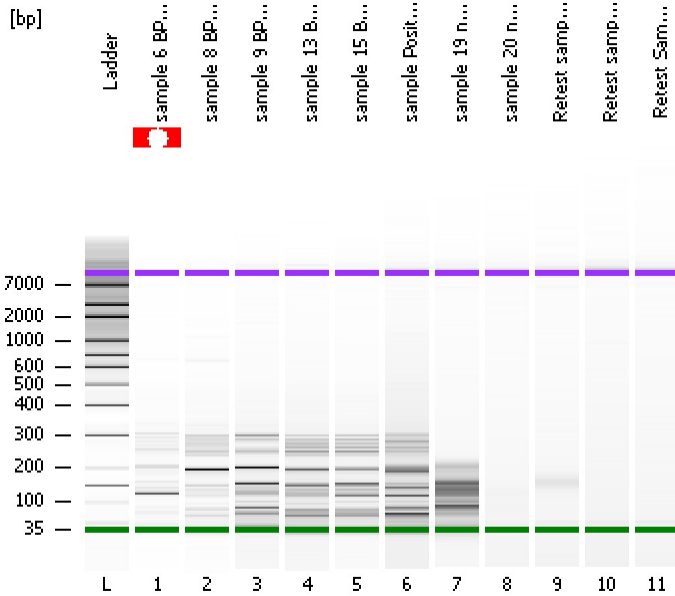


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-01\2014-10-01_003.xad

Created: 10/1/2014 12:34:44 PM
Modified: 10/1/2014 1:15:16 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

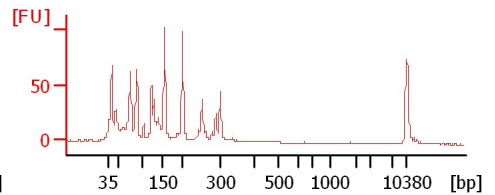
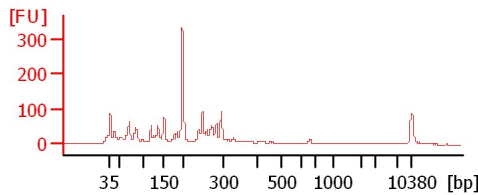
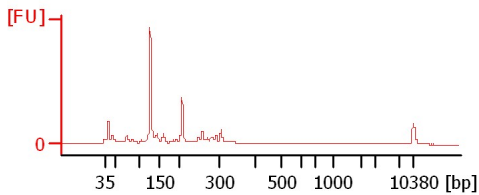
Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

sample 6 BP 1:10

sample 8 BP 1:10

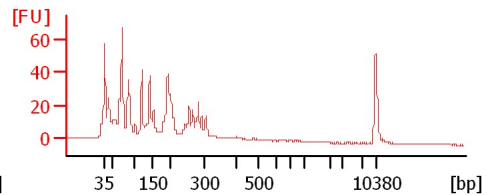
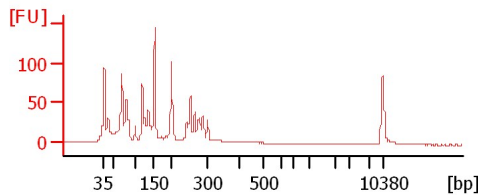
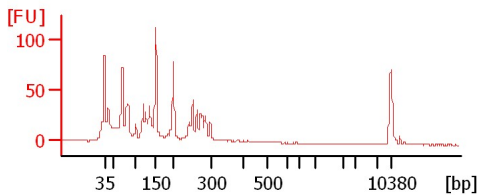
sample 9 BP 1:10



sample 13 BP 1:10

sample 15 BP 1:10

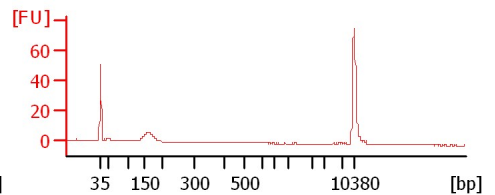
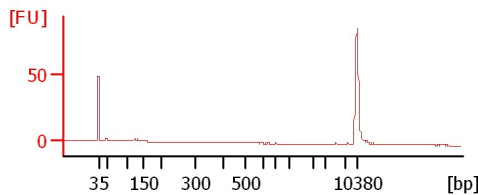
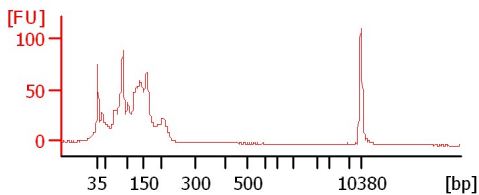
sample Positive-2



sample 19 non-dilution

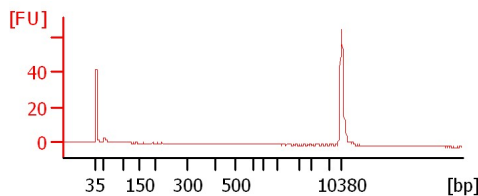
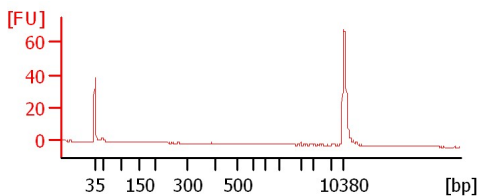
sample 20 non-dilution

Retest sample P-2 1:10



Retest sample HIEC-2













Retest Sample HIEC-4



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-01\2014-10-01_003.xad

Created: 10/1/2014 12:34:44 PM
Modified: 10/1/2014 1:15:16 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|------------------------|----------------|--------------------------|---|-------------|--------------|--------------|
| sample 6 BP 1:10 | | <input type="checkbox"/> |  | | | |
| sample 8 BP 1:10 | | <input type="checkbox"/> |  | | | |
| sample 9 BP 1:10 | | <input type="checkbox"/> |  | | | |
| sample 13 BP 1:10 | | <input type="checkbox"/> |  | | | |
| sample 15 BP 1:10 | | <input type="checkbox"/> |  | | | |
| sample Positive-2 | | <input type="checkbox"/> |  | | | |
| sample 19 non-dilution | | <input type="checkbox"/> |  | | | |
| sample 20 non-dilution | | <input type="checkbox"/> |  | | | |
| Retest sample P-2 1:10 | | <input type="checkbox"/> |  | | | |
| Retest sample HIEC-2 | | <input type="checkbox"/> |  | | | |
| Retest Sample HIEC-4 | | <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\2014-10-01\2014-10-01_003.xad

Created: 10/1/2014 12:34:44 PM
 Modified: 10/1/2014 1:15:16 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

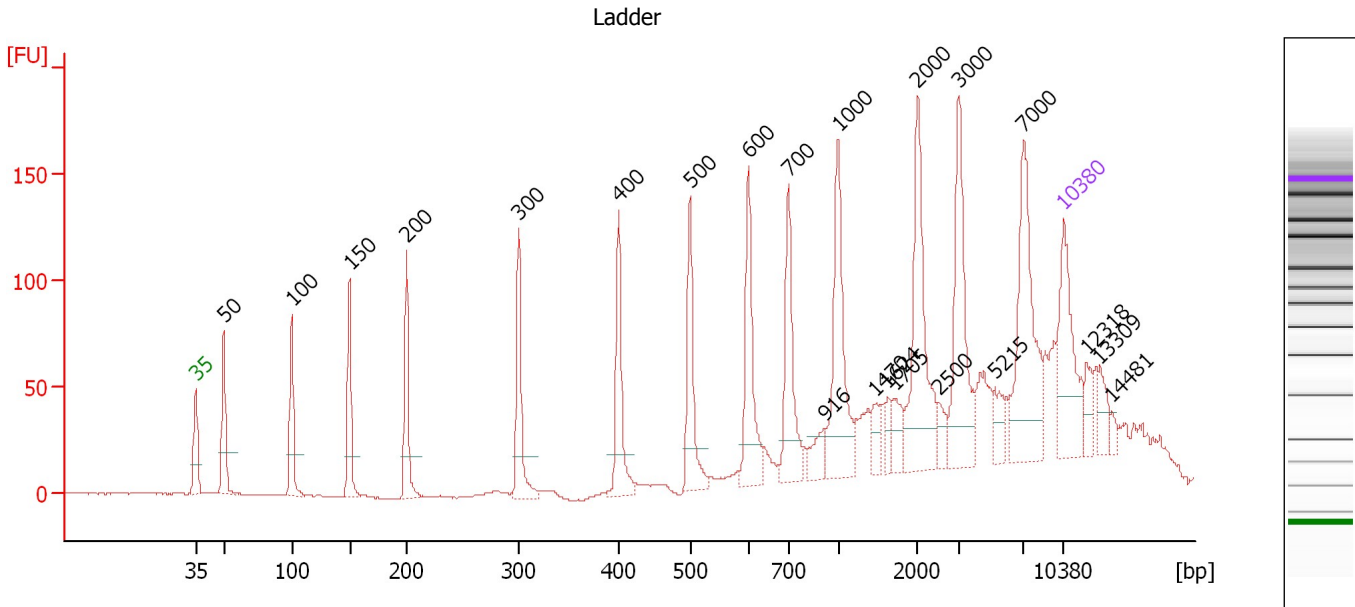
Ladder

| 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\2014-10-01\2014-10-01_003.xad

Created: 10/1/2014 12:34:44 PM
 Modified: 10/1/2014 1:15:16 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

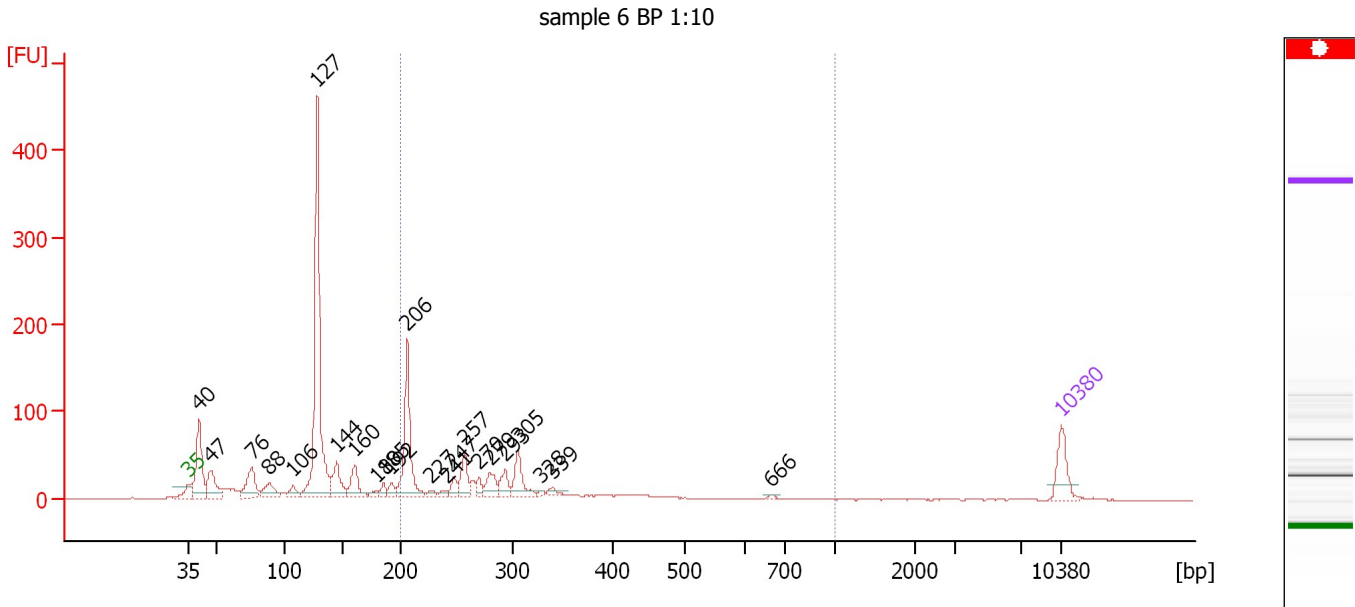
Peak table for Ladder

| 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 | 916 | 0.00 | 0.0 | |
| 12 | 1,000 | 150.00 | 227.3 | Ladder Peak |
| 13 | 1,470 | 0.00 | 0.0 | |
| 14 | 1,624 | 0.00 | 0.0 | |
| 15 | 1,705 | 0.00 | 0.0 | |
| 16 | 2,000 | 150.00 | 113.6 | Ladder Peak |
| 17 | 2,500 | 0.00 | 0.0 | |
| 18 | 3,000 | 150.00 | 75.8 | Ladder Peak |
| 19 | 5,215 | 0.00 | 0.0 | |
| 20 | 7,000 | 150.00 | 32.5 | Ladder Peak |
| 21 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 22 | 12,318 | 0.00 | 0.0 | |
| 23 | 13,309 | 0.00 | 0.0 | |
| 24 | 14,481 | 0.00 | 0.0 | |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-01\2014-10-01_003.xad

Created: 10/1/2014 12:34:44 PM
 Modified: 10/1/2014 1:15:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : sample 6 BP 1:10

Number of peaks found: 23 Corr. Area 1: 600.7
 Noise: 0.3

Peak table for sample 1 : sample 6 BP 1:10


| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 40 | 295.43 | 11,065.1 | |
| 3 | 47 | 148.61 | 4,814.3 | |
| 4 | 76 | 146.02 | 2,920.4 | |
| 5 | 88 | 86.45 | 1,483.6 | |
| 6 | 106 | 46.20 | 657.6 | |
| 7 | 127 | 971.59 | 11,551.1 | |
| 8 | 144 | 120.36 | 1,263.5 | |
| 9 | 160 | 104.65 | 993.6 | |
| 10 | 180 | 17.33 | 146.2 | |
| 11 | 185 | 26.76 | 219.0 | |
| 12 | 192 | 30.58 | 241.8 | |
| 13 | 206 | 340.11 | 2,505.0 | |
| 14 | 227 | 15.52 | 103.6 | |
| 15 | 241 | 16.11 | 101.4 | |
| 16 | 247 | 35.74 | 219.3 | |
| 17 | 257 | 87.06 | 513.5 | |
| 18 | 270 | 28.36 | 159.3 | |
| 19 | 279 | 64.35 | 349.3 | |
| 20 | 293 | 56.75 | 293.6 | |
| 21 | 305 | 99.26 | 493.4 | |
| 22 | 328 | 7.82 | 36.2 | |
| 23 | 339 | 19.70 | 88.1 | |
| 24 | 666 | 6.49 | 14.8 | |
| 25 | 10,380 | 75.00 | 10.9 | Upper Marker |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-01\2014-10-01_003.xad

Created: 10/1/2014 12:34:44 PM
Modified: 10/1/2014 1:15:16 PM

Electropherogram Summary Continued ...

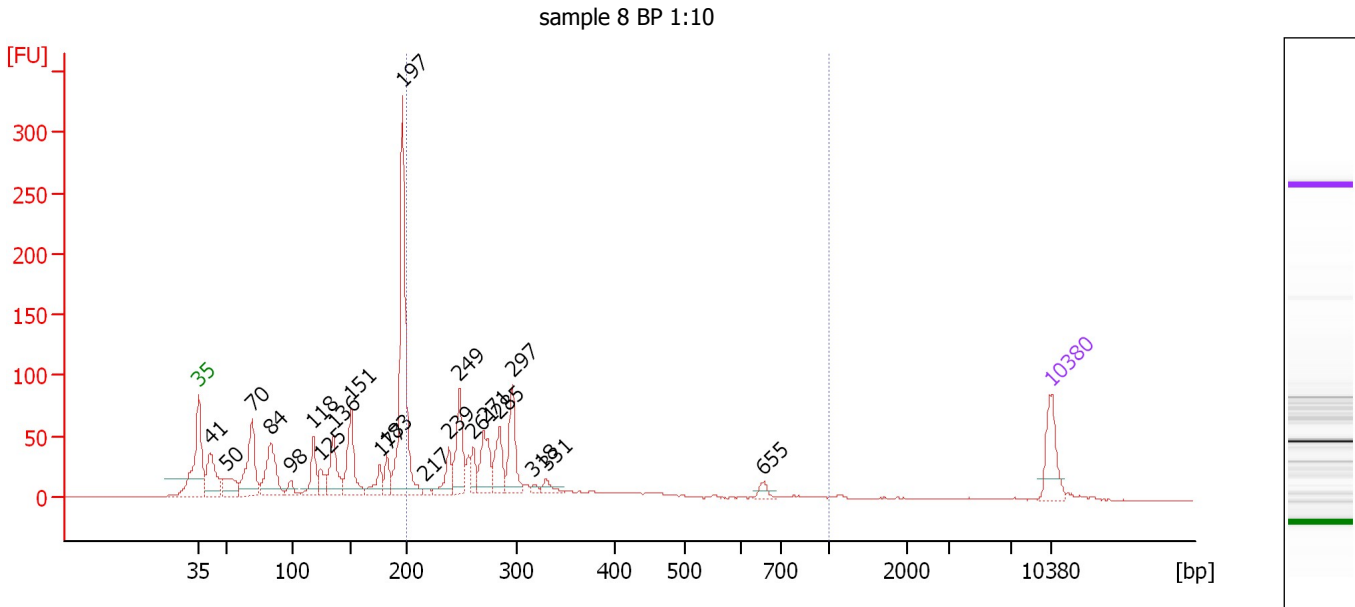
... Region table for sample 1 : sample 6 BP 1:10

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/ μ l] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------------|-------------------|---|
| 200 | 296 | 1,000 | 600.7 | 36 | 37.1 | 1,037.04 | 5,898.6 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-01\2014-10-01_003.xad

Created: 10/1/2014 12:34:44 PM
 Modified: 10/1/2014 1:15:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : sample 8 BP 1:10

Number of peaks found: 22 Corr. Area 1: 691.0
 Noise: 0.3

Peak table for sample 2 : sample 8 BP 1:10


| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 41 | 161.02 | 5,884.8 | |
| 3 | 50 | 89.24 | 2,705.9 | |
| 4 | 70 | 216.80 | 4,720.5 | |
| 5 | 84 | 187.13 | 3,391.2 | |
| 6 | 98 | 30.91 | 475.8 | |
| 7 | 118 | 99.34 | 1,272.9 | |
| 8 | 125 | 45.94 | 557.8 | |
| 9 | 136 | 130.35 | 1,452.4 | |
| 10 | 151 | 168.52 | 1,686.4 | |
| 11 | 177 | 53.42 | 457.1 | |
| 12 | 183 | 46.58 | 385.1 | |
| 13 | 197 | 553.98 | 4,259.7 | |
| 14 | 217 | 11.23 | 78.5 | |
| 15 | 239 | 64.02 | 405.6 | |
| 16 | 249 | 141.46 | 861.4 | |
| 17 | 261 | 47.44 | 274.9 | |
| 18 | 271 | 114.07 | 637.4 | |
| 19 | 285 | 93.31 | 495.8 | |
| 20 | 297 | 133.88 | 683.4 | |
| 21 | 318 | 9.46 | 45.0 | |
| 22 | 331 | 22.15 | 101.3 | |
| 23 | 655 | 16.37 | 37.9 | |
| 24 | 10,380 | 75.00 | 10.9 | Upper Marker |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-01\2014-10-01_003.xad

Created: 10/1/2014 12:34:44 PM
Modified: 10/1/2014 1:15:16 PM

Electropherogram Summary Continued ...

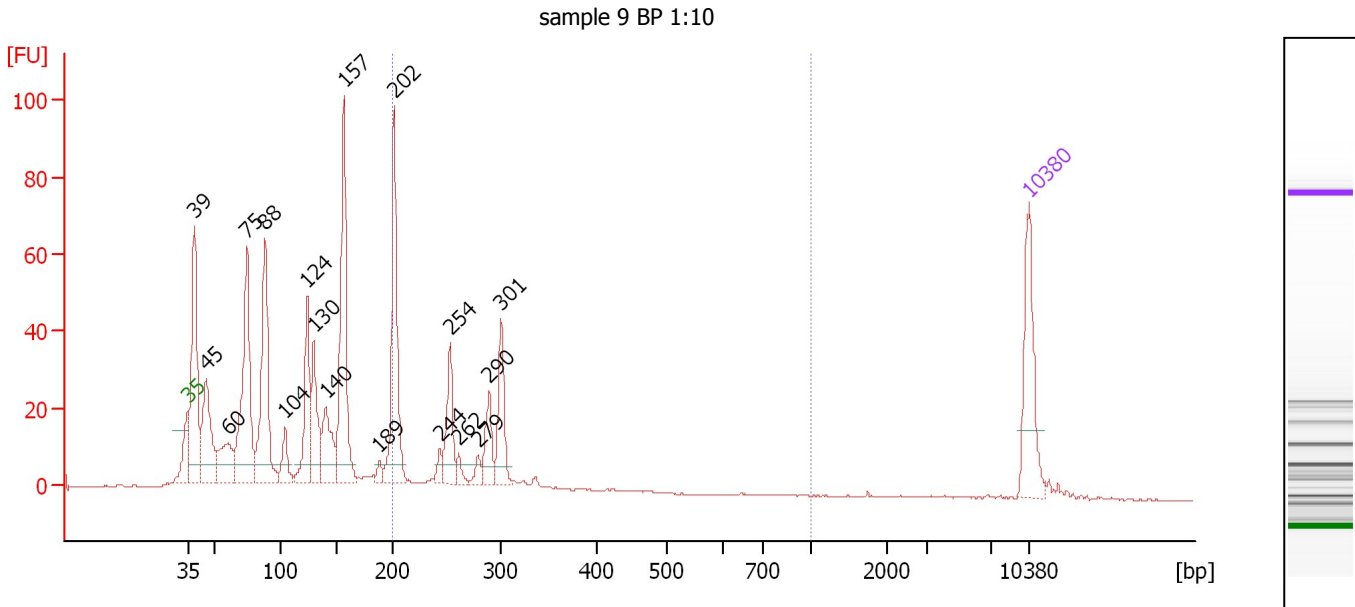
... Region table for sample 2 : sample 8 BP 1:10

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/ μ l] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------------|-------------------|---|
| 200 | 314 | 1,000 | 691.0 | 41 | 40.0 | 1,081.59 | 5,857.0 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-01\2014-10-01_003.xad

Created: 10/1/2014 12:34:44 PM
 Modified: 10/1/2014 1:15:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : sample 9 BP 1:10

Number of peaks found: 18 Corr. Area 1: 256.1
 Noise: 0.2

Peak table for sample 3 : sample 9 BP 1:10

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 39 | 237.39 | 9,254.5 | |
| 3 | 45 | 135.12 | 4,508.4 | |
| 4 | 60 | 72.85 | 1,840.6 | |
| 5 | 75 | 247.48 | 5,000.2 | |
| 6 | 88 | 222.76 | 3,818.7 | |
| 7 | 104 | 39.36 | 571.0 | |
| 8 | 124 | 110.96 | 1,357.6 | |
| 9 | 130 | 97.71 | 1,138.9 | |
| 10 | 140 | 78.79 | 850.4 | |
| 11 | 157 | 239.41 | 2,309.4 | |
| 12 | 189 | 10.47 | 84.0 | |
| 13 | 202 | 186.80 | 1,398.4 | |
| 14 | 244 | 13.24 | 82.2 | |
| 15 | 254 | 68.89 | 411.0 | |
| 16 | 262 | 12.10 | 70.0 | |
| 17 | 279 | 12.41 | 67.3 | |
| 18 | 290 | 43.74 | 228.7 | |
| 19 | 301 | 70.34 | 354.5 | |
| 20 | 10,380 | 75.00 | 10.9 | Upper Marker |

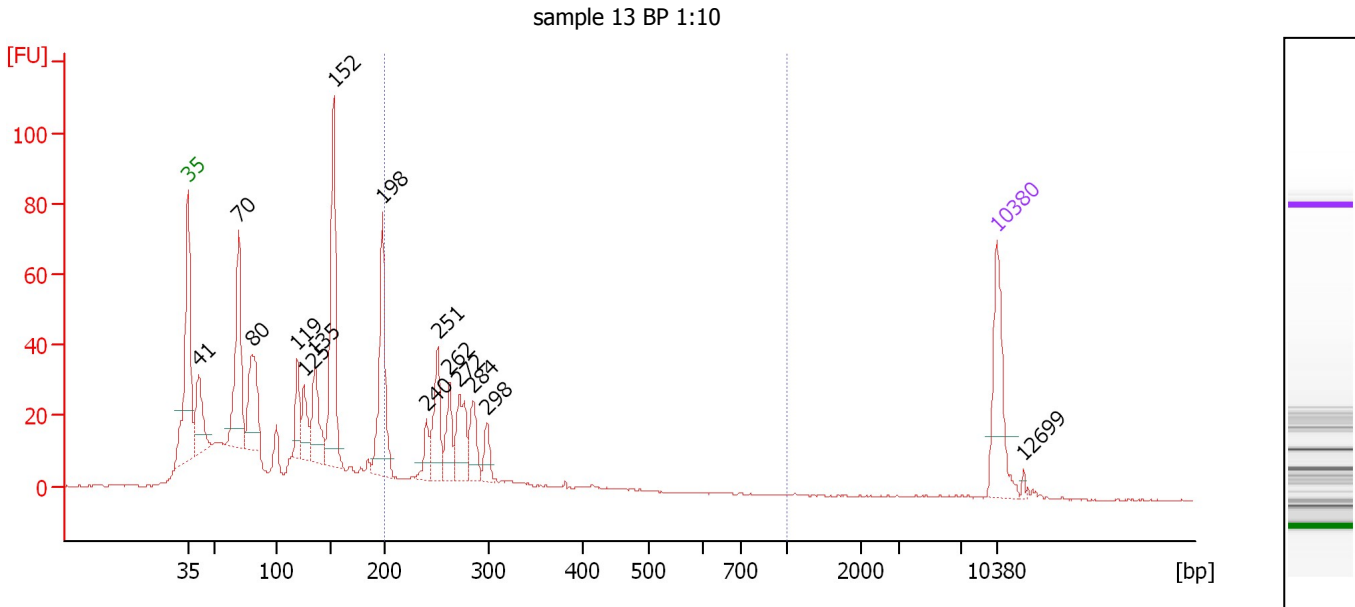
Region table for sample 3 : sample 9 BP 1:10

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 200 | 267 | 1,000 | 256.1 | 26 | 26.2 | 492.70 | 2,920.8 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-01\2014-10-01_003.xad

Created: 10/1/2014 12:34:44 PM
 Modified: 10/1/2014 1:15:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : sample 13 BP 1:10

Number of peaks found: 15 Corr. Area 1: 258.7
 Noise: 0.1

Peak table for sample 4 : sample 13 BP 1:10

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 41 | 98.26 | 3,615.0 | |
| 3 | 70 | 196.53 | 4,277.3 | |
| 4 | 80 | 127.64 | 2,412.4 | |
| 5 | 119 | 55.08 | 703.2 | |
| 6 | 125 | 55.22 | 671.6 | |
| 7 | 135 | 89.03 | 1,000.0 | |
| 8 | 152 | 231.99 | 2,310.2 | |
| 9 | 198 | 161.33 | 1,236.2 | |
| 10 | 240 | 30.99 | 195.6 | |
| 11 | 251 | 77.85 | 470.4 | |
| 12 | 262 | 50.40 | 291.5 | |
| 13 | 272 | 72.42 | 403.9 | |
| 14 | 284 | 47.09 | 250.8 | |
| 15 | 298 | 27.03 | 137.3 | |
| 16 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 17 | 12,699 | 0.00 | 0.0 | |

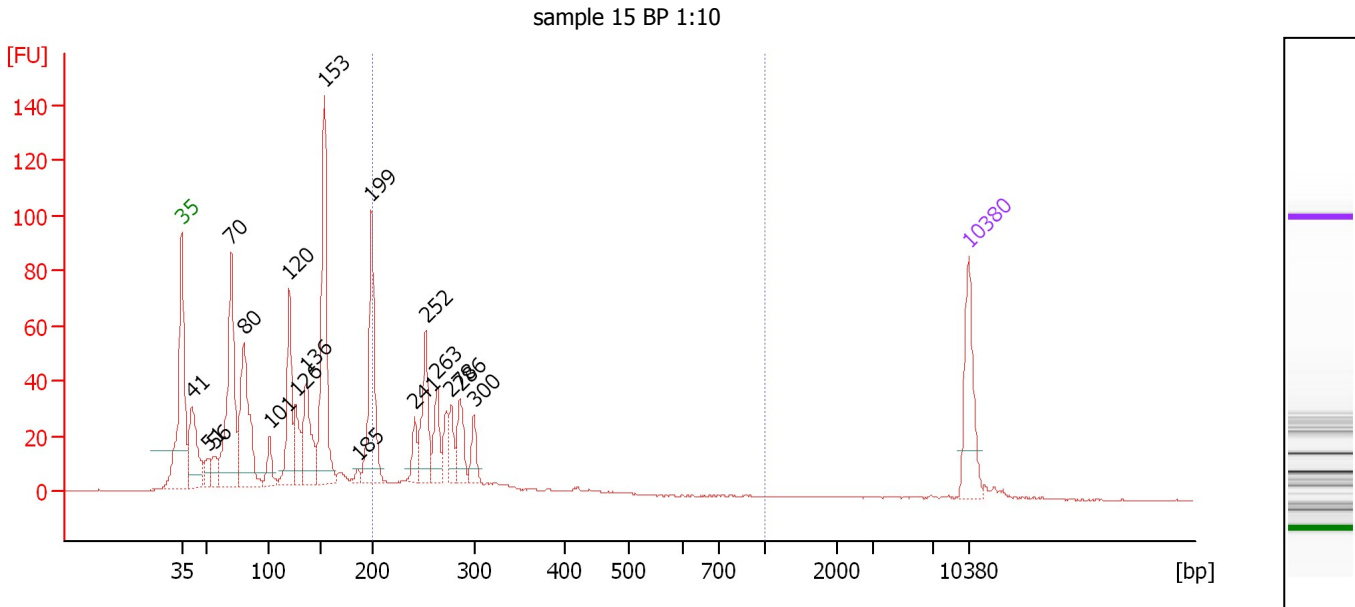
Region table for sample 4 : sample 13 BP 1:10

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 200 | 283 | 1,000 | 258.7 | 26 | 27.5 | 501.37 | 2,821.7 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-01\2014-10-01_003.xad

Created: 10/1/2014 12:34:44 PM
 Modified: 10/1/2014 1:15:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : sample 15 BP 1:10

Number of peaks found: 18 Corr. Area 1: 359.7
 Noise: 0.2

Peak table for sample 5 : sample 15 BP 1:10

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 41 | 139.80 | 5,121.4 | |
| 3 | 51 | 30.51 | 910.2 | |
| 4 | 56 | 34.87 | 936.2 | |
| 5 | 70 | 297.95 | 6,459.5 | |
| 6 | 80 | 226.47 | 4,272.9 | |
| 7 | 101 | 38.33 | 573.2 | |
| 8 | 120 | 144.59 | 1,825.2 | |
| 9 | 126 | 68.98 | 828.8 | |
| 10 | 136 | 121.63 | 1,353.0 | |
| 11 | 153 | 290.50 | 2,868.1 | |
| 12 | 185 | 8.18 | 66.8 | |
| 13 | 199 | 185.16 | 1,411.2 | |
| 14 | 241 | 32.16 | 201.9 | |
| 15 | 252 | 98.96 | 594.2 | |
| 16 | 263 | 54.07 | 311.1 | |
| 17 | 278 | 36.09 | 197.1 | |
| 18 | 286 | 52.95 | 280.6 | |
| 19 | 300 | 33.61 | 170.0 | |
| 20 | 10,380 | 75.00 | 10.9 | Upper Marker |

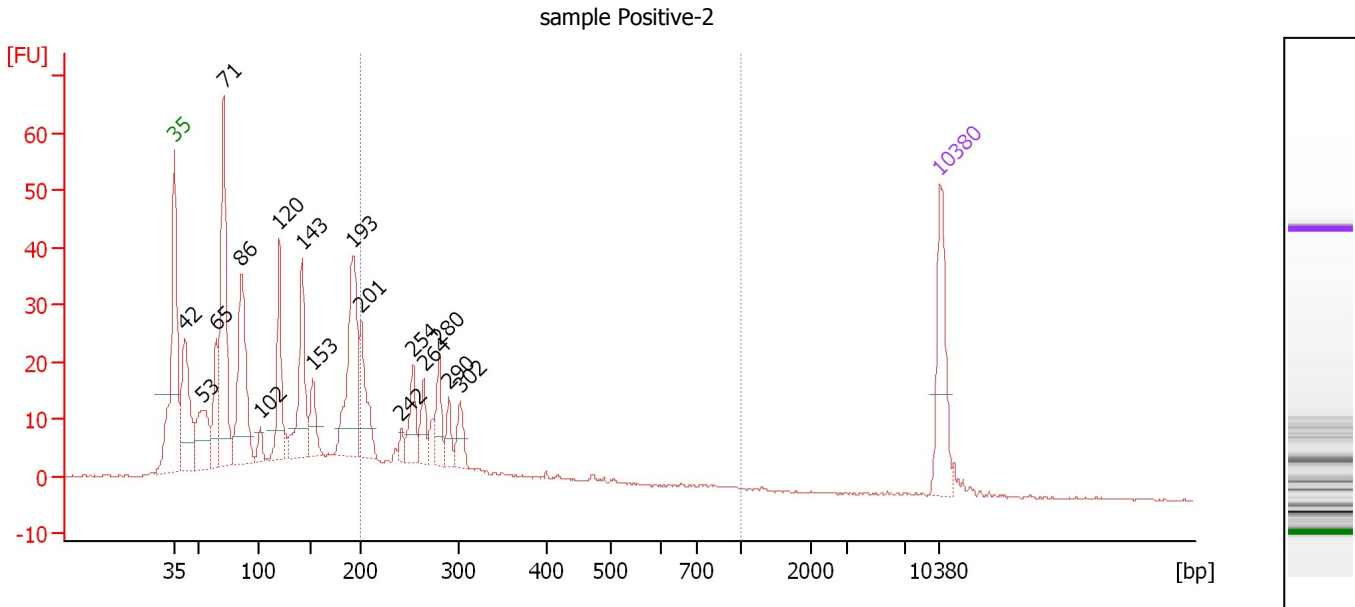
Region table for sample 5 : sample 15 BP 1:10

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 200 | 280 | 1,000 | 359.7 | 30 | 29.2 | 616.61 | 3,517.4 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-01\2014-10-01_003.xad

Created: 10/1/2014 12:34:44 PM
 Modified: 10/1/2014 1:15:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : sample Positive-2

Number of peaks found: 17 Corr. Area 1: 210.4
 Noise: 0.2

Peak table for sample 6 : sample Positive-2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 42 | 165.10 | 6,022.4 | |
| 3 | 53 | 105.59 | 3,034.5 | |
| 4 | 65 | 81.57 | 1,908.3 | |
| 5 | 71 | 278.43 | 5,940.8 | |
| 6 | 86 | 204.68 | 3,617.4 | |
| 7 | 102 | 19.53 | 291.3 | |
| 8 | 120 | 111.75 | 1,407.7 | |
| 9 | 143 | 138.09 | 1,466.9 | |
| 10 | 153 | 50.98 | 504.6 | |
| 11 | 193 | 187.06 | 1,466.1 | |
| 12 | 201 | 85.20 | 641.3 | |
| 13 | 242 | 12.67 | 79.4 | |
| 14 | 254 | 48.35 | 288.9 | |
| 15 | 264 | 34.05 | 195.1 | |
| 16 | 280 | 43.44 | 235.0 | |
| 17 | 290 | 24.63 | 128.8 | |
| 18 | 302 | 30.67 | 154.0 | |
| 19 | 10,380 | 75.00 | 10.9 | Upper Marker |

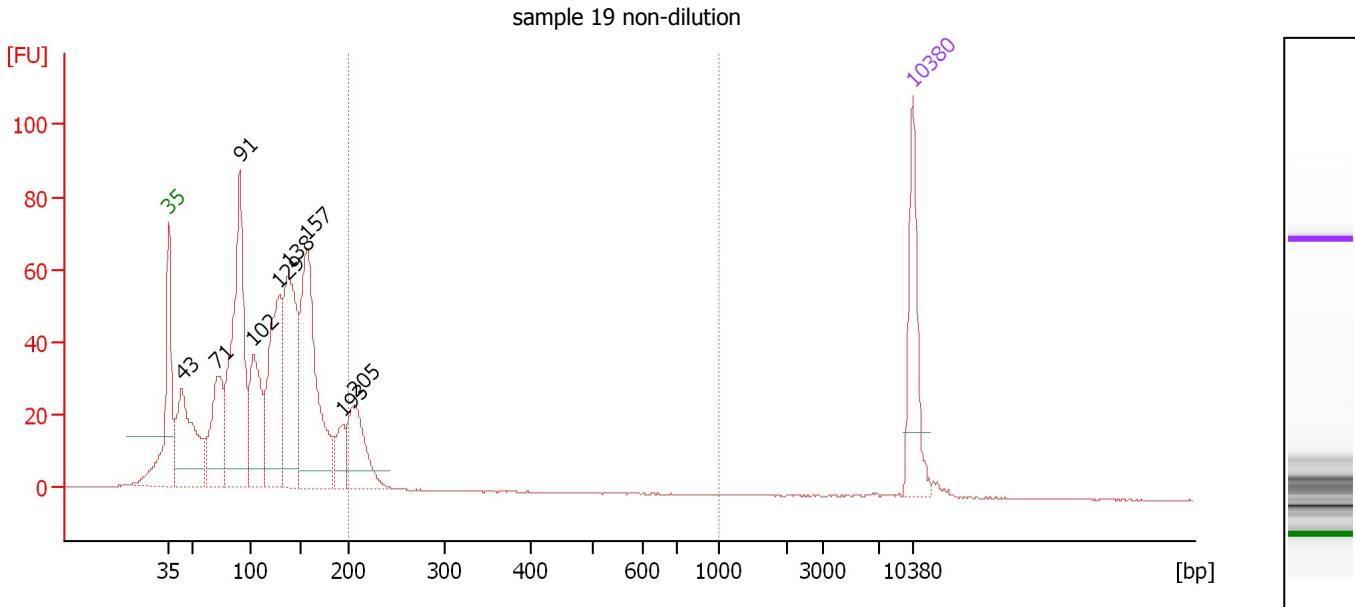
Region table for sample 6 : sample Positive-2

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 200 | 305 | 1,000 | 210.4 | 28 | 39.7 | 549.73 | 3,049.1 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-01\2014-10-01_003.xad

Created: 10/1/2014 12:34:44 PM
 Modified: 10/1/2014 1:15:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : sample 19 non-dilution

Number of peaks found: 9 Corr. Area 1: 70.8
 Noise: 0.1

Peak table for sample 7 : sample 19 non-dilution

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 43 | 202.41 | 7,119.9 | |
| 3 | 71 | 144.94 | 3,079.5 | |
| 4 | 91 | 369.49 | 6,179.2 | |
| 5 | 102 | 149.83 | 2,216.5 | |
| 6 | 129 | 232.29 | 2,736.1 | |
| 7 | 138 | 249.32 | 2,742.8 | |
| 8 | 157 | 323.88 | 3,134.1 | |
| 9 | 193 | 44.03 | 345.5 | |
| 10 | 205 | 107.84 | 796.3 | |
| 11 | 10,380 | 75.00 | 10.9 | Upper Marker |

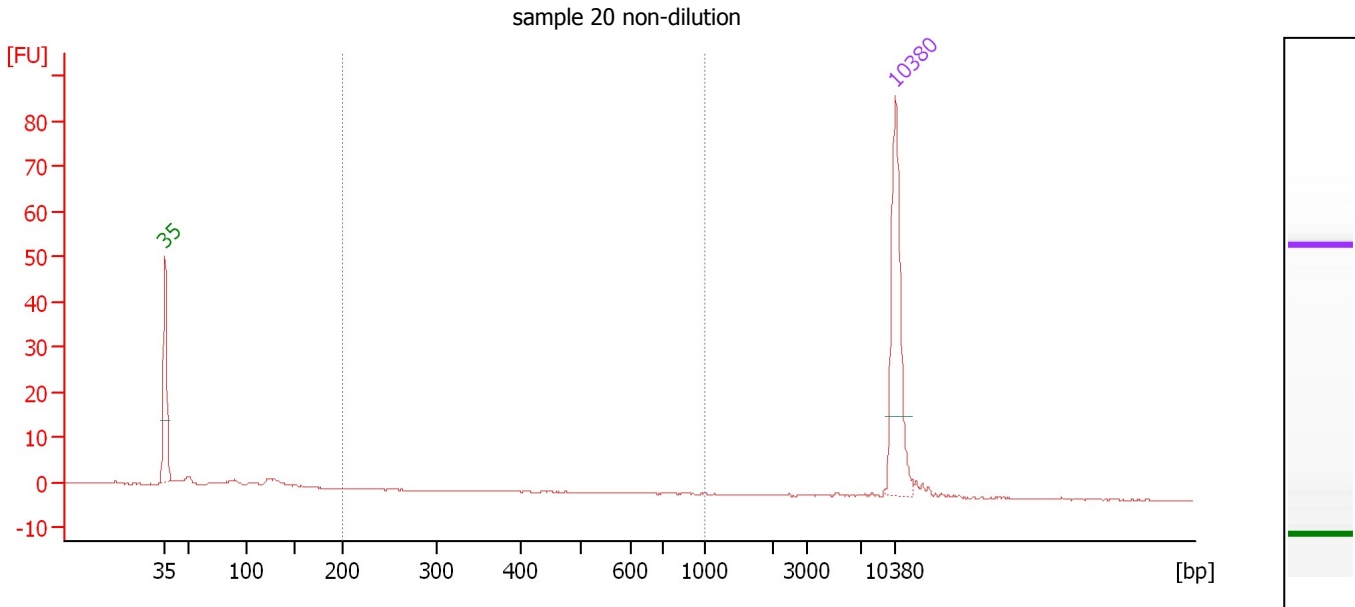
Region table for sample 7 : sample 19 non-dilution

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 200 | 214 | 1,000 | 70.8 | 6 | 10.7 | 98.75 | 701.9 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-01\2014-10-01_003.xad

Created: 10/1/2014 12:34:44 PM
 Modified: 10/1/2014 1:15:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : sample 20 non-dilution

Number of peaks found: 0 Corr. Area 1: 0.0
 Noise: 0.1

Peak table for sample 8 : sample 20 non-dilution

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

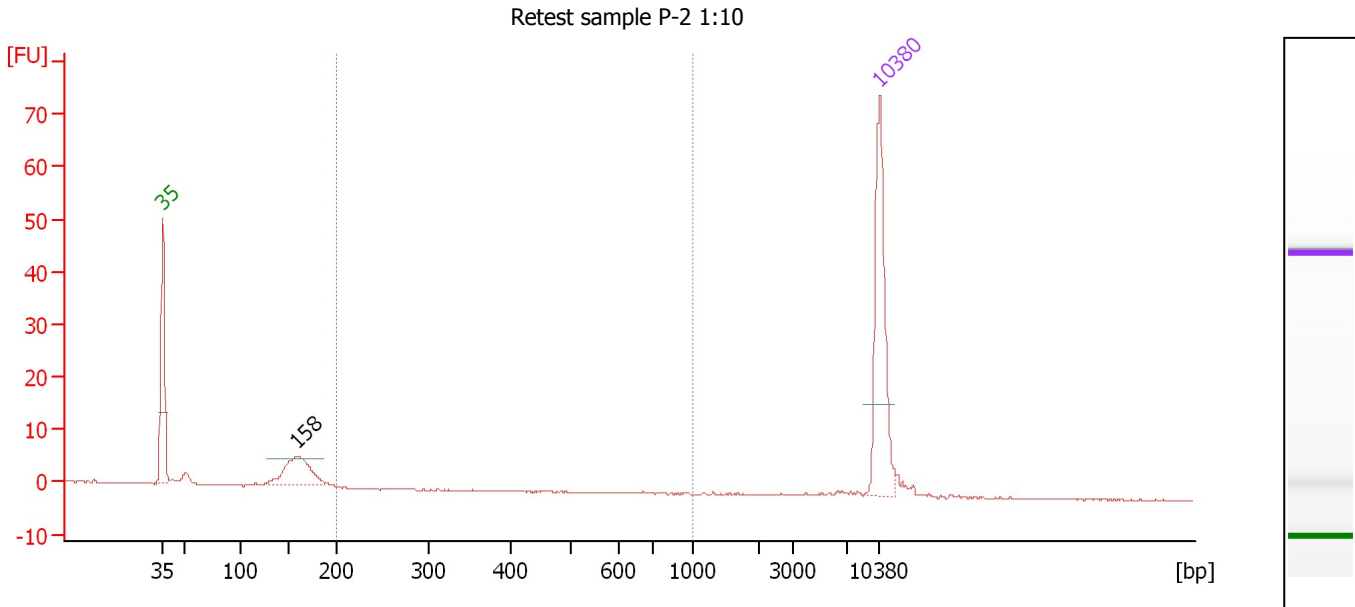
Region table for sample 8 : sample 20 non-dilution

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 200 | 0 | 1,000 | 0.0 | 0 | 0.0 | 0.00 | 0.0 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-01\2014-10-01_003.xad

Created: 10/1/2014 12:34:44 PM
 Modified: 10/1/2014 1:15:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Retest sample P-2 1:10

Number of peaks found: 1 Corr. Area 1: 0.0
 Noise: 0.1

Peak table for sample 9 : Retest sample P-2 1:10

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 158 | 55.81 | 535.6 | |
| 3 | 10,380 | 75.00 | 10.9 | Upper Marker |

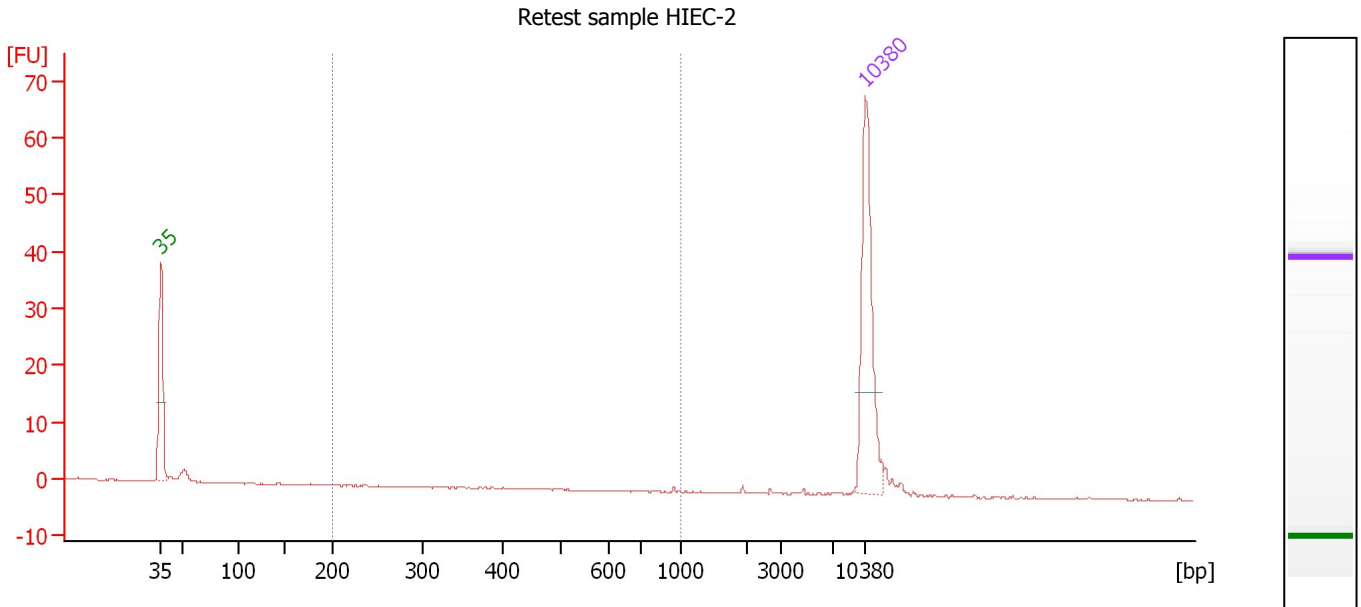
Region table for sample 9 : Retest sample P-2 1:10

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 200 | 672 | 1,000 | 0.0 | 0 | 0.0 | 0.00 | 0.0 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-01\2014-10-01_003.xad

Created: 10/1/2014 12:34:44 PM
 Modified: 10/1/2014 1:15:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Retest sample HIEC-2

Number of peaks found: 0 Corr. Area 1: 0.1
 Noise: 0.1

Peak table for sample 10 : Retest sample HIEC-2

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

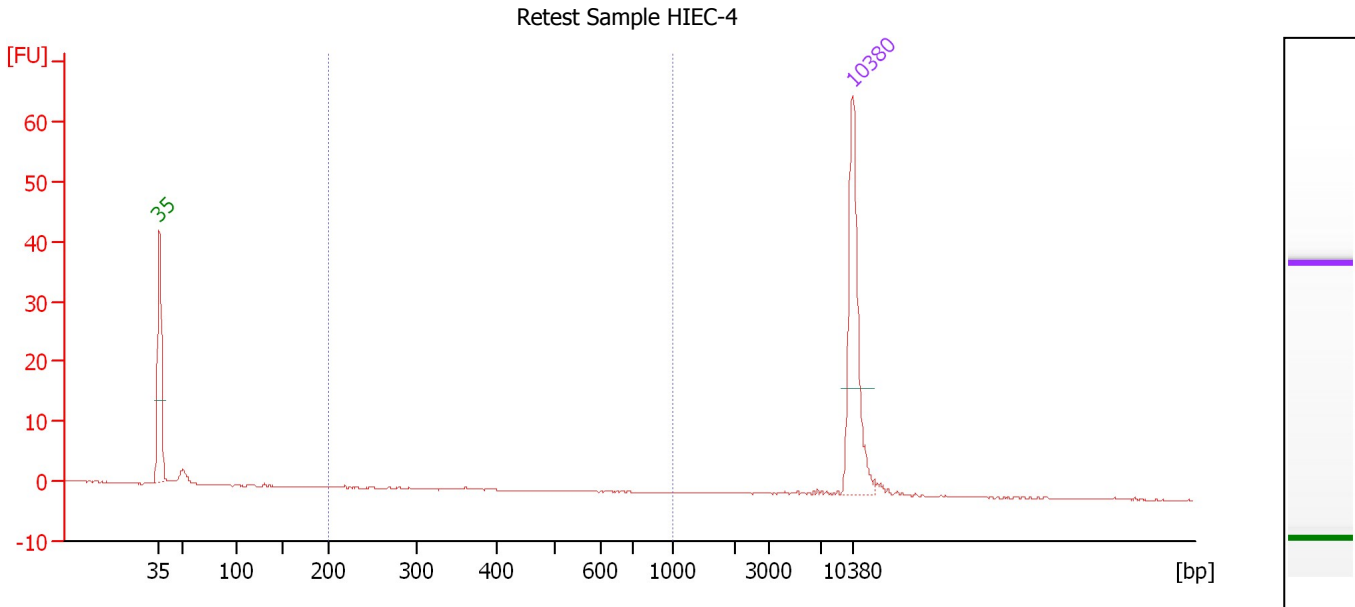
Region table for sample 10 : Retest sample HIEC-2

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 200 | 840 | 1,000 | 0.1 | 1 | 25.6 | 0.19 | 0.4 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-01\2014-10-01_003.xad

Created: 10/1/2014 12:34:44 PM
 Modified: 10/1/2014 1:15:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Retest Sample HIEC-4

Number of peaks found: 0 Corr. Area 1: 0.1
 Noise: 0.1

Peak table for sample 11 : Retest Sample HIEC-4

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

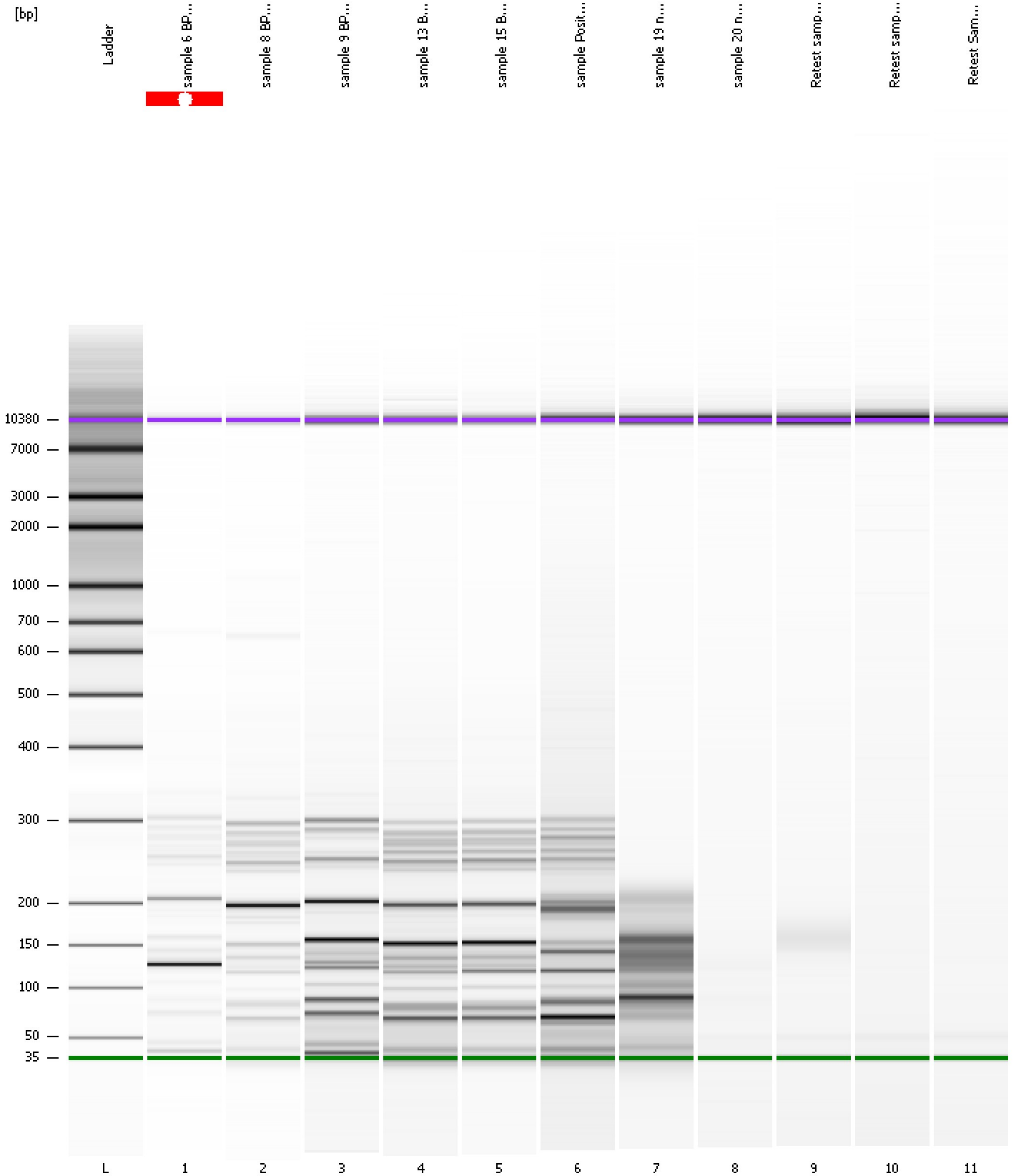
Region table for sample 11 : Retest Sample HIEC-4

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 200 | 324 | 1,000 | 0.1 | 1 | 18.5 | 0.15 | 0.8 | Blue |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-01\2014-10-01_003.xad

Created: 10/1/2014 12:34:44 PM
Modified: 10/1/2014 1:15:16 PM

Gel Image

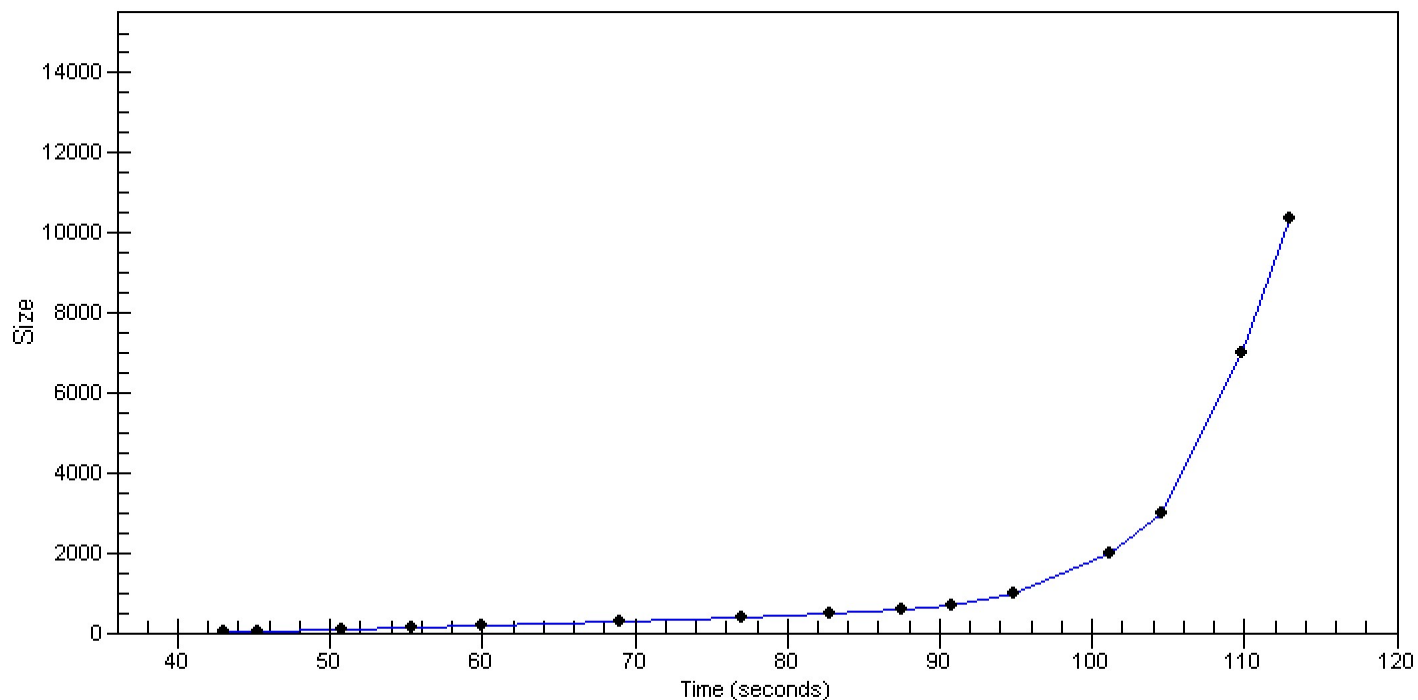


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-01\2014-10-01_003.xad

Created: 10/1/2014 12:34:44 PM
Modified: 10/1/2014 1:15:16 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-10-01\2014-10-01_003.xad

Created: 10/1/2014 12:34:44 PM
 Modified: 10/1/2014 1:15:16 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 | | 10/1/2014 1:15:12 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-10-01\2014-10-01_003.xad) | | Instrument | Run | | 10/1/2014 12:34:50 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 10/1/2014 12:34:50 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 10/1/2014 12:34:50 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 10/1/2014 12:34:50 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 10/1/2014 12:34:50 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 10/1/2014 12:34:50 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 10/1/2014 12:34:50 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |