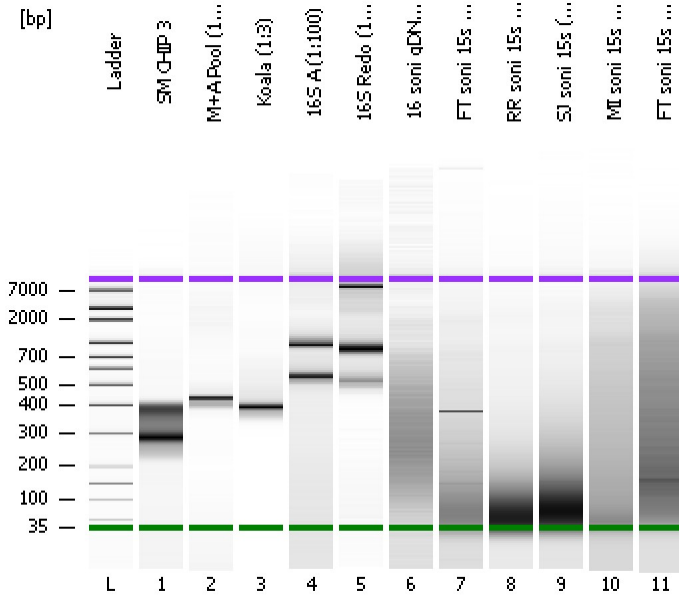


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_001.xad

Created: 3/21/2016 12:20:34 PM
Modified: 3/21/2016 1:03:16 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

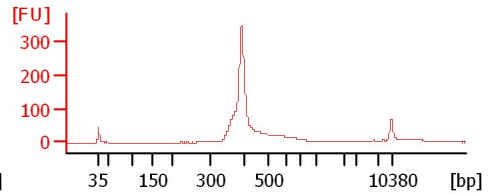
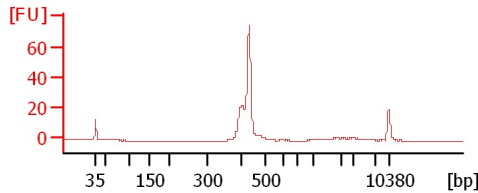
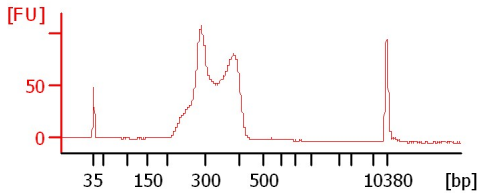
Chip Information:

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

SM CHIP 3

M+A Pool (1:2)

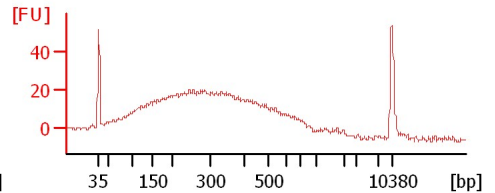
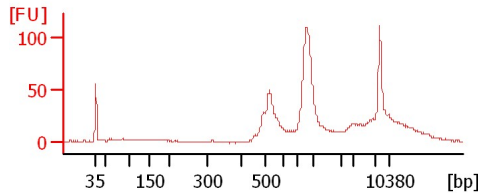
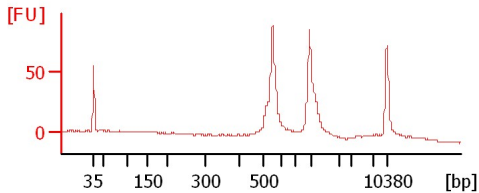
Koala (1:3)



16S A (1:100)

16S Redo (1:70)

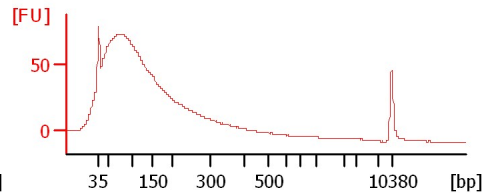
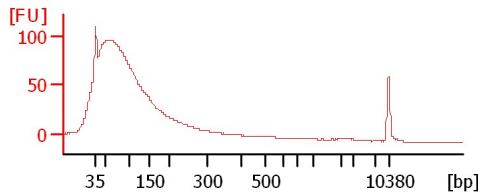
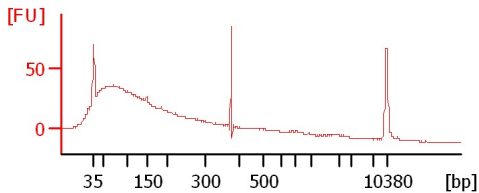
16 soni gDNA (75sec) (1:5)



FT soni 15s (1:5)

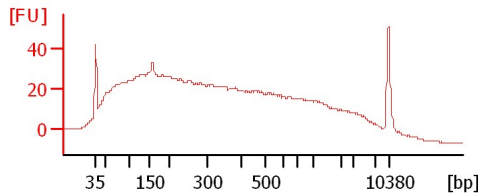
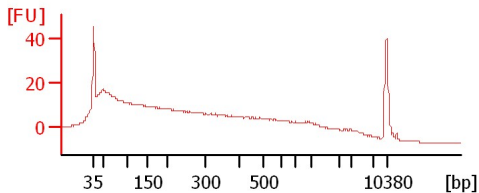
RR soni 15s (1:5)

SJ soni 15s (1:5)



MI soni 15s (1:5)

FT soni 15s (1:5)



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_001.xad

Created: 3/21/2016 12:20:34 PM
 Modified: 3/21/2016 1:03:16 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|----------------------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| SM CHIP 3 | | <input type="checkbox"/> | ✓ | | | |
| M+A Pool (1:2) | | <input type="checkbox"/> | ✓ | | | |
| Koala (1:3) | | <input type="checkbox"/> | ✓ | | | |
| 16S A (1:100) | | <input type="checkbox"/> | ✓ | | | |
| 16S Redo (1:70) | | <input type="checkbox"/> | ✓ | | | |
| 16 soni gDNA (75sec) (1:5) | | <input type="checkbox"/> | ✓ | | | |
| FT soni 15s (1:5) | | <input type="checkbox"/> | ✓ | | | |
| RR soni 15s (1:5) | | <input type="checkbox"/> | ✓ | | | |
| SJ soni 15s (1:5) | | <input type="checkbox"/> | ✓ | | | |
| MI soni 15s (1:5) | | <input type="checkbox"/> | ✓ | | | |
| FT soni 15s (1:5) | | <input type="checkbox"/> | ✓ | | | |
| Ladder | | <input type="checkbox"/> | ✓ | | | |

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_001.xad

Created: 3/21/2016 12:20:34 PM
Modified: 3/21/2016 1:03:16 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

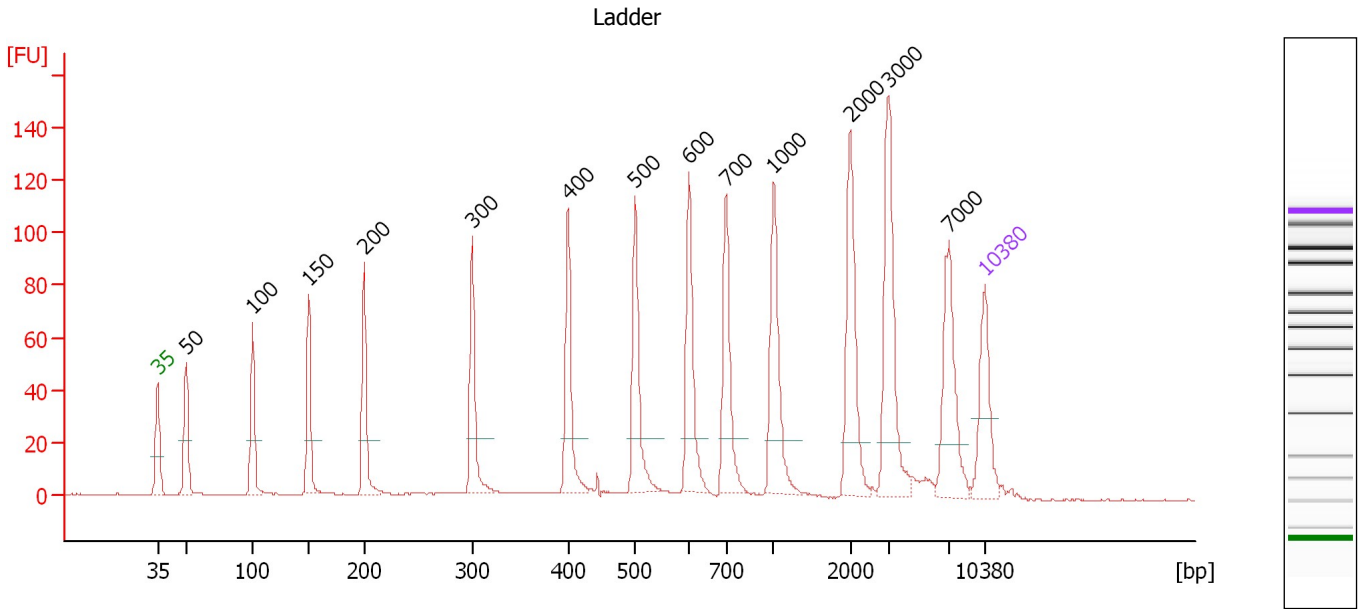
Ladder

| 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:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_001.xad

Created: 3/21/2016 12:20:34 PM
 Modified: 3/21/2016 1:03:16 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

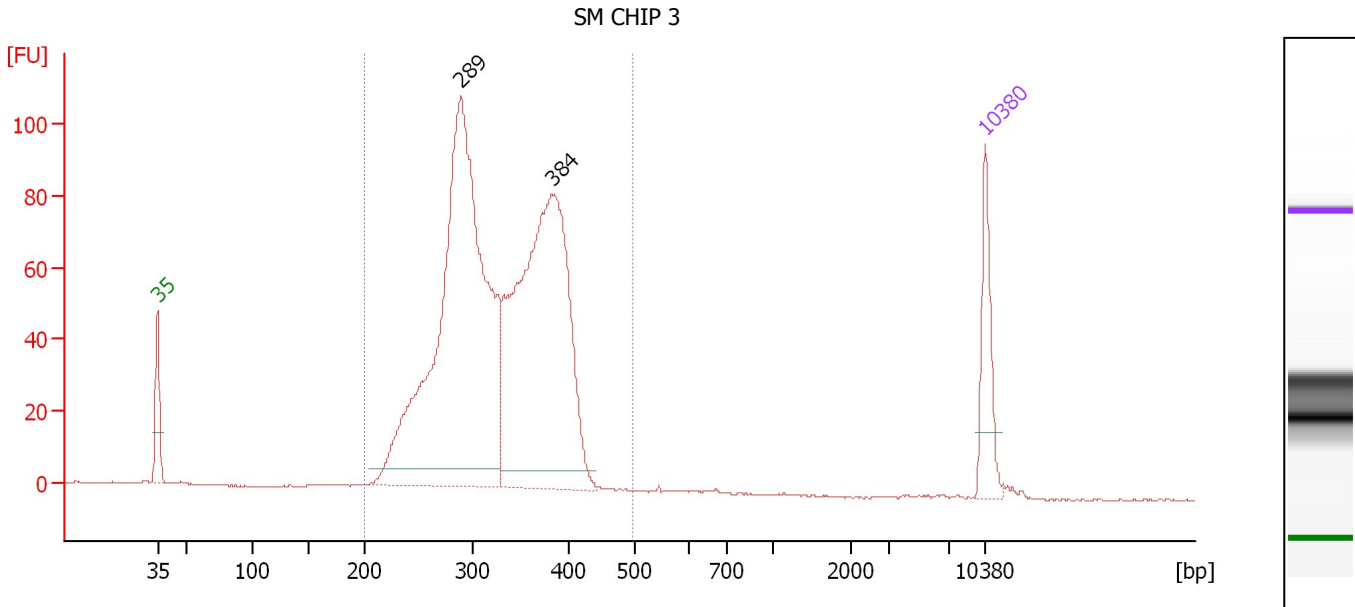
Peak table for Ladder

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 2 | 50 | 150.00 | 4,545.5 | Ladder Peak | 45.43 |
| 3 | 100 | 150.00 | 2,272.7 | Ladder Peak | 51.05 |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak | 55.77 |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak | 60.49 |
| 6 | 300 | 150.00 | 757.6 | Ladder Peak | 69.63 |
| 7 | 400 | 150.00 | 568.2 | Ladder Peak | 77.73 |
| 8 | 500 | 150.00 | 454.5 | Ladder Peak | 83.39 |
| 9 | 600 | 150.00 | 378.8 | Ladder Peak | 87.96 |
| 10 | 700 | 150.00 | 324.7 | Ladder Peak | 91.09 |
| 11 | 1,000 | 150.00 | 227.3 | Ladder Peak | 95.11 |
| 12 | 2,000 | 150.00 | 113.6 | Ladder Peak | 101.57 |
| 13 | 3,000 | 150.00 | 75.8 | Ladder Peak | 104.80 |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak | 109.97 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_001.xad

Created: 3/21/2016 12:20:34 PM
 Modified: 3/21/2016 1:03:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : SM CHIP 3

Number of peaks found: 2 Corr. Area 1: 1,294.4
 Noise: 0.2

Peak table for sample 1 : SM CHIP 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 | 289 | 1,130.54 | 5,918.9 | | 68.66 |
| 3 | 384 | 784.54 | 3,099.3 | | 76.39 |
| 4 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

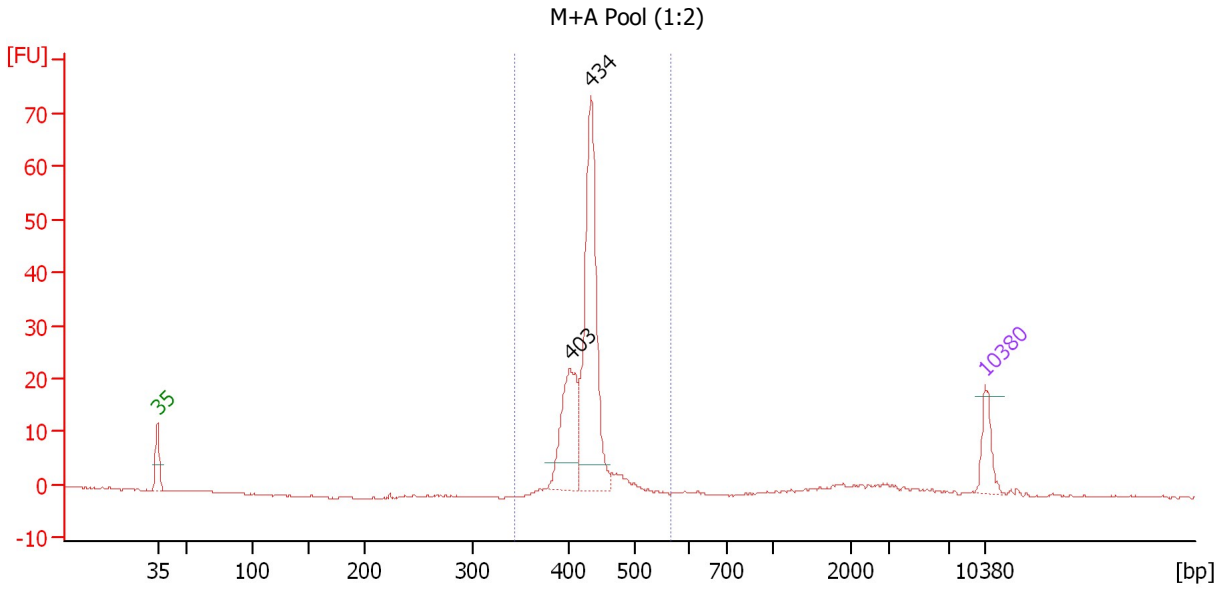
Region table for sample 1 : SM CHIP 3

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 495 | 326 | 1,294.4 | 9,462.7 | 1,974.66 | 98 | 15.3 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_001.xad

Created: 3/21/2016 12:20:34 PM
 Modified: 3/21/2016 1:03:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : M+A Pool (1:2)

Number of peaks found: 2 Corr. Area 1: 163.1
 Noise: 0.1

Peak table for sample 2 : M+A Pool (1:2)

| 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 | 403 | 309.68 | 1,164.1 | | 77.90 |
| 3 | 434 | 691.57 | 2,413.9 | | 79.66 |
| 4 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

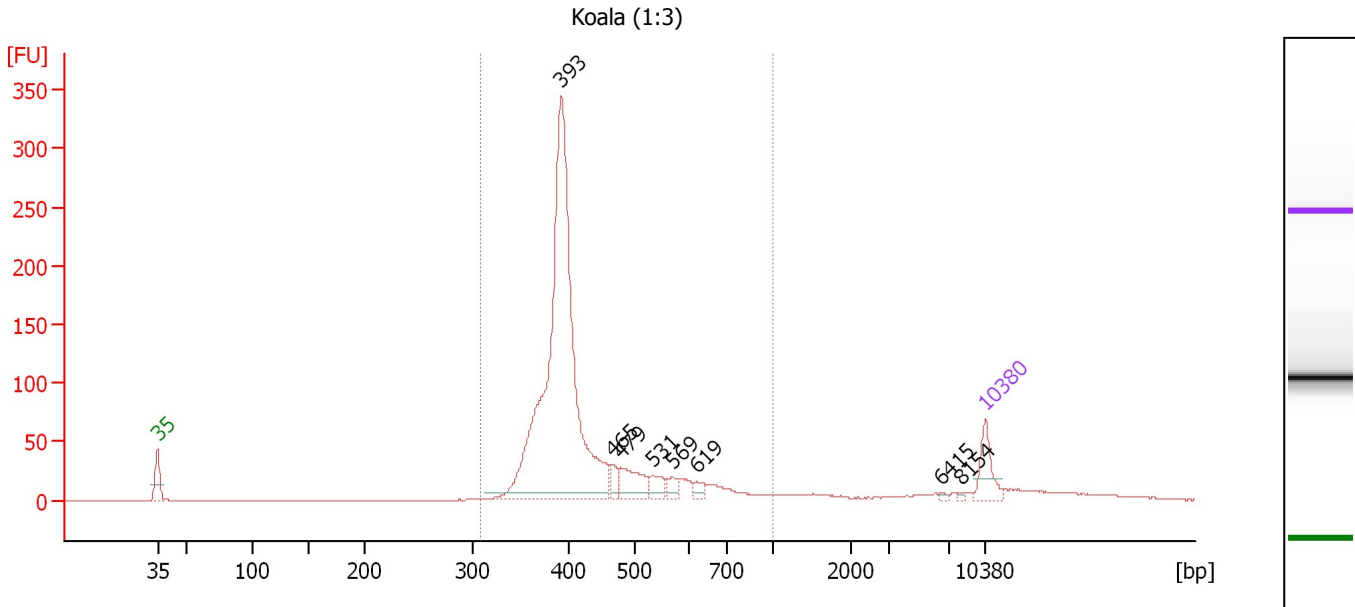
Region table for sample 2 : M+A Pool (1:2)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 343 | 568 | 427 | 163.1 | 3,786.1 | 1,064.83 | 88 | 5.1 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_001.xad

Created: 3/21/2016 12:20:34 PM
 Modified: 3/21/2016 1:03:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Koala (1:3)

Number of peaks found: 8 Corr. Area 1: 1,308.3
 Noise: 0.2

Peak table for sample 3 : Koala (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 | 393 | 1,755.11 | 6,772.9 | | 77.13 |
| 3 | 465 | 41.05 | 133.7 | | 81.43 |
| 4 | 479 | 115.83 | 366.5 | | 82.20 |
| 5 | 531 | 51.88 | 148.0 | | 84.81 |
| 6 | 569 | 31.31 | 83.4 | | 86.55 |
| 7 | 619 | 24.56 | 60.2 | | 88.54 |
| 8 | 6,415 | 4.98 | 1.2 | | 109.21 |
| 9 | 8,154 | 4.83 | 0.9 | | 111.00 |
| 10 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

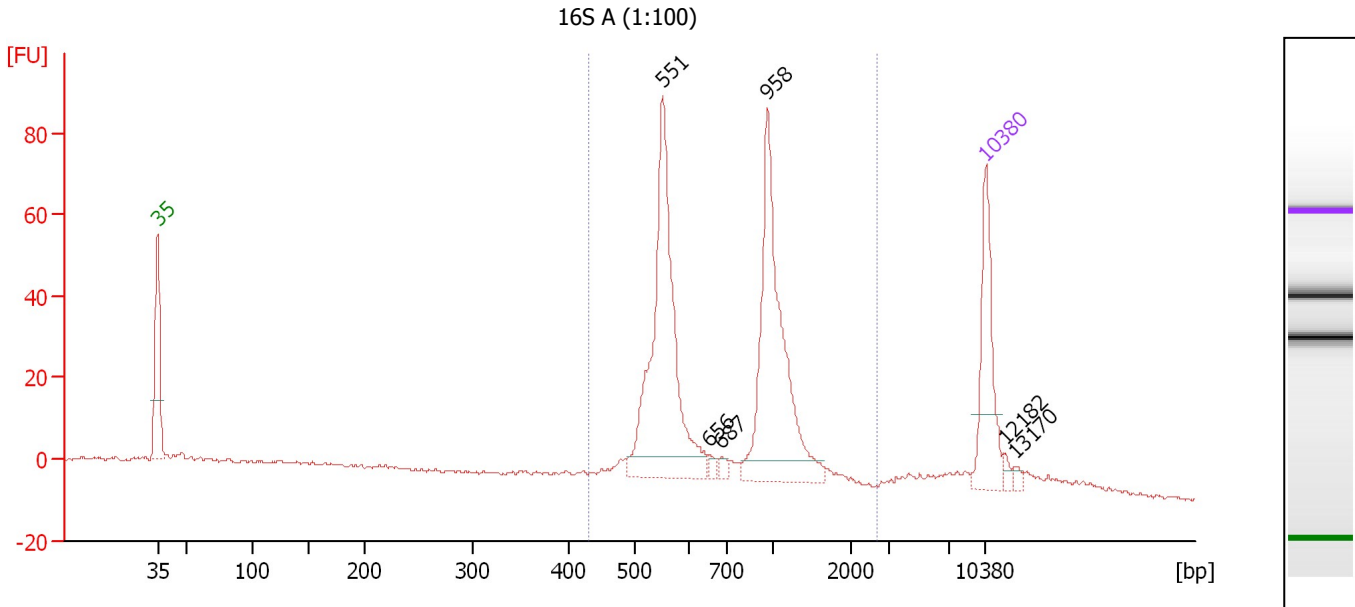
Region table for sample 3 : Koala (1:3)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 309 | 1,000 | 431 | 1,308.3 | 7,934.8 | 2,167.66 | 91 | 21.5 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_001.xad

Created: 3/21/2016 12:20:34 PM
 Modified: 3/21/2016 1:03:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 16S A (1:100)

Number of peaks found: 6 Corr. Area 1: 424.7
 Noise: 0.4

Peak table for sample 4 : 16S A (1:100)

| 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 | 551 | 283.69 | 779.5 | | 85.74 |
| 3 | 656 | 6.15 | 14.2 | | 89.70 |
| 4 | 687 | 6.44 | 14.2 | | 90.69 |
| 5 | 958 | 222.97 | 352.7 | | 94.55 |
| 6 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 7 | 12,182 | 0.00 | 0.0 | | 114.62 |
| 8 | 13,170 | 0.00 | 0.0 | | 115.50 |

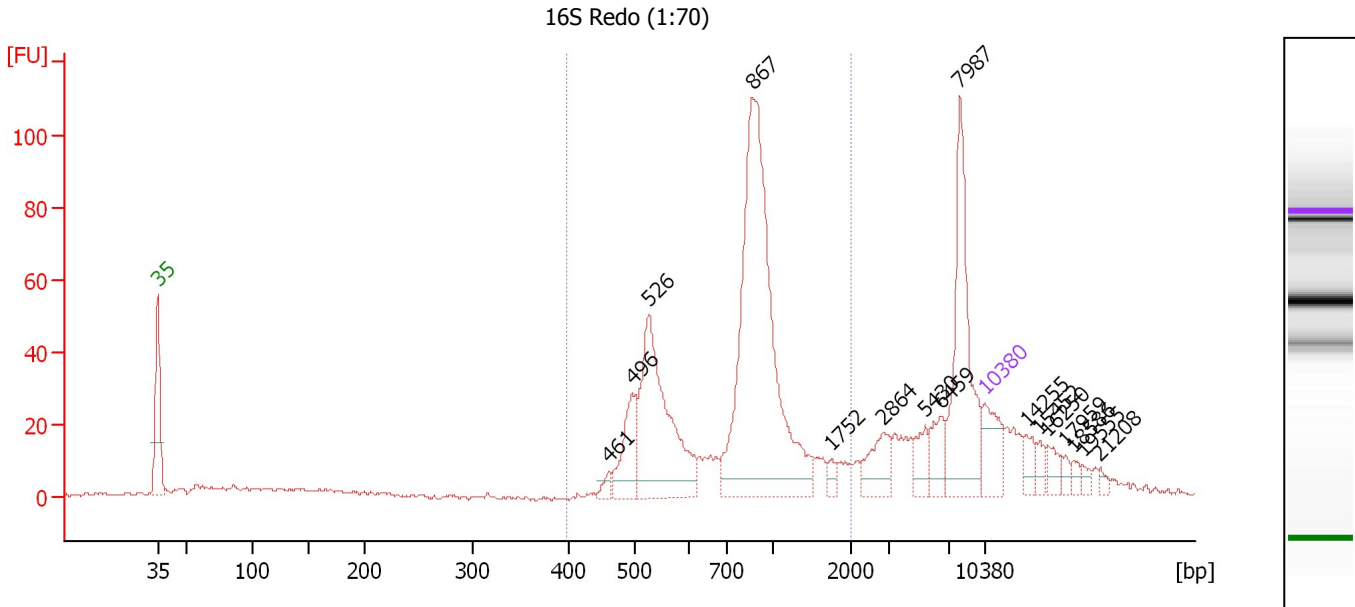
Region table for sample 4 : 16S A (1:100)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 430 | 2,695 | 805 | 424.7 | 1,165.7 | 533.56 | 87 | 36.8 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_001.xad

Created: 3/21/2016 12:20:34 PM
 Modified: 3/21/2016 1:03:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 16S Redo (1:70)

Number of peaks found: 16 Corr. Area 1: 596.8
 Noise: 0.6

Peak table for sample 5 : 16S Redo (1:70)

| 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 | 461 | 19.24 | 63.3 | | 81.17 |
| 3 | 496 | 126.44 | 386.3 | | 83.16 |
| 4 | 526 | 423.49 | 1,219.2 | | 84.59 |
| 5 | 867 | 883.59 | 1,544.5 | | 93.33 |
| 6 | 1,752 | 14.99 | 13.0 | | 99.97 |
| 7 | 2,864 | 73.70 | 39.0 | | 104.36 |
| 8 | 5,430 | 42.97 | 12.0 | | 107.94 |
| 9 | 6,459 | 54.99 | 12.9 | | 109.27 |
| 10 | 7,987 | 276.25 | 52.4 | | 110.85 |
| 11 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 12 | 14,255 | 0.00 | 0.0 | | 116.47 |
| 13 | 15,452 | 0.00 | 0.0 | | 117.55 |
| 14 | 16,250 | 0.00 | 0.0 | | 118.26 |
| 15 | 17,959 | 0.00 | 0.0 | | 119.80 |
| 16 | 18,586 | 0.00 | 0.0 | | 120.36 |
| 17 | 19,555 | 0.00 | 0.0 | | 121.23 |
| 18 | 21,208 | 0.00 | 0.0 | | 122.71 |

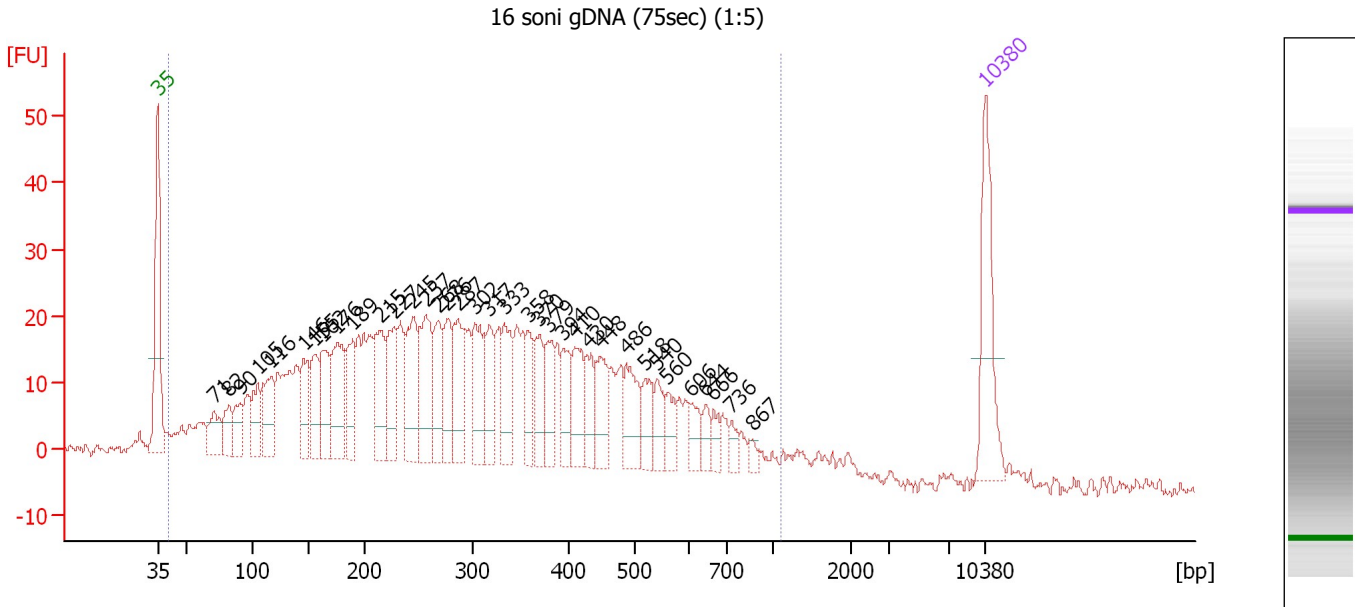
Region table for sample 5 : 16S Redo (1:70)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|------------------|------------|-----------------------------|
| 399 | 2,007 | 838 | 596.8 | 3,105.8 | 1,491.90 | 60 | 36.5 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_001.xad

Created: 3/21/2016 12:20:34 PM
 Modified: 3/21/2016 1:03:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 16 soni gDNA (75sec) (1:5)

Number of peaks found: 36 Corr. Area 1: 1,025.9
 Noise: 1.1

Peak table for sample 6 : 16 soni gDNA (75sec) (1:5)

| 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 | 71 | 40.55 | 870.5 | | 47.74 |
| 3 | 82 | 35.26 | 651.8 | | 49.02 |
| 4 | 90 | 34.59 | 582.0 | | 49.93 |
| 5 | 105 | 43.30 | 627.5 | | 51.48 |
| 6 | 116 | 65.08 | 851.3 | | 52.54 |
| 7 | 146 | 52.38 | 544.5 | | 55.37 |
| 8 | 155 | 53.81 | 524.7 | | 56.27 |
| 9 | 162 | 62.85 | 587.3 | | 56.91 |
| 10 | 176 | 94.99 | 819.1 | | 58.19 |
| 11 | 189 | 54.88 | 439.4 | | 59.47 |
| 12 | 215 | 75.86 | 535.6 | | 61.82 |
| 13 | 227 | 71.44 | 476.0 | | 62.99 |
| 14 | 245 | 83.47 | 516.4 | | 64.59 |
| 15 | 257 | 90.48 | 533.2 | | 65.71 |
| 16 | 268 | 57.09 | 322.5 | | 66.72 |
| 17 | 276 | 53.19 | 291.6 | | 67.47 |
| 18 | 287 | 62.63 | 330.8 | | 68.43 |
| 19 | 302 | 65.15 | 326.5 | | 69.82 |
| 20 | 317 | 49.43 | 235.9 | | 71.04 |
| 21 | 333 | 60.59 | 275.5 | | 72.32 |
| 22 | 358 | 38.26 | 161.8 | | 74.35 |
| 23 | 370 | 46.87 | 191.9 | | 75.31 |
| 24 | 379 | 39.73 | 159.0 | | 76.00 |
| 25 | 394 | 38.32 | 147.2 | | 77.28 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_001.xad

Created: 3/21/2016 12:20:34 PM
 Modified: 3/21/2016 1:03:16 PM

Electropherogram Summary Continued ...

... Peak table for sample 6 : 16 soni gDNA (75sec) (1:5)

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 26 | 410 | 46.88 | 173.2 | | 78.29 |
| 27 | 430 | 34.86 | 122.9 | | 79.41 |
| 28 | 448 | 42.33 | 143.3 | | 80.43 |
| 29 | 486 | 50.16 | 156.3 | | 82.61 |
| 30 | 518 | 30.52 | 89.3 | | 84.21 |
| 31 | 540 | 27.79 | 77.9 | | 85.22 |
| 32 | 560 | 21.46 | 58.1 | | 86.13 |
| 33 | 606 | 19.89 | 49.7 | | 88.16 |
| 34 | 644 | 15.10 | 35.5 | | 89.33 |
| 35 | 666 | 14.69 | 33.4 | | 90.02 |
| 36 | 736 | 10.46 | 21.5 | | 91.57 |
| 37 | 867 | 7.15 | 12.5 | | 93.33 |
| 38 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

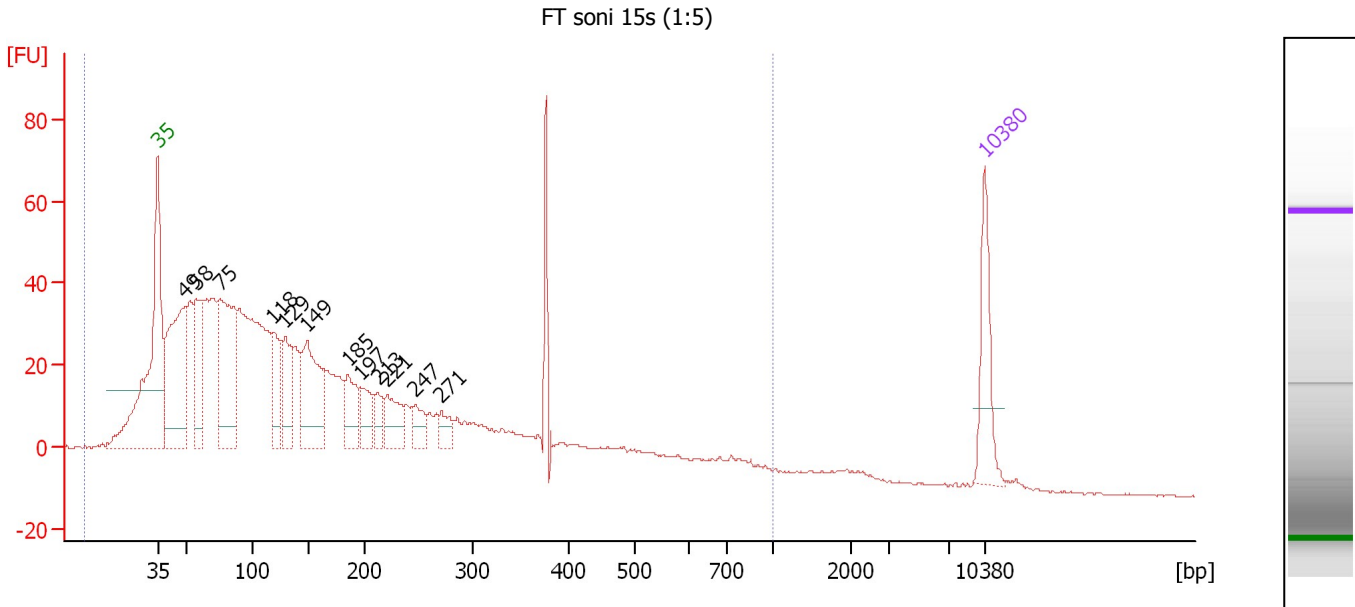
Region table for sample 6 : 16 soni gDNA (75sec) (1:5)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 41 | 1,081 | 326 | 1,025.9 | 18,829.0 | 2,446.28 | 95 | 52.4 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_001.xad

Created: 3/21/2016 12:20:34 PM
 Modified: 3/21/2016 1:03:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : FT soni 15s (1:5)

Number of peaks found: 12 Corr. Area 1: 1,284.6
 Noise: 0.2

Peak table for sample 7 : FT soni 15s (1:5)

| 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 | 49 | 312.43 | 9,654.4 | | 45.28 |
| 3 | 58 | 155.56 | 4,079.3 | | 46.31 |
| 4 | 75 | 291.35 | 5,873.2 | | 48.26 |
| 5 | 118 | 102.47 | 1,314.2 | | 52.76 |
| 6 | 129 | 105.99 | 1,244.5 | | 53.79 |
| 7 | 149 | 179.80 | 1,833.6 | | 55.63 |
| 8 | 185 | 78.38 | 640.8 | | 59.10 |
| 9 | 197 | 49.50 | 380.0 | | 60.24 |
| 10 | 213 | 31.36 | 223.3 | | 61.65 |
| 11 | 221 | 65.51 | 449.0 | | 62.41 |
| 12 | 247 | 35.90 | 220.1 | | 64.80 |
| 13 | 271 | 30.35 | 169.4 | | 67.02 |
| 14 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

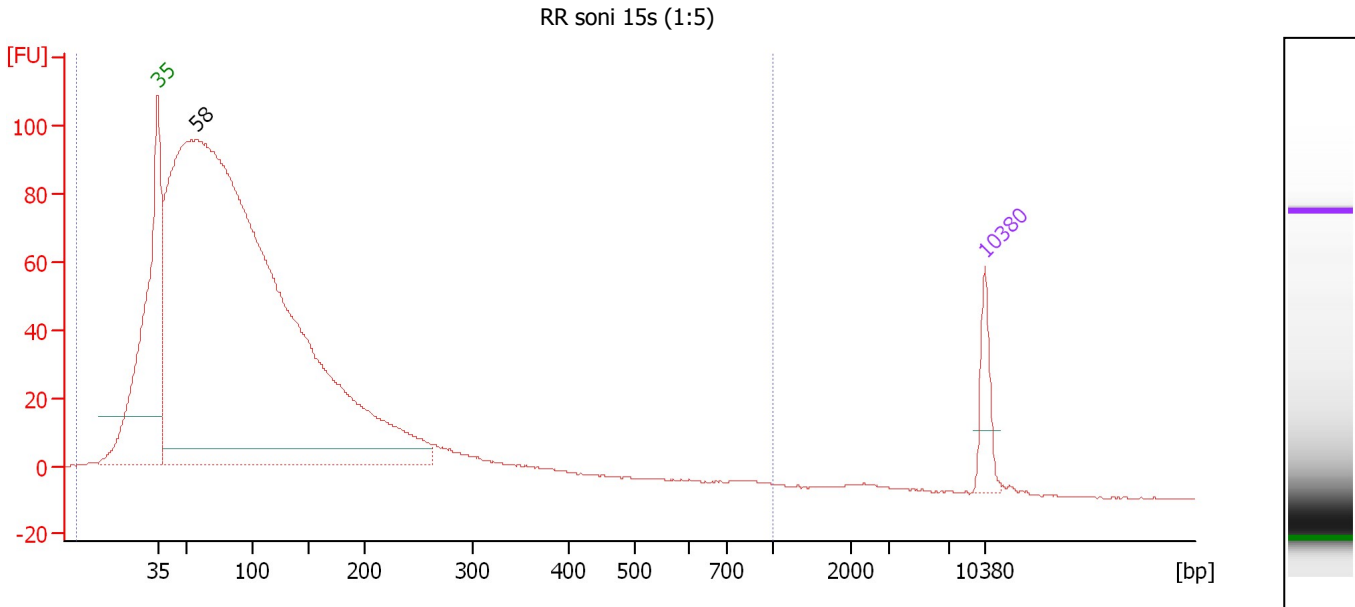
Region table for sample 7 : FT soni 15s (1:5)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|------------------|------------|-----------------------------|
| 0 | 1,000 | 176 | 1,284.6 | 48,772.1 | 3,094.50 | 99 | 87.3 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_001.xad

Created: 3/21/2016 12:20:34 PM
 Modified: 3/21/2016 1:03:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : RR soni 15s (1:5)

Number of peaks found: 1 Corr. Area 1: 2,226.3
 Noise: 0.1

Peak table for sample 8 : RR soni 15s (1:5)

| 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 | 58 | 6,439.95 | 169,367.1 | | 46.29 |
| 3 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

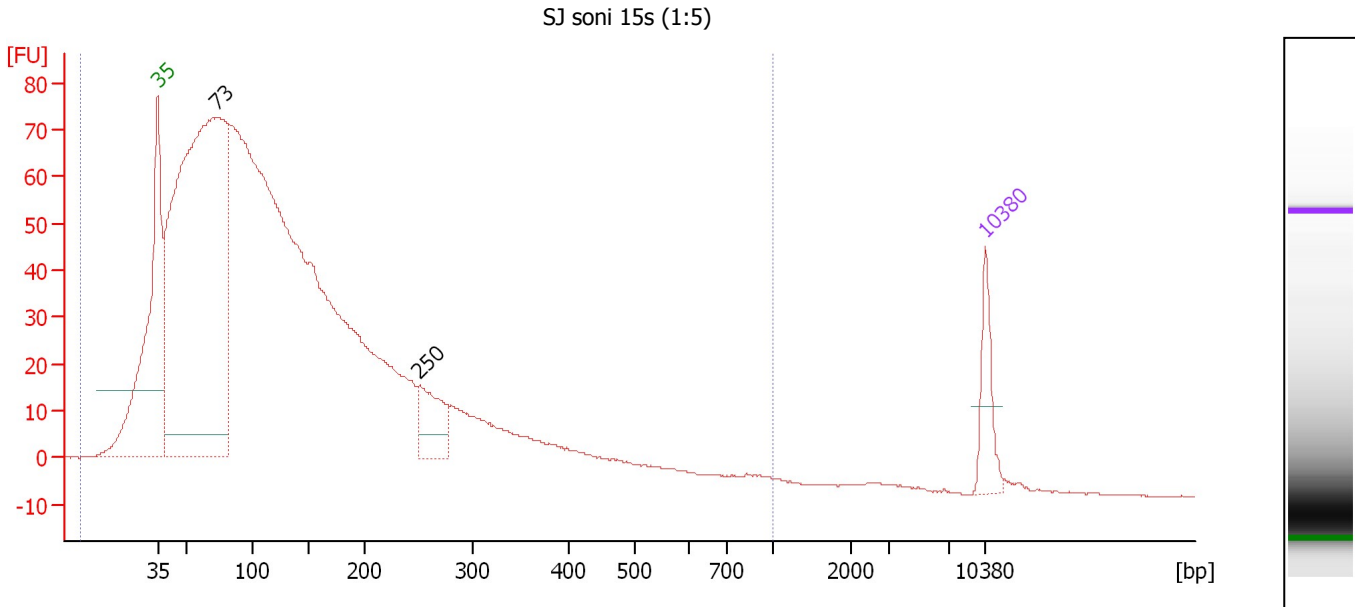
Region table for sample 8 : RR soni 15s (1:5)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 0 | 1,000 | 107 | 2,226.3 | 124,422.4 | 6,391.15 | 100 | 82.9 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_001.xad

Created: 3/21/2016 12:20:34 PM
 Modified: 3/21/2016 1:03:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : SJ soni 15s (1:5)

Number of peaks found: 2 Corr. Area 1: 2,073.3
 Noise: 0.2

Peak table for sample 9 : SJ soni 15s (1:5)

| 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 | 73 | 2,511.80 | 52,039.4 | | 48.03 |
| 3 | 250 | 146.23 | 886.1 | | 65.06 |
| 4 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Region table for sample 9 : SJ soni 15s (1:5)

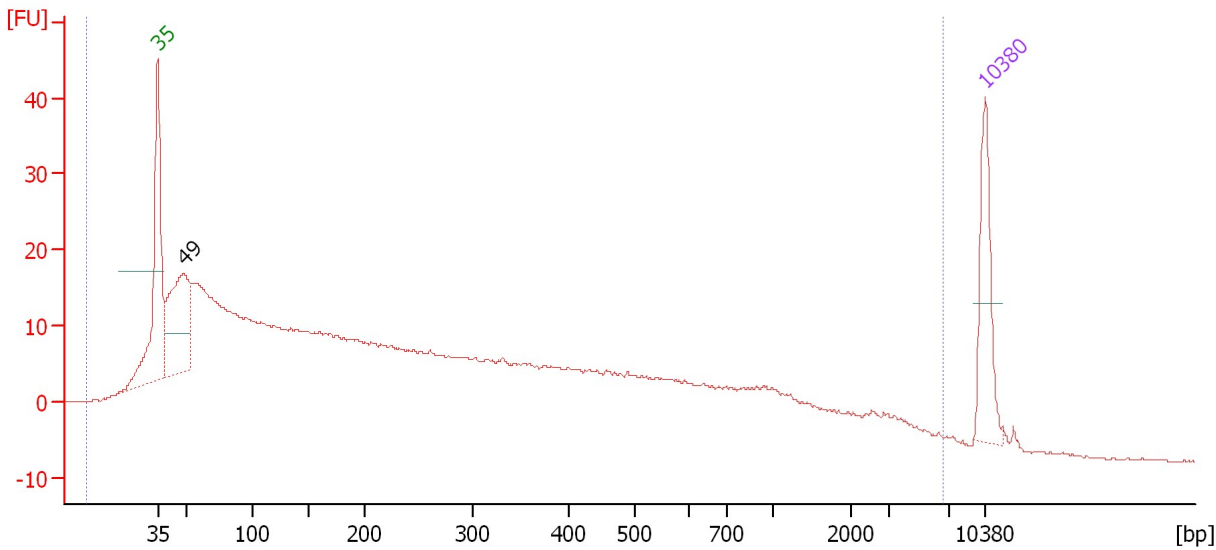
| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 0 | 1,000 | 136 | 2,073.3 | 119,791.1 | 7,080.90 | 100 | 77.4 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_001.xad

Created: 3/21/2016 12:20:34 PM
 Modified: 3/21/2016 1:03:16 PM

Electropherogram Summary Continued ...

MI soni 15s (1:5)



Overall Results for sample 10 : MI soni 15s (1:5)

Number of peaks found: 1 Corr. Area 1: 754.8
 Noise: 0.1

Peak table for sample 10 : MI soni 15s (1:5)

| 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 | 49 | 204.29 | 6,358.3 | | 45.22 |
| 3 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

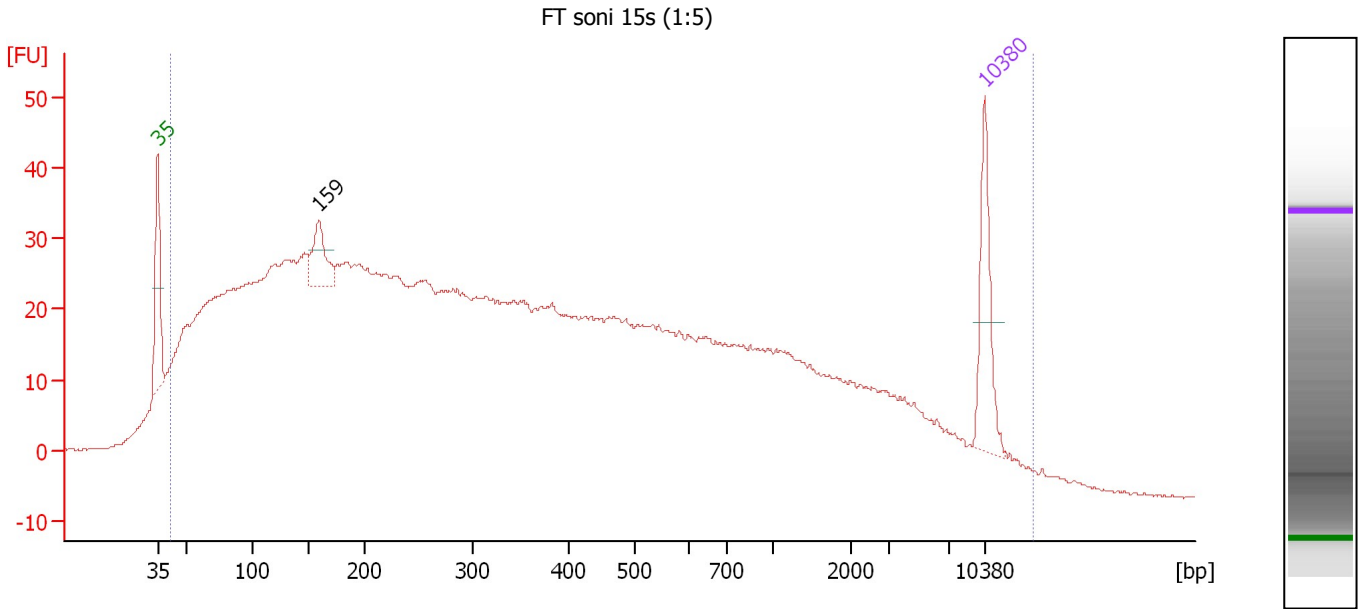
Region table for sample 10 : MI soni 15s (1:5)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 0 | 6,630 | 424 | 754.8 | 33,076.4 | 2,485.36 | 100 | 100.0 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_001.xad

Created: 3/21/2016 12:20:34 PM
 Modified: 3/21/2016 1:03:16 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : FT soni 15s (1:5)

Number of peaks found: 1 Corr. Area 1: 1,878.7
 Noise: 0.2

Peak table for sample 11 : FT soni 15s (1:5)

| 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 | 159 | 67.17 | 641.0 | | 56.60 |
| 3 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

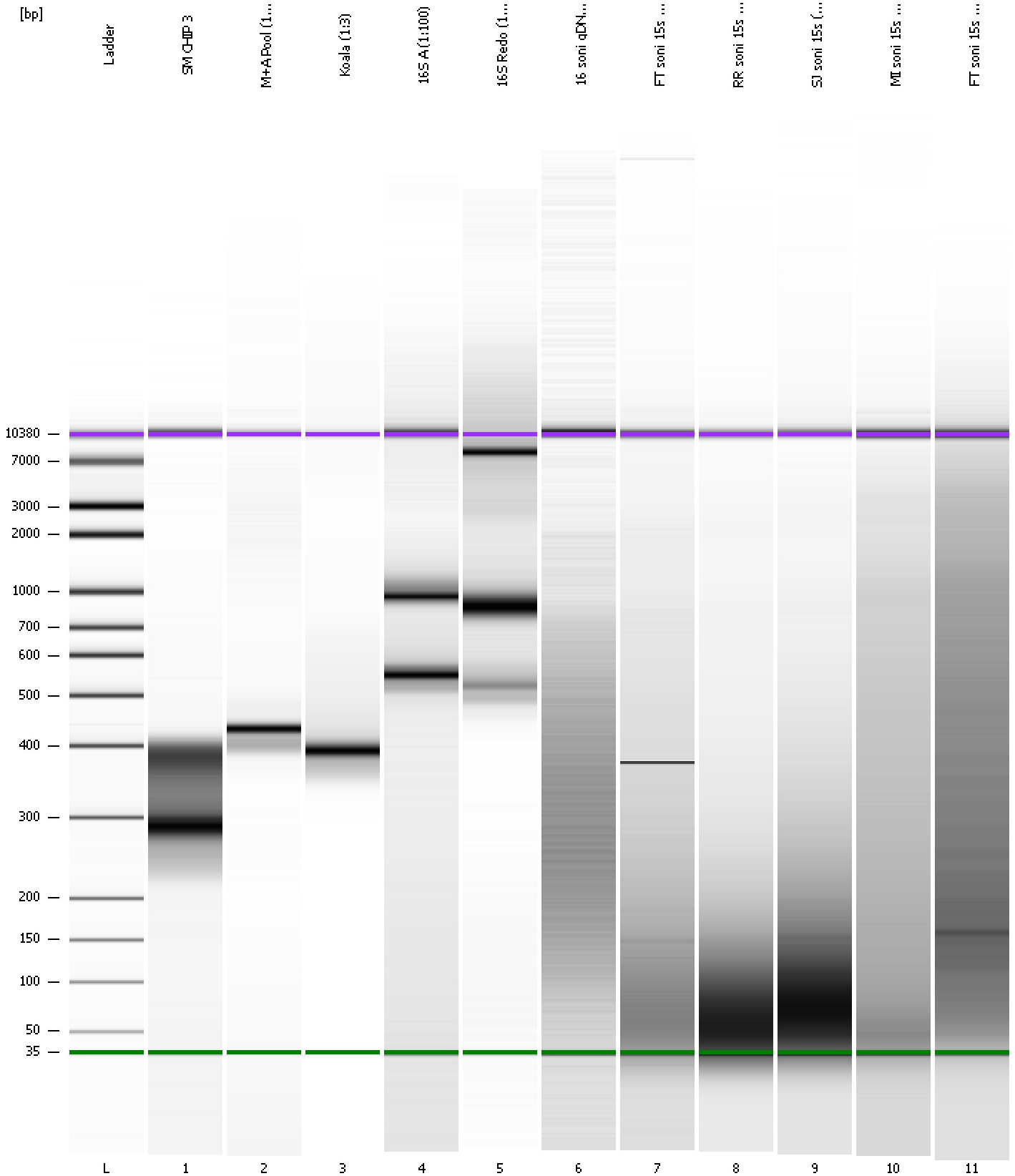
Region table for sample 11 : FT soni 15s (1:5)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 41 | 14,933 | 1,181 | 1,878.7 | 52,410.9 | 5,714.45 | 98 | 100.0 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_001.xad

Created: 3/21/2016 12:20:34 PM
Modified: 3/21/2016 1:03:16 PM

Gel Image

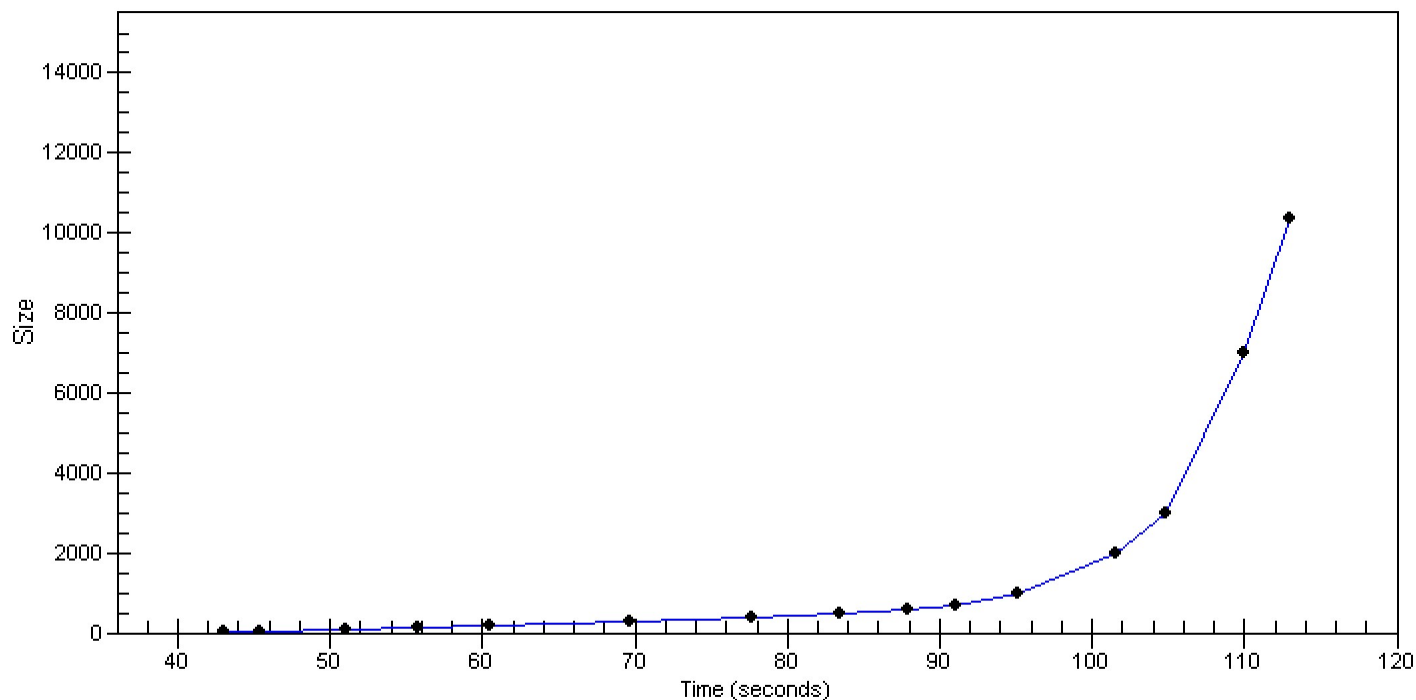


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_001.xad

Created: 3/21/2016 12:20:34 PM
Modified: 3/21/2016 1:03:16 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_001.xad

Created: 3/21/2016 12:20:34 PM
 Modified: 3/21/2016 1:03:16 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 | | 3/21/2016 1:01:52 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-03-21\2016-03-21_001.xad) | | Instrument | Run | | 3/21/2016 12:20:40 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 3/21/2016 12:20:40 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 3/21/2016 12:20:40 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 3/21/2016 12:20:40 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 3/21/2016 12:20:39 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 3/21/2016 12:20:39 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 3/21/2016 12:20:39 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |