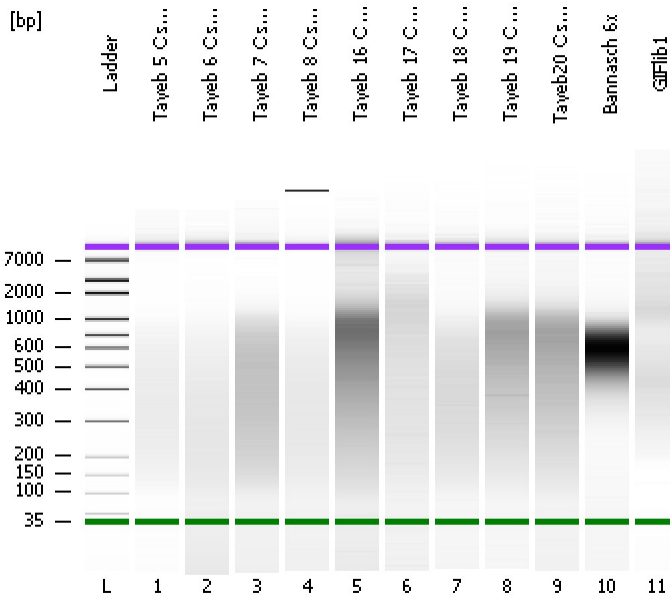


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-10\2014-09-10_003.xad

Created: 9/10/2014 1:32:18 PM
Modified: 9/10/2014 2:53:40 PM

Electrophoresis File Run Summary



Instrument Information:

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

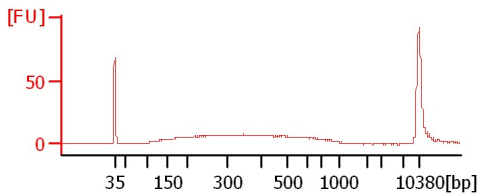
Assay Information:

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

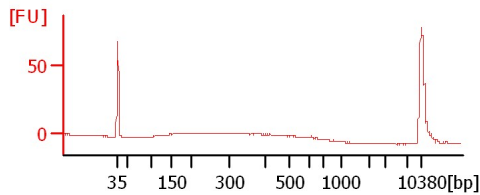
Chip Information:

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

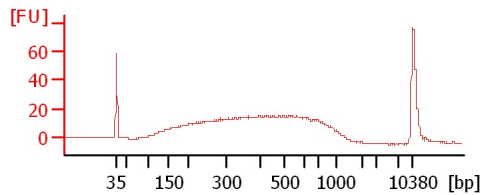
Tayeb 5 C soni2



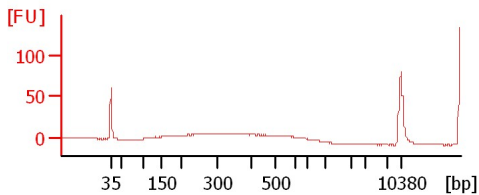
Tayeb 6 C soni2



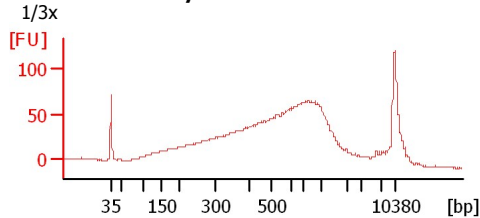
Tayeb 7 C soni2



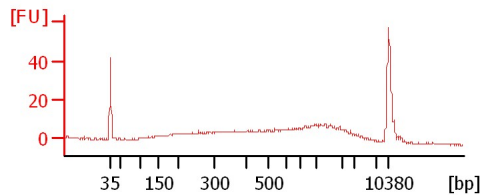
Tayeb 8 C soni2



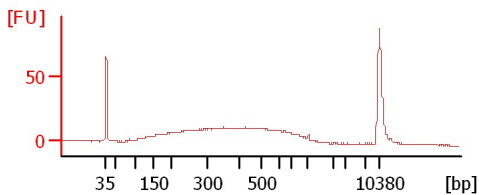
Tayeb 16 C soni2



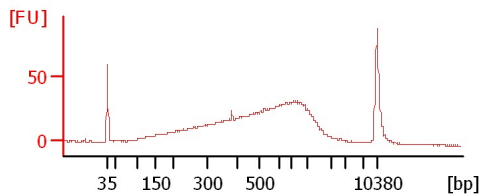
Tayeb 17 C soni2



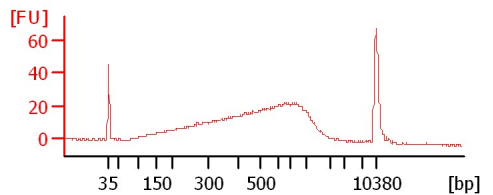
Tayeb 18 C soni2



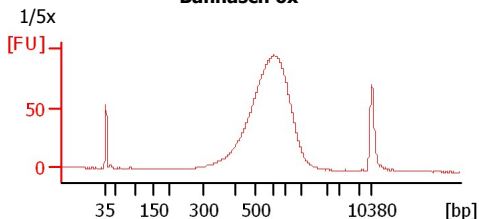
Tayeb 19 C soni2



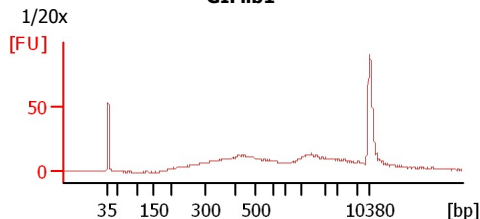
Tayeb 20 C soni2



Bannasch 6x



GIFlib1



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-10\2014-09-10_003.xad

Created: 9/10/2014 1:32:18 PM
 Modified: 9/10/2014 2:53:40 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|------------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| Tayeb 5 C soni2 | | <input type="checkbox"/> | ✓ | | | |
| Tayeb 6 C soni2 | | <input type="checkbox"/> | ✓ | | | |
| Tayeb 7 C soni2 | | <input type="checkbox"/> | ✓ | | | |
| Tayeb 8 C soni2 | | <input type="checkbox"/> | ✓ | | | |
| Tayeb 16 C soni2 | 1/3x | <input type="checkbox"/> | ✓ | | | |
| Tayeb 17 C soni2 | | <input type="checkbox"/> | ✓ | | | |
| Tayeb 18 C soni2 | | <input type="checkbox"/> | ✓ | | | |
| Tayeb 19 C soni2 | | <input type="checkbox"/> | ✓ | | | |
| Tayeb20 C soni2 | | <input type="checkbox"/> | ✓ | | | |
| Bannasch 6x | 1/5x | <input type="checkbox"/> | ✓ | | | |
| GIFlib1 | 1/20x | <input type="checkbox"/> | ✓ | | | |
| Ladder | | <input type="checkbox"/> | ✓ | | | |

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-10\2014-09-10_003.xad

Created: 9/10/2014 1:32:18 PM
Modified: 9/10/2014 2:53:40 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 32
Maximum Visible Range [s] : 138
Start Analysis Time Range [s] : 33
End Analysis Time Range [s] : 137.5
Ladder Concentration [pg/μl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/μl] : 125
Upper Marker Concentration [pg/μl] : 75
Used Upper Marker for Quantitation
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 33.05
Integration End Time [s] : 137
Slope Threshold : 0.8
Height Threshold [FU] : 5
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

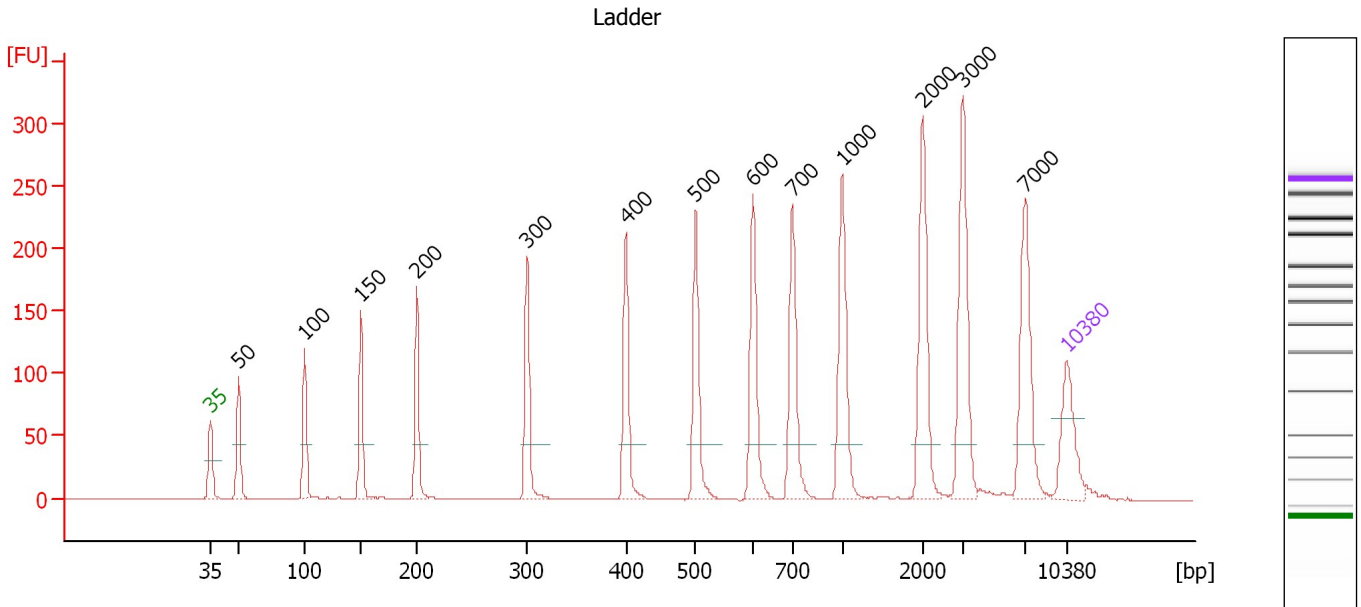
Ladder

| Ladder Peak | Size | Area |
|-------------|-------|------|
| 1 | 35 | 160 |
| 2 | 50 | 210 |
| 3 | 100 | 208 |
| 4 | 150 | 221 |
| 5 | 200 | 242 |
| 6 | 300 | 270 |
| 7 | 400 | 305 |
| 8 | 500 | 306 |
| 9 | 600 | 336 |
| 10 | 700 | 321 |
| 11 | 1000 | 366 |
| 12 | 2000 | 413 |
| 13 | 3000 | 411 |
| 14 | 7000 | 400 |
| 15 | 10380 | 214 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-10\2014-09-10_003.xad

Created: 9/10/2014 1:32:18 PM
 Modified: 9/10/2014 2:53:40 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

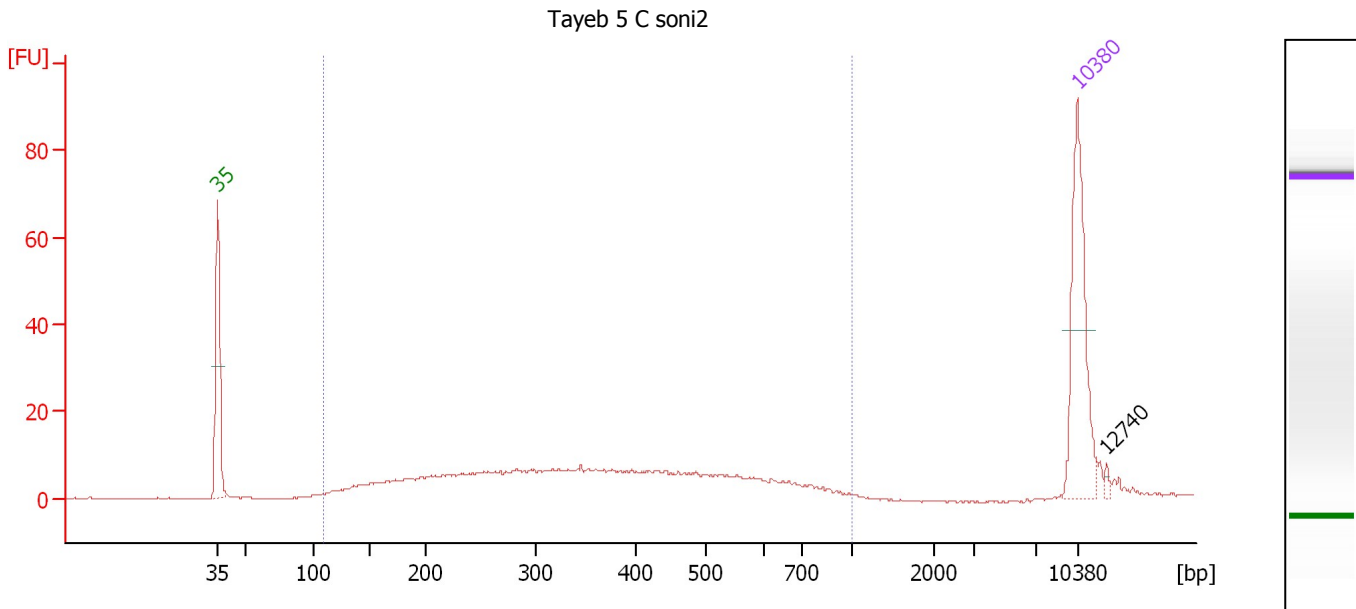
Peak table for Ladder

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 50 | 150.00 | 4,545.5 | Ladder Peak |
| 3 | 100 | 150.00 | 2,272.7 | Ladder Peak |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak |
| 6 | 300 | 150.00 | 757.6 | Ladder Peak |
| 7 | 400 | 150.00 | 568.2 | Ladder Peak |
| 8 | 500 | 150.00 | 454.5 | Ladder Peak |
| 9 | 600 | 150.00 | 378.8 | Ladder Peak |
| 10 | 700 | 150.00 | 324.7 | Ladder Peak |
| 11 | 1,000 | 150.00 | 227.3 | Ladder Peak |
| 12 | 2,000 | 150.00 | 113.6 | Ladder Peak |
| 13 | 3,000 | 150.00 | 75.8 | Ladder Peak |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-10\2014-09-10_003.xad

Created: 9/10/2014 1:32:18 PM
 Modified: 9/10/2014 2:53:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Tayeb 5 C soni2

Number of peaks found: 1 Corr. Area 1: 277.0
 Noise: 0.2

Peak table for sample 1 : Tayeb 5 C soni2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 3 | 12,740 | 0.00 | 0.0 | |

Region table for sample 1 : Tayeb 5 C soni2

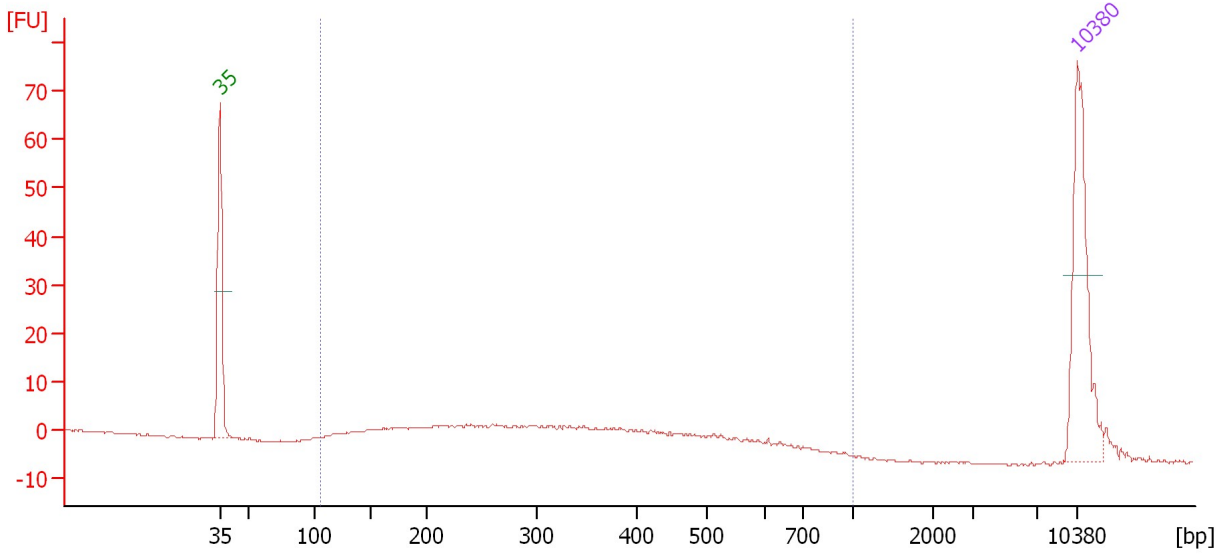
| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 110 | 1,000 | 277.0 | 96 | 369 | 42.8 | 318.42 | 1,749.5 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-10\2014-09-10_003.xad

Created: 9/10/2014 1:32:18 PM
 Modified: 9/10/2014 2:53:40 PM

Electropherogram Summary Continued ...

Tayeb 6 C soni2



Overall Results for sample 2 : Tayeb 6 C soni2

Number of peaks found: 0 Corr. Area 1: 160.3
 Noise: 0.1

Peak table for sample 2 : Tayeb 6 C soni2

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

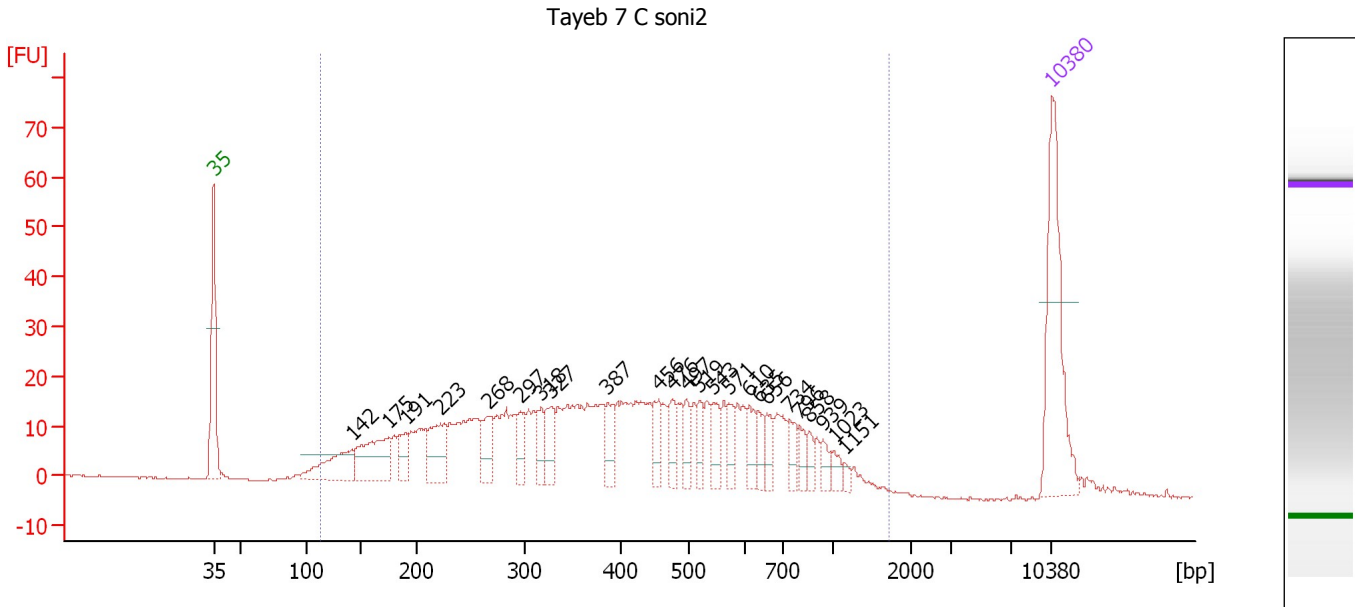
Region table for sample 2 : Tayeb 6 C soni2

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/µl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 105 | 1,000 | 160.3 | 96 | 346 | 39.8 | 190.96 | 1,086.8 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-10\2014-09-10_003.xad

Created: 9/10/2014 1:32:18 PM
 Modified: 9/10/2014 2:53:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Tayeb 7 C soni2

Number of peaks found: 24 Corr. Area 1: 802.6
 Noise: 0.1

Peak table for sample 3 : Tayeb 7 C soni2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 142 | 49.23 | 526.6 | |
| 3 | 175 | 60.63 | 524.4 | |
| 4 | 191 | 19.99 | 158.8 | |
| 5 | 223 | 42.23 | 286.8 | |
| 6 | 268 | 26.13 | 147.7 | |
| 7 | 297 | 15.59 | 79.5 | |
| 8 | 318 | 15.49 | 73.8 | |
| 9 | 327 | 22.80 | 105.6 | |
| 10 | 387 | 20.02 | 78.4 | |
| 11 | 456 | 19.38 | 64.4 | |
| 12 | 476 | 16.02 | 51.0 | |
| 13 | 497 | 13.66 | 41.7 | |
| 14 | 519 | 13.29 | 38.8 | |
| 15 | 543 | 16.44 | 45.9 | |
| 16 | 571 | 13.00 | 34.5 | |
| 17 | 610 | 16.17 | 40.2 | |
| 18 | 635 | 10.50 | 25.1 | |
| 19 | 656 | 13.26 | 30.6 | |
| 20 | 734 | 12.66 | 26.1 | |
| 21 | 796 | 9.80 | 18.7 | |
| 22 | 858 | 7.01 | 12.4 | |
| 23 | 939 | 8.06 | 13.0 | |
| 24 | 1,023 | 6.67 | 9.9 | |
| 25 | 1,151 | 3.60 | 4.7 | |
| 26 | 10,380 | 75.00 | 10.9 | Upper Marker |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-10\2014-09-10_003.xad

Created: 9/10/2014 1:32:18 PM
Modified: 9/10/2014 2:53:40 PM

Electropherogram Summary Continued ...

... Region table for sample 3 :

Tayeb 7 C soni2

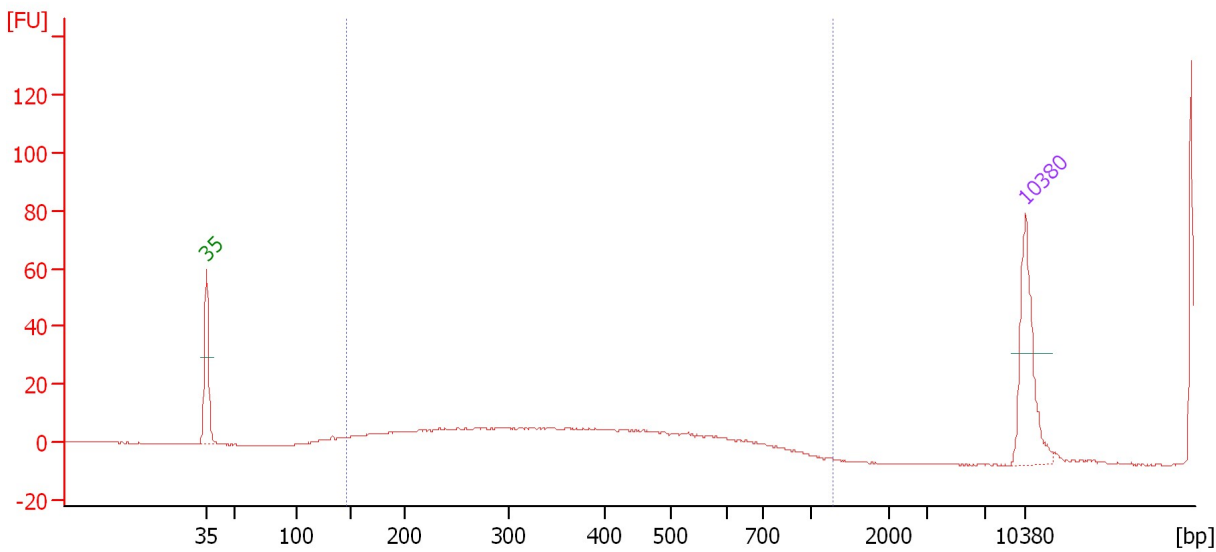
| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/ μ l] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------------|-------------------|---|
| 113 | 1,722 | 802.6 | 98 | 443 | 51.2 | 960.19 | 4,784.5 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-10\2014-09-10_003.xad

Created: 9/10/2014 1:32:18 PM
 Modified: 9/10/2014 2:53:40 PM

Electropherogram Summary Continued ...

Tayeb 8 C soni2



Overall Results for sample 4 : Tayeb 8 C soni2

Number of peaks found: 0 Corr. Area 1: 180.3
 Noise: 0.1

Peak table for sample 4 : Tayeb 8 C soni2

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

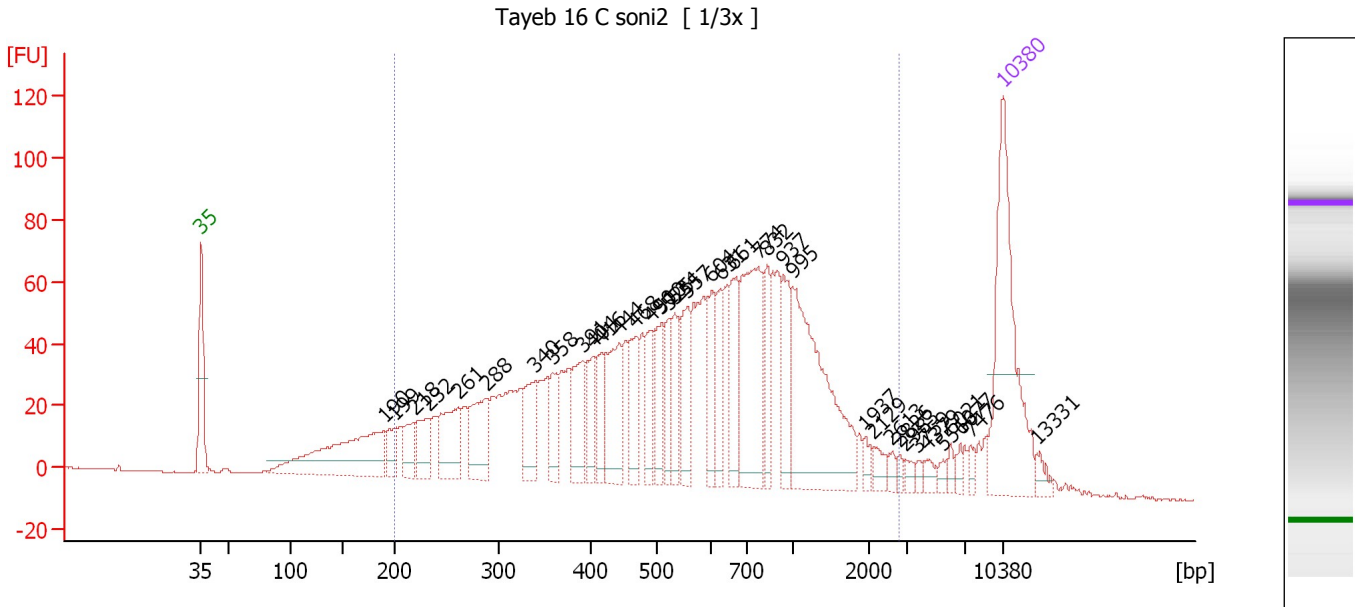
Region table for sample 4 : Tayeb 8 C soni2

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 146 | 1,277 | 180.3 | 97 | 336 | 33.3 | 221.90 | 1,193.2 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-10\2014-09-10_003.xad

Created: 9/10/2014 1:32:18 PM
 Modified: 9/10/2014 2:53:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Tayeb 16 C soni2

Number of peaks found: 37 Corr. Area 1: 2,140.9
 Noise: 0.2

Peak table for sample 5 : Tayeb 16 C soni2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 190 | 98.43 | 784.9 | |
| 3 | 199 | 14.99 | 114.1 | |
| 4 | 218 | 18.36 | 127.5 | |
| 5 | 232 | 23.63 | 154.2 | |
| 6 | 261 | 39.24 | 227.8 | |
| 7 | 288 | 38.52 | 202.4 | |
| 8 | 340 | 28.03 | 124.9 | |
| 9 | 358 | 19.08 | 80.6 | |
| 10 | 391 | 31.57 | 122.2 | |
| 11 | 404 | 19.89 | 74.6 | |
| 12 | 416 | 19.16 | 69.7 | |
| 13 | 444 | 44.32 | 151.2 | |
| 14 | 468 | 27.78 | 90.0 | |
| 15 | 490 | 20.08 | 62.0 | |
| 16 | 510 | 26.16 | 77.7 | |
| 17 | 525 | 19.26 | 55.6 | |
| 18 | 534 | 22.40 | 63.6 | |
| 19 | 557 | 28.43 | 77.4 | |
| 20 | 604 | 21.63 | 54.2 | |
| 21 | 631 | 23.57 | 56.6 | |
| 22 | 661 | 31.77 | 72.8 | |
| 23 | 774 | 75.05 | 147.0 | |
| 24 | 832 | 21.22 | 38.7 | |
| 25 | 937 | 26.30 | 42.5 | |
| 26 | 995 | 101.40 | 154.4 | |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-10\2014-09-10_003.xad

Created: 9/10/2014 1:32:18 PM
 Modified: 9/10/2014 2:53:40 PM

Electropherogram Summary Continued ...

... Peak table for sample 5 : Tayeb 16 C soni2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27 | 1,937 | 3.69 | 2.9 | |
| 28 | 2,129 | 5.66 | 4.0 | |
| 29 | 2,613 | 3.46 | 2.0 | |
| 30 | 2,826 | 2.49 | 1.3 | |
| 31 | 2,983 | 3.04 | 1.5 | |
| 32 | 3,759 | 2.69 | 1.1 | |
| 33 | 4,379 | 3.99 | 1.4 | |
| 34 | 5,510 | 3.30 | 0.9 | |
| 35 | 6,021 | 3.03 | 0.8 | |
| 36 | 6,677 | 3.63 | 0.8 | |
| 37 | 7,476 | 3.42 | 0.7 | |
| 38 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 39 | 13,331 | 0.00 | 0.0 | |

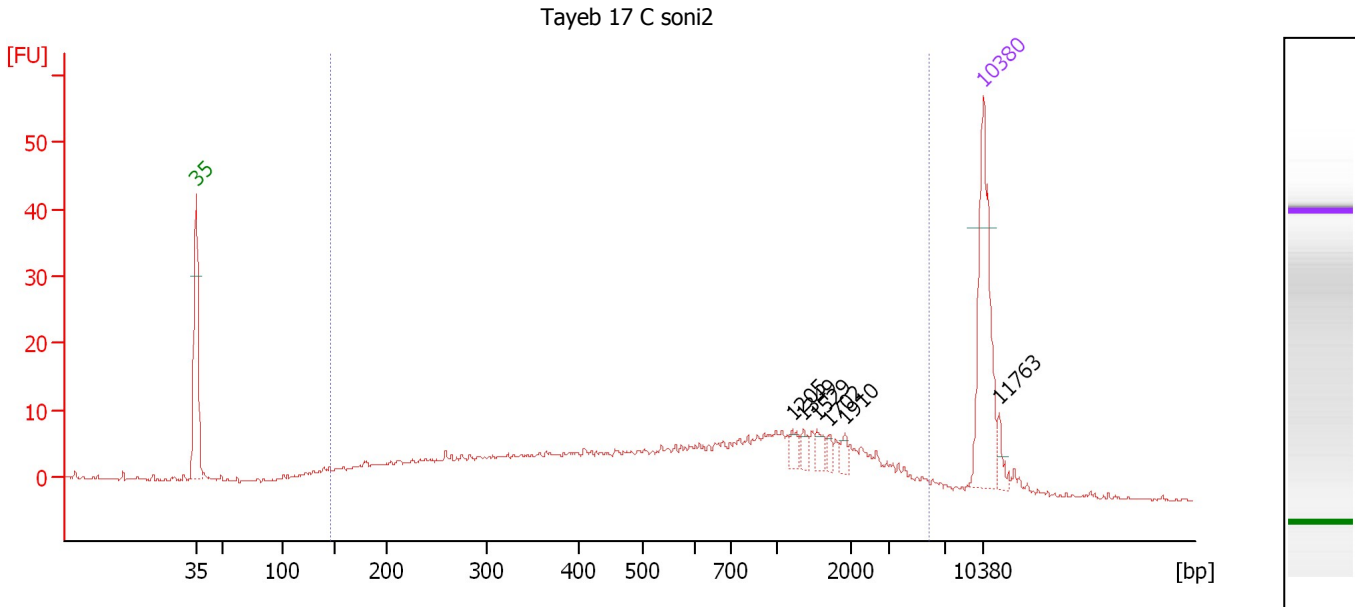
Region table for sample 5 : Tayeb 16 C soni2

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------------------------------------|
| 200 | 2,802 | 2,140.9 | 88 | 678 | 63.2 | 1,063.20 | 3,551.5 | ■ |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-10\2014-09-10_003.xad

Created: 9/10/2014 1:32:18 PM
 Modified: 9/10/2014 2:53:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Tayeb 17 C soni2

Number of peaks found: 6 Corr. Area 1: 321.9
 Noise: 0.2

Peak table for sample 6 : Tayeb 17 C soni2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 1,205 | 7.11 | 8.9 | |
| 3 | 1,349 | 5.54 | 6.2 | |
| 4 | 1,529 | 7.31 | 7.2 | |
| 5 | 1,702 | 4.22 | 3.8 | |
| 6 | 1,910 | 5.21 | 4.1 | |
| 7 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 8 | 11,763 | 0.00 | 0.0 | |

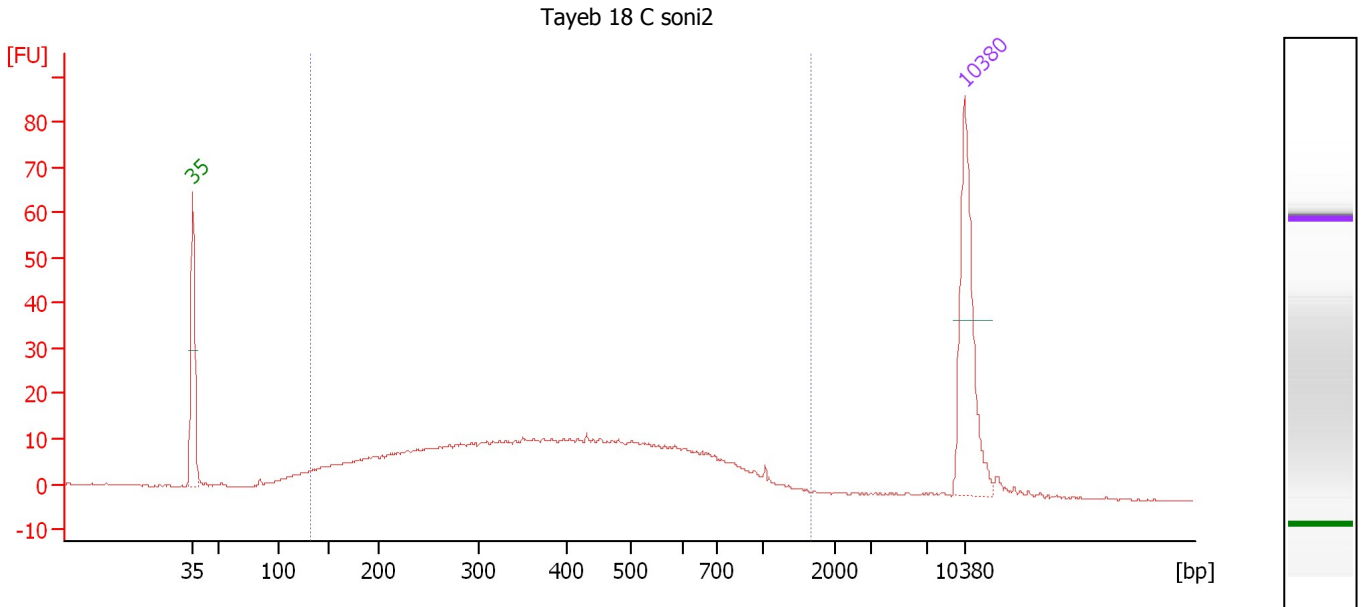
Region table for sample 6 : Tayeb 17 C soni2

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 146 | 5,893 | 321.9 | 93 | 983 | 95.8 | 555.24 | 1,982.3 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-10\2014-09-10_003.xad

Created: 9/10/2014 1:32:18 PM
 Modified: 9/10/2014 2:53:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Tayeb 18 C soni2

Number of peaks found: 0 Corr. Area 1: 520.9
 Noise: 0.1

Peak table for sample 7 : Tayeb 18 C soni2

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

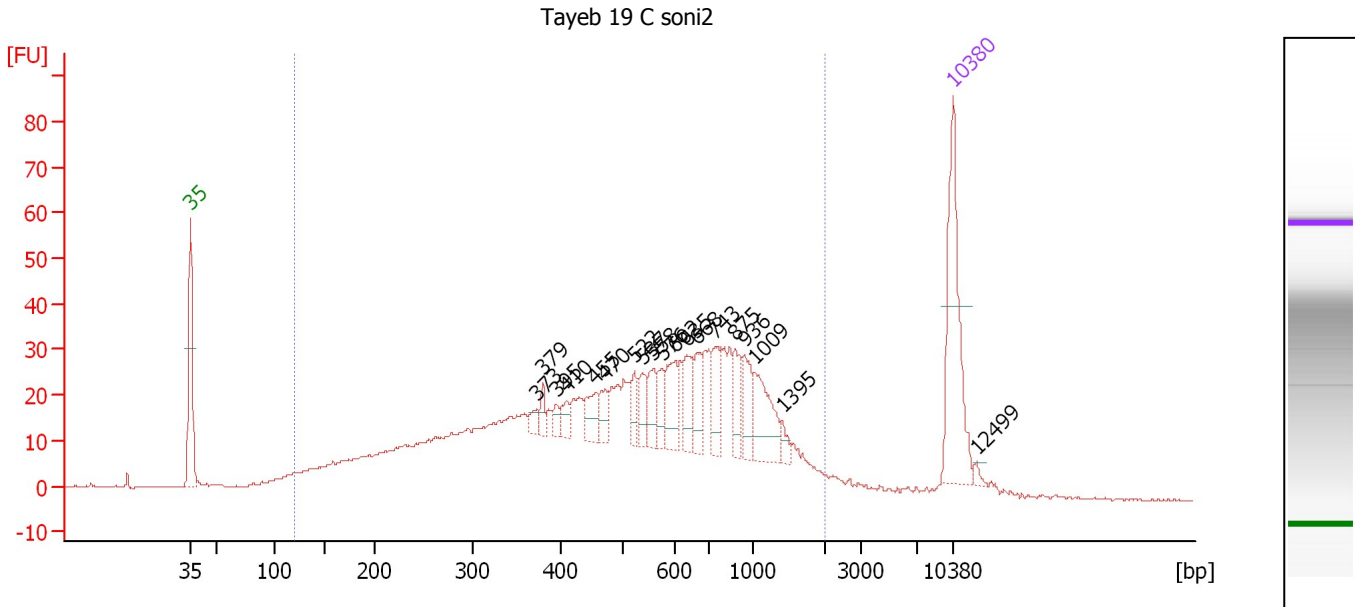
Region table for sample 7 : Tayeb 18 C soni2

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 133 | 1,667 | 520.9 | 93 | 432 | 51.3 | 581.24 | 2,851.1 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-10\2014-09-10_003.xad

Created: 9/10/2014 1:32:18 PM
 Modified: 9/10/2014 2:53:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Tayeb 19 C soni2

Number of peaks found: 19 Corr. Area 1: 1,044.5
 Noise: 0.1

Peak table for sample 8 : Tayeb 19 C soni2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 373 | 7.43 | 30.2 | |
| 3 | 379 | 8.36 | 33.4 | |
| 4 | 395 | 6.99 | 26.8 | |
| 5 | 410 | 9.98 | 36.9 | |
| 6 | 455 | 18.65 | 62.1 | |
| 7 | 470 | 14.35 | 46.2 | |
| 8 | 522 | 13.27 | 38.5 | |
| 9 | 537 | 16.58 | 46.8 | |
| 10 | 558 | 19.27 | 52.3 | |
| 11 | 576 | 14.03 | 36.9 | |
| 12 | 602 | 29.46 | 74.2 | |
| 13 | 635 | 25.19 | 60.1 | |
| 14 | 668 | 22.46 | 51.0 | |
| 15 | 743 | 23.72 | 48.4 | |
| 16 | 875 | 21.34 | 36.9 | |
| 17 | 936 | 23.59 | 38.2 | |
| 18 | 1,009 | 38.10 | 57.2 | |
| 19 | 1,395 | 6.40 | 7.0 | |
| 20 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 21 | 12,499 | 0.00 | 0.0 | |

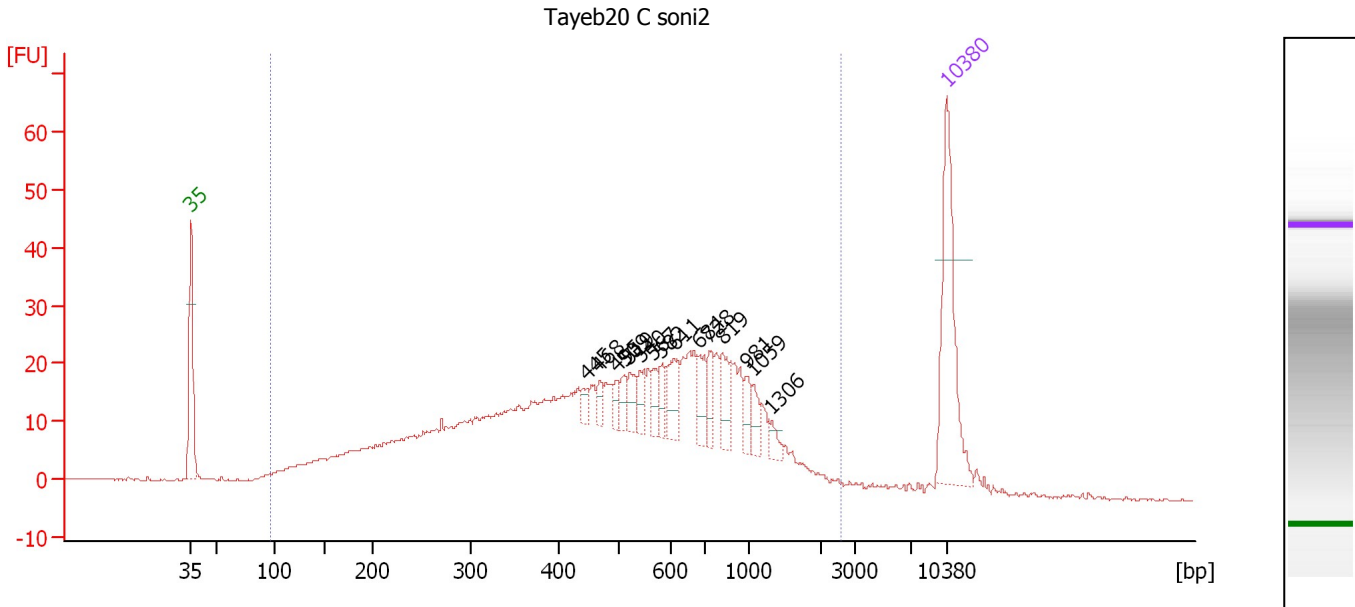
Region table for sample 8 : Tayeb 19 C soni2

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 119 | 1,997 | 1,044.5 | 94 | 596 | 57.6 | 1,256.12 | 5,035.2 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-10\2014-09-10_003.xad

Created: 9/10/2014 1:32:18 PM
 Modified: 9/10/2014 2:53:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Tayeb20 C soni2

Number of peaks found: 15 Corr. Area 1: 829.2
 Noise: 0.2

Peak table for sample 9 : Tayeb20 C soni2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 445 | 6.55 | 22.3 | |
| 3 | 468 | 7.95 | 25.8 | |
| 4 | 495 | 8.78 | 26.8 | |
| 5 | 509 | 10.33 | 30.7 | |
| 6 | 519 | 13.39 | 39.0 | |
| 7 | 540 | 11.45 | 32.1 | |
| 8 | 567 | 11.16 | 29.9 | |
| 9 | 582 | 11.53 | 30.0 | |
| 10 | 611 | 23.86 | 59.2 | |
| 11 | 684 | 18.53 | 41.0 | |
| 12 | 728 | 14.73 | 30.6 | |
| 13 | 819 | 21.02 | 38.9 | |
| 14 | 981 | 11.68 | 18.0 | |
| 15 | 1,059 | 10.26 | 14.7 | |
| 16 | 1,306 | 6.38 | 7.4 | |
| 17 | 10,380 | 75.00 | 10.9 | Upper Marker |

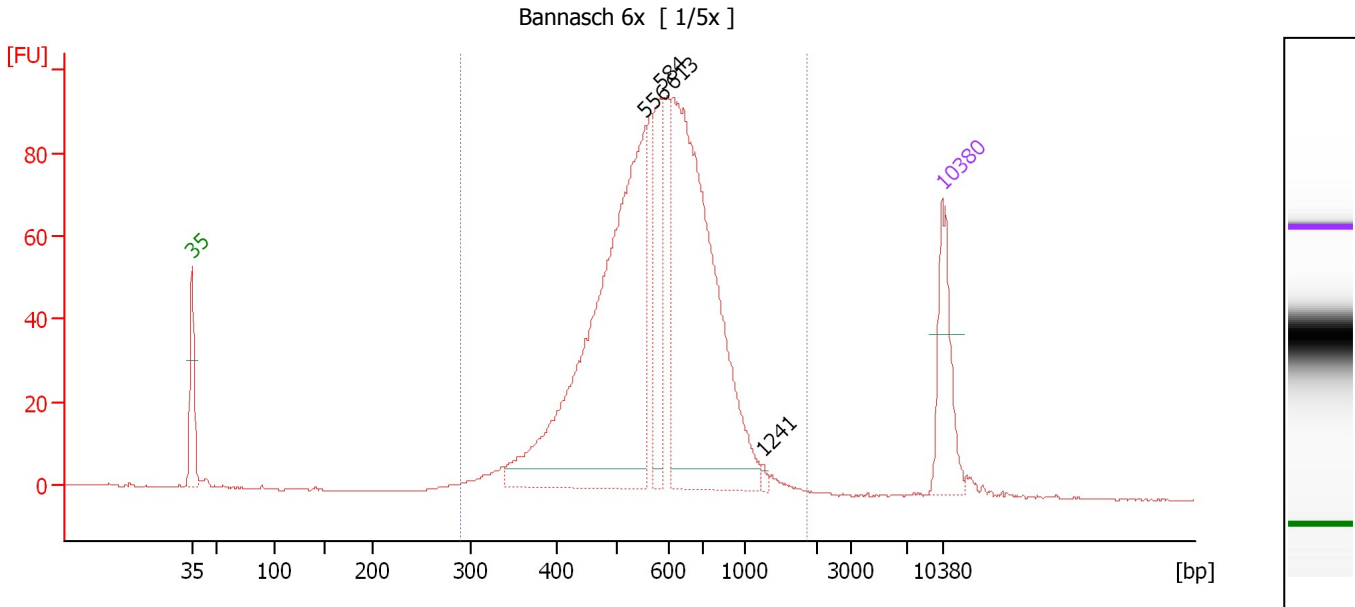
Region table for sample 9 : Tayeb20 C soni2

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 96 | 2,614 | 829.2 | 96 | 582 | 62.1 | 1,174.16 | 5,001.3 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-10\2014-09-10_003.xad

Created: 9/10/2014 1:32:18 PM
 Modified: 9/10/2014 2:53:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Bannasch 6x

Number of peaks found: 4 Corr. Area 1: 1,347.7
 Noise: 0.1

Peak table for sample 10 : Bannasch 6x

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 556 | 626.52 | 1,707.8 | |
| 3 | 584 | 123.95 | 321.4 | |
| 4 | 613 | 535.64 | 1,324.3 | |
| 5 | 1,241 | 3.98 | 4.9 | |
| 6 | 10,380 | 75.00 | 10.9 | Upper Marker |

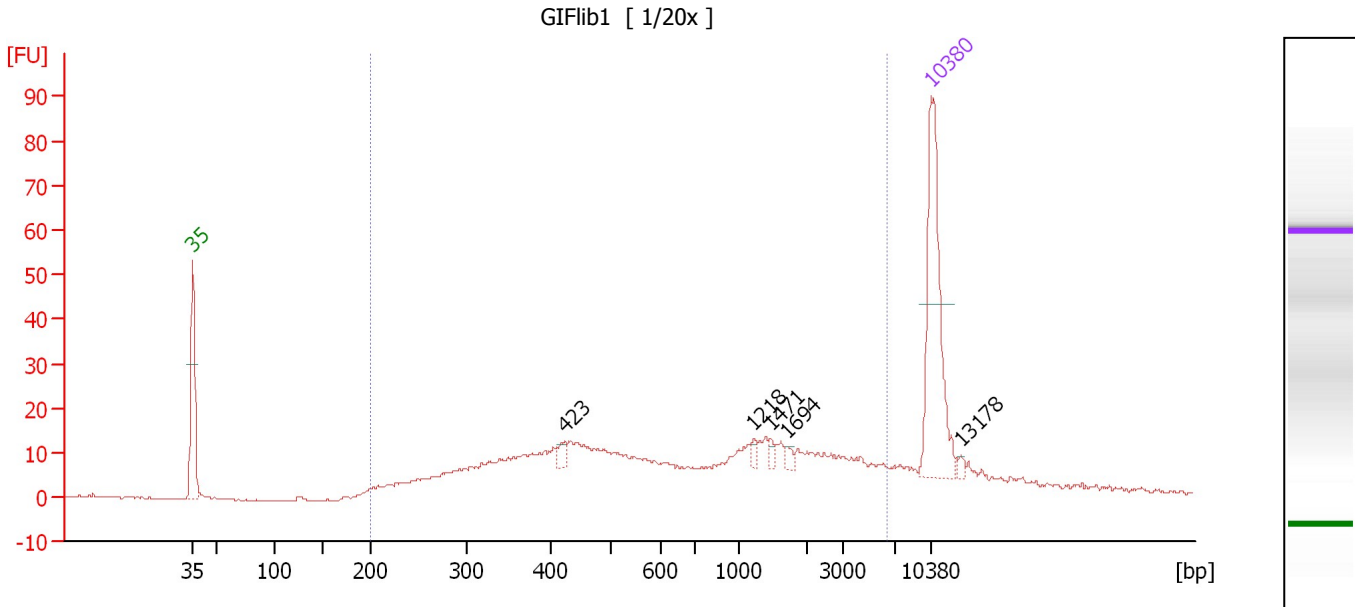
Region table for sample 10 : Bannasch 6x

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 291 | 1,855 | 1,347.7 | 98 | 603 | 27.9 | 1,555.53 | 4,246.8 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-10\2014-09-10_003.xad

Created: 9/10/2014 1:32:18 PM
 Modified: 9/10/2014 2:53:40 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : GIFlib1

Number of peaks found: 5 Corr. Area 1: 443.7
 Noise: 0.1

Peak table for sample 11 : GIFlib1

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 423 | 6.72 | 24.1 | |
| 3 | 1,218 | 3.47 | 4.3 | |
| 4 | 1,471 | 3.16 | 3.3 | |
| 5 | 1,694 | 3.04 | 2.7 | |
| 6 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 7 | 13,178 | 0.00 | 0.0 | |

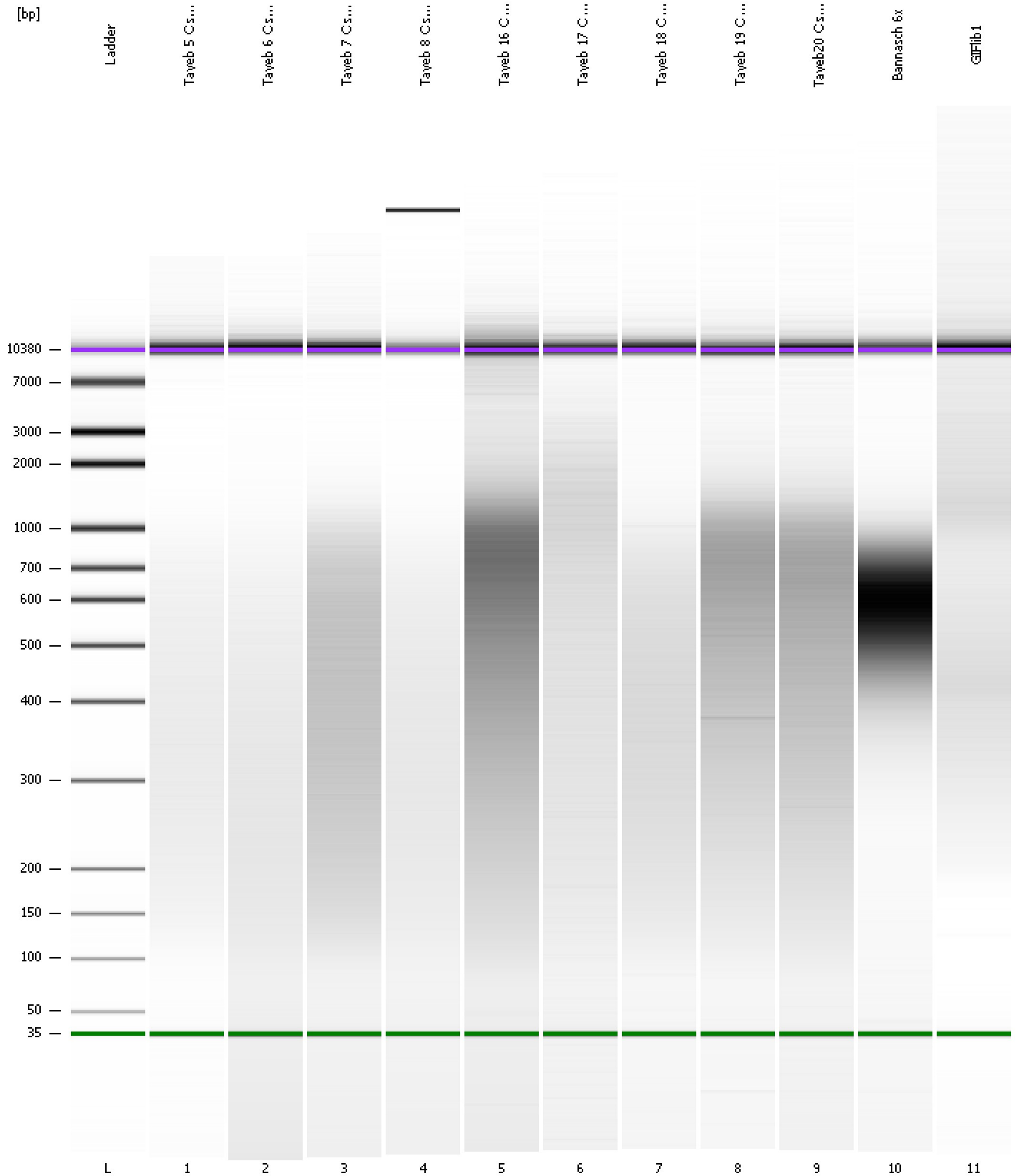
Region table for sample 11 : GIFlib1

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 200 | 6,343 | 443.7 | 88 | 1,157 | 100.0 | 419.16 | 1,293.5 | Blue |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-10\2014-09-10_003.xad

Created: 9/10/2014 1:32:18 PM
Modified: 9/10/2014 2:53:40 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-09-10\2014-09-10_003.xad

Created: 9/10/2014 1:32:18 PM
 Modified: 9/10/2014 2:53:40 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 | | 9/10/2014 2:13:35 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-09-10\2014-09-10_003.xad) | | Instrument | Run | | 9/10/2014 1:32:23 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 9/10/2014 1:32:23 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 9/10/2014 1:32:23 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 9/10/2014 1:32:23 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 9/10/2014 1:32:23 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 9/10/2014 1:32:23 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 9/10/2014 1:32:23 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |