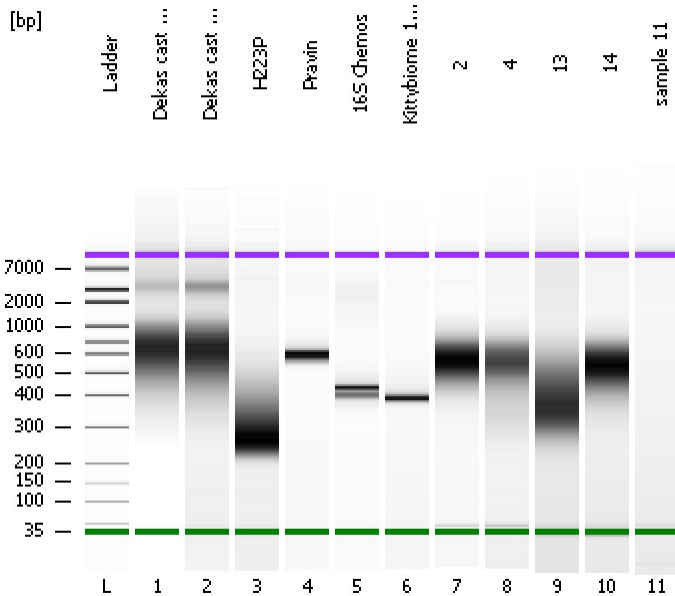


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-25\2015-09-25_001.xad

Created: 9/25/2015 12:08:48 PM
Modified: 9/25/2015 1:04:00 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

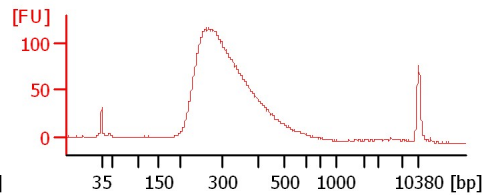
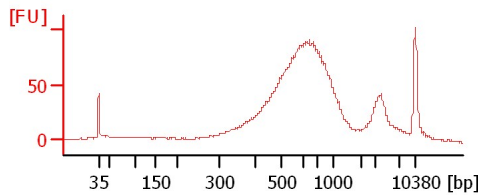
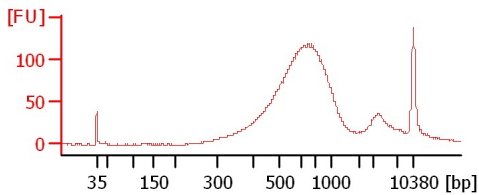
Chip Information:

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

Dekas cast 1 DNA lib 0.6X

Dekas cast 71 DNA lib 0.6X

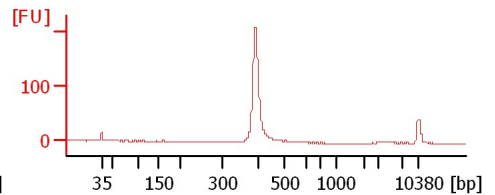
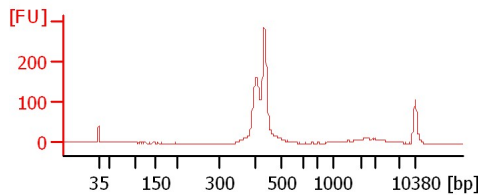
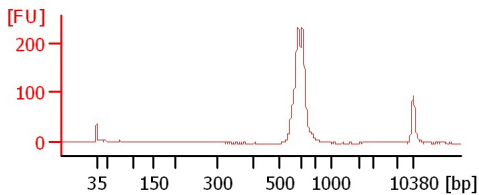
H223P



Pravin

16S Chemos

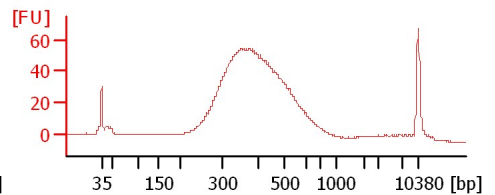
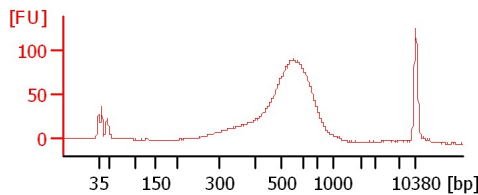
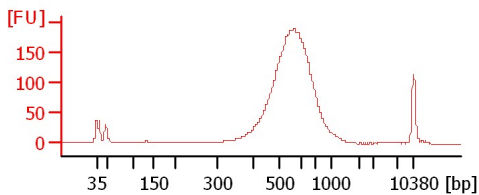
Kittybiome 101



2

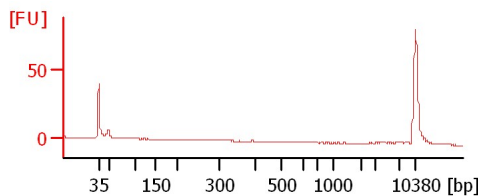
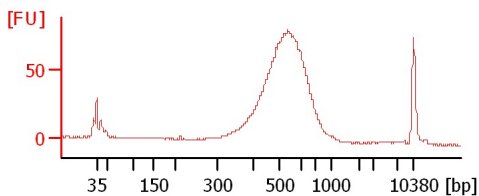
4

13



14

sample 11



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-25\2015-09-25_001.xad

Created: 9/25/2015 12:08:48 PM
 Modified: 9/25/2015 1:04:00 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|----------------------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| Dekas cast 1 DNA lib 0.6X | | <input type="checkbox"/> | ✓ | | | |
| Dekas cast 71 DNA lib 0.6X | | <input type="checkbox"/> | ✓ | | | |
| H223P | | <input type="checkbox"/> | ✓ | | | |
| Pravin | | <input type="checkbox"/> | ✓ | | | |
| 16S Chemos | | <input type="checkbox"/> | ✓ | | | |
| Kittybiome 101 | | <input type="checkbox"/> | ✓ | | | |
| 2 | | <input type="checkbox"/> | ✓ | | | |
| 4 | | <input type="checkbox"/> | ✓ | | | |
| 13 | | <input type="checkbox"/> | ✓ | | | |
| 14 | | <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\2015-09-25\2015-09-25_001.xad

Created: 9/25/2015 12:08:48 PM
Modified: 9/25/2015 1:04:00 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

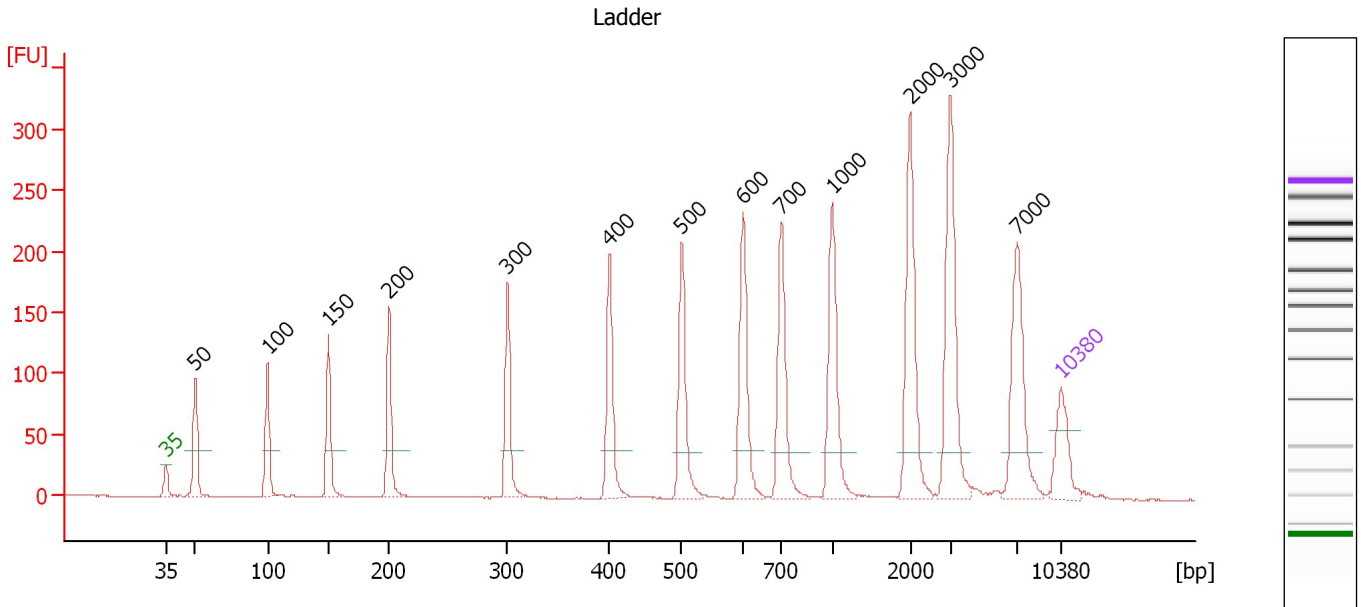
Ladder

| 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\2015-09-25\2015-09-25_001.xad

Created: 9/25/2015 12:08:48 PM
 Modified: 9/25/2015 1:04:00 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

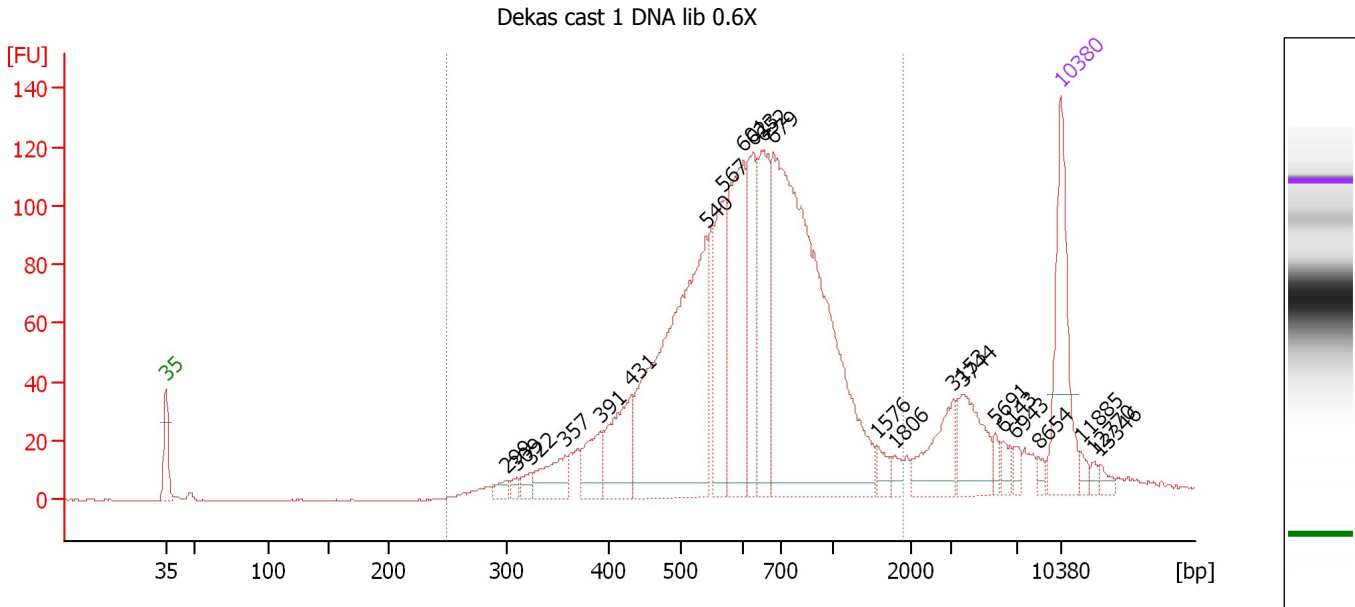
Peak table for Ladder

| 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 | 45.29 |
| 3 | 100 | 150.00 | 2,272.7 | Ladder Peak | 50.95 |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak | 55.71 |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak | 60.47 |
| 6 | 300 | 150.00 | 757.6 | Ladder Peak | 69.72 |
| 7 | 400 | 150.00 | 568.2 | Ladder Peak | 77.66 |
| 8 | 500 | 150.00 | 454.5 | Ladder Peak | 83.32 |
| 9 | 600 | 150.00 | 378.8 | Ladder Peak | 88.13 |
| 10 | 700 | 150.00 | 324.7 | Ladder Peak | 91.13 |
| 11 | 1,000 | 150.00 | 227.3 | Ladder Peak | 95.08 |
| 12 | 2,000 | 150.00 | 113.6 | Ladder Peak | 101.19 |
| 13 | 3,000 | 150.00 | 75.8 | Ladder Peak | 104.33 |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak | 109.54 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-25\2015-09-25_001.xad

Created: 9/25/2015 12:08:48 PM
 Modified: 9/25/2015 1:04:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Dekas cast 1 DNA lib 0.6X

Number of peaks found: 23 Corr. Area 1: 1,993.4
 Noise: 0.2

Peak table for sample 1 : Dekas cast 1 DNA lib 0.6X


| 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 | 8.41 | 42.6 | | 69.62 |
| 3 | 309 | 6.08 | 29.9 | | 70.39 |
| 4 | 322 | 9.23 | 43.4 | | 71.48 |
| 5 | 357 | 37.37 | 158.6 | | 74.24 |
| 6 | 391 | 37.47 | 145.2 | | 76.96 |
| 7 | 431 | 69.03 | 242.8 | | 79.40 |
| 8 | 540 | 325.05 | 912.0 | | 85.24 |
| 9 | 567 | 90.36 | 241.3 | | 86.56 |
| 10 | 601 | 146.14 | 368.7 | | 88.14 |
| 11 | 623 | 79.84 | 194.1 | | 88.82 |
| 12 | 652 | 103.19 | 239.9 | | 89.68 |
| 13 | 679 | 480.36 | 1,072.2 | | 90.50 |
| 14 | 1,576 | 10.78 | 10.4 | | 98.60 |
| 15 | 1,806 | 7.22 | 6.1 | | 100.01 |
| 16 | 3,153 | 41.15 | 19.8 | | 104.53 |
| 17 | 3,744 | 45.73 | 18.5 | | 105.30 |
| 18 | 5,691 | 6.54 | 1.7 | | 107.84 |
| 19 | 6,143 | 8.07 | 2.0 | | 108.43 |
| 20 | 6,943 | 6.65 | 1.5 | | 109.47 |
| 21 | 8,654 | 4.46 | 0.8 | | 111.23 |
| 22 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 23 | 11,885 | 0.00 | 0.0 | | 114.54 |
| 24 | 12,770 | 0.00 | 0.0 | | 115.45 |
| 25 | 13,346 | 0.00 | 0.0 | | 116.03 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-25\2015-09-25_001.xad

Created: 9/25/2015 12:08:48 PM
Modified: 9/25/2015 1:04:00 PM

Electropherogram Summary Continued ...

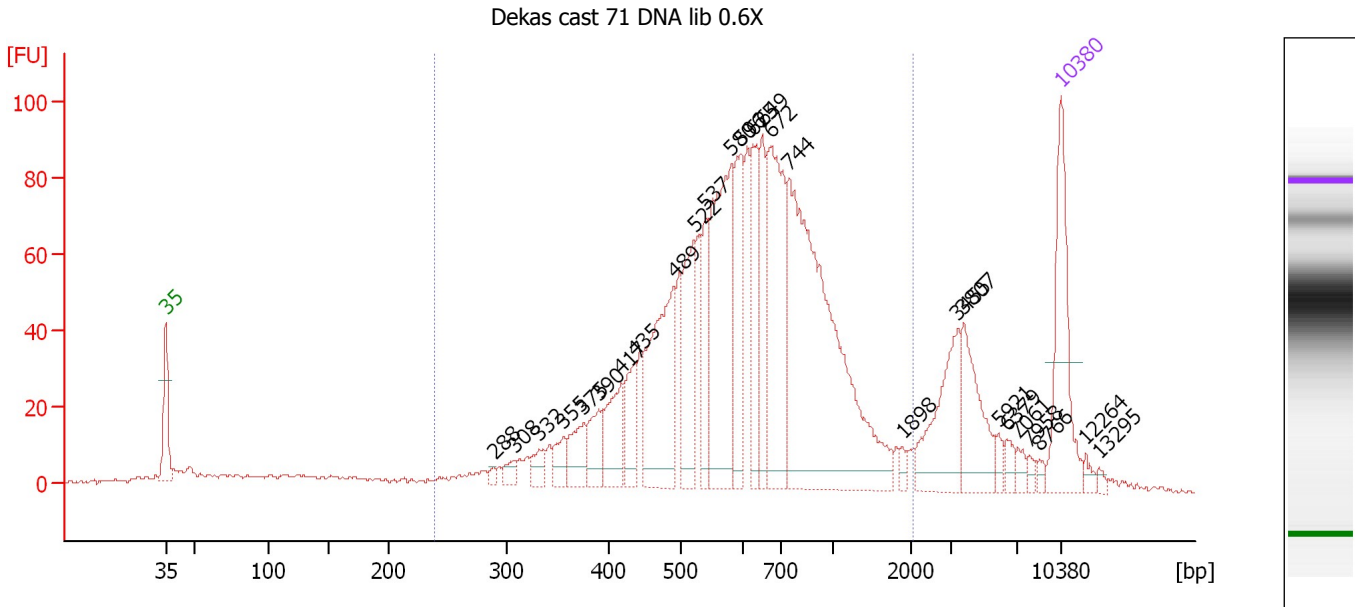
... Region table for sample 1 : Dekas cast 1 DNA lib 0.6X

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|--|-----------------------------|---------------|
| 248 | 673 | 1,899 | 1,993.4 | 3,814.2 |  87 | 38.8 | 1,453.07 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-25\2015-09-25_001.xad

Created: 9/25/2015 12:08:48 PM
 Modified: 9/25/2015 1:04:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Dekas cast 71 DNA lib 0.6X

Number of peaks found: 27 Corr. Area 1: 1,673.0
 Noise: 0.6

Peak table for sample 2 : Dekas cast 71 DNA lib 0.6X

| 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 | 288 | 4.59 | 24.1 | | 68.64 |
| 3 | 308 | 10.39 | 51.1 | | 70.34 |
| 4 | 332 | 15.69 | 71.7 | | 72.22 |
| 5 | 355 | 18.38 | 78.4 | | 74.10 |
| 6 | 375 | 31.85 | 128.8 | | 75.66 |
| 7 | 390 | 29.21 | 113.5 | | 76.85 |
| 8 | 417 | 51.72 | 187.8 | | 78.64 |
| 9 | 435 | 36.37 | 126.6 | | 79.65 |
| 10 | 489 | 135.60 | 419.8 | | 82.72 |
| 11 | 522 | 80.74 | 234.4 | | 84.38 |
| 12 | 537 | 48.56 | 136.9 | | 85.11 |
| 13 | 580 | 167.07 | 436.3 | | 87.17 |
| 14 | 596 | 72.41 | 184.0 | | 87.95 |
| 15 | 625 | 66.06 | 160.2 | | 88.87 |
| 16 | 649 | 57.63 | 134.5 | | 89.61 |
| 17 | 672 | 144.04 | 324.7 | | 90.29 |
| 18 | 744 | 356.92 | 726.7 | | 91.72 |
| 19 | 1,898 | 5.03 | 4.0 | | 100.57 |
| 20 | 3,455 | 66.93 | 29.4 | | 104.93 |
| 21 | 3,807 | 53.84 | 21.4 | | 105.39 |
| 22 | 5,921 | 7.07 | 1.8 | | 108.14 |
| 23 | 6,379 | 7.91 | 1.9 | | 108.73 |
| 24 | 7,061 | 6.28 | 1.3 | | 109.61 |
| 25 | 7,958 | 4.05 | 0.8 | | 110.52 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-25\2015-09-25_001.xad

Created: 9/25/2015 12:08:48 PM
 Modified: 9/25/2015 1:04:00 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : Dekas cast 71 DNA lib 0.6X

| Peak | Size [bp] | Conc. [pg/ μ l] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------------|-------------------|--------------|----------------------------|
| 26 | 8,766 | 3.55 | 0.6 | | 111.35 |
| 27 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 28 | 12,264 | 0.00 | 0.0 | | 114.93 |
| 29 | 13,295 | 0.00 | 0.0 | | 115.98 |

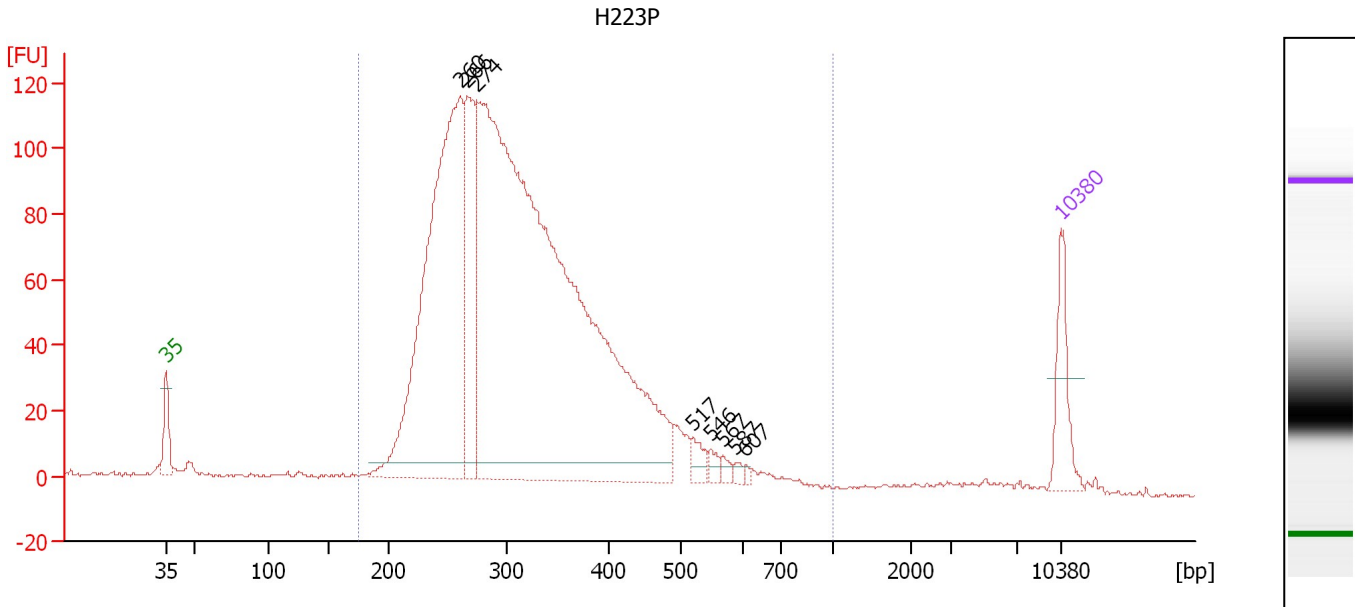
Region table for sample 2 : Dekas cast 71 DNA lib 0.6X

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] | Conc. [pg/ μ l] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------------|
| 239 | 672 | 2,058 | 1,673.0 | 4,212.7 | 82 | 43.3 | 1,553.71 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-25\2015-09-25_001.xad

Created: 9/25/2015 12:08:48 PM
 Modified: 9/25/2015 1:04:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : H223P

Number of peaks found: 8 Corr. Area 1: 2,371.1
 Noise: 0.5

Peak table for sample 3 : H223P

| 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 | 260 | 1,089.29 | 6,346.1 | | 66.02 |
| 3 | 266 | 317.10 | 1,808.8 | | 66.54 |
| 4 | 274 | 2,611.44 | 14,431.1 | | 67.33 |
| 5 | 517 | 29.08 | 85.2 | | 84.15 |
| 6 | 546 | 15.03 | 41.7 | | 85.55 |
| 7 | 567 | 10.83 | 29.0 | | 86.53 |
| 8 | 587 | 8.76 | 22.6 | | 87.51 |
| 9 | 607 | 4.93 | 12.3 | | 88.35 |
| 10 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

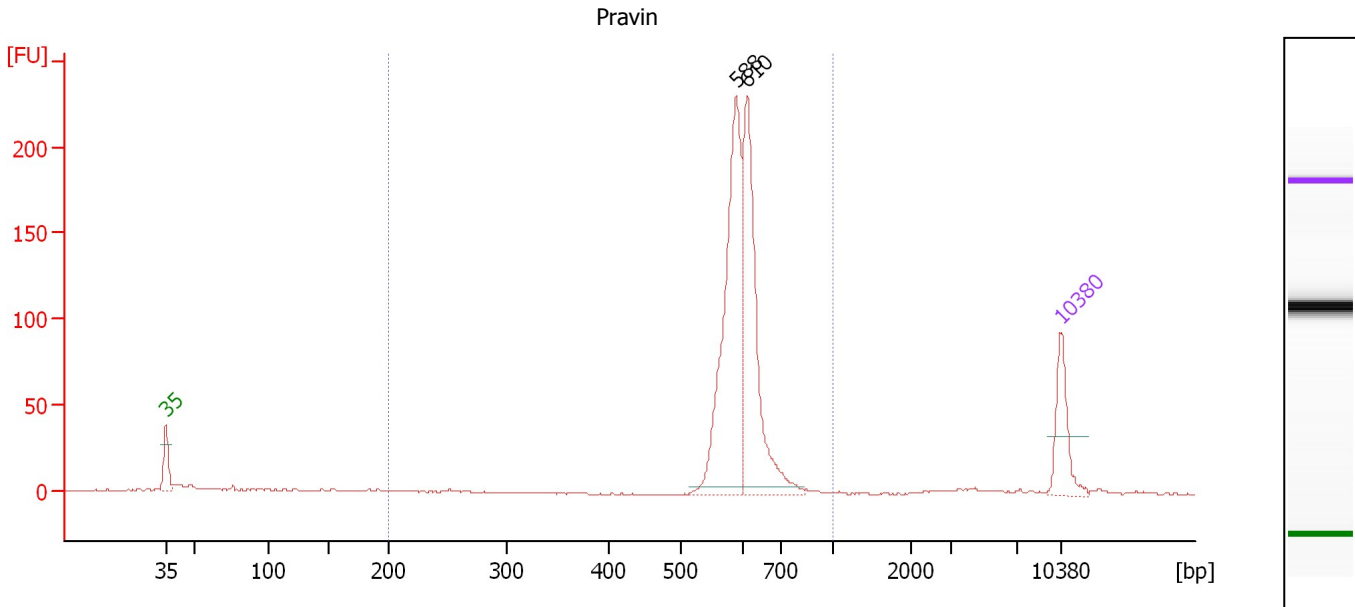
Region table for sample 3 : H223P

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 175 | 325 | 1,000 | 2,371.1 | 20,110.7 | 95 | 27.9 | 3,971.28 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-25\2015-09-25_001.xad

Created: 9/25/2015 12:08:48 PM
 Modified: 9/25/2015 1:04:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Pravin

Number of peaks found: 2 Corr. Area 1: 809.5
 Noise: 0.3

Peak table for sample 4 : Pravin

| 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 | 588 | 447.25 | 1,151.5 | | 87.57 |
| 3 | 610 | 366.81 | 911.3 | | 88.42 |
| 4 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

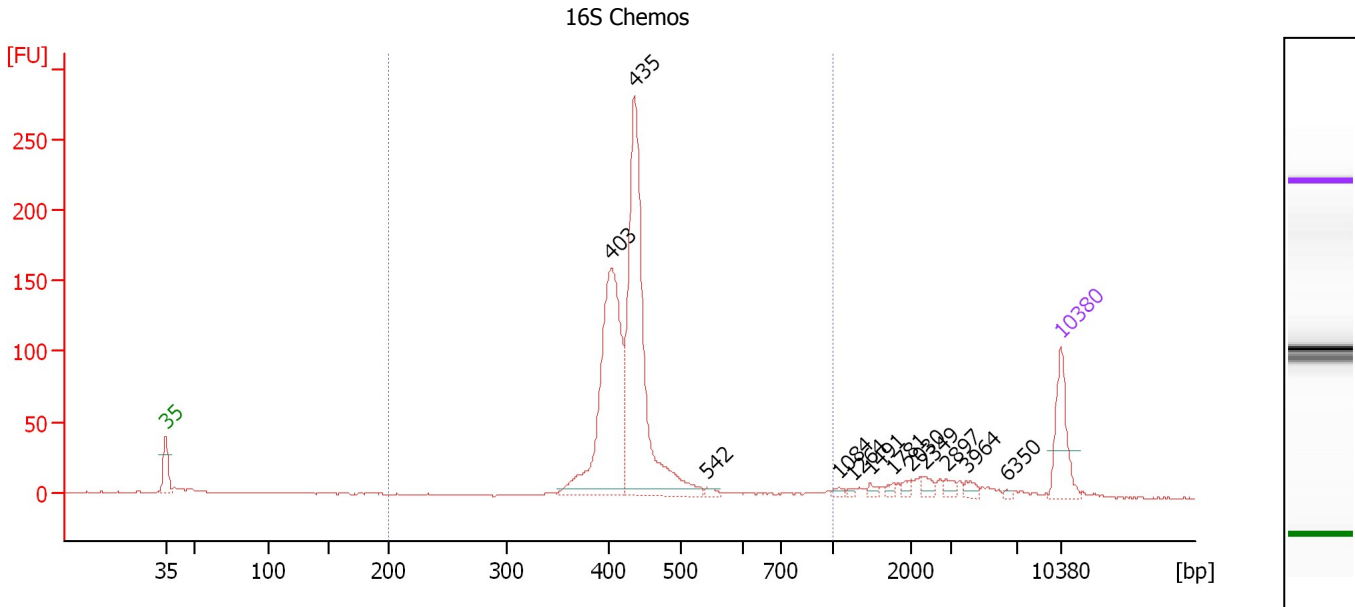
Region table for sample 4 : Pravin

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 200 | 594 | 1,000 | 809.5 | 2,392.3 | 81 | 12.7 | 892.53 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-25\2015-09-25_001.xad

Created: 9/25/2015 12:08:48 PM
 Modified: 9/25/2015 1:04:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 16S Chemos

Number of peaks found: 12 Corr. Area 1: 993.2
 Noise: 0.3

Peak table for sample 5 : 16S Chemos

| 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 | 403 | 459.33 | 1,725.2 | | 77.86 |
| 3 | 435 | 564.36 | 1,967.1 | | 79.63 |
| 4 | 542 | 7.64 | 21.4 | | 85.32 |
| 5 | 1,084 | 6.65 | 9.3 | | 95.60 |
| 6 | 1,264 | 3.34 | 4.0 | | 96.70 |
| 7 | 1,491 | 6.73 | 6.8 | | 98.08 |
| 8 | 1,781 | 5.97 | 5.1 | | 99.85 |
| 9 | 2,030 | 8.36 | 6.2 | | 101.29 |
| 10 | 2,349 | 11.33 | 7.3 | | 102.29 |
| 11 | 2,897 | 10.15 | 5.3 | | 104.01 |
| 12 | 3,964 | 10.21 | 3.9 | | 105.59 |
| 13 | 6,350 | 3.18 | 0.8 | | 108.70 |
| 14 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

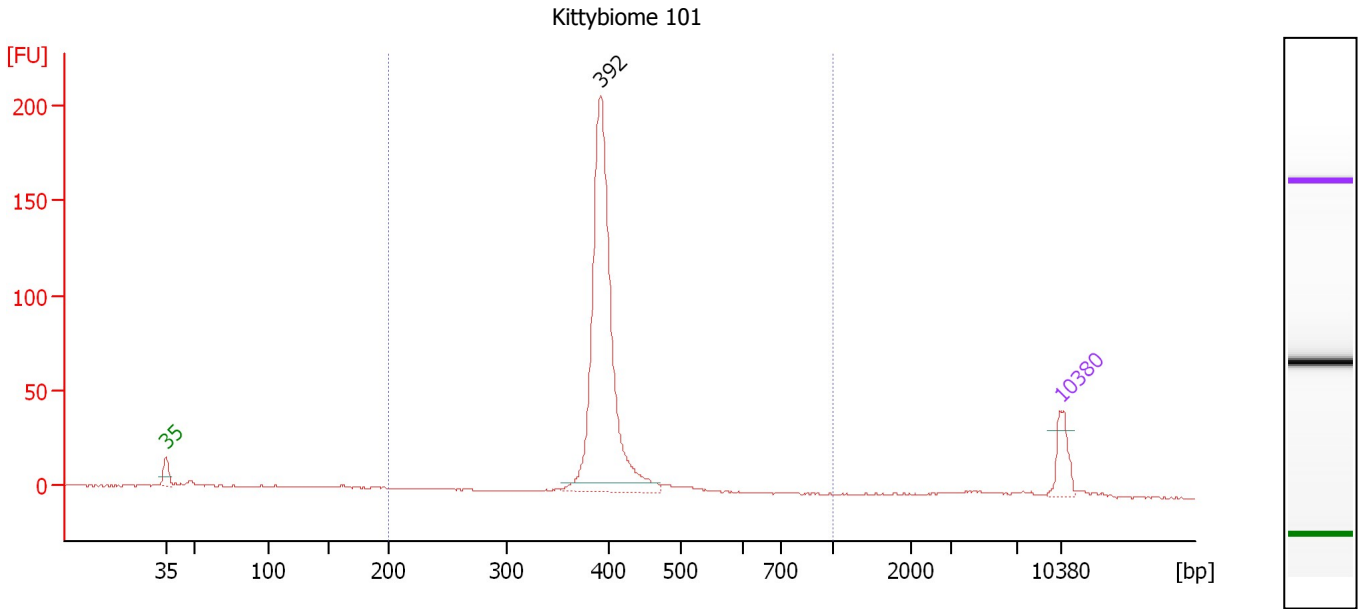
Region table for sample 5 : 16S Chemos

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 200 | 435 | 1,000 | 993.2 | 3,855.2 | 82 | 16.2 | 1,083.04 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-25\2015-09-25_001.xad

Created: 9/25/2015 12:08:48 PM
 Modified: 9/25/2015 1:04:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Kittybiome 101

Number of peaks found: 1 Corr. Area 1: 511.2
 Noise: 0.3

Peak table for sample 6 : Kittybiome 101

| 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 | 392 | 1,210.65 | 4,685.1 | | 76.99 |
| 3 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

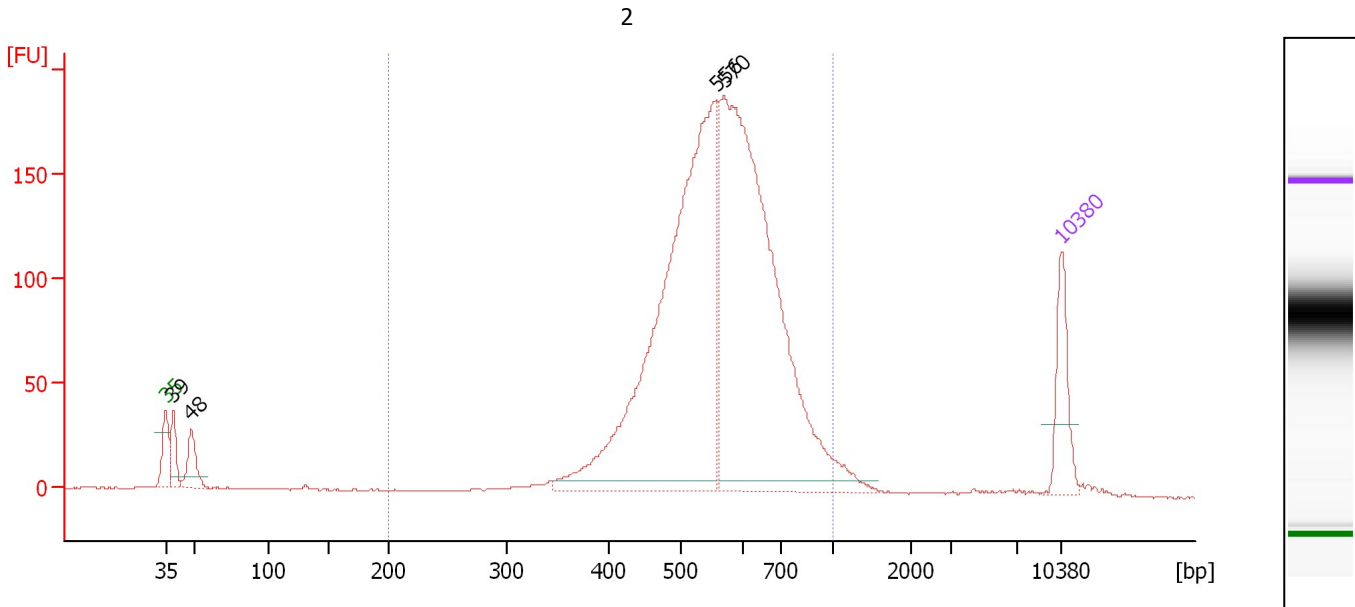
Region table for sample 6 : Kittybiome 101

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 200 | 401 | 1,000 | 511.2 | 4,896.0 | 88 | 10.6 | 1,279.26 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-25\2015-09-25_001.xad

Created: 9/25/2015 12:08:48 PM
 Modified: 9/25/2015 1:04:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 2

Number of peaks found: 4 Corr. Area 1: 2,310.9
 Noise: 0.2

Peak table for sample 7 : 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 | 39 | 61.18 | 2,389.7 | | 43.58 |
| 3 | 48 | 73.54 | 2,323.8 | | 44.98 |
| 4 | 556 | 996.06 | 2,715.2 | | 86.00 |
| 5 | 570 | 1,007.69 | 2,679.2 | | 86.68 |
| 6 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

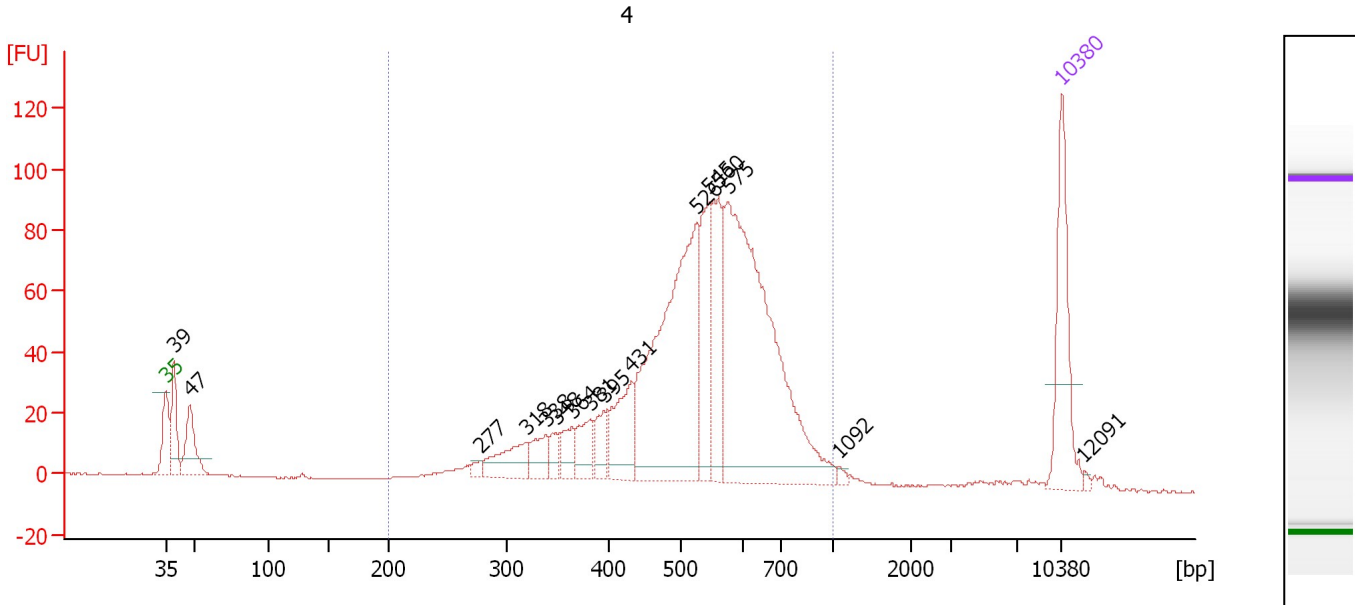
Region table for sample 7 : 2

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 200 | 569 | 1,000 | 2,310.9 | 5,908.1 | 92 | 19.3 | 2,111.56 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-25\2015-09-25_001.xad

Created: 9/25/2015 12:08:48 PM
 Modified: 9/25/2015 1:04:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 4

Number of peaks found: 16 Corr. Area 1: 1,383.8
 Noise: 0.2

Peak table for sample 8 : 4

| 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 | 39 | 58.82 | 2,276.9 | | 43.63 |
| 3 | 47 | 62.74 | 2,004.7 | | 44.90 |
| 4 | 277 | 7.42 | 40.6 | | 67.60 |
| 5 | 318 | 44.61 | 212.5 | | 71.15 |
| 6 | 338 | 27.21 | 121.9 | | 72.75 |
| 7 | 348 | 15.73 | 68.5 | | 73.53 |
| 8 | 364 | 25.81 | 107.5 | | 74.79 |
| 9 | 381 | 32.75 | 130.2 | | 76.15 |
| 10 | 395 | 26.75 | 102.6 | | 77.27 |
| 11 | 431 | 65.84 | 231.5 | | 79.41 |
| 12 | 526 | 317.80 | 915.7 | | 84.56 |
| 13 | 545 | 81.94 | 227.8 | | 85.49 |
| 14 | 560 | 91.87 | 248.5 | | 86.22 |
| 15 | 575 | 403.96 | 1,063.7 | | 86.94 |
| 16 | 1,092 | 3.27 | 4.5 | | 95.65 |
| 17 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 18 | 12,091 | 0.00 | 0.0 | | 114.75 |

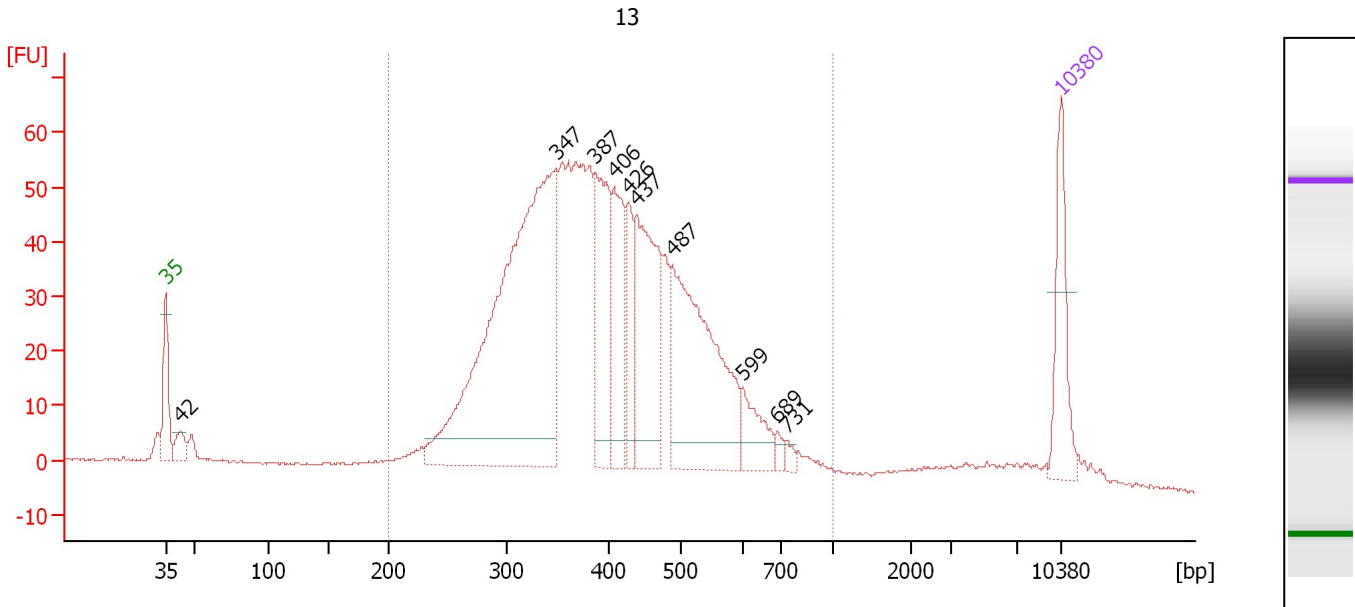
Region table for sample 8 : 4

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 200 | 532 | 1,000 | 1,383.8 | 3,853.8 | 89 | 23.8 | 1,230.17 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-25\2015-09-25_001.xad

Created: 9/25/2015 12:08:48 PM
 Modified: 9/25/2015 1:04:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 13

Number of peaks found: 10 Corr. Area 1: 1,297.2
 Noise: 0.2

Peak table for sample 9 : 13

| 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 | 42 | 29.33 | 1,047.3 | | 44.13 |
| 3 | 347 | 774.30 | 3,376.6 | | 73.49 |
| 4 | 387 | 164.68 | 645.5 | | 76.59 |
| 5 | 406 | 127.72 | 476.2 | | 78.02 |
| 6 | 426 | 71.07 | 252.5 | | 79.16 |
| 7 | 437 | 214.44 | 743.6 | | 79.75 |
| 8 | 487 | 322.63 | 1,002.8 | | 82.61 |
| 9 | 599 | 52.69 | 133.2 | | 88.09 |
| 10 | 689 | 9.38 | 20.6 | | 90.80 |
| 11 | 731 | 7.51 | 15.6 | | 91.54 |
| 12 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

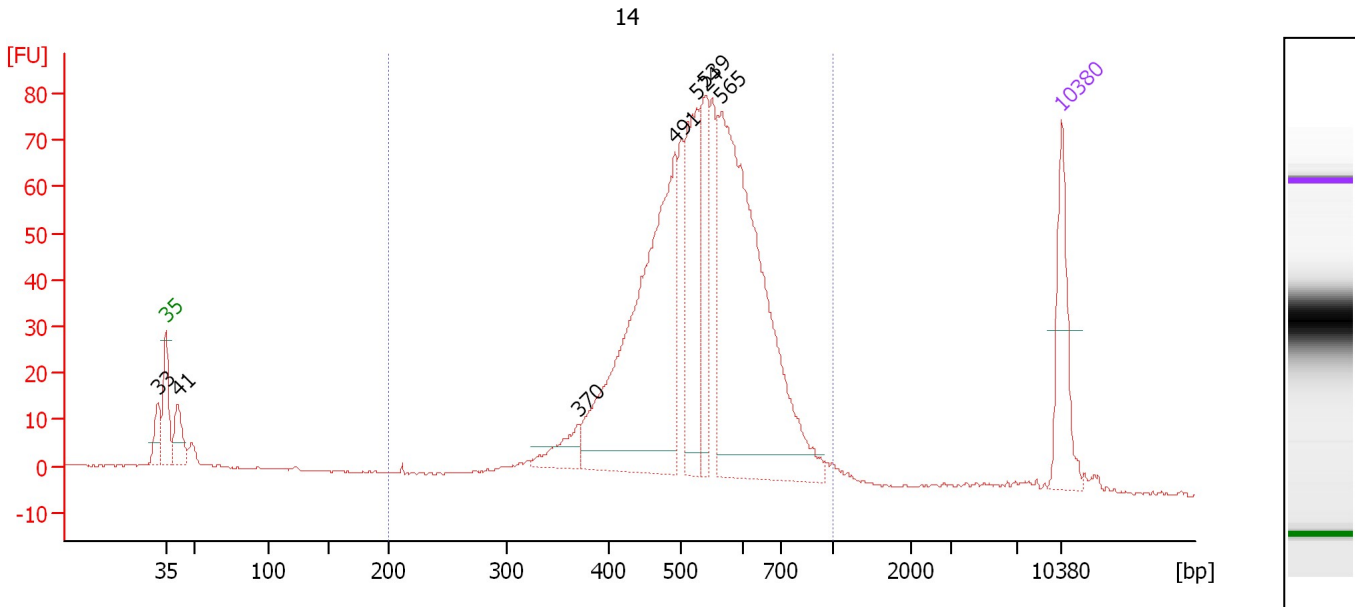
Region table for sample 9 : 13

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 200 | 411 | 1,000 | 1,297.2 | 9,836.0 | 91 | 27.3 | 2,434.79 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-25\2015-09-25_001.xad

Created: 9/25/2015 12:08:48 PM
 Modified: 9/25/2015 1:04:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 14

Number of peaks found: 7 Corr. Area 1: 1,085.6
 Noise: 0.2

Peak table for sample 10 : 14

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 33 | 0.00 | 0.0 | | 42.35 |
| 2 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 3 | 41 | 53.68 | 1,974.2 | | 43.95 |
| 4 | 370 | 41.25 | 168.9 | | 75.28 |
| 5 | 491 | 495.27 | 1,528.5 | | 82.81 |
| 6 | 524 | 173.89 | 503.2 | | 84.45 |
| 7 | 539 | 107.55 | 302.3 | | 85.20 |
| 8 | 565 | 545.16 | 1,461.9 | | 86.44 |
| 9 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

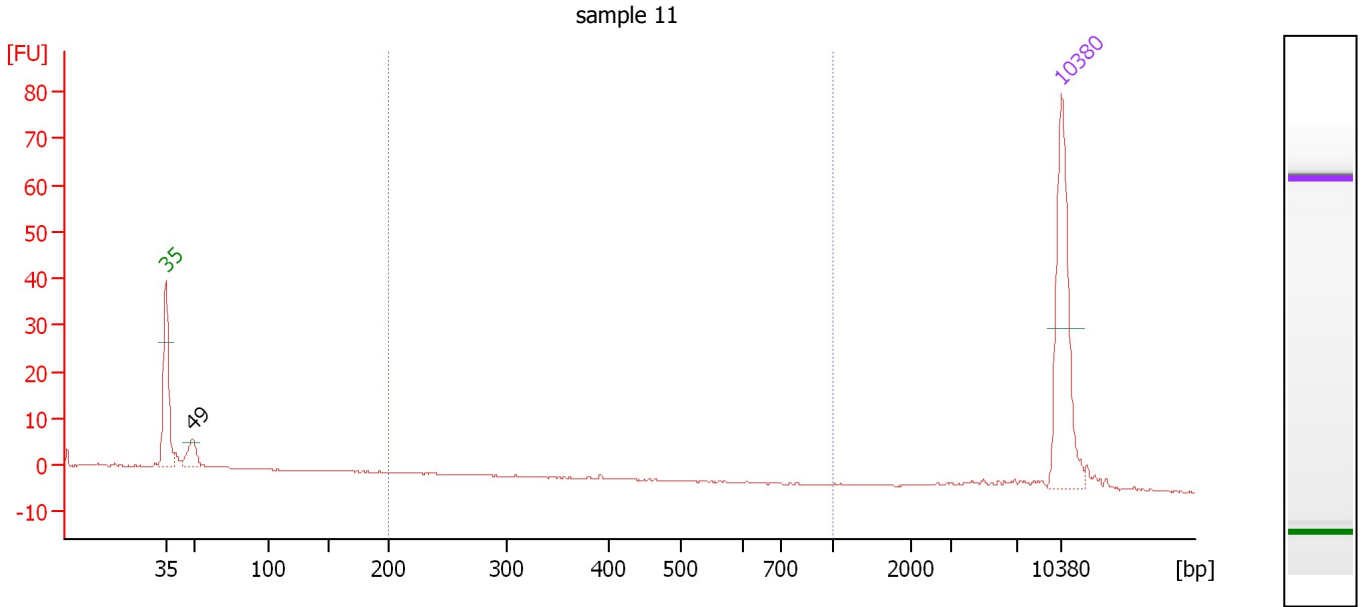
Region table for sample 10 : 14

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 200 | 533 | 1,000 | 1,085.6 | 4,957.0 | 91 | 19.9 | 1,646.37 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-25\2015-09-25_001.xad

Created: 9/25/2015 12:08:48 PM
 Modified: 9/25/2015 1:04:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

Number of peaks found: 1 Corr. Area 1: 5.6
 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 | 49 | 19.76 | 616.5 | | 45.07 |
| 3 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

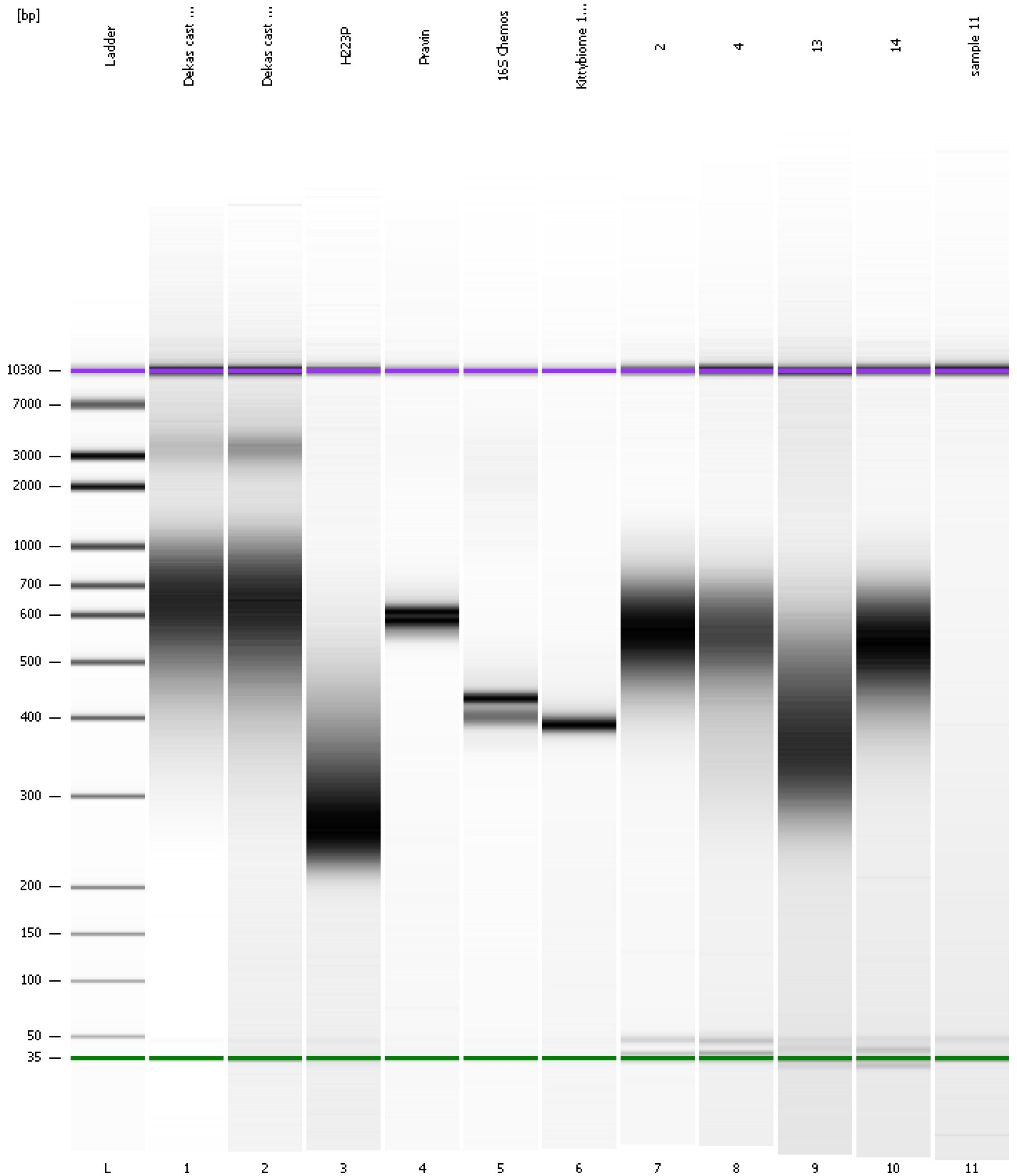
Region table for sample 11 : sample 11

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 200 | 348 | 1,000 | 5.6 | 42.3 | 9 | 44.8 | 8.05 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-25\2015-09-25_001.xad

Created: 9/25/2015 12:08:48 PM
Modified: 9/25/2015 1:04:00 PM

Gel Image

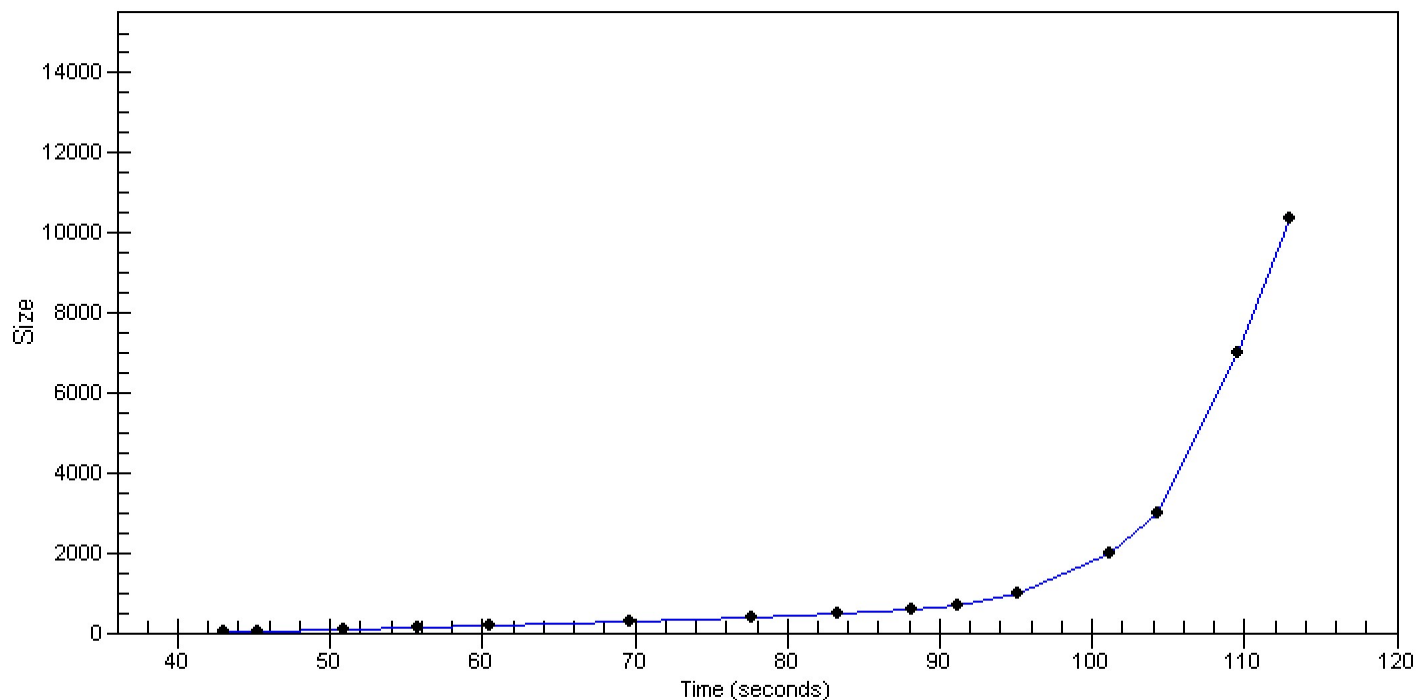


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-25\2015-09-25_001.xad

Created: 9/25/2015 12:08:48 PM
Modified: 9/25/2015 1:04:00 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-09-25\2015-09-25_001.xad

Created: 9/25/2015 12:08:48 PM
 Modified: 9/25/2015 1:04:00 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 | | 9/25/2015 12:50:07 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-09-25\2015-09-25_001.xad) | | Instrument | Run | | 9/25/2015 12:08:54 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 9/25/2015 12:08:54 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 9/25/2015 12:08:54 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 9/25/2015 12:08:54 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 9/25/2015 12:08:54 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 9/25/2015 12:08:54 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 9/25/2015 12:08:54 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |