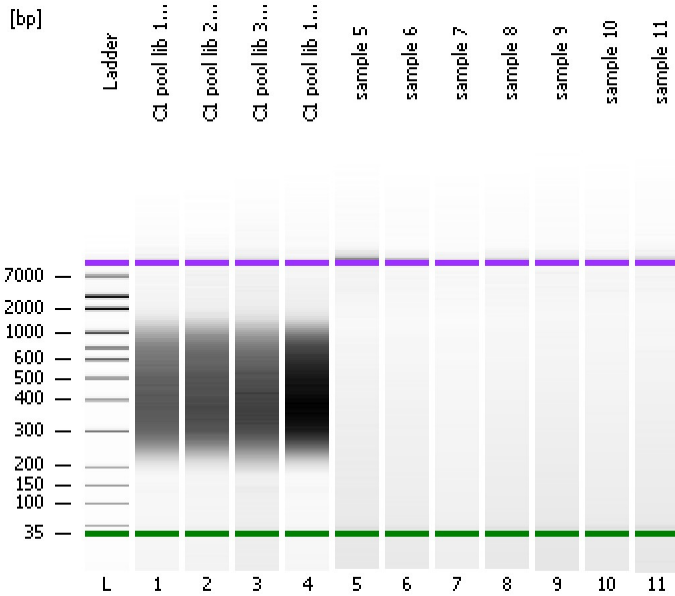


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-10-01\2015-10-01_001.xad

Created: 10/1/2015 10:27:39 AM
Modified: 10/1/2015 11:37:07 AM

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

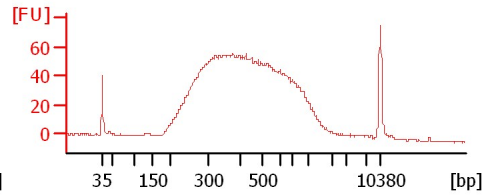
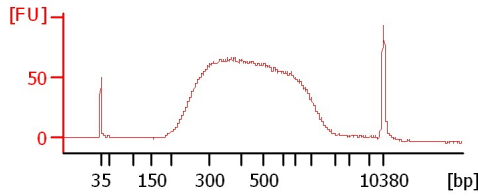
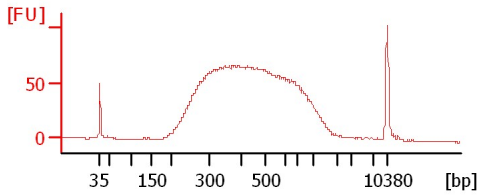
Chip Information:

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

C1 pool lib 1 (1:2 dil)

C1 pool lib 2 (1:2 dil)

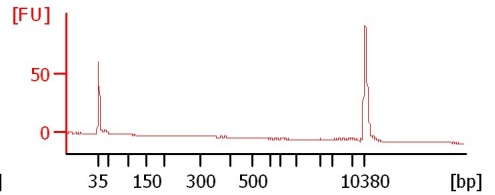
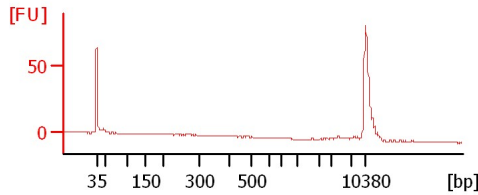
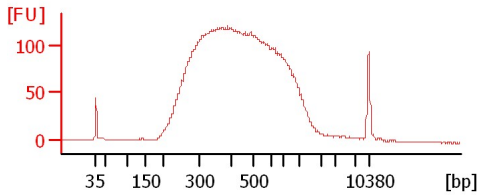
C1 pool lib 3 (1:2 dil)



C1 pool lib 1 (undil)

sample 5

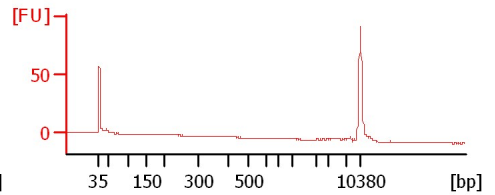
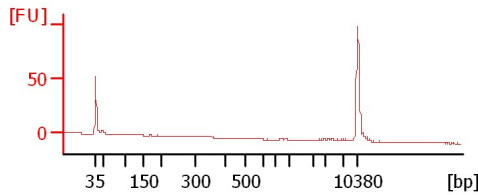
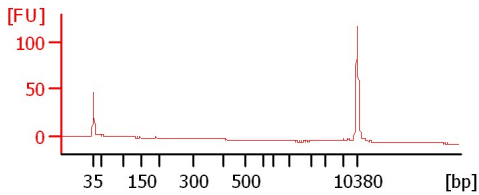
sample 6



sample 7

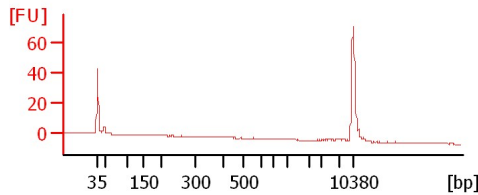
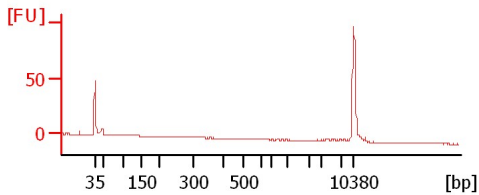
sample 8

sample 9



sample 10

sample 11



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-10-01\2015-10-01_001.xad

Created: 10/1/2015 10:27:39 AM
Modified: 10/1/2015 11:37:07 AM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|-------------------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| C1 pool lib 1 (1:2 dil) | | <input type="checkbox"/> | ✓ | | | |
| C1 pool lib 2 (1:2 dil) | | <input type="checkbox"/> | ✓ | | | |
| C1 pool lib 3 (1:2 dil) | | <input type="checkbox"/> | ✓ | | | |
| C1 pool lib 1 (undil) | | <input type="checkbox"/> | ✓ | | | |
| sample 5 | | <input type="checkbox"/> | ✓ | | | |
| sample 6 | | <input type="checkbox"/> | ✓ | | | |
| sample 7 | | <input type="checkbox"/> | ✓ | | | |
| sample 8 | | <input type="checkbox"/> | ✓ | | | |
| sample 9 | | <input type="checkbox"/> | ✓ | | | |
| sample 10 | | <input type="checkbox"/> | ✓ | | | |
| sample 11 | | <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\2015-10-01\2015-10-01_001.xad

Created: 10/1/2015 10:27:39 AM
Modified: 10/1/2015 11:37:07 AM

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

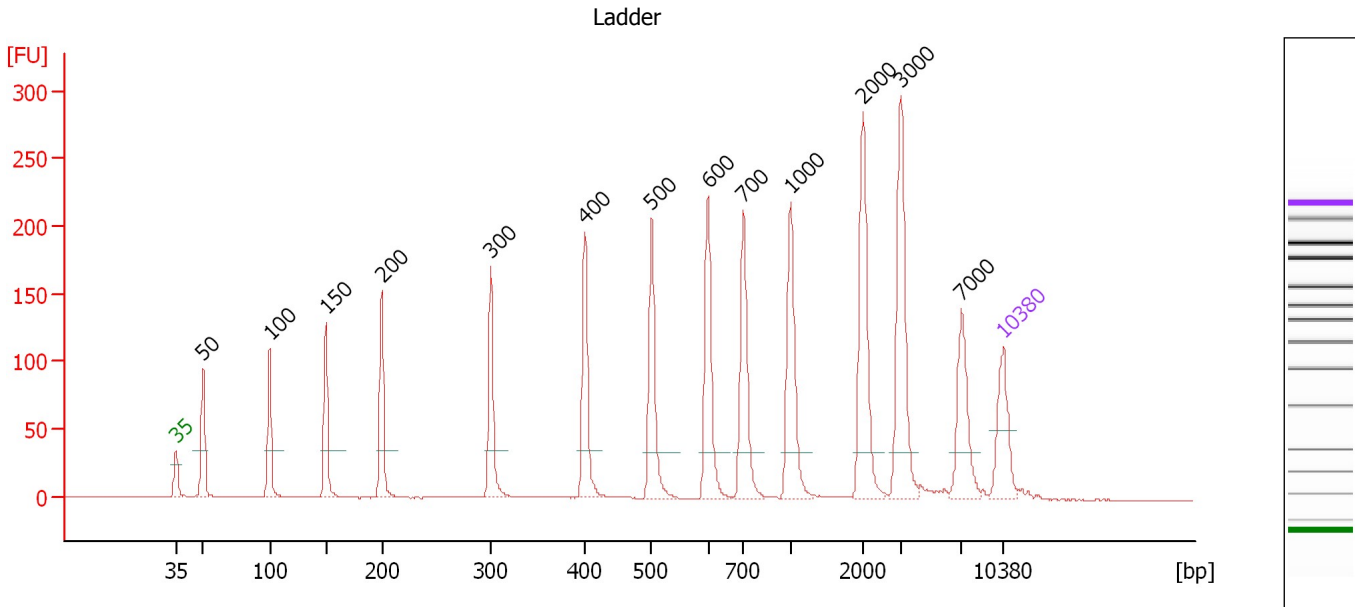
Ladder

| 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\2015-10-01\2015-10-01_001.xad

Created: 10/1/2015 10:27:39 AM
 Modified: 10/1/2015 11:37:07 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

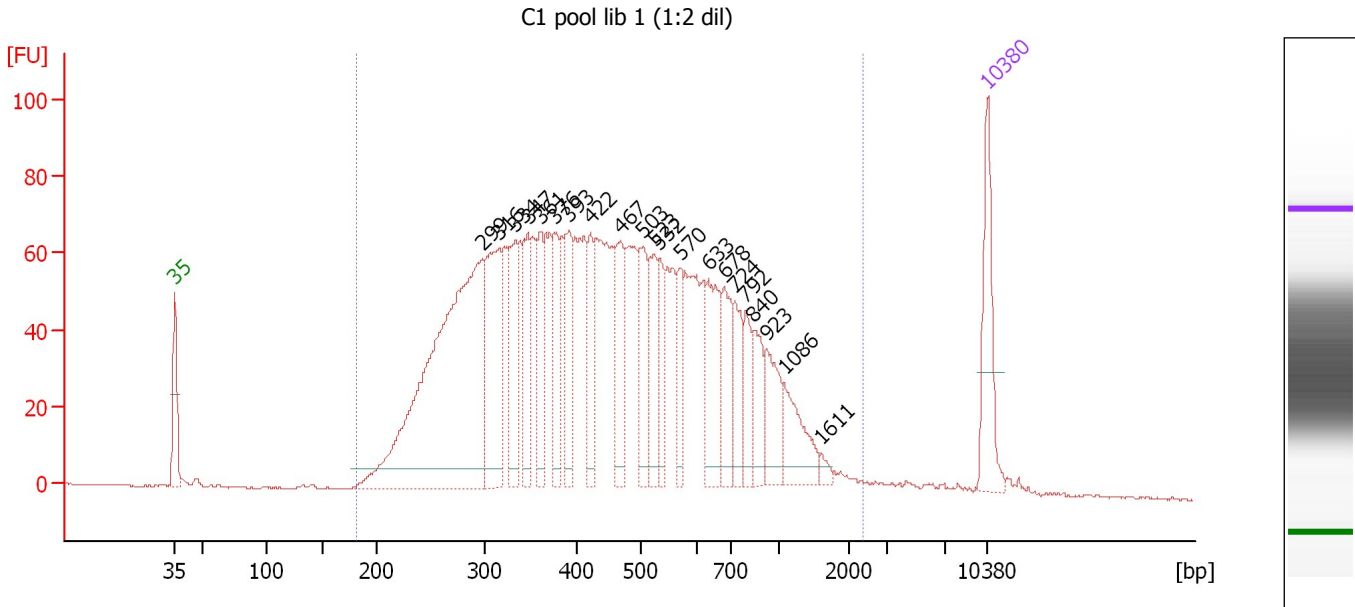
Peak table for Ladder

| 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 | 45.30 |
| 3 | 100 | 150.00 | 2,272.7 | Ladder Peak | 50.93 |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak | 55.67 |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak | 60.40 |
| 6 | 300 | 150.00 | 757.6 | Ladder Peak | 69.64 |
| 7 | 400 | 150.00 | 568.2 | Ladder Peak | 77.57 |
| 8 | 500 | 150.00 | 454.5 | Ladder Peak | 83.21 |
| 9 | 600 | 150.00 | 378.8 | Ladder Peak | 87.98 |
| 10 | 700 | 150.00 | 324.7 | Ladder Peak | 90.96 |
| 11 | 1,000 | 150.00 | 227.3 | Ladder Peak | 94.97 |
| 12 | 2,000 | 150.00 | 113.6 | Ladder Peak | 101.10 |
| 13 | 3,000 | 150.00 | 75.8 | Ladder Peak | 104.30 |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak | 109.39 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-10-01\2015-10-01_001.xad

Created: 10/1/2015 10:27:39 AM
 Modified: 10/1/2015 11:37:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : C1 pool lib 1 (1:2 dil)

Number of peaks found: 21 Corr. Area 1: 2,546.2
 Noise: 0.2

Peak table for sample 1 : C1 pool lib 1 (1:2 dil)

| 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 | 299 | 681.44 | 3,458.6 | | 69.50 |
| 3 | 316 | 198.94 | 953.2 | | 70.93 |
| 4 | 334 | 93.19 | 422.5 | | 72.35 |
| 5 | 347 | 80.76 | 352.1 | | 73.41 |
| 6 | 361 | 78.98 | 331.6 | | 74.46 |
| 7 | 376 | 71.03 | 285.9 | | 75.70 |
| 8 | 393 | 84.22 | 325.0 | | 76.99 |
| 9 | 422 | 65.21 | 234.0 | | 78.83 |
| 10 | 467 | 89.63 | 290.7 | | 81.35 |
| 11 | 503 | 89.11 | 268.7 | | 83.33 |
| 12 | 523 | 71.44 | 207.1 | | 84.29 |
| 13 | 532 | 52.46 | 149.3 | | 84.75 |
| 14 | 570 | 47.69 | 126.8 | | 86.54 |
| 15 | 633 | 94.24 | 225.4 | | 88.98 |
| 16 | 678 | 65.96 | 147.4 | | 90.31 |
| 17 | 724 | 54.41 | 113.9 | | 91.27 |
| 18 | 792 | 43.65 | 83.5 | | 92.19 |
| 19 | 840 | 47.32 | 85.3 | | 92.84 |
| 20 | 923 | 58.19 | 95.5 | | 93.94 |
| 21 | 1,086 | 63.05 | 87.9 | | 95.50 |
| 22 | 1,611 | 7.04 | 6.6 | | 98.72 |
| 23 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-10-01\2015-10-01_001.xad

Created: 10/1/2015 10:27:39 AM
Modified: 10/1/2015 11:37:07 AM

Electropherogram Summary Continued ...

... Region table for sample 1 :

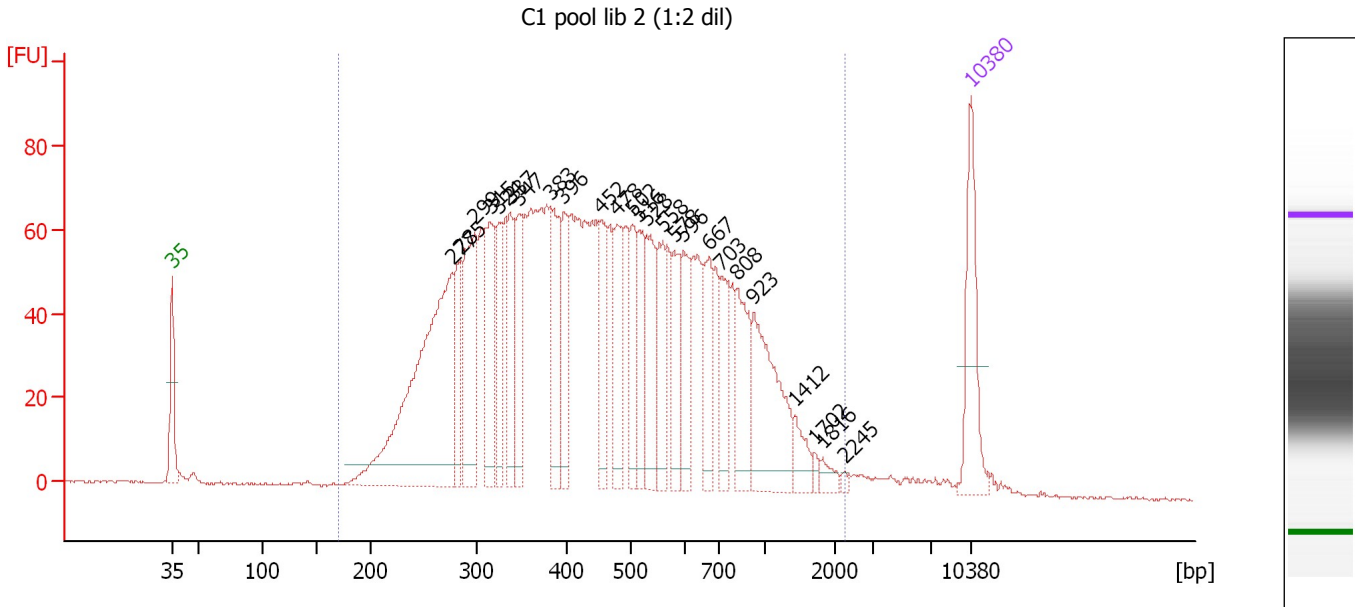
C1 pool lib 1 (1:2 dil)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 182 | 2,393 | 506 | 2,546.2 | 12,772.3 | ■ 3,292.31 | 98 | 53.9 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-10-01\2015-10-01_001.xad

Created: 10/1/2015 10:27:39 AM
 Modified: 10/1/2015 11:37:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : C1 pool lib 2 (1:2 dil)

Number of peaks found: 25 Corr. Area 1: 2,553.0
 Noise: 0.3

Peak table for sample 2 : C1 pool lib 2 (1:2 dil)

| 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 | 277 | 438.77 | 2,399.8 | | 67.52 |
| 3 | 285 | 74.92 | 398.8 | | 68.22 |
| 4 | 299 | 163.71 | 830.2 | | 69.52 |
| 5 | 315 | 123.45 | 593.7 | | 70.83 |
| 6 | 324 | 75.22 | 351.3 | | 71.58 |
| 7 | 337 | 80.60 | 362.0 | | 72.61 |
| 8 | 347 | 78.99 | 344.5 | | 73.40 |
| 9 | 383 | 100.00 | 395.9 | | 76.20 |
| 10 | 396 | 76.22 | 291.4 | | 77.28 |
| 11 | 452 | 75.46 | 253.0 | | 80.50 |
| 12 | 478 | 81.91 | 259.4 | | 81.99 |
| 13 | 502 | 66.66 | 201.2 | | 83.30 |
| 14 | 516 | 63.96 | 187.9 | | 83.95 |
| 15 | 528 | 81.55 | 233.8 | | 84.56 |
| 16 | 558 | 64.84 | 176.1 | | 85.96 |
| 17 | 578 | 60.90 | 159.6 | | 86.94 |
| 18 | 596 | 62.47 | 158.9 | | 87.78 |
| 19 | 667 | 60.72 | 137.9 | | 89.98 |
| 20 | 703 | 56.28 | 121.2 | | 91.01 |
| 21 | 808 | 77.78 | 145.8 | | 92.41 |
| 22 | 923 | 128.82 | 211.3 | | 93.95 |
| 23 | 1,412 | 22.94 | 24.6 | | 97.50 |
| 24 | 1,702 | 5.29 | 4.7 | | 99.27 |
| 25 | 1,816 | 10.00 | 8.3 | | 99.97 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-10-01\2015-10-01_001.xad

Created: 10/1/2015 10:27:39 AM
Modified: 10/1/2015 11:37:07 AM

Electropherogram Summary Continued ...**... Peak table for sample 2 : C1 pool lib 2 (1:2 dil)**

| Peak | Size [bp] | Conc. [pg/ μ l] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------------|-------------------|--------------|----------------------------|
| 26 | 2,245 | 3.01 | 2.0 | | 101.89 |
| 27 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

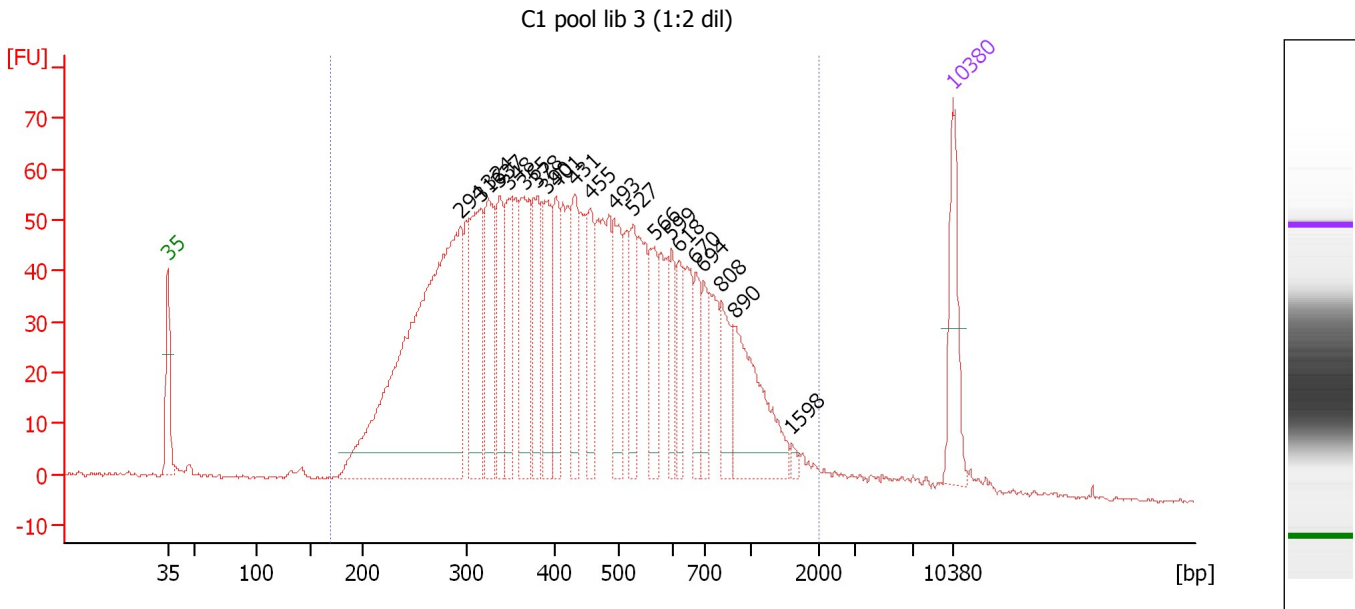
Region table for sample 2 : C1 pool lib 2 (1:2 dil)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/ μ l] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------------|------------|-----------------------------|
| 170 | 2,250 | 513 | 2,553.0 | 12,315.2 | 3,194.35 | 97 | 54.3 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-10-01\2015-10-01_001.xad

Created: 10/1/2015 10:27:39 AM
 Modified: 10/1/2015 11:37:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : C1 pool lib 3 (1:2 dil)

Number of peaks found: 21 Corr. Area 1: 2,169.2
 Noise: 0.4

Peak table for sample 3 : C1 pool lib 3 (1:2 dil)

| 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 | 294 | 806.91 | 4,155.0 | | 69.11 |
| 3 | 316 | 184.11 | 882.6 | | 70.91 |
| 4 | 324 | 138.13 | 645.0 | | 71.58 |
| 5 | 337 | 108.09 | 485.9 | | 72.58 |
| 6 | 348 | 86.14 | 374.6 | | 73.48 |
| 7 | 365 | 153.74 | 638.8 | | 74.77 |
| 8 | 378 | 111.71 | 447.3 | | 75.86 |
| 9 | 390 | 107.55 | 418.0 | | 76.76 |
| 10 | 401 | 93.56 | 353.6 | | 77.62 |
| 11 | 431 | 96.95 | 340.6 | | 79.33 |
| 12 | 455 | 80.34 | 267.6 | | 80.66 |
| 13 | 493 | 99.49 | 305.9 | | 82.80 |
| 14 | 527 | 69.89 | 200.8 | | 84.51 |
| 15 | 566 | 72.96 | 195.2 | | 86.37 |
| 16 | 599 | 48.27 | 122.1 | | 87.94 |
| 17 | 618 | 47.09 | 115.5 | | 88.51 |
| 18 | 670 | 50.82 | 114.9 | | 90.08 |
| 19 | 694 | 45.63 | 99.6 | | 90.79 |
| 20 | 808 | 59.77 | 112.0 | | 92.41 |
| 21 | 890 | 147.15 | 250.4 | | 93.50 |
| 22 | 1,598 | 6.46 | 6.1 | | 98.64 |
| 23 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-10-01\2015-10-01_001.xad

Created: 10/1/2015 10:27:39 AM
Modified: 10/1/2015 11:37:07 AM

Electropherogram Summary Continued ...

... Region table for sample 3 :

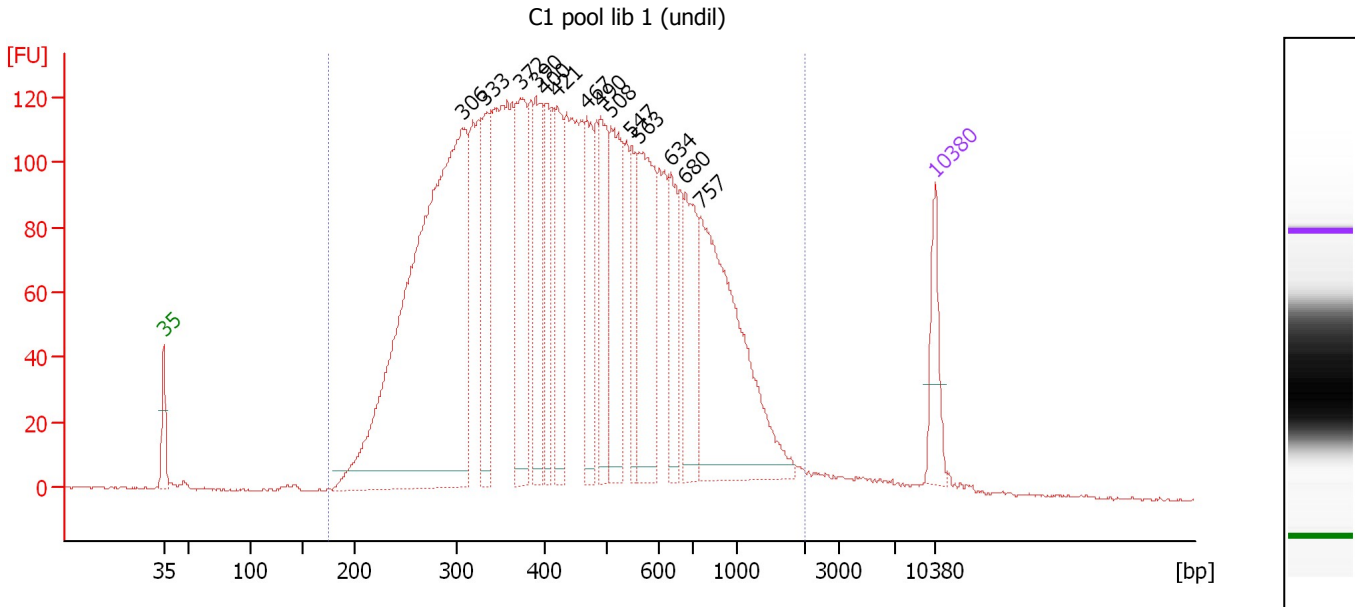
C1 pool lib 3 (1:2 dil)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 170 | 1,994 | 493 | 2,169.2 | 15,070.7 | 3,766.08 | 96 | 53.3 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-10-01\2015-10-01_001.xad

Created: 10/1/2015 10:27:39 AM
 Modified: 10/1/2015 11:37:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : C1 pool lib 1 (undil)

Number of peaks found: 14 Corr. Area 1: 4,481.5
 Noise: 0.4

Peak table for sample 4 : C1 pool lib 1 (undil)

| 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 | 306 | 1,633.20 | 8,094.8 | | 70.09 |
| 3 | 333 | 212.82 | 969.7 | | 72.22 |
| 4 | 372 | 295.36 | 1,202.5 | | 75.36 |
| 5 | 390 | 203.74 | 791.8 | | 76.77 |
| 6 | 400 | 142.81 | 541.5 | | 77.54 |
| 7 | 421 | 190.36 | 685.2 | | 78.75 |
| 8 | 467 | 177.85 | 576.7 | | 81.36 |
| 9 | 490 | 183.81 | 567.8 | | 82.67 |
| 10 | 508 | 248.73 | 741.9 | | 83.59 |
| 11 | 547 | 115.47 | 319.6 | | 85.47 |
| 12 | 563 | 289.99 | 780.9 | | 86.20 |
| 13 | 634 | 131.35 | 313.7 | | 89.01 |
| 14 | 680 | 186.28 | 415.1 | | 90.36 |
| 15 | 757 | 532.78 | 1,067.0 | | 91.71 |
| 16 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

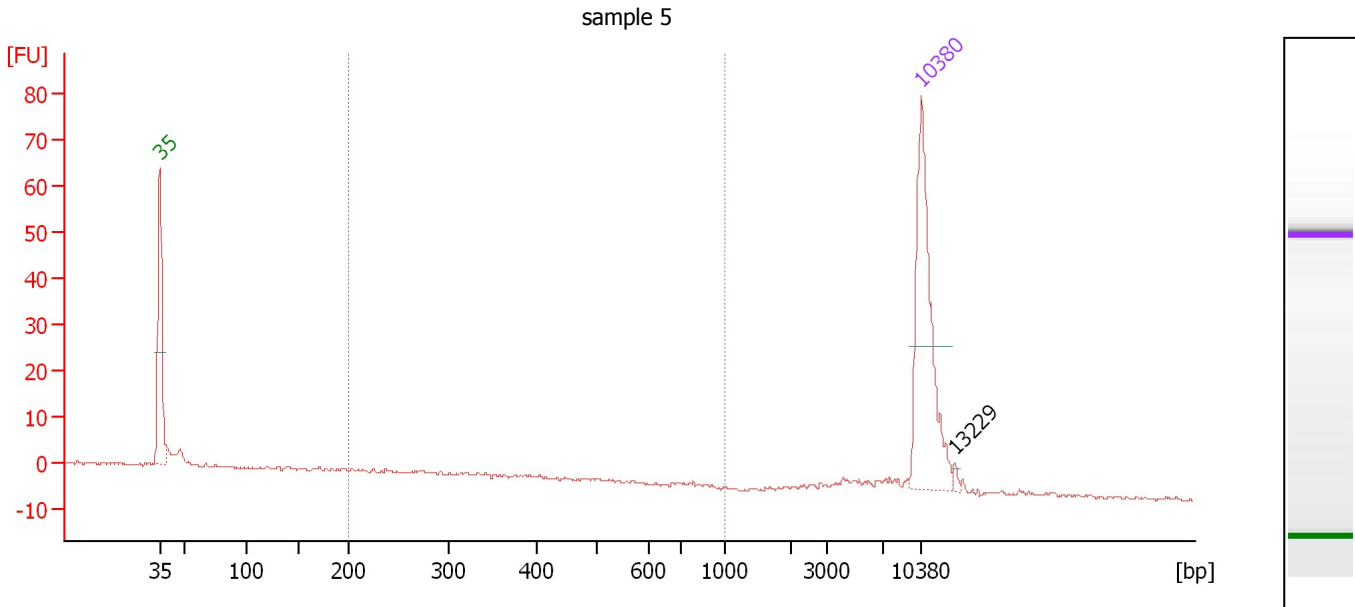
Region table for sample 4 : C1 pool lib 1 (undil)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 174 | 2,023 | 499 | 4,481.5 | 25,860.9 | 6,648.01 | 98 | 51.2 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-10-01\2015-10-01_001.xad

Created: 10/1/2015 10:27:39 AM
 Modified: 10/1/2015 11:37:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : sample 5

Number of peaks found: 1 Corr. Area 1: 16.0
 Noise: 0.3

Peak table for sample 5 : sample 5

| 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 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 3 | 13,229 | 0.00 | 0.0 | | 116.04 |

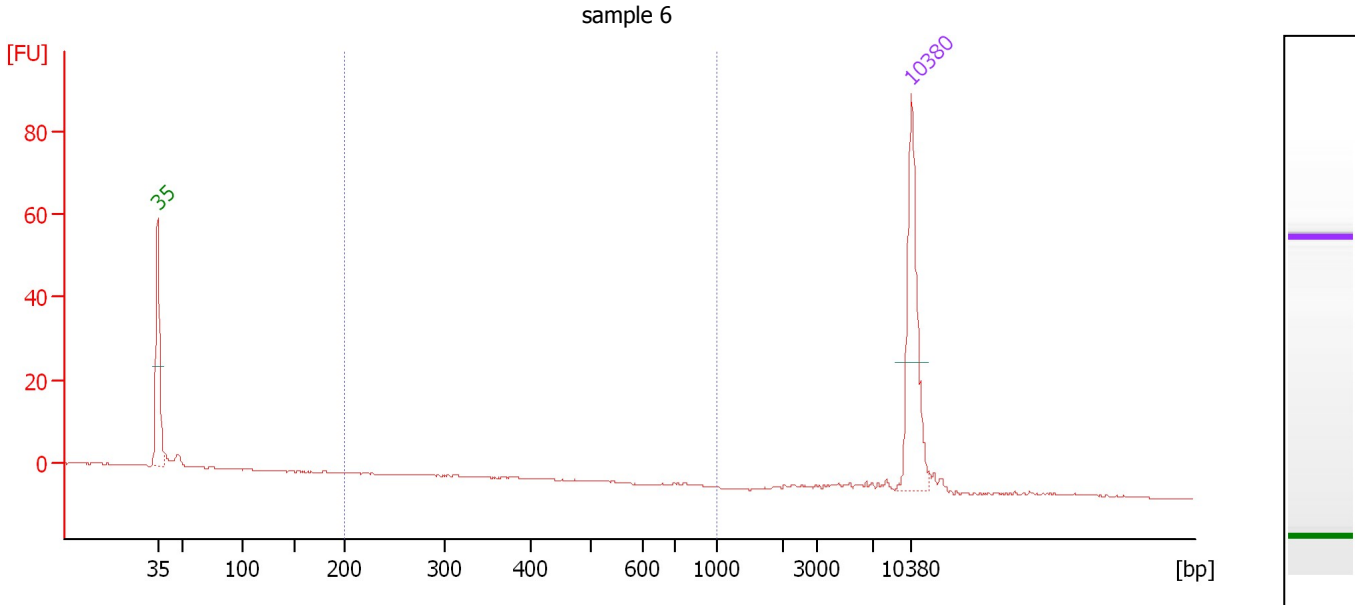
Region table for sample 5 : sample 5

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,000 | 335 | 16.0 | 80.5 | 15.88 | 24 | 31.9 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-10-01\2015-10-01_001.xad

Created: 10/1/2015 10:27:39 AM
 Modified: 10/1/2015 11:37:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : sample 6

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

Peak table for sample 6 : sample 6

| 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 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

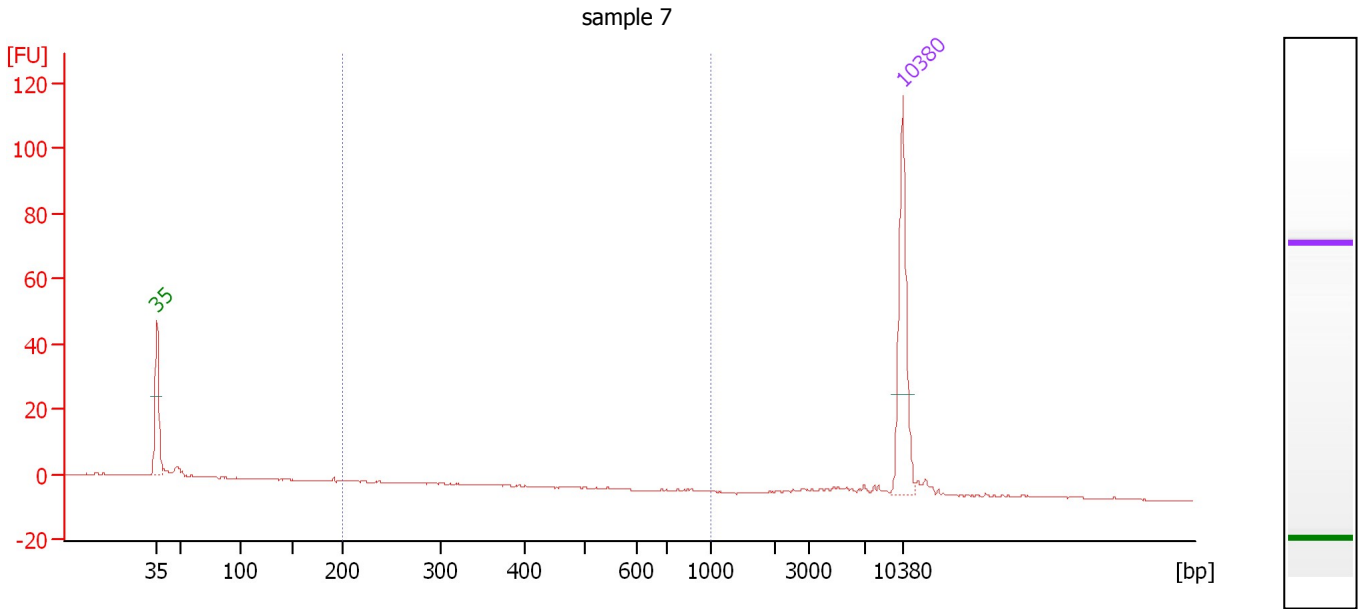
Region table for sample 6 : sample 6

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,000 | 343 | 0.1 | 0.7 | 0.15 | 0 | 18.7 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-10-01\2015-10-01_001.xad

Created: 10/1/2015 10:27:39 AM
 Modified: 10/1/2015 11:37:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : sample 7

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

Peak table for sample 7 : sample 7

| 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 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

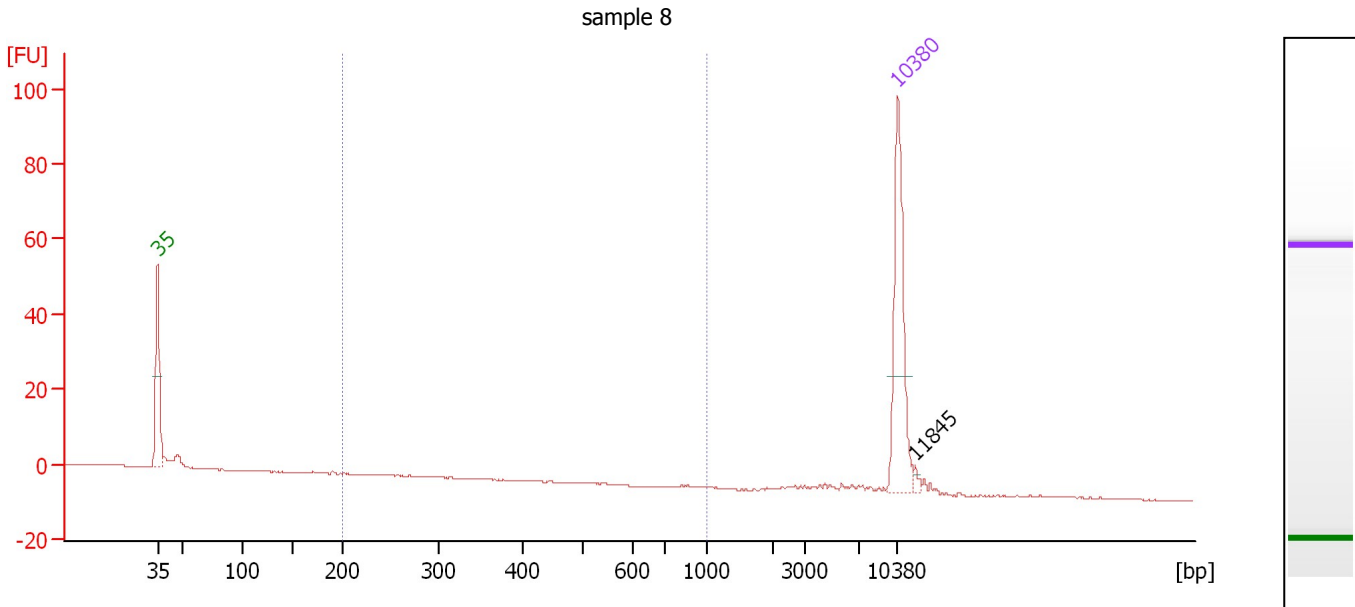
Region table for sample 7 : sample 7

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,000 | 227 | 0.0 | 0.0 | 0.01 | 0 | 3.0 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-10-01\2015-10-01_001.xad

Created: 10/1/2015 10:27:39 AM
 Modified: 10/1/2015 11:37:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : sample 8

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

Peak table for sample 8 : sample 8

| 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 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 3 | 11,845 | 0.00 | 0.0 | | 114.56 |

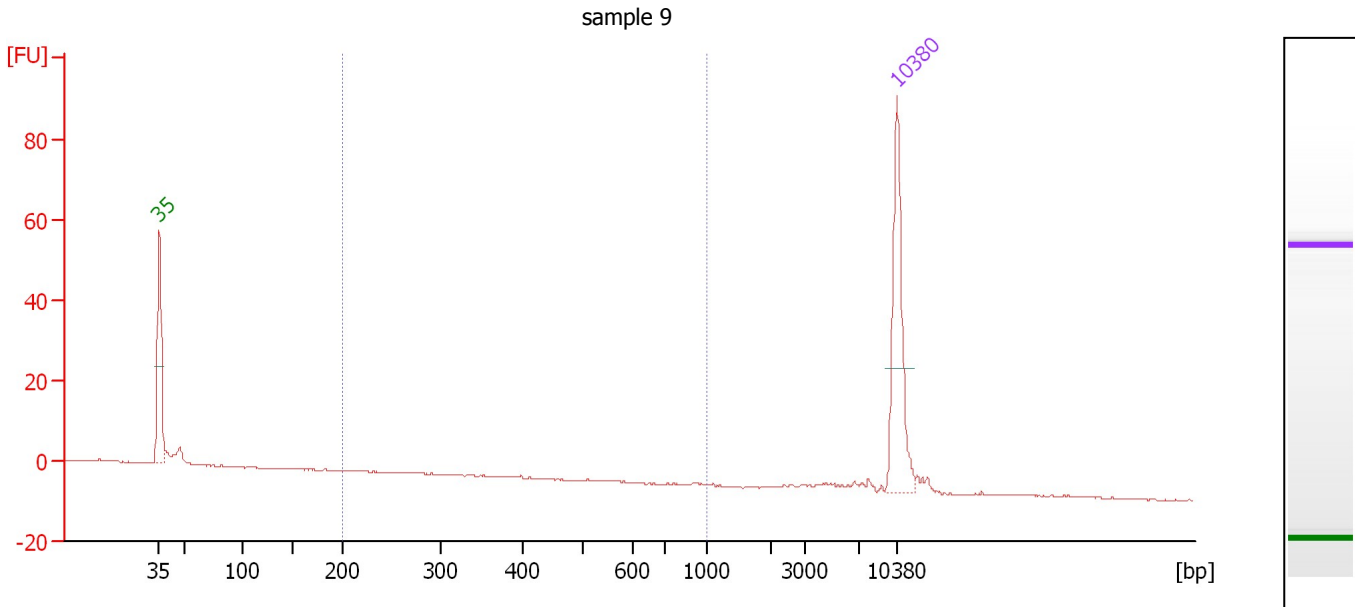
Region table for sample 8 : sample 8

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,000 | 220 | 0.0 | 0.2 | 0.03 | 0 | 13.3 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-10-01\2015-10-01_001.xad

Created: 10/1/2015 10:27:39 AM
 Modified: 10/1/2015 11:37:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : sample 9

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

Peak table for sample 9 : sample 9

| 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 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

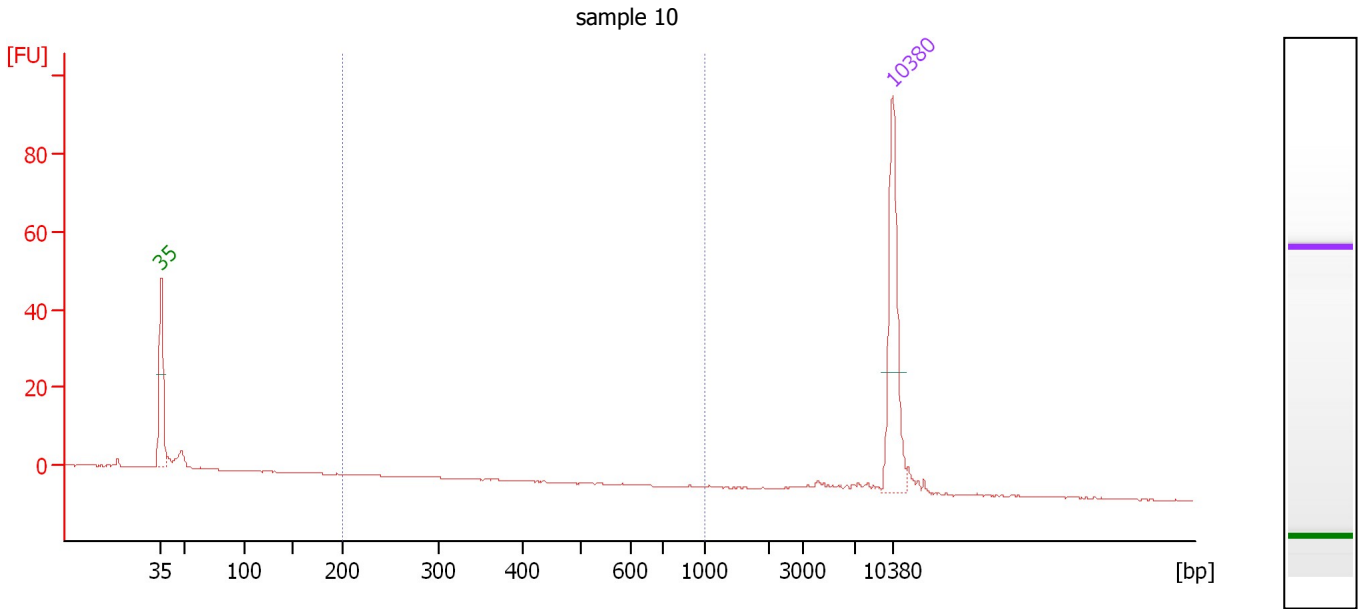
Region table for sample 9 : sample 9

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,000 | 397 | 0.0 | 0.2 | 0.04 | 0 | 0.1 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-10-01\2015-10-01_001.xad

Created: 10/1/2015 10:27:39 AM
 Modified: 10/1/2015 11:37:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : sample 10

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

Peak table for sample 10 : sample 10

| 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 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

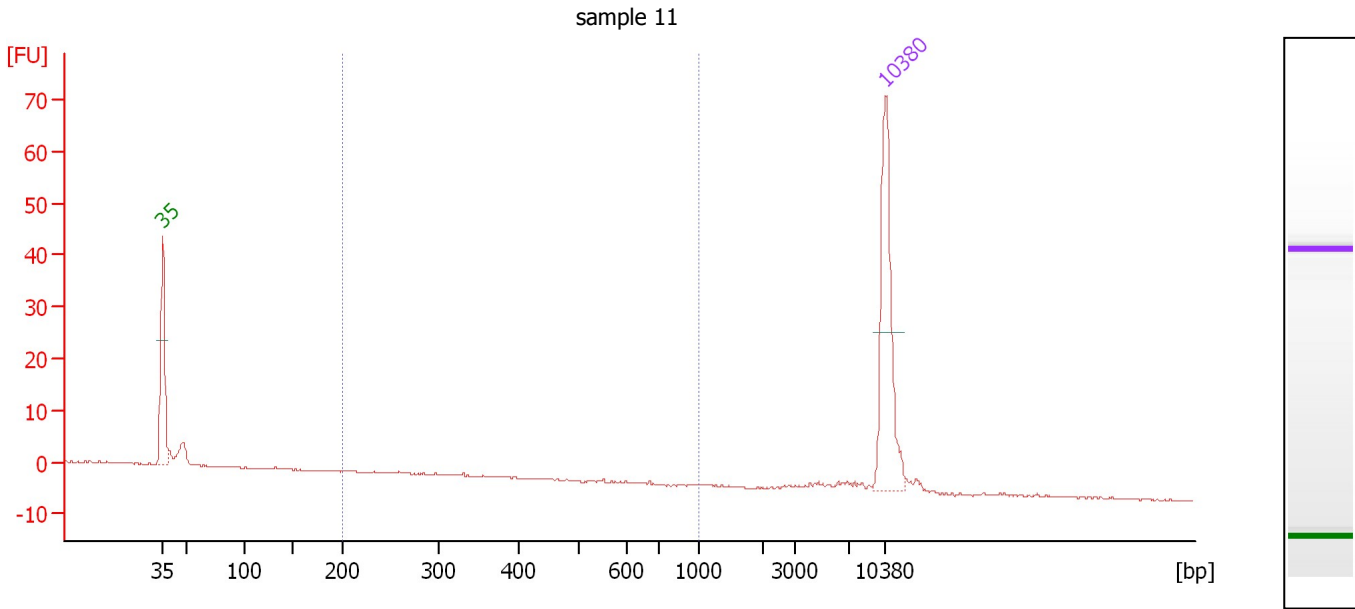
Region table for sample 10 : sample 10

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,000 | 260 | 0.0 | 0.0 | 0.00 | 0 | 9.2 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-10-01\2015-10-01_001.xad

Created: 10/1/2015 10:27:39 AM
 Modified: 10/1/2015 11:37:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

Number of peaks found: 0 Corr. Area 1: 1.5
 Noise: 0.1

Peak table for sample 11 : sample 11

| 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 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

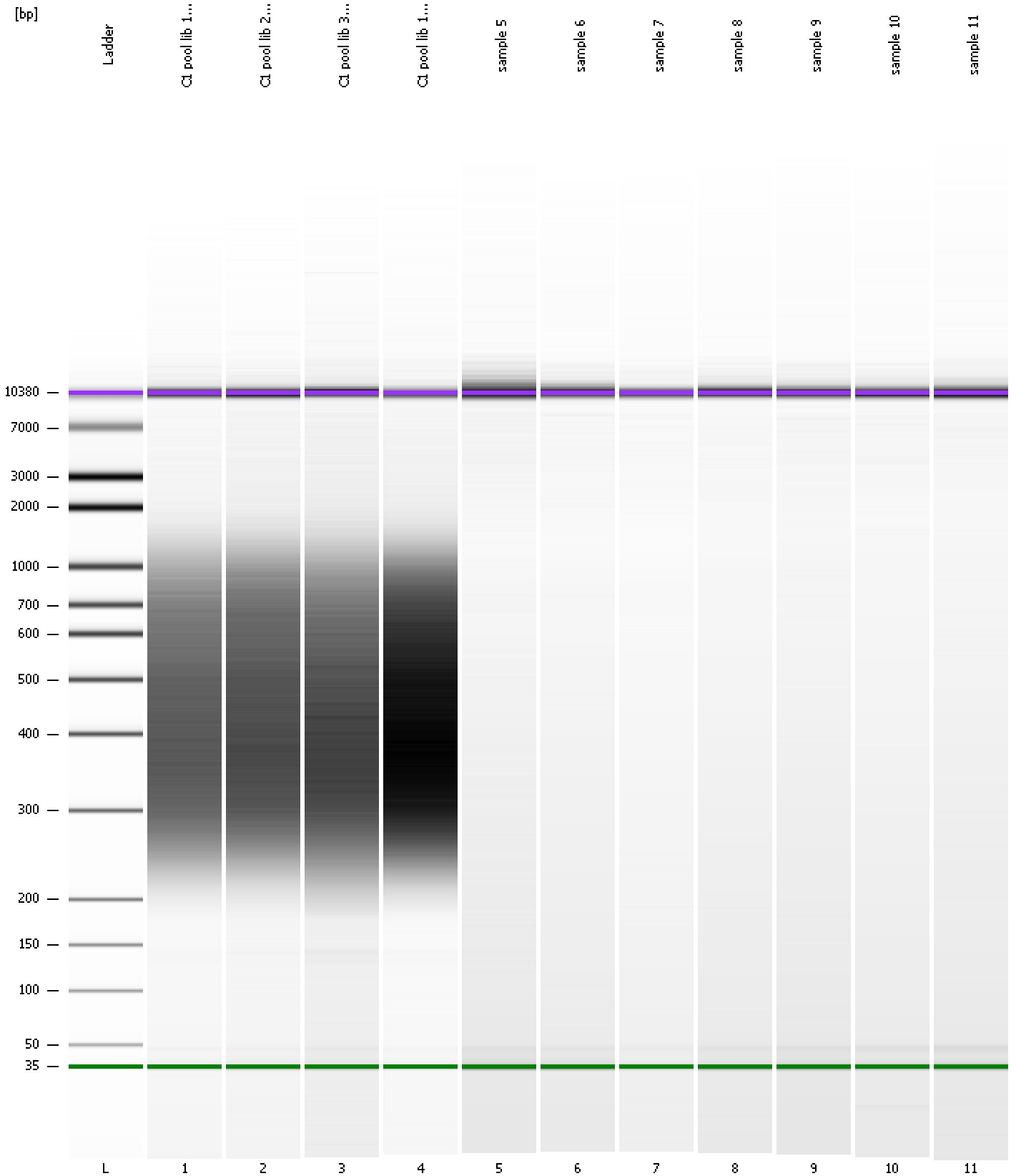
Region table for sample 11 : sample 11

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,000 | 306 | 1.5 | 12.2 | 2.24 | 5 | 33.9 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-10-01\2015-10-01_001.xad

Created: 10/1/2015 10:27:39 AM
Modified: 10/1/2015 11:37:07 AM

Gel Image

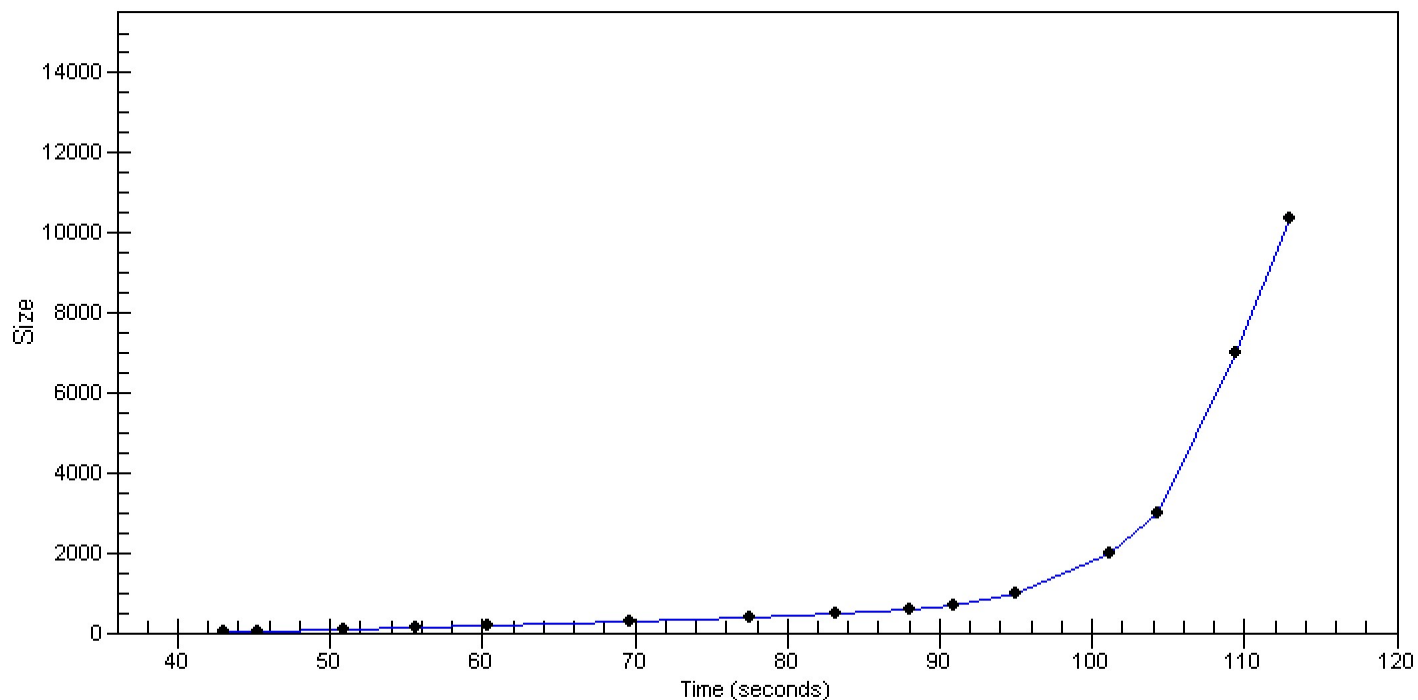


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-10-01\2015-10-01_001.xad

Created: 10/1/2015 10:27:39 AM
Modified: 10/1/2015 11:37:07 AM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-10-01\2015-10-01_001.xad

Created: 10/1/2015 10:27:39 AM
 Modified: 10/1/2015 11:37:07 AM

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 | | 10/1/2015 11:08:56 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-10-01\2015-10-01_001.xad) | | Instrument | Run | | 10/1/2015 10:27:44 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 10/1/2015 10:27:44 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 10/1/2015 10:27:44 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 10/1/2015 10:27:44 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 10/1/2015 10:27:44 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 10/1/2015 10:27:44 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 10/1/2015 10:27:44 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |