 162 | 331 | 1,000 | 1,992.2 | 16,519.7 | 88 | 32.9 | 3,199.99 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-28\2015-09-28_002.xad

Created: 9/28/2015 12:32:56 PM
 Modified: 9/28/2015 1:19:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : A2

Number of peaks found: 9 Corr. Area 1: 1,511.4
 Noise: 0.1

Peak table for sample 4 : A2

| 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 | 243 | 535.00 | 3,335.4 | | 64.41 |
| 3 | 260 | 312.32 | 1,821.7 | | 65.96 |
| 4 | 281 | 210.48 | 1,136.8 | | 67.88 |
| 5 | 296 | 444.97 | 2,279.7 | | 69.29 |
| 6 | 346 | 207.99 | 910.2 | | 73.38 |
| 7 | 389 | 128.85 | 502.5 | | 76.76 |
| 8 | 462 | 17.06 | 56.0 | | 81.17 |
| 9 | 479 | 7.73 | 24.5 | | 82.15 |
| 10 | 492 | 7.72 | 23.8 | | 82.91 |
| 11 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

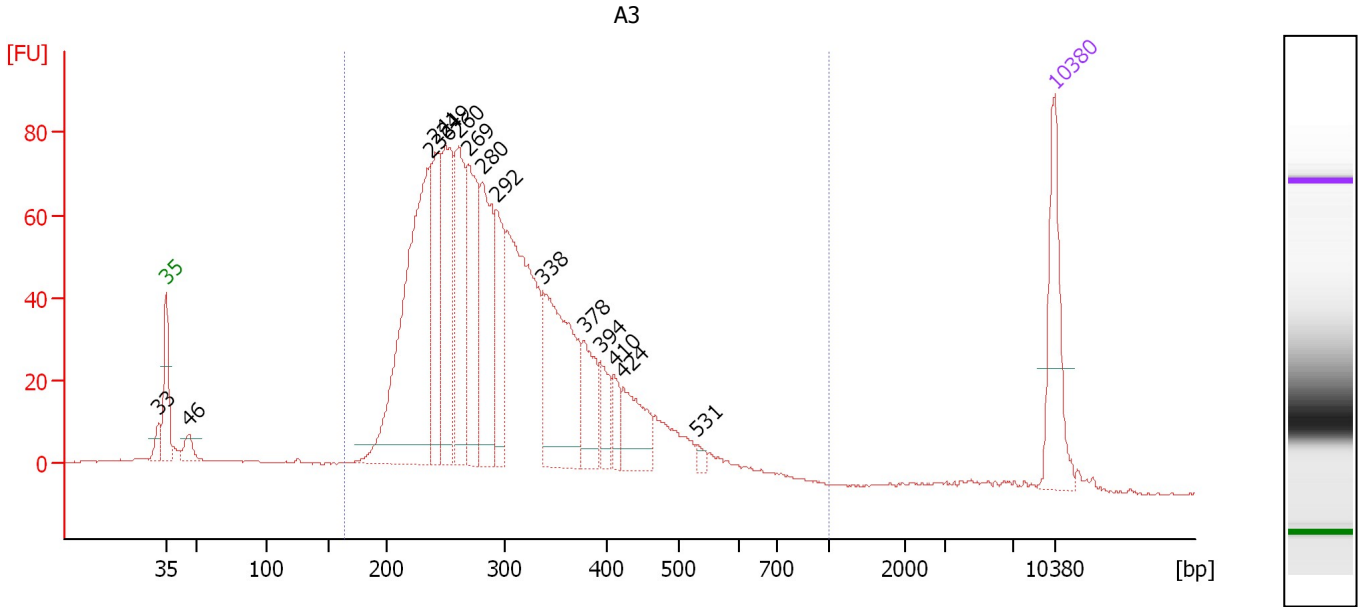
Region table for sample 4 : A2

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 162 | 320 | 1,000 | 1,511.4 | 12,671.6 | 93 | 30.5 | 2,425.01 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-28\2015-09-28_002.xad

Created: 9/28/2015 12:32:56 PM
 Modified: 9/28/2015 1:19:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : A3

Number of peaks found: 15 Corr. Area 1: 1,655.8
 Noise: 0.2

Peak table for sample 5 : A3

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 33 | 0.00 | 0.0 | | 42.38 |
| 2 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 3 | 46 | 21.23 | 699.2 | | 44.72 |
| 4 | 236 | 403.88 | 2,590.8 | | 63.78 |
| 5 | 241 | 147.44 | 927.6 | | 64.20 |
| 6 | 249 | 163.73 | 996.0 | | 64.97 |
| 7 | 260 | 148.82 | 866.0 | | 66.02 |
| 8 | 269 | 158.10 | 890.1 | | 66.83 |
| 9 | 280 | 161.20 | 870.9 | | 67.87 |
| 10 | 292 | 97.99 | 508.0 | | 68.97 |
| 11 | 338 | 197.58 | 885.2 | | 72.73 |
| 12 | 378 | 62.22 | 249.3 | | 75.93 |
| 13 | 394 | 34.46 | 132.4 | | 77.21 |
| 14 | 410 | 20.42 | 75.4 | | 78.26 |
| 15 | 424 | 62.89 | 224.8 | | 79.02 |
| 16 | 531 | 6.82 | 19.5 | | 84.84 |
| 17 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

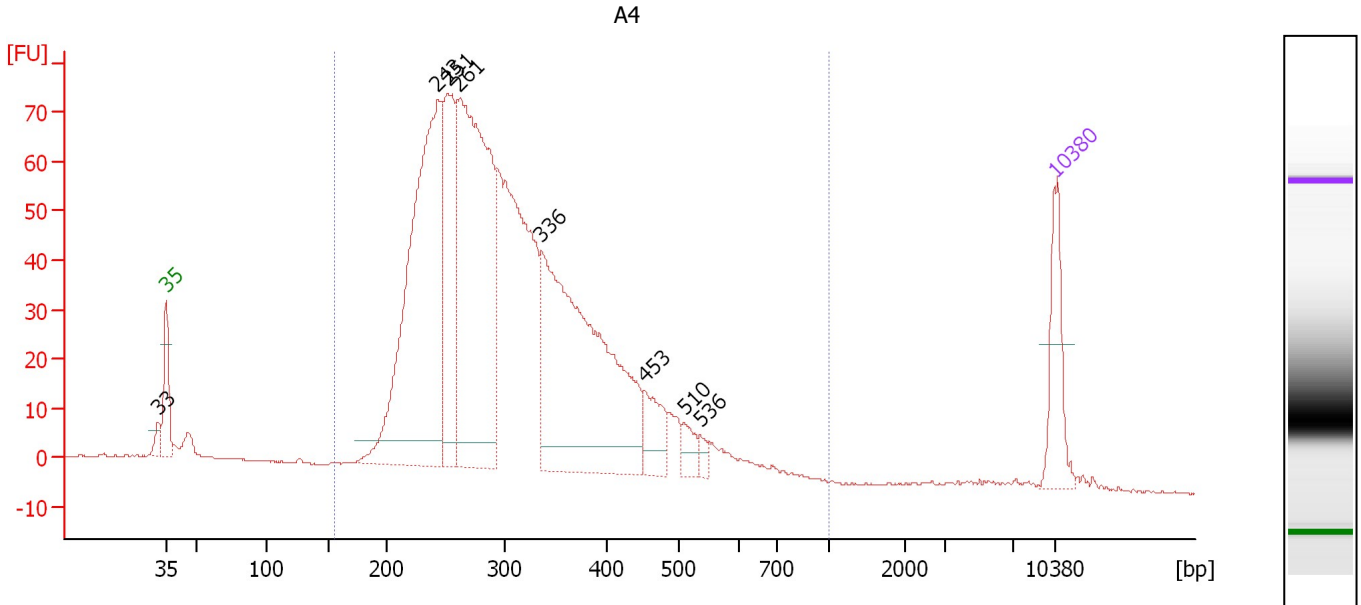
Region table for sample 5 : A3

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 164 | 312 | 1,000 | 1,655.8 | 11,587.0 | 93 | 29.3 | 2,181.81 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-28\2015-09-28_002.xad

Created: 9/28/2015 12:32:56 PM
 Modified: 9/28/2015 1:19:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : A4

Number of peaks found: 8 Corr. Area 1: 1,565.8
 Noise: 0.2

Peak table for sample 6 : A4

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 33 | 0.00 | 0.0 | | 42.37 |
| 2 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 3 | 243 | 749.88 | 4,682.8 | | 64.37 |
| 4 | 251 | 272.61 | 1,642.4 | | 65.19 |
| 5 | 261 | 724.30 | 4,207.0 | | 66.06 |
| 6 | 336 | 674.31 | 3,044.7 | | 72.52 |
| 7 | 453 | 68.99 | 230.8 | | 80.68 |
| 8 | 510 | 27.78 | 82.6 | | 83.81 |
| 9 | 536 | 12.84 | 36.3 | | 85.07 |
| 10 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

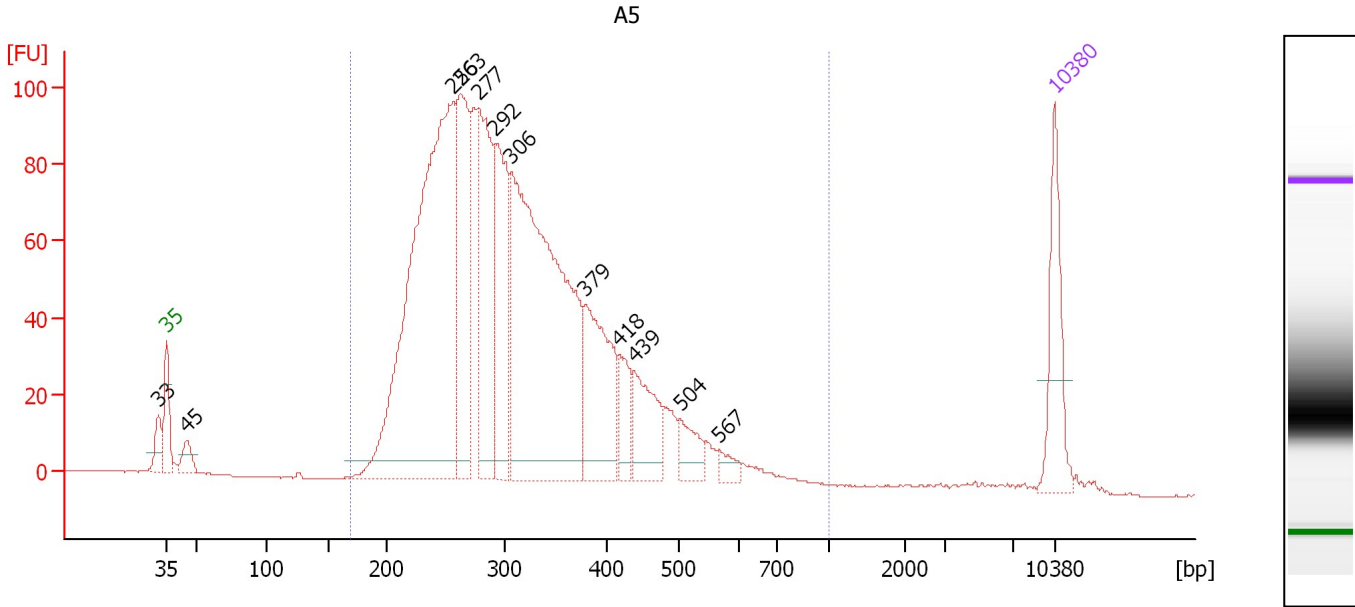
Region table for sample 6 : A4

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 155 | 316 | 1,000 | 1,565.8 | 16,568.4 | 96 | 28.9 | 3,162.26 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-28\2015-09-28_002.xad

Created: 9/28/2015 12:32:56 PM
 Modified: 9/28/2015 1:19:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : A5

Number of peaks found: 12 Corr. Area 1: 2,129.5
 Noise: 0.1

Peak table for sample 7 : A5

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 33 | 0.00 | 0.0 | | 42.37 |
| 2 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 3 | 45 | 29.49 | 986.1 | | 44.61 |
| 4 | 256 | 817.88 | 4,842.2 | | 65.60 |
| 5 | 263 | 225.35 | 1,299.4 | | 66.24 |
| 6 | 277 | 239.84 | 1,309.6 | | 67.60 |
| 7 | 292 | 203.83 | 1,058.8 | | 68.92 |
| 8 | 306 | 685.72 | 3,393.0 | | 70.18 |
| 9 | 379 | 171.05 | 683.0 | | 76.03 |
| 10 | 418 | 48.19 | 174.6 | | 78.71 |
| 11 | 439 | 85.02 | 293.6 | | 79.88 |
| 12 | 504 | 37.18 | 111.9 | | 83.53 |
| 13 | 567 | 15.06 | 40.3 | | 86.55 |
| 14 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

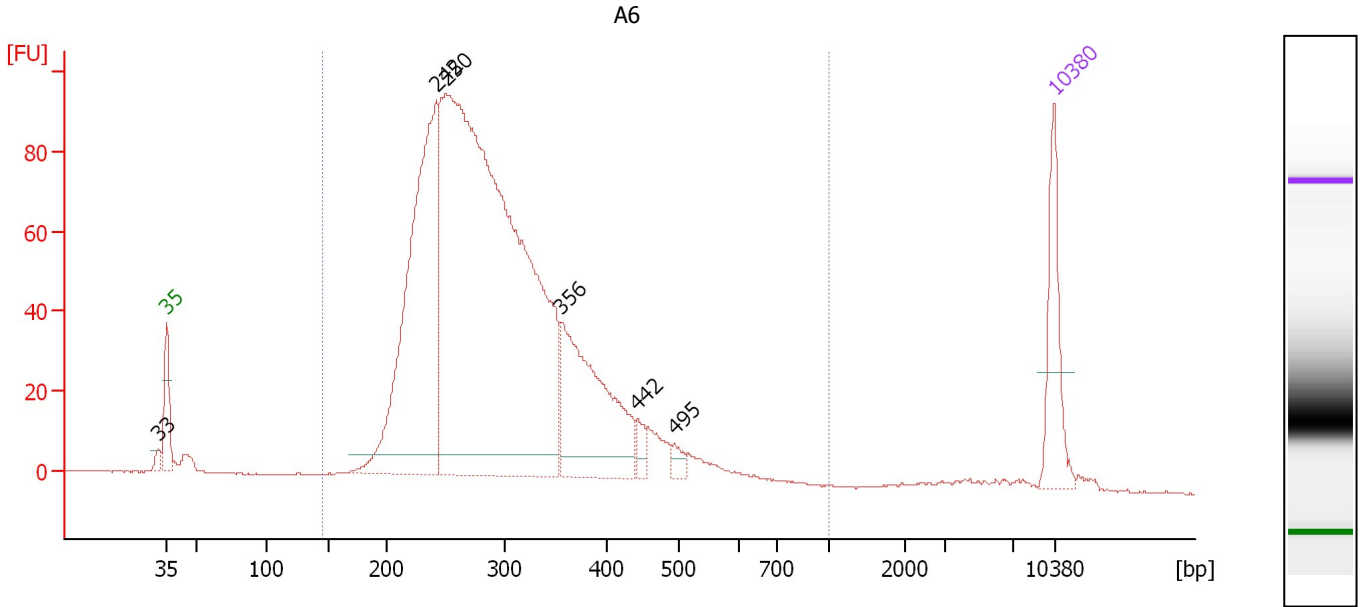
Region table for sample 7 : A5

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 169 | 321 | 1,000 | 2,129.5 | 14,188.0 | 97 | 28.9 | 2,745.25 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-28\2015-09-28_002.xad

Created: 9/28/2015 12:32:56 PM
 Modified: 9/28/2015 1:19:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : A6

Number of peaks found: 6 Corr. Area 1: 1,770.1
 Noise: 0.1

Peak table for sample 8 : A6

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 33 | 0.00 | 0.0 | | 42.36 |
| 2 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 3 | 242 | 591.05 | 3,707.0 | | 64.27 |
| 4 | 250 | 1,560.26 | 9,454.2 | | 65.06 |
| 5 | 356 | 273.36 | 1,164.6 | | 74.13 |
| 6 | 442 | 17.17 | 58.9 | | 80.06 |
| 7 | 495 | 13.54 | 41.5 | | 83.05 |
| 8 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

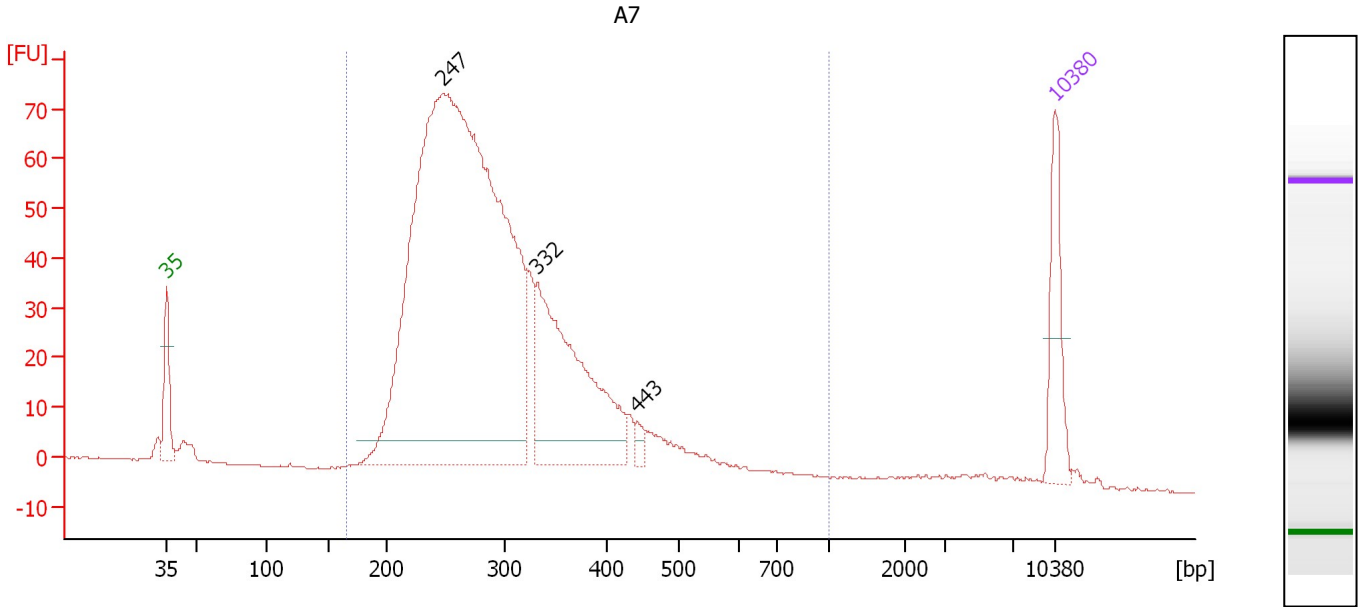
Region table for sample 8 : A6

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 146 | 303 | 1,000 | 1,770.1 | 13,348.5 | 97 | 26.6 | 2,479.54 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-28\2015-09-28_002.xad

Created: 9/28/2015 12:32:56 PM
 Modified: 9/28/2015 1:19:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : A7

Number of peaks found: 3 Corr. Area 1: 1,330.3
 Noise: 0.1

Peak table for sample 9 : A7

| 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 | 247 | 1,878.55 | 11,520.5 | | 64.78 |
| 3 | 332 | 386.49 | 1,766.0 | | 72.21 |
| 4 | 443 | 13.00 | 44.4 | | 80.13 |
| 5 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

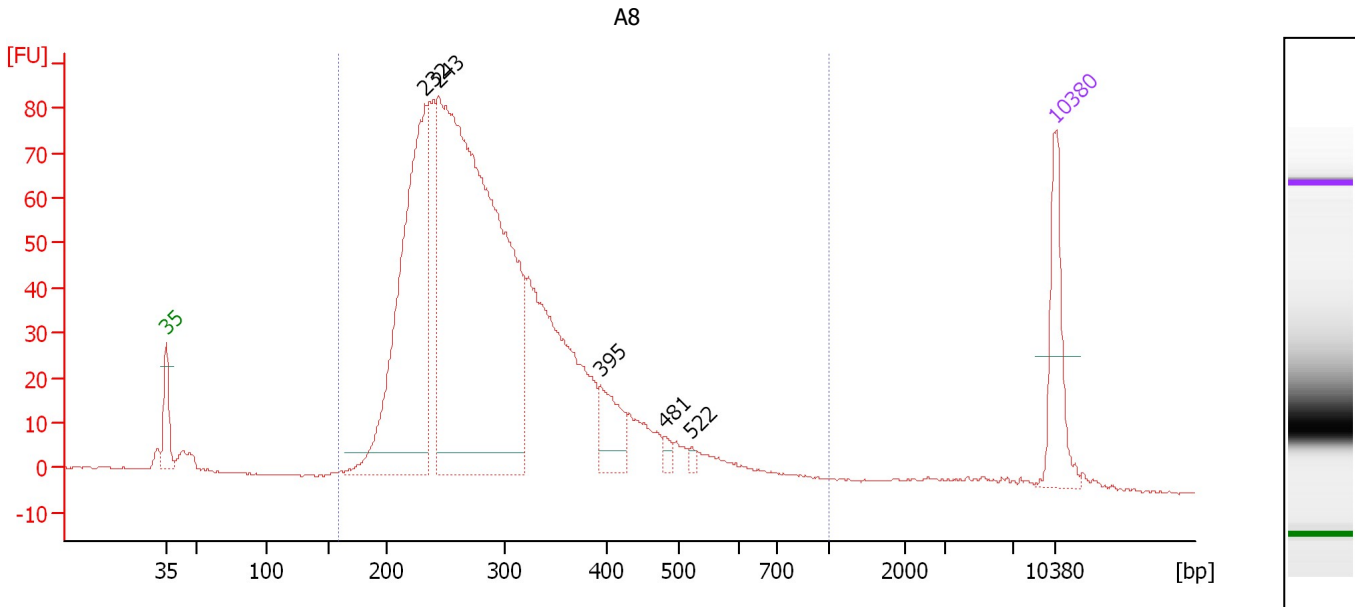
Region table for sample 9 : A7

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 165 | 302 | 1,000 | 1,330.3 | 13,148.5 | 96 | 28.5 | 2,431.72 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-28\2015-09-28_002.xad

Created: 9/28/2015 12:32:56 PM
 Modified: 9/28/2015 1:19:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : A8

Number of peaks found: 5 Corr. Area 1: 1,574.0
 Noise: 0.2

Peak table for sample 10 : A8

| 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 | 232 | 571.14 | 3,732.8 | | 63.37 |
| 3 | 243 | 1,221.81 | 7,613.6 | | 64.42 |
| 4 | 395 | 66.06 | 253.5 | | 77.25 |
| 5 | 481 | 10.30 | 32.4 | | 82.29 |
| 6 | 522 | 6.03 | 17.5 | | 84.39 |
| 7 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

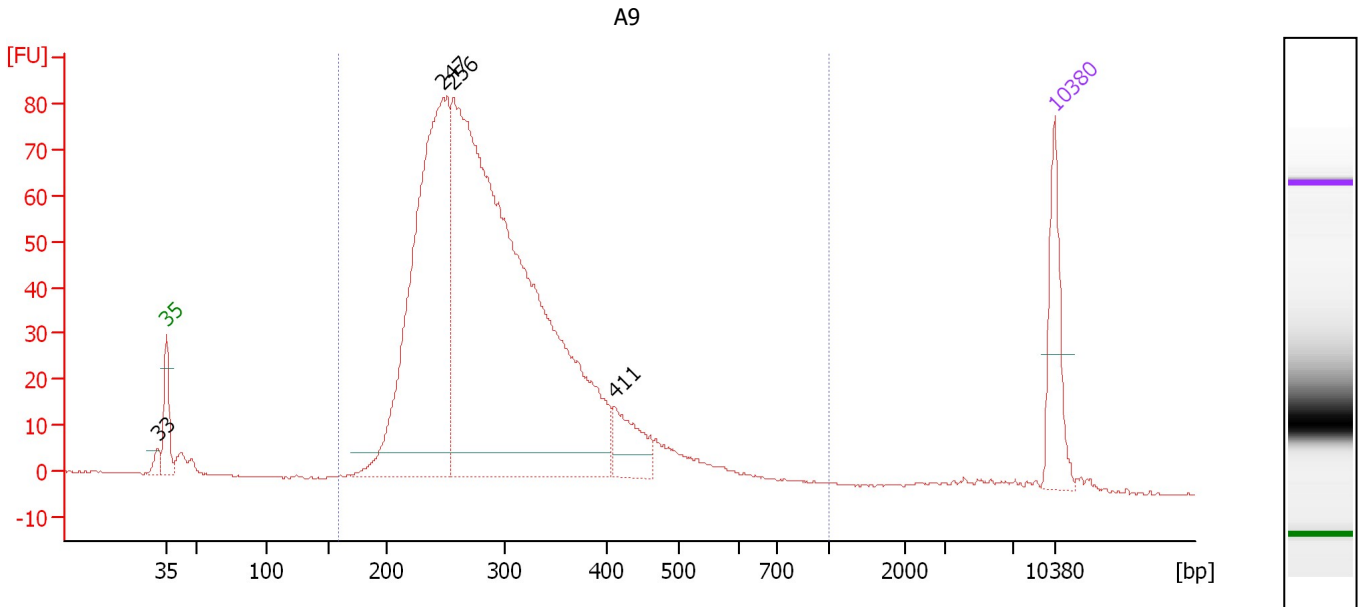
Region table for sample 10 : A8

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 159 | 305 | 1,000 | 1,574.0 | 13,490.8 | 95 | 32.3 | 2,472.67 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-28\2015-09-28_002.xad

Created: 9/28/2015 12:32:56 PM
 Modified: 9/28/2015 1:19:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : A9

Number of peaks found: 4 Corr. Area 1: 1,422.0
 Noise: 0.2

Peak table for sample 11 : A9

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 33 | 0.00 | 0.0 | | 42.29 |
| 2 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 3 | 247 | 772.68 | 4,733.7 | | 64.81 |
| 4 | 256 | 1,542.90 | 9,131.2 | | 65.61 |
| 5 | 411 | 71.33 | 262.9 | | 78.30 |
| 6 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Region table for sample 11 : A9

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 160 | 305 | 1,000 | 1,422.0 | 12,775.6 | 96 | 28.8 | 2,376.93 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-28\2015-09-28_002.xad

Created: 9/28/2015 12:32:56 PM
Modified: 9/28/2015 1:19:09 PM

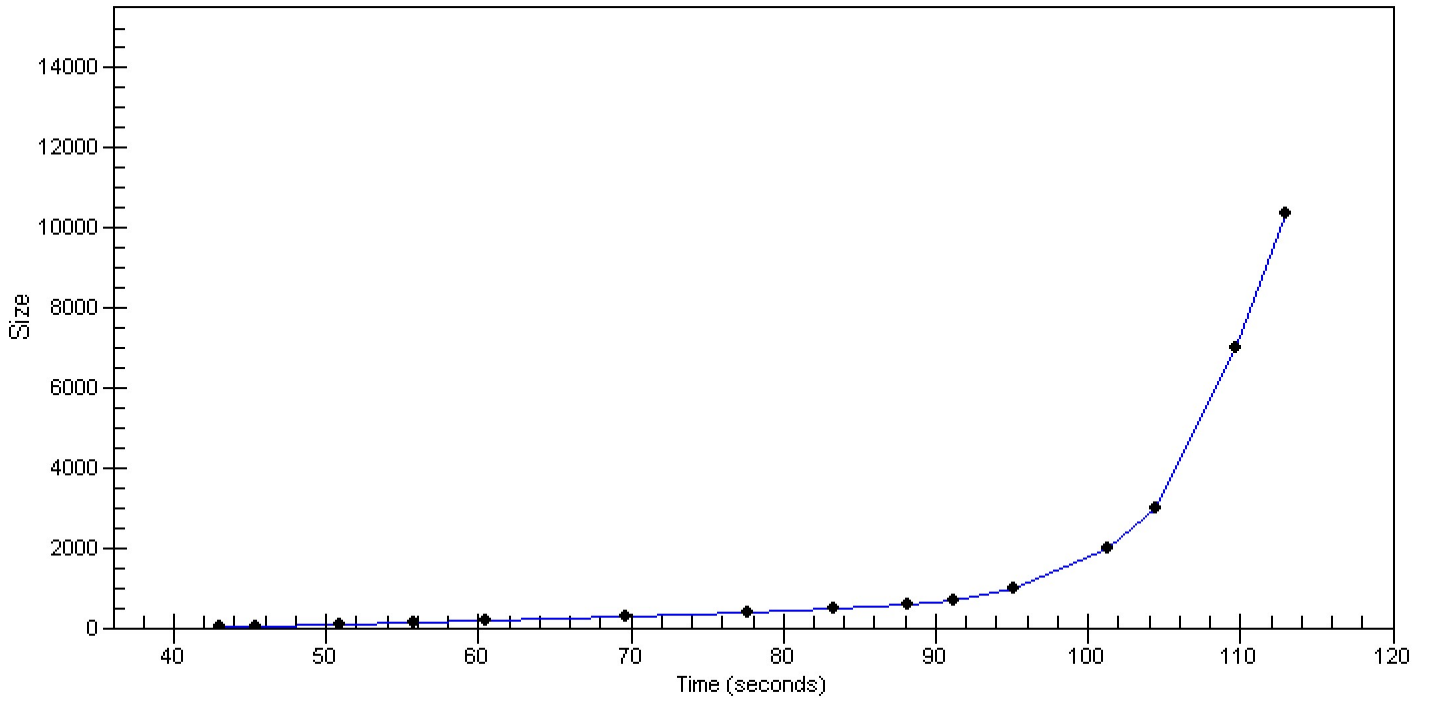
Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-28\2015-09-28_002.xad

Created: 9/28/2015 12:32:56 PM
Modified: 9/28/2015 1:19:09 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-28\2015-09-28_002.xad

Created: 9/28/2015 12:32:56 PM
 Modified: 9/28/2015 1:19:09 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 | | 9/28/2015 1:14:15 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-09-28\2015-09-28_002.xad) | | Instrument | Run | | 9/28/2015 12:33:01 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 9/28/2015 12:33:01 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 9/28/2015 12:33:01 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 9/28/2015 12:33:01 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 9/28/2015 12:33:01 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 9/28/2015 12:33:01 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 9/28/2015 12:33:01 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |