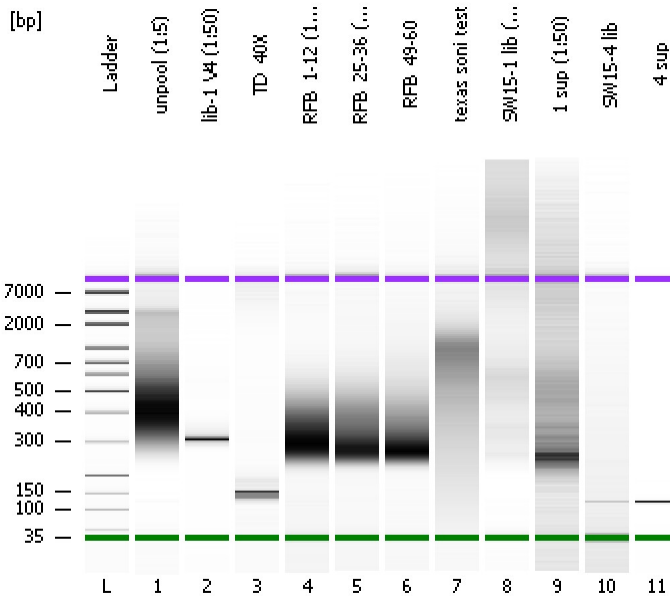


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-20\2015-02-20_005.xad

Created: 2/20/2015 4:04:12 PM
Modified: 2/20/2015 4:45:37 PM

Electrophoresis File Run Summary



Instrument Information:

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

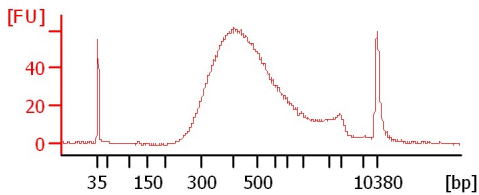
Assay Information:

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

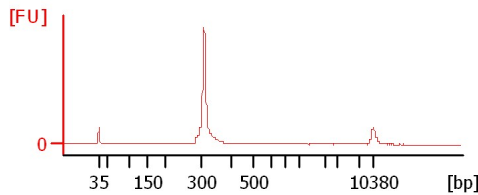
Chip Information:

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

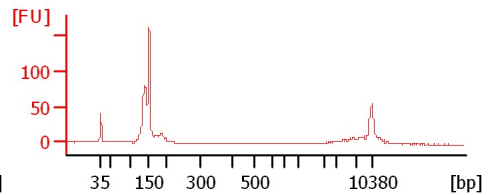
unpool (1:5)



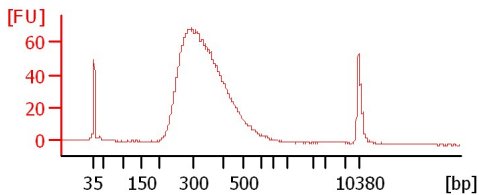
lib-1 V4 (1:50)



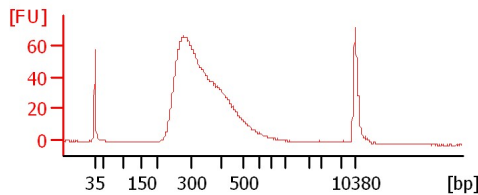
TD_40X



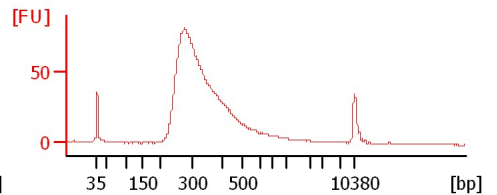
RFB_1-12 (1:2)



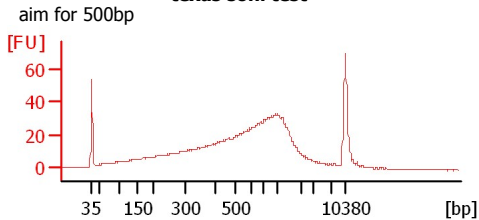
RFB_25-36 (1:5)



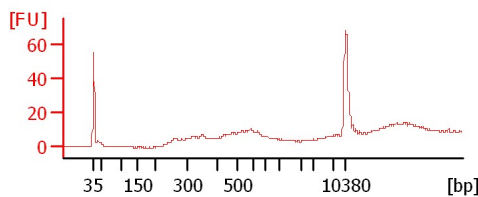
RFB_49-60



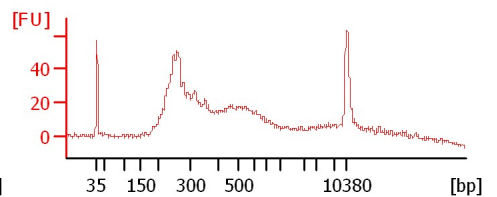
texas soni test



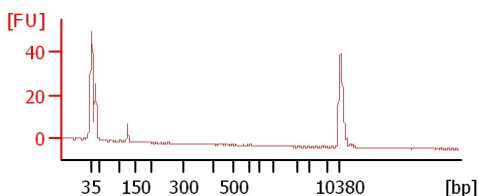
SW15-1 lib (1:20)



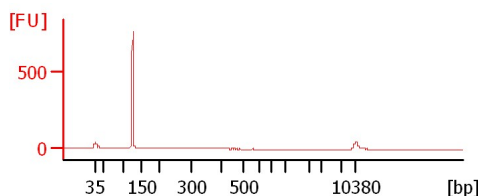
1 sup (1:50)



SW15-4 lib



4 sup



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-20\2015-02-20_005.xad

Created: 2/20/2015 4:04:12 PM
 Modified: 2/20/2015 4:45:37 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|-------------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| unpool (1:5) | | <input type="checkbox"/> | ✓ | | | |
| lib-1 V4 (1:50) | | <input type="checkbox"/> | ✓ | | | |
| TD_40X | | <input type="checkbox"/> | ✓ | | | |
| RFB_1-12 (1:2) | | <input type="checkbox"/> | ✓ | | | |
| RFB_25-36 (1:5) | | <input type="checkbox"/> | ✓ | | | |
| RFB_49-60 | | <input type="checkbox"/> | ✓ | | | |
| texas soni test | aim for 500bp | <input type="checkbox"/> | ✓ | | | |
| SW15-1 lib (1:20) | | <input type="checkbox"/> | ✓ | | | |
| 1 sup (1:50) | | <input type="checkbox"/> | ✓ | | | |
| SW15-4 lib | | <input type="checkbox"/> | ✓ | | | |
| 4 sup | | <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\2015-02-20\2015-02-20_005.xad

Created: 2/20/2015 4:04:12 PM
Modified: 2/20/2015 4:45:37 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

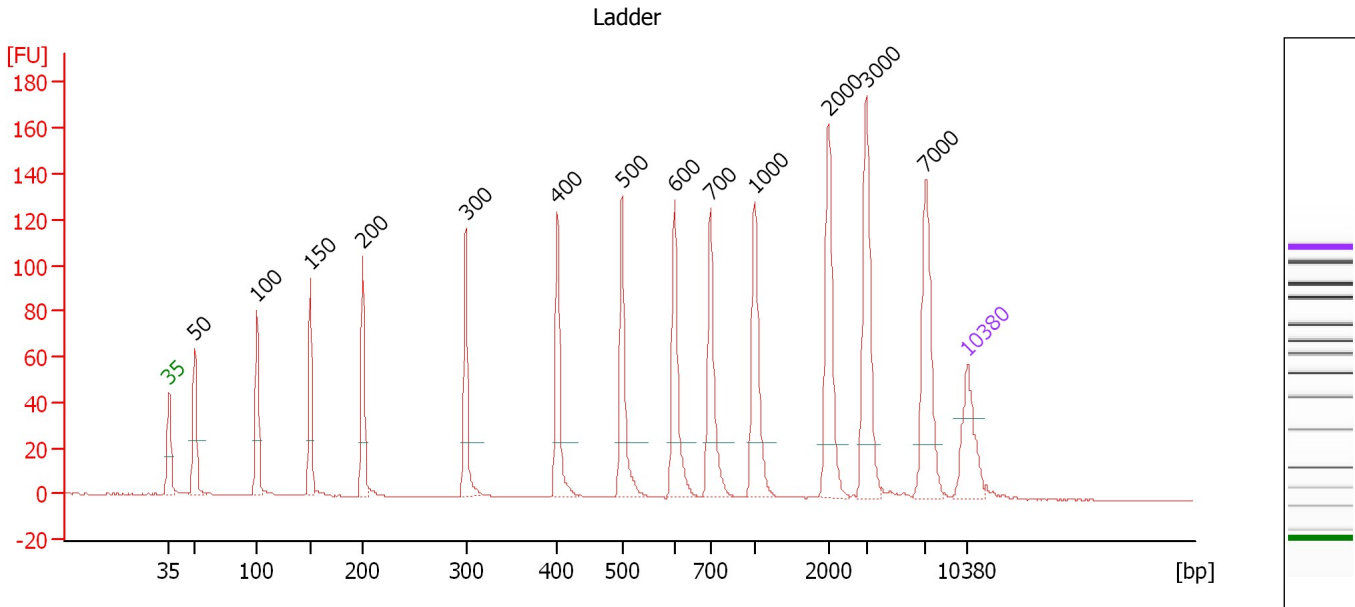
Ladder

| 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\2015-02-20\2015-02-20_005.xad

Created: 2/20/2015 4:04:12 PM
 Modified: 2/20/2015 4:45:37 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

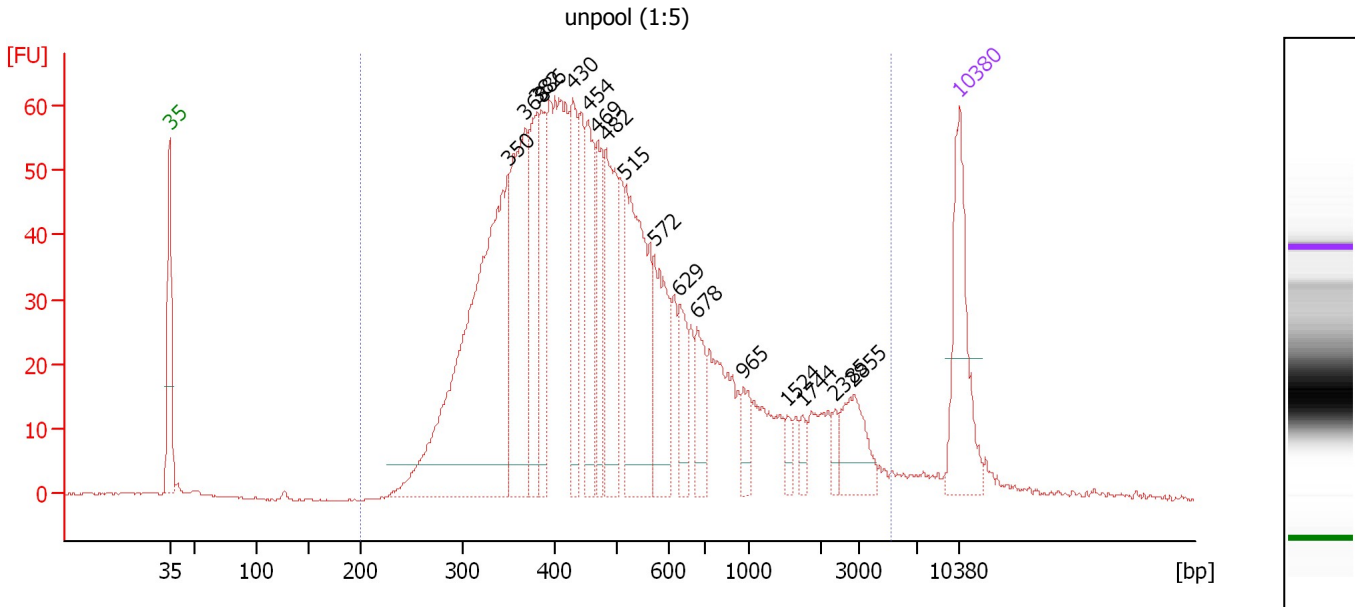
Peak table for Ladder

| 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 | 50.71 |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak | 55.38 |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak | 60.01 |
| 6 | 300 | 150.00 | 757.6 | Ladder Peak | 69.03 |
| 7 | 400 | 150.00 | 568.2 | Ladder Peak | 77.07 |
| 8 | 500 | 150.00 | 454.5 | Ladder Peak | 82.72 |
| 9 | 600 | 150.00 | 378.8 | Ladder Peak | 87.30 |
| 10 | 700 | 150.00 | 324.7 | Ladder Peak | 90.48 |
| 11 | 1,000 | 150.00 | 227.3 | Ladder Peak | 94.36 |
| 12 | 2,000 | 150.00 | 113.6 | Ladder Peak | 100.80 |
| 13 | 3,000 | 150.00 | 75.8 | Ladder Peak | 104.12 |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak | 109.31 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-20\2015-02-20_005.xad

Created: 2/20/2015 4:04:12 PM
 Modified: 2/20/2015 4:45:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : unpool (1:5)

Number of peaks found: 17 Corr. Area 1: 1,611.5
 Noise: 0.1

Peak table for sample 1 : unpool (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 | 350 | 440.25 | 1,908.1 | | 73.01 |
| 3 | 368 | 174.27 | 716.7 | | 74.53 |
| 4 | 382 | 93.39 | 370.5 | | 75.61 |
| 5 | 386 | 68.43 | 268.6 | | 75.94 |
| 6 | 430 | 80.40 | 283.1 | | 78.78 |
| 7 | 454 | 83.48 | 278.8 | | 80.10 |
| 8 | 469 | 61.41 | 198.5 | | 80.95 |
| 9 | 482 | 111.18 | 349.4 | | 81.71 |
| 10 | 515 | 174.07 | 512.0 | | 83.41 |
| 11 | 572 | 80.68 | 213.8 | | 86.01 |
| 12 | 629 | 36.59 | 88.1 | | 88.23 |
| 13 | 678 | 38.17 | 85.2 | | 89.79 |
| 14 | 965 | 18.74 | 29.4 | | 93.90 |
| 15 | 1,524 | 8.19 | 8.1 | | 97.73 |
| 16 | 1,744 | 8.35 | 7.3 | | 99.15 |
| 17 | 2,385 | 7.97 | 5.1 | | 102.08 |
| 18 | 2,855 | 39.81 | 21.1 | | 103.64 |
| 19 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

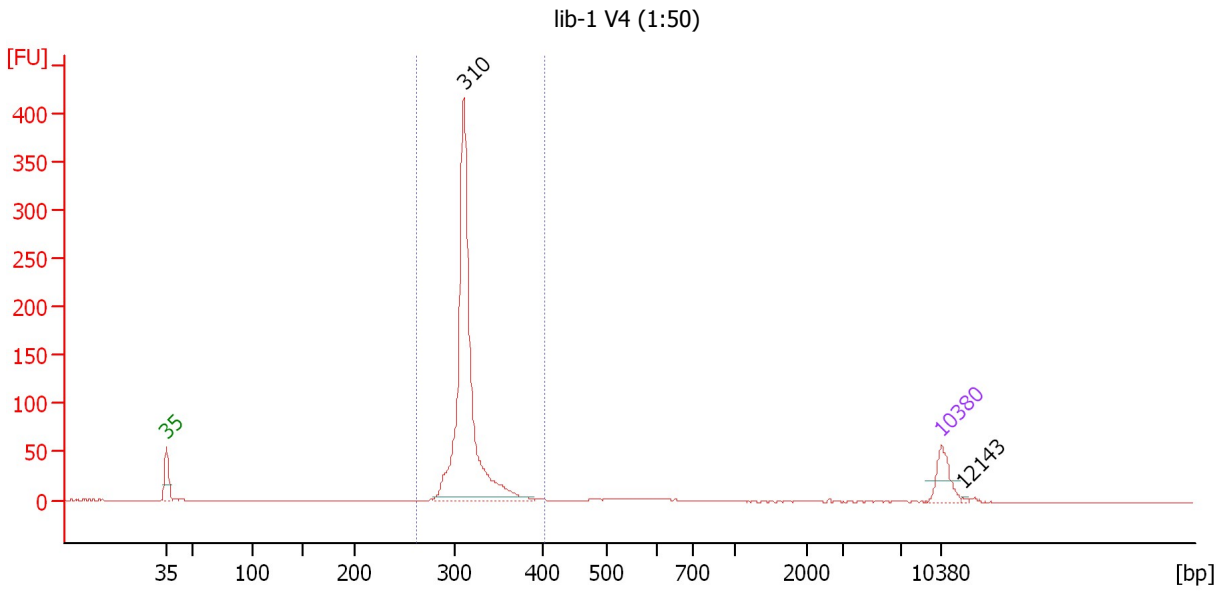
Region table for sample 1 : unpool (1:5)

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 200 | 663 | 5,145 | 1,611.5 | 98 | 94.7 | 2,130.66 | 7,276.3 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-20\2015-02-20_005.xad

Created: 2/20/2015 4:04:12 PM
 Modified: 2/20/2015 4:45:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : lib-1 V4 (1:50)

Number of peaks found: 2 Corr. Area 1: 801.3
 Noise: 0.3

Peak table for sample 2 : lib-1 V4 (1:50)

| 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 | 310 | 1,295.98 | 6,326.1 | | 69.86 |
| 3 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 4 | 12,143 | 0.00 | 0.0 | | 114.93 |

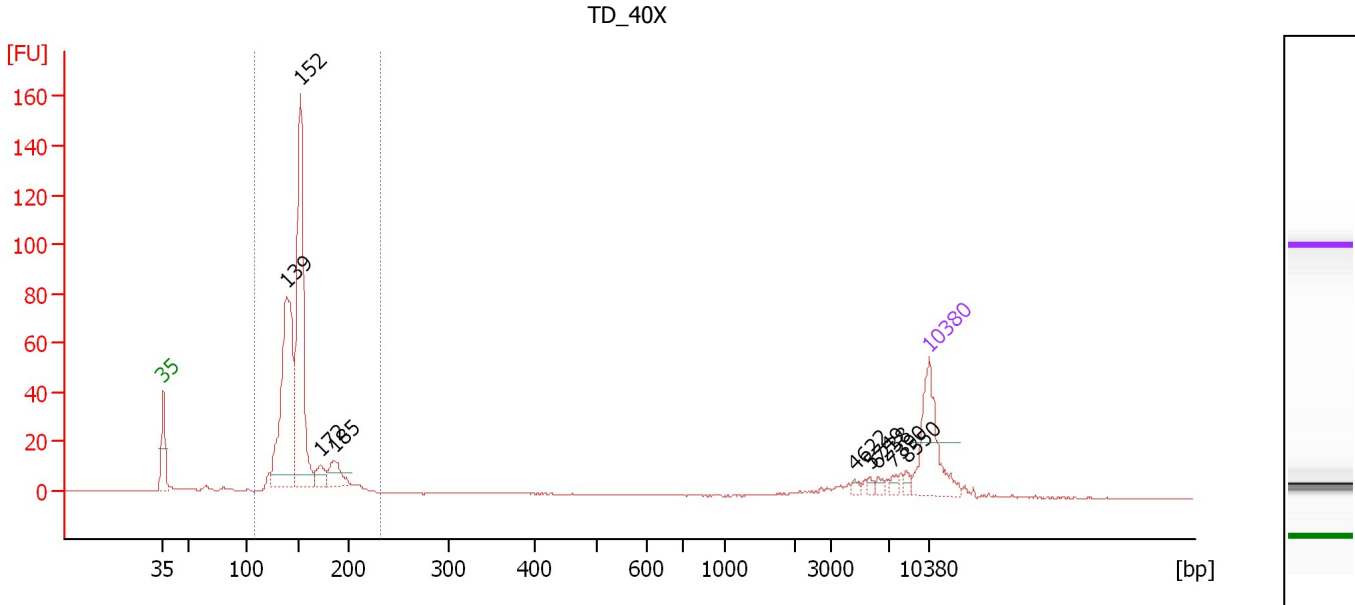
Region table for sample 2 : lib-1 V4 (1:50)

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 263 | 315 | 401 | 801.3 | 94 | 5.2 | 1,294.03 | 6,231.4 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-20\2015-02-20_005.xad

Created: 2/20/2015 4:04:12 PM
 Modified: 2/20/2015 4:45:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : TD_40X

Number of peaks found: 9 Corr. Area 1: 490.1
 Noise: 0.2

Peak table for sample 3 : TD_40X

| 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 | 139 | 339.55 | 3,714.3 | | 54.31 |
| 3 | 152 | 366.10 | 3,659.8 | | 55.53 |
| 4 | 172 | 21.75 | 192.1 | | 57.38 |
| 5 | 185 | 39.52 | 324.1 | | 58.60 |
| 6 | 4,622 | 4.05 | 1.3 | | 106.22 |
| 7 | 5,749 | 3.76 | 1.0 | | 107.69 |
| 8 | 6,238 | 5.40 | 1.3 | | 108.32 |
| 9 | 7,390 | 5.72 | 1.2 | | 109.73 |
| 10 | 8,550 | 5.61 | 1.0 | | 111.00 |
| 11 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

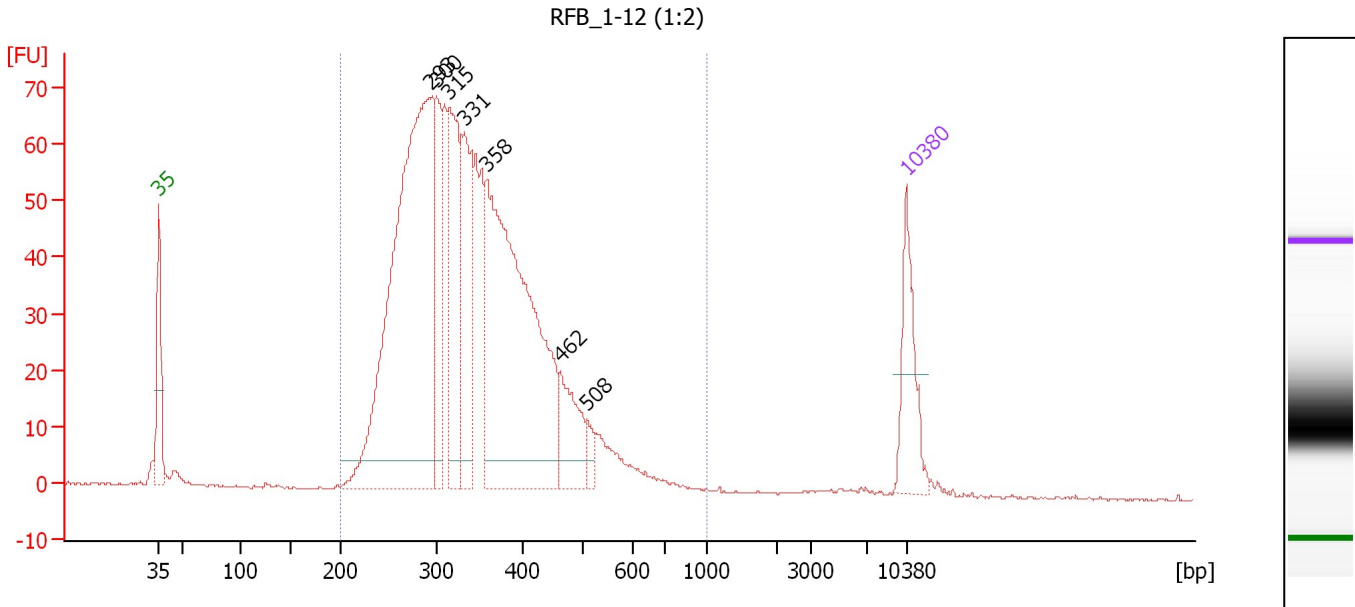
Region table for sample 3 : TD_40X

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 106 | 151 | 231 | 490.1 | 85 | 11.5 | 853.19 | 8,671.5 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-20\2015-02-20_005.xad

Created: 2/20/2015 4:04:12 PM
 Modified: 2/20/2015 4:45:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : RFB 1-12 (1:2)

Number of peaks found: 7 Corr. Area 1: 1,358.1
 Noise: 0.2

Peak table for sample 4 : RFB 1-12 (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 | 293 | 868.28 | 4,495.6 | | 68.36 |
| 3 | 300 | 124.03 | 626.8 | | 69.01 |
| 4 | 315 | 201.94 | 972.2 | | 70.21 |
| 5 | 331 | 180.96 | 827.1 | | 71.56 |
| 6 | 358 | 625.96 | 2,647.7 | | 73.71 |
| 7 | 462 | 84.52 | 276.9 | | 80.60 |
| 8 | 508 | 18.71 | 55.8 | | 83.09 |
| 9 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

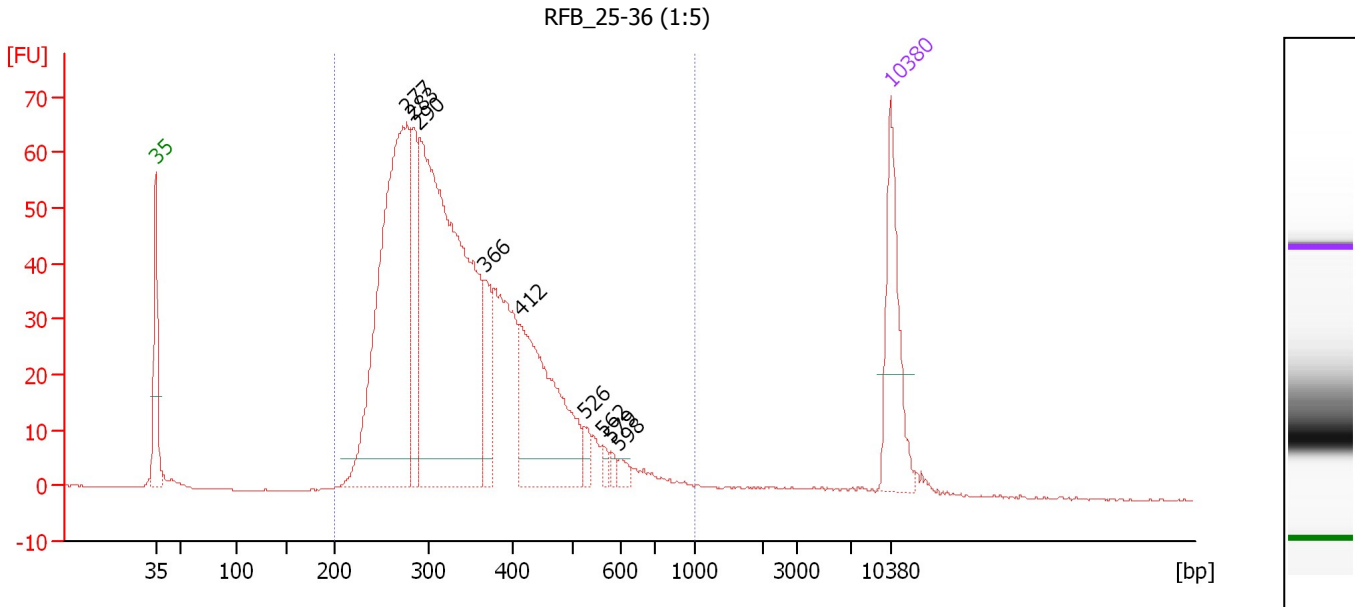
Region table for sample 4 : RFB 1-12 (1:2)

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 200 | 347 | 1,000 | 1,358.1 | 98 | 24.4 | 2,455.85 | 11,467.0 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-20\2015-02-20_005.xad

Created: 2/20/2015 4:04:12 PM
 Modified: 2/20/2015 4:45:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : RFB 25-36 (1:5)

Number of peaks found: 9 Corr. Area 1: 1,240.6
 Noise: 0.1

Peak table for sample 5 : RFB 25-36 (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 | 277 | 465.24 | 2,547.6 | | 66.93 |
| 3 | 283 | 104.15 | 557.8 | | 67.48 |
| 4 | 290 | 622.01 | 3,247.4 | | 68.15 |
| 5 | 366 | 55.30 | 228.9 | | 74.34 |
| 6 | 412 | 191.57 | 704.4 | | 77.75 |
| 7 | 526 | 11.98 | 34.5 | | 83.89 |
| 8 | 562 | 6.70 | 18.1 | | 85.57 |
| 9 | 579 | 5.38 | 14.1 | | 86.33 |
| 10 | 598 | 7.81 | 19.8 | | 87.19 |
| 11 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

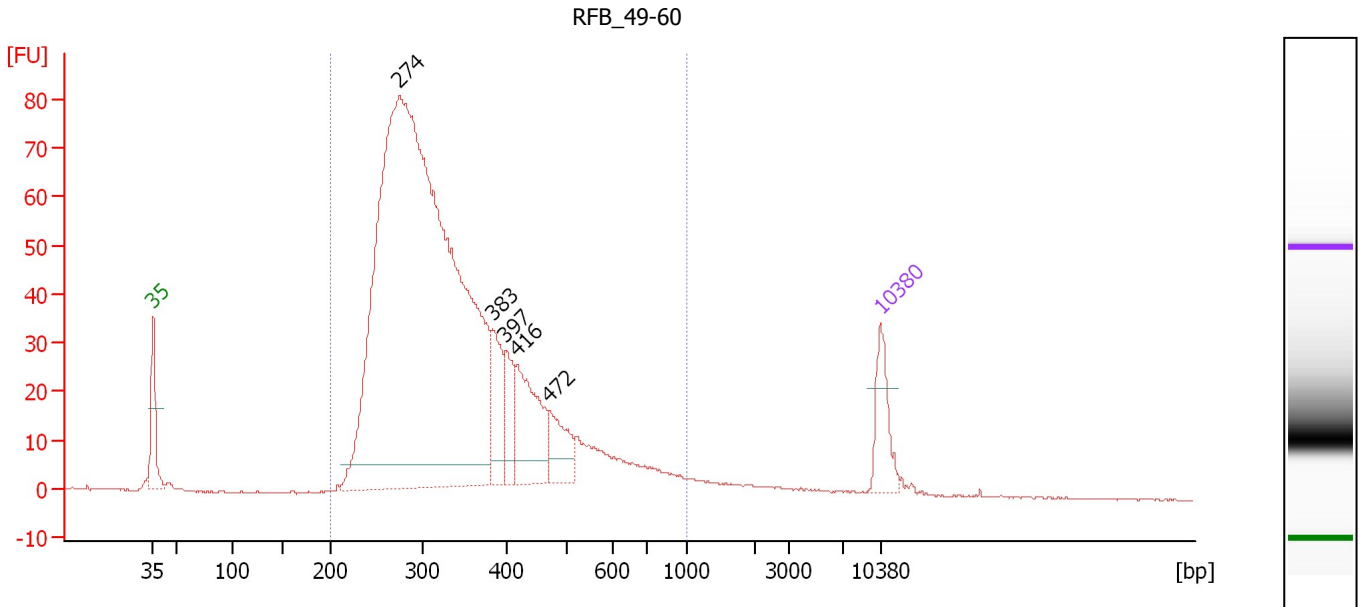
Region table for sample 5 : RFB 25-36 (1:5)

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 200 | 350 | 1,000 | 1,240.6 | 97 | 28.4 | 1,657.16 | 7,813.1 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-20\2015-02-20_005.xad

Created: 2/20/2015 4:04:12 PM
 Modified: 2/20/2015 4:45:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : RFB 49-60

Number of peaks found: 5 Corr. Area 1: 1,370.9
 Noise: 0.2

Peak table for sample 6 : RFB 49-60

| 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 | 274 | 3,132.67 | 17,352.4 | | 66.64 |
| 3 | 383 | 122.13 | 482.9 | | 75.72 |
| 4 | 397 | 90.28 | 344.3 | | 76.85 |
| 5 | 416 | 199.77 | 727.5 | | 77.97 |
| 6 | 472 | 92.84 | 297.8 | | 81.15 |
| 7 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

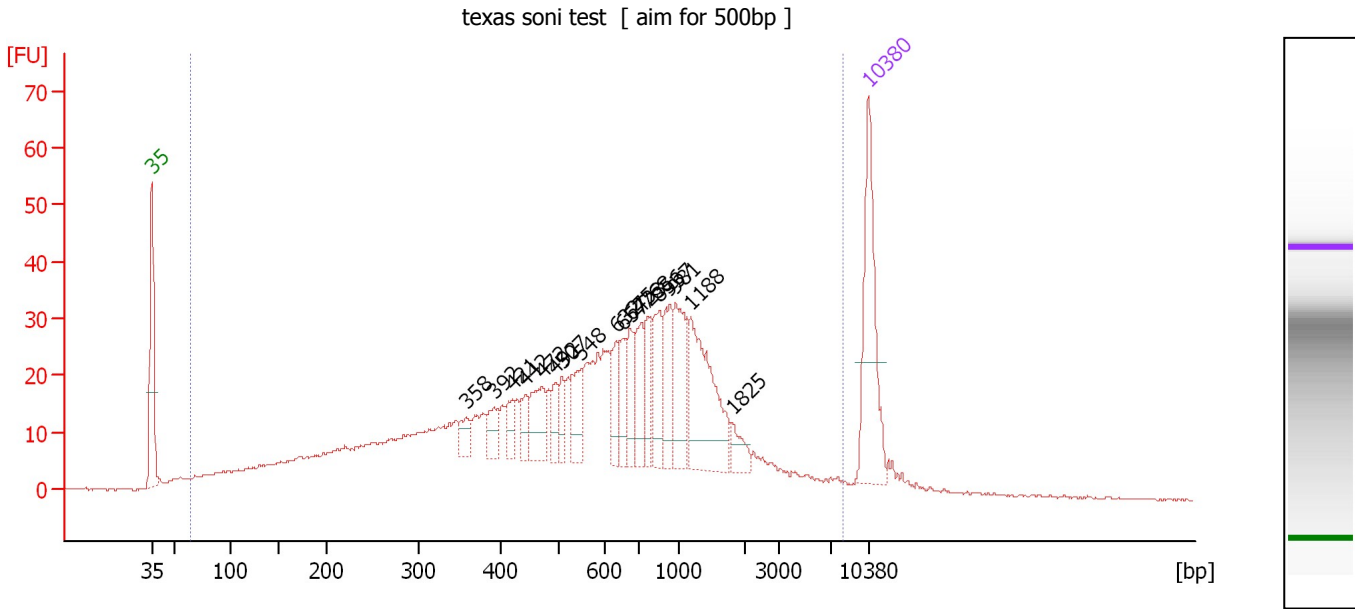
Region table for sample 6 : RFB 49-60

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 200 | 350 | 1,000 | 1,370.9 | 97 | 32.1 | 3,784.13 | 18,094.2 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-20\2015-02-20_005.xad

Created: 2/20/2015 4:04:12 PM
 Modified: 2/20/2015 4:45:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : texas soni test

Number of peaks found: 18 Corr. Area 1: 1,029.7
 Noise: 0.2

Peak table for sample 7 : texas soni test

| 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 | 358 | 15.31 | 64.8 | | 73.71 |
| 3 | 392 | 17.68 | 68.4 | | 76.41 |
| 4 | 421 | 15.47 | 55.7 | | 78.23 |
| 5 | 442 | 17.75 | 60.9 | | 79.43 |
| 6 | 472 | 36.13 | 115.9 | | 81.15 |
| 7 | 492 | 15.93 | 49.0 | | 82.29 |
| 8 | 507 | 16.76 | 50.1 | | 83.02 |
| 9 | 548 | 30.73 | 85.0 | | 84.90 |
| 10 | 632 | 27.87 | 66.8 | | 88.33 |
| 11 | 654 | 22.66 | 52.5 | | 89.01 |
| 12 | 675 | 25.76 | 57.8 | | 89.68 |
| 13 | 723 | 32.52 | 68.1 | | 90.78 |
| 14 | 768 | 27.63 | 54.5 | | 91.35 |
| 15 | 856 | 40.78 | 72.2 | | 92.49 |
| 16 | 937 | 34.63 | 56.0 | | 93.54 |
| 17 | 981 | 50.21 | 77.6 | | 94.11 |
| 18 | 1,188 | 89.71 | 114.5 | | 95.57 |
| 19 | 1,825 | 12.53 | 10.4 | | 99.68 |
| 20 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

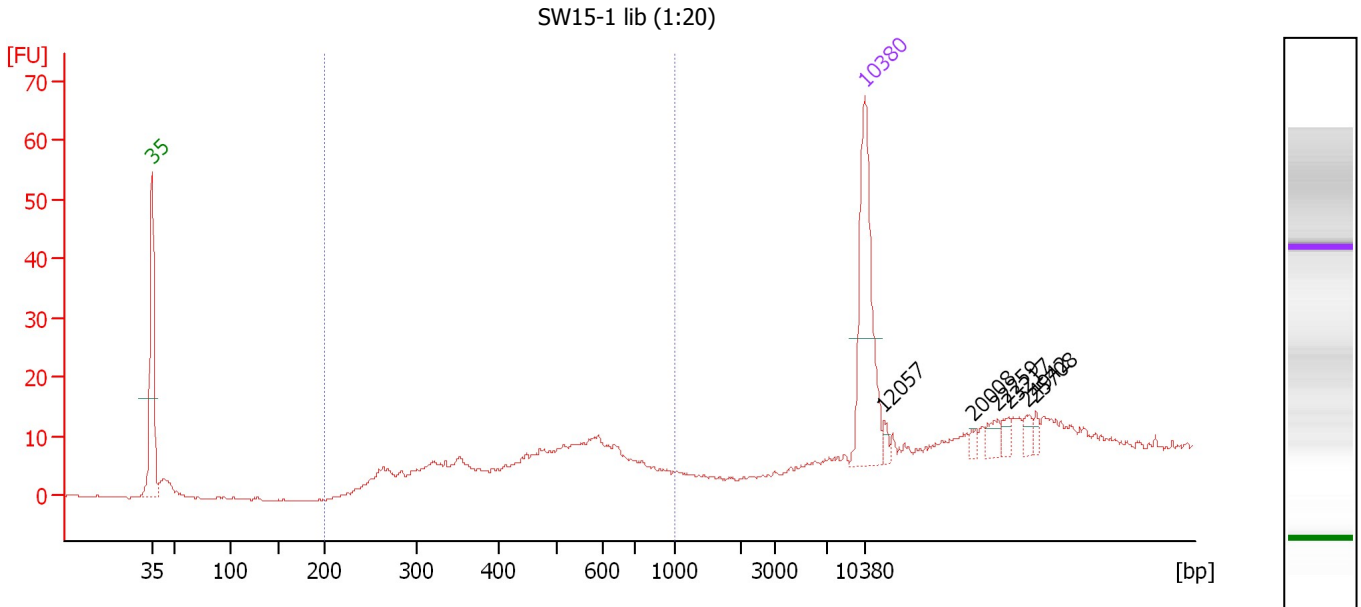
Region table for sample 7 : texas soni test

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 64 | 827 | 7,991 | 1,029.7 | 97 | 100.0 | 1,469.74 | 6,499.3 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-20\2015-02-20_005.xad

Created: 2/20/2015 4:04:12 PM
 Modified: 2/20/2015 4:45:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : SW15-1 lib (1:20)

Number of peaks found: 6 Corr. Area 1: 84.4
 Noise: 0.1

Peak table for sample 8 : SW15-1 lib (1:20)

| 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 | 12,057 | 0.00 | 0.0 | | 114.83 |
| 4 | 20,008 | 0.00 | 0.0 | | 123.52 |
| 5 | 22,259 | 0.00 | 0.0 | | 125.97 |
| 6 | 23,217 | 0.00 | 0.0 | | 127.02 |
| 7 | 24,942 | 0.00 | 0.0 | | 128.90 |
| 8 | 25,708 | 0.00 | 0.0 | | 129.74 |

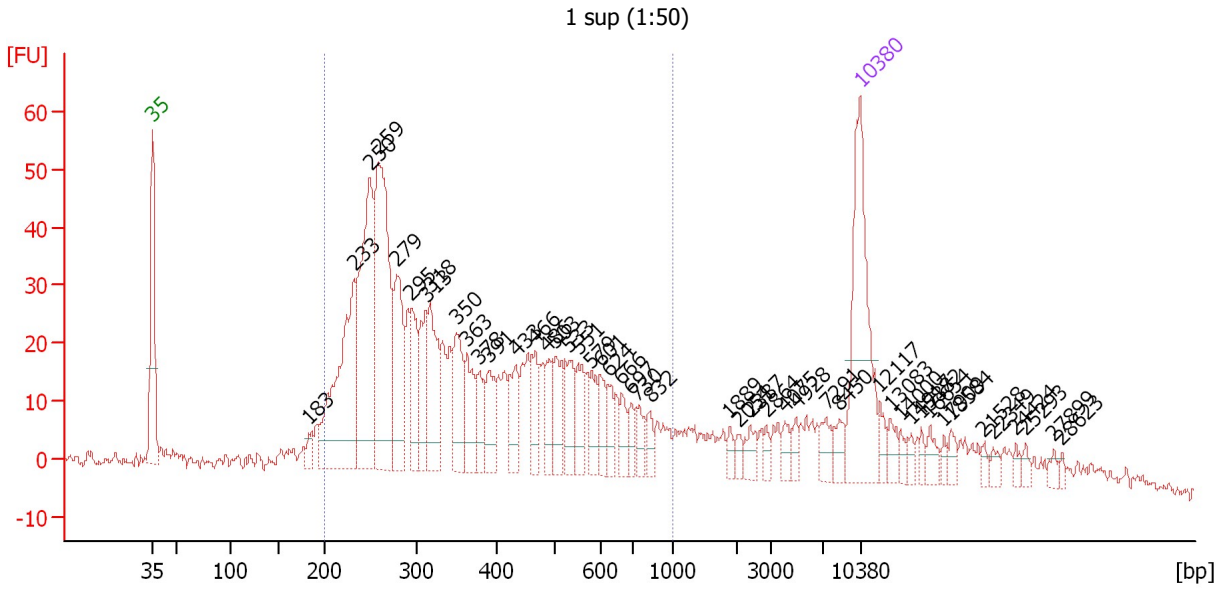
Region table for sample 8 : SW15-1 lib (1:20)

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 200 | 479 | 1,000 | 84.4 | 57 | 25.3 | 115.64 | 411.2 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-20\2015-02-20_005.xad

Created: 2/20/2015 4:04:12 PM
 Modified: 2/20/2015 4:45:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 1 sup (1:50)

Number of peaks found: 47 Corr. Area 1: 990.5
 Noise: 1.3

Peak table for sample 9 : 1 sup (1:50)

| 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 | 183 | 8.32 | 68.9 | | 58.44 |
| 3 | 233 | 139.53 | 907.7 | | 62.98 |
| 4 | 250 | 141.70 | 859.3 | | 64.51 |
| 5 | 259 | 160.06 | 935.6 | | 65.35 |
| 6 | 279 | 61.60 | 334.4 | | 67.14 |
| 7 | 295 | 38.41 | 197.0 | | 68.62 |
| 8 | 313 | 36.77 | 178.2 | | 70.04 |
| 9 | 318 | 51.90 | 247.4 | | 70.46 |
| 10 | 350 | 39.14 | 169.4 | | 73.05 |
| 11 | 363 | 31.12 | 129.8 | | 74.10 |
| 12 | 378 | 18.81 | 75.4 | | 75.31 |
| 13 | 391 | 25.60 | 99.3 | | 76.31 |
| 14 | 433 | 25.64 | 89.6 | | 78.95 |
| 15 | 466 | 21.87 | 71.1 | | 80.79 |
| 16 | 486 | 17.14 | 53.4 | | 81.95 |
| 17 | 503 | 23.53 | 70.9 | | 82.85 |
| 18 | 533 | 21.97 | 62.5 | | 84.22 |
| 19 | 551 | 20.52 | 56.4 | | 85.06 |
| 20 | 579 | 15.98 | 41.8 | | 86.33 |
| 21 | 601 | 14.30 | 36.1 | | 87.33 |
| 22 | 624 | 11.29 | 27.4 | | 88.07 |
| 23 | 666 | 11.89 | 27.1 | | 89.39 |
| 24 | 697 | 8.93 | 19.4 | | 90.39 |
| 25 | 730 | 9.64 | 20.0 | | 90.86 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-20\2015-02-20_005.xad


Created: 2/20/2015 4:04:12 PM
 Modified: 2/20/2015 4:45:37 PM

Electropherogram Summary Continued ...

... Peak table for sample 9 : 1 sup (1:50)

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 26 | 832 | 8.67 | 15.8 | | 92.18 |
| 27 | 1,889 | 4.46 | 3.6 | | 100.09 |
| 28 | 2,054 | 4.68 | 3.5 | | 100.98 |
| 29 | 2,387 | 8.13 | 5.2 | | 102.09 |
| 30 | 2,864 | 4.30 | 2.3 | | 103.67 |
| 31 | 4,075 | 6.50 | 2.4 | | 105.52 |
| 32 | 4,928 | 5.33 | 1.6 | | 106.62 |
| 33 | 7,291 | 8.77 | 1.8 | | 109.63 |
| 34 | 8,450 | 8.16 | 1.5 | | 110.89 |
| 35 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 36 | 12,117 | 0.00 | 0.0 | | 114.90 |
| 37 | 13,083 | 0.00 | 0.0 | | 115.95 |
| 38 | 14,000 | 0.00 | 0.0 | | 116.95 |
| 39 | 14,917 | 0.00 | 0.0 | | 117.95 |
| 40 | 15,882 | 0.00 | 0.0 | | 119.01 |
| 41 | 16,654 | 0.00 | 0.0 | | 119.85 |
| 42 | 17,909 | 0.00 | 0.0 | | 121.22 |
| 43 | 18,584 | 0.00 | 0.0 | | 121.96 |
| 44 | 21,528 | 0.00 | 0.0 | | 125.18 |
| 45 | 22,349 | 0.00 | 0.0 | | 126.07 |
| 46 | 24,424 | 0.00 | 0.0 | | 128.34 |
| 47 | 25,293 | 0.00 | 0.0 | | 129.29 |
| 48 | 27,899 | 0.00 | 0.0 | | 132.13 |
| 49 | 28,623 | 0.00 | 0.0 | | 132.92 |

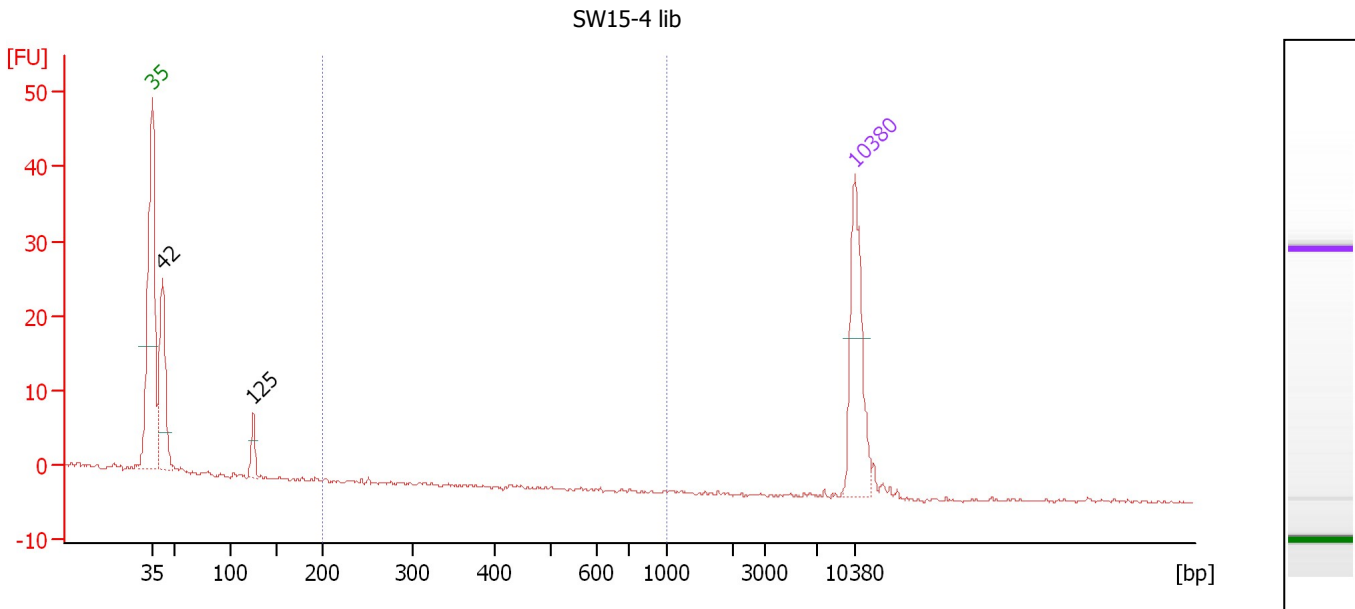
Region table for sample 9 : 1 sup (1:50)

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|---|
| 200 | 392 | 1,000 | 990.5 | 76 | 41.5 | 1,122.31 | 5,284.9 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-20\2015-02-20_005.xad

Created: 2/20/2015 4:04:12 PM
 Modified: 2/20/2015 4:45:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : SW15-4 lib

Number of peaks found: 2 Corr. Area 1: 0.0
 Noise: 0.2

Peak table for sample 10 : SW15-4 lib

| 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 | 130.03 | 4,734.1 | | 44.01 |
| 3 | 125 | 21.09 | 255.6 | | 53.05 |
| 4 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

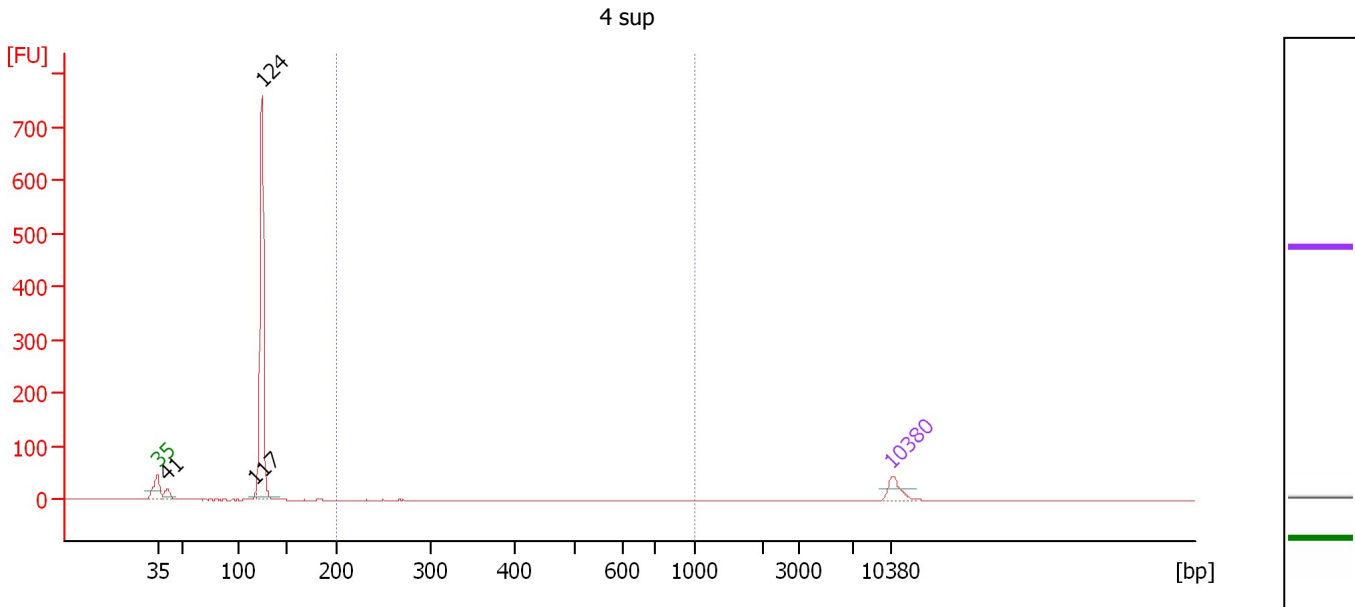
Region table for sample 10 : SW15-4 lib

| 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\2015-02-20\2015-02-20_005.xad

Created: 2/20/2015 4:04:12 PM
 Modified: 2/20/2015 4:45:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 4 sup

Number of peaks found: 3 Corr. Area 1: 4.9
 Noise: 0.1

Peak table for sample 11 : 4 sup

| 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 | 41 | 86.93 | 3,212.6 | | 43.92 |
| 3 | 117 | 18.84 | 243.6 | | 52.32 |
| 4 | 124 | 1,609.77 | 19,655.7 | | 52.96 |
| 5 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

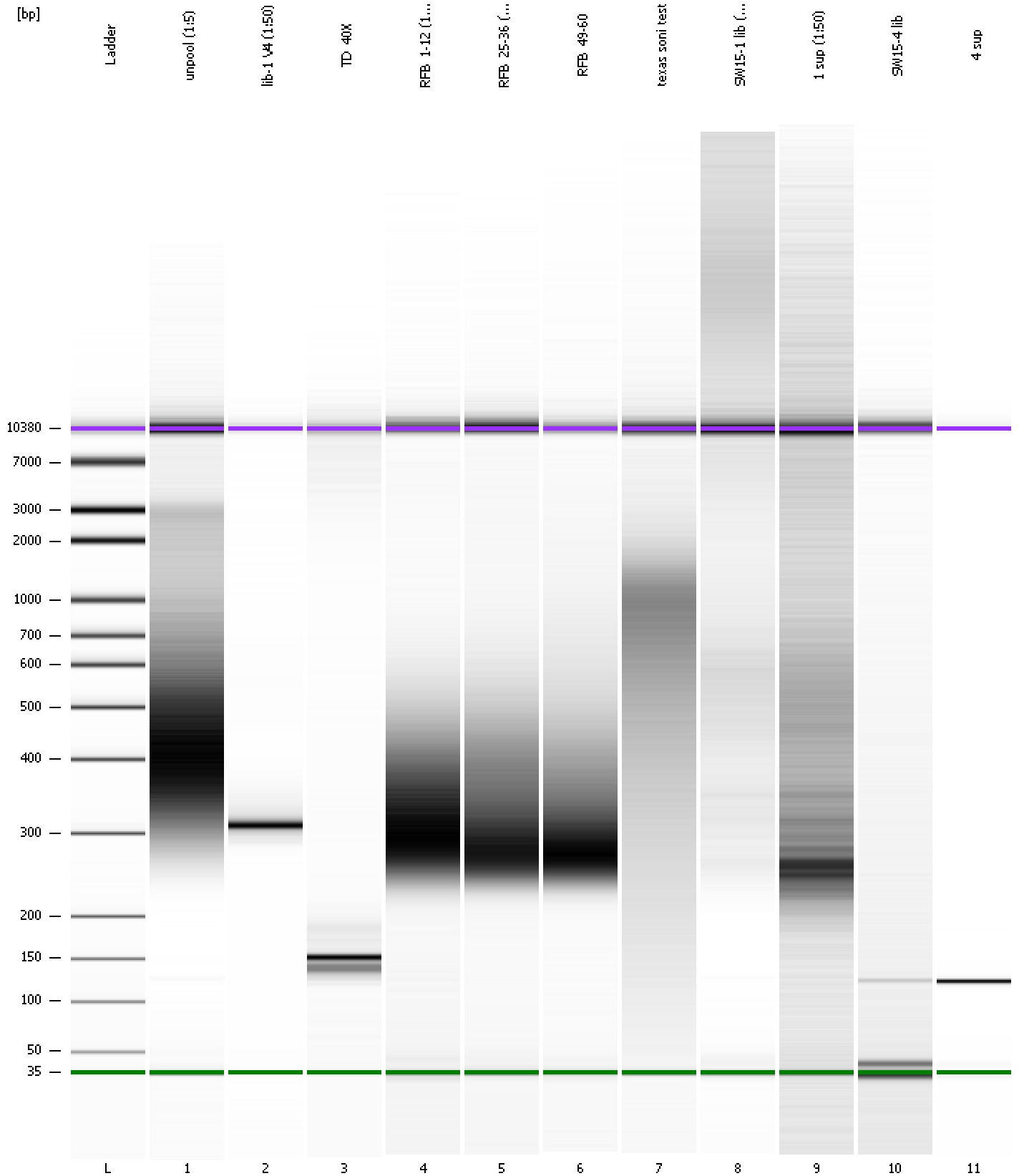
Region table for sample 11 : 4 sup

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 200 | 400 | 1,000 | 4.9 | 1 | 37.5 | 9.81 | 43.4 | Blue |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-20\2015-02-20_005.xad

Created: 2/20/2015 4:04:12 PM
Modified: 2/20/2015 4:45:37 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-20\2015-02-20_005.xad

Created: 2/20/2015 4:04:12 PM
 Modified: 2/20/2015 4:45:37 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 | | 2/20/2015 4:45:32 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-02-20\2015-02-20_005.xad) | | Instrument | Run | | 2/20/2015 4:04:17 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 2/20/2015 4:04:17 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 2/20/2015 4:04:17 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 2/20/2015 4:04:17 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 2/20/2015 4:04:17 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 2/20/2015 4:04:17 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 2/20/2015 4:04:17 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |