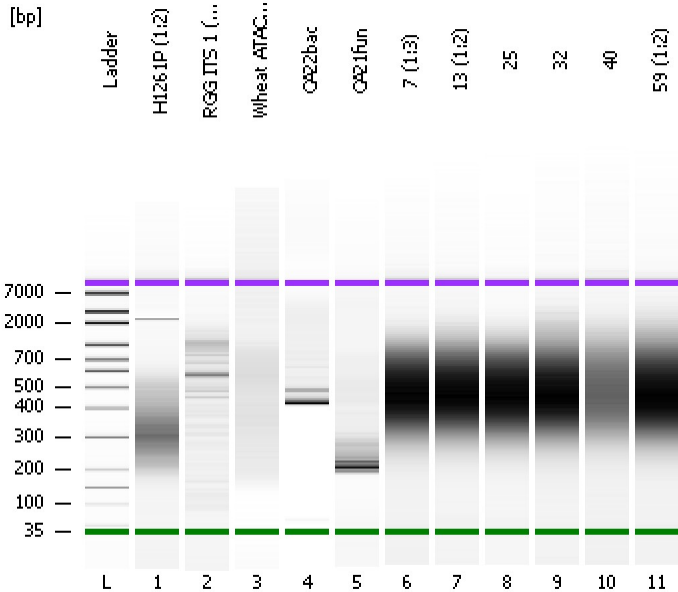


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-05\2018-04-05_002.xad

Created: 4/5/2018 4:30:55 PM
Modified: 4/5/2018 5:13:21 PM

Electrophoresis File Run Summary



Instrument Information:

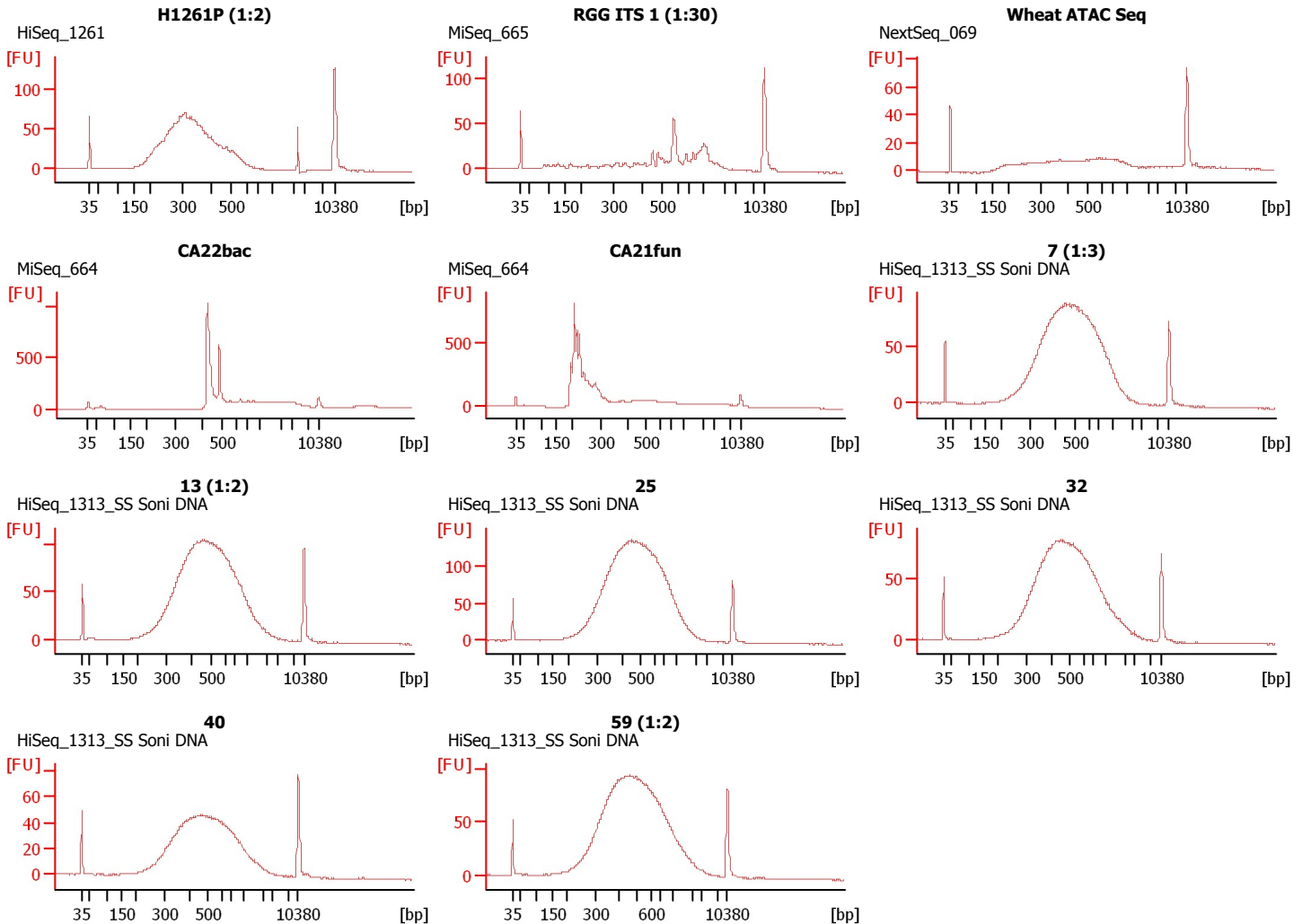
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-05\2018-04-05_002.xad

Created: 4/5/2018 4:30:55 PM
 Modified: 4/5/2018 5:13:21 PM

Electrophoresis File Run Summary (Chip Summary)

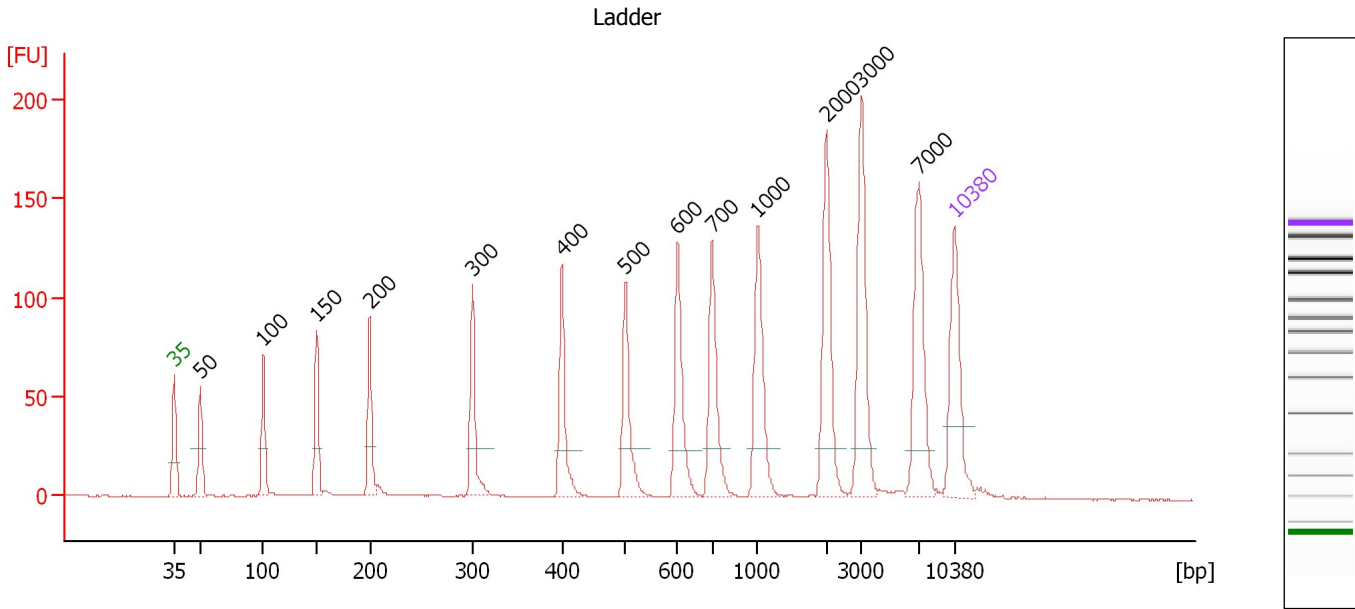
| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|-------------------|---------------------------|--------------------------|--------|--------------------------|--------------|--------------|
| H1261P (1:2) | HiSeq_1261 | <input type="checkbox"/> | ✓ | | | |
| RGG ITS 1 (1:30) | MiSeq_665 | <input type="checkbox"/> | ✓ | | | |
| Wheat ATAC Seq | NextSeq_069 | <input type="checkbox"/> | ✓ | | | |
| CA22bac | MiSeq_664 | <input type="checkbox"/> | ✓ | | | |
| CA21fun | MiSeq_664 | <input type="checkbox"/> | ✓ | | | |
| 7 (1:3) | HiSeq_1313_SS Soni DNA | <input type="checkbox"/> | ✓ | | | |
| 13 (1:2) | HiSeq_1313_SS Soni DNA | <input type="checkbox"/> | ✓ | | | |
| 25 | HiSeq_1313_SS Soni DNA | <input type="checkbox"/> | ✓ | | | |
| 32 | HiSeq_1313_SS Soni DNA | <input type="checkbox"/> | ✓ | | | |
| 40 | HiSeq_1313_SS Soni DNA | <input type="checkbox"/> | ✓ | | | |
| 59 (1:2) | HiSeq_1313_SS Soni DNA | <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\2018-04-05\2018-04-05_002.xad

Created: 4/5/2018 4:30:55 PM
 Modified: 4/5/2018 5:13:21 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

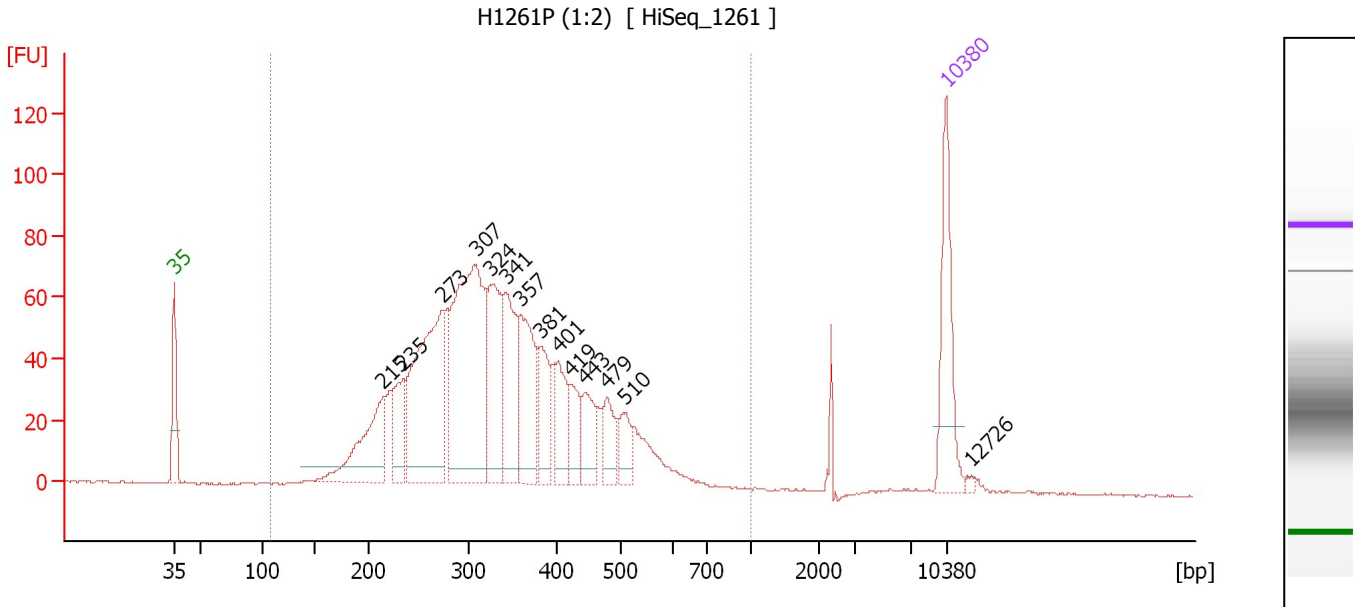
Peak table for Ladder

| 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 | 45.34 |
| 3 | 100 | 150.00 | 2,272.7 | Ladder Peak | 50.98 |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak | 55.77 |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak | 60.55 |
| 6 | 300 | 150.00 | 757.6 | Ladder Peak | 69.78 |
| 7 | 400 | 150.00 | 568.2 | Ladder Peak | 77.76 |
| 8 | 500 | 150.00 | 454.5 | Ladder Peak | 83.45 |
| 9 | 600 | 150.00 | 378.8 | Ladder Peak | 88.14 |
| 10 | 700 | 150.00 | 324.7 | Ladder Peak | 91.24 |
| 11 | 1,000 | 150.00 | 227.3 | Ladder Peak | 95.31 |
| 12 | 2,000 | 150.00 | 113.6 | Ladder Peak | 101.52 |
| 13 | 3,000 | 150.00 | 75.8 | Ladder Peak | 104.63 |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak | 109.80 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-05\2018-04-05_002.xad

Created: 4/5/2018 4:30:55 PM
 Modified: 4/5/2018 5:13:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : H1261P (1:2)

Number of peaks found: 14 Corr. Area 1: 1,666.3
 Noise: 0.3

Peak table for sample 1 : H1261P (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 | 215 | 123.92 | 872.5 | | 61.95 |
| 3 | 235 | 64.17 | 413.5 | | 63.79 |
| 4 | 273 | 255.30 | 1,417.8 | | 67.27 |
| 5 | 307 | 326.15 | 1,607.9 | | 70.36 |
| 6 | 324 | 123.05 | 574.9 | | 71.72 |
| 7 | 341 | 109.04 | 484.2 | | 73.07 |
| 8 | 357 | 110.35 | 468.4 | | 74.33 |
| 9 | 381 | 60.15 | 239.4 | | 76.21 |
| 10 | 401 | 51.20 | 193.6 | | 77.81 |
| 11 | 419 | 39.68 | 143.3 | | 78.87 |
| 12 | 443 | 41.50 | 141.9 | | 80.22 |
| 13 | 479 | 33.33 | 105.5 | | 82.25 |
| 14 | 510 | 27.00 | 80.3 | | 83.90 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 16 | 12,726 | 0.00 | 0.0 | | 115.22 |

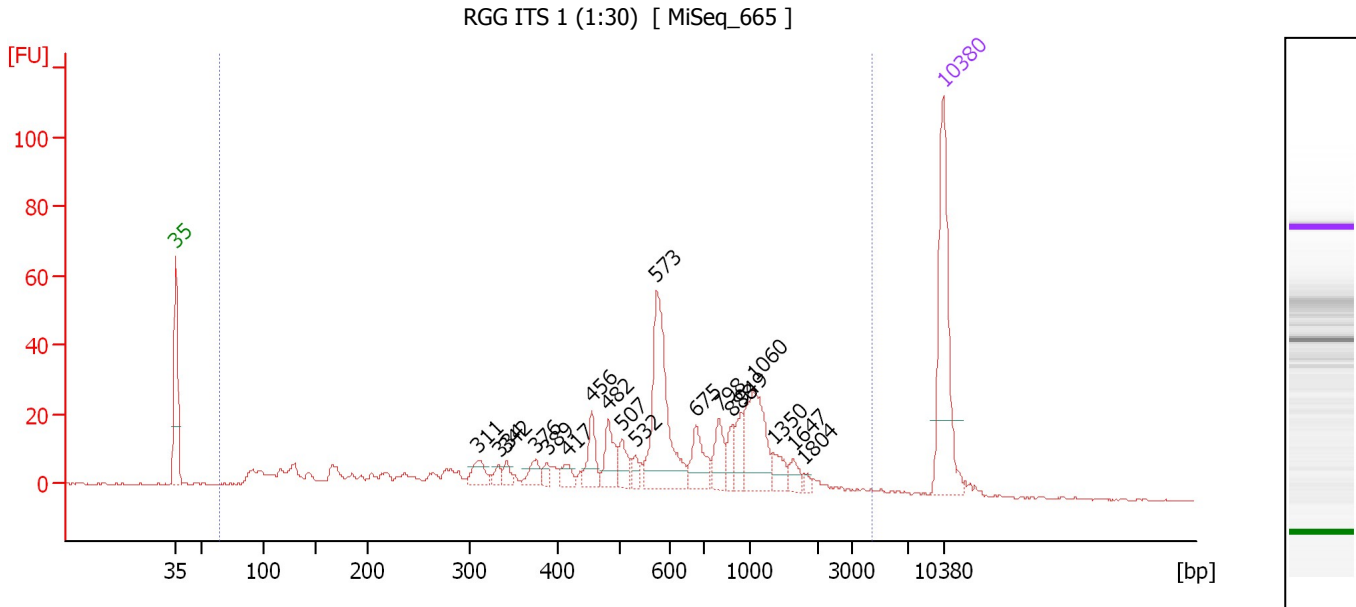
Region table for sample 1 : H1261P (1:2)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Conc. [pg/μl] | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|---------------|-------------------|-------------------|-----------------------------|
| 108 | 1,000 | 341 | 1,666.3 | 1,623.08 | 8,066.6 | 98 | 29.1 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-05\2018-04-05_002.xad

Created: 4/5/2018 4:30:55 PM
 Modified: 4/5/2018 5:13:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : RGG ITS 1 (1:30)

Number of peaks found: 19 Corr. Area 1: 623.1
 Noise: 0.3

Peak table for sample 2 : RGG ITS 1 (1:30)

| 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 | 311 | 14.70 | 71.7 | | 70.63 |
| 3 | 334 | 6.53 | 29.6 | | 72.48 |
| 4 | 342 | 6.90 | 30.6 | | 73.11 |
| 5 | 376 | 11.36 | 45.8 | | 75.84 |
| 6 | 389 | 6.23 | 24.3 | | 76.86 |
| 7 | 417 | 9.31 | 33.8 | | 78.75 |
| 8 | 456 | 21.22 | 70.5 | | 80.94 |
| 9 | 482 | 23.59 | 74.1 | | 82.45 |
| 10 | 507 | 14.64 | 43.8 | | 83.76 |
| 11 | 532 | 7.40 | 21.1 | | 84.93 |
| 12 | 573 | 95.20 | 251.7 | | 86.88 |
| 13 | 675 | 25.58 | 57.4 | | 90.48 |
| 14 | 798 | 19.08 | 36.2 | | 92.57 |
| 15 | 888 | 11.35 | 19.4 | | 93.79 |
| 16 | 949 | 15.23 | 24.3 | | 94.61 |
| 17 | 1,060 | 50.31 | 71.9 | | 95.68 |
| 18 | 1,350 | 10.91 | 12.2 | | 97.48 |
| 19 | 1,647 | 7.68 | 7.1 | | 99.33 |
| 20 | 1,804 | 2.58 | 2.2 | | 100.30 |
| 21 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

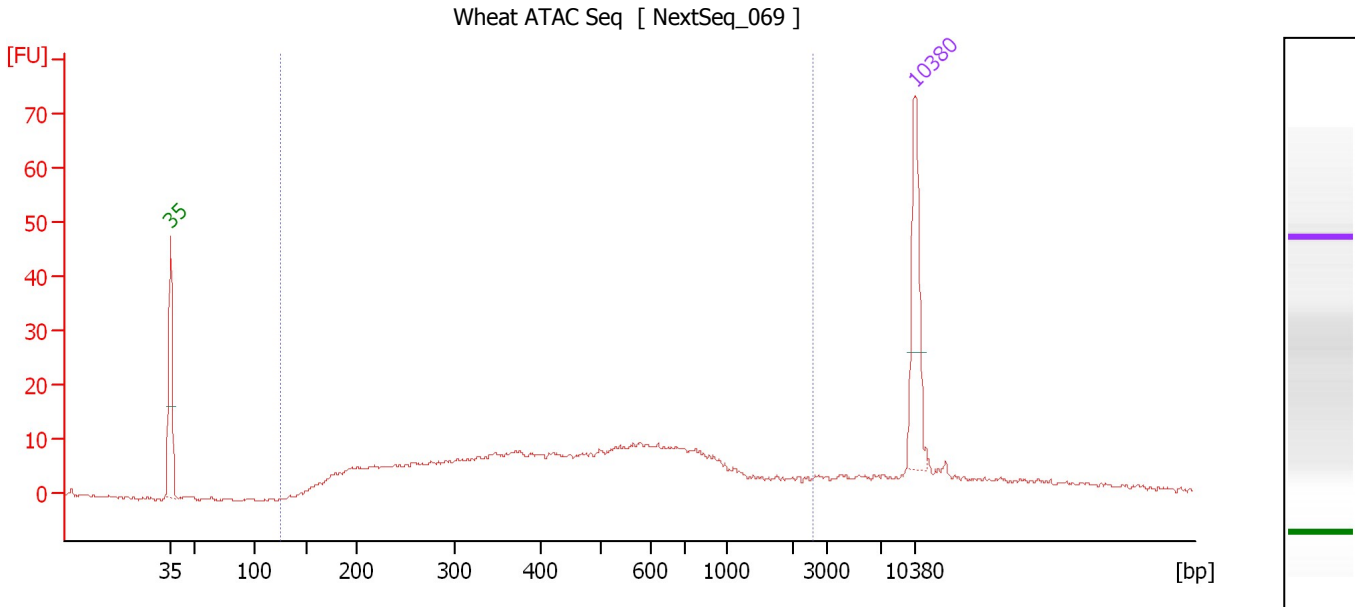
Region table for sample 2 : RGG ITS 1 (1:30)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Conc. [pg/μl] | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|---------------|-------------------|-------------------|-----------------------------|
| 65 | 4,446 | 700 | 623.1 | 610.17 | 2,877.9 | 97 | 72.8 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-05\2018-04-05_002.xad

Created: 4/5/2018 4:30:55 PM
 Modified: 4/5/2018 5:13:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Wheat ATAC Seq

Number of peaks found: 0 Corr. Area 1: 359.7
 Noise: 0.3

Peak table for sample 3 : Wheat ATAC Seq

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 2 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

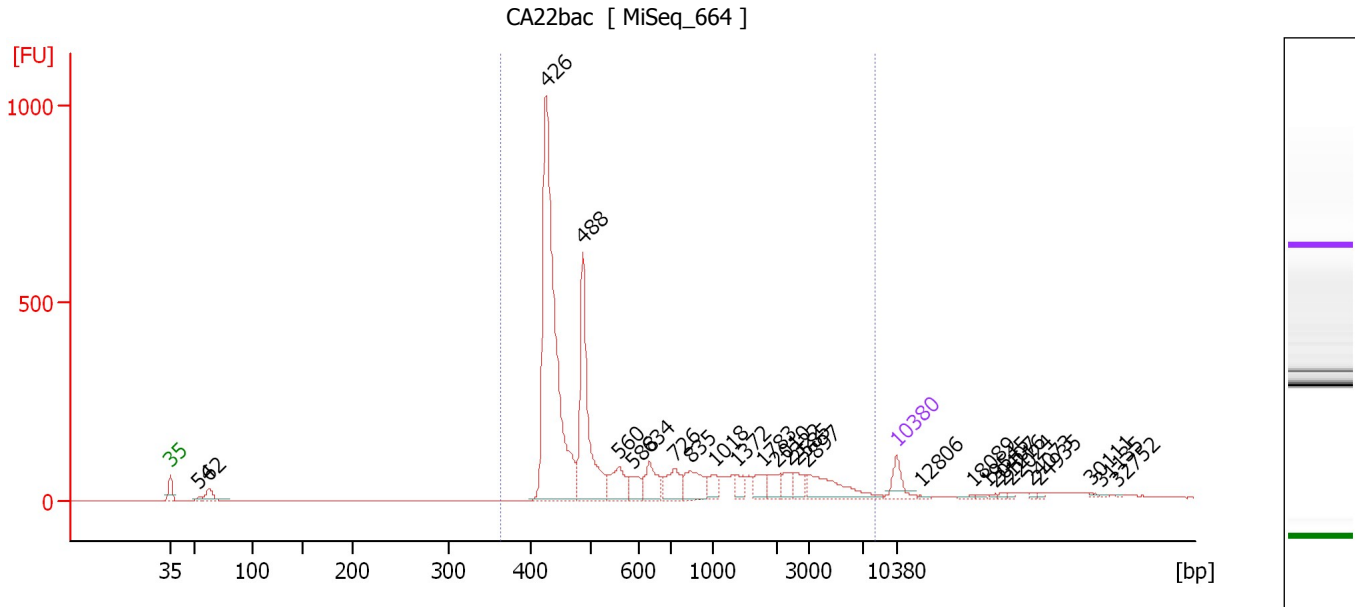
Region table for sample 3 : Wheat ATAC Seq

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Conc. [pg/μl] | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|---------------|-------------------|-------------------|-----------------------------|
| 124 | 2,585 | 551 | 359.7 | 730.85 | 3,134.9 | 86 | 71.3 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-05\2018-04-05_002.xad

Created: 4/5/2018 4:30:55 PM
 Modified: 4/5/2018 5:13:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : CA22bac

Number of peaks found: 27 Corr. Area 1: 3,941.4
 Noise: 0.3

Peak table for sample 4 : CA22bac

| 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 | 54 | 17.92 | 501.5 | | 45.81 |
| 3 | 62 | 84.17 | 2,047.3 | | 46.73 |
| 4 | 426 | 1,881.70 | 6,696.5 | | 79.23 |
| 5 | 488 | 704.04 | 2,187.2 | | 82.75 |
| 6 | 560 | 174.58 | 472.1 | | 86.28 |
| 7 | 588 | 82.22 | 212.0 | | 87.55 |
| 8 | 634 | 142.19 | 339.9 | | 89.19 |
| 9 | 726 | 143.51 | 299.7 | | 91.59 |
| 10 | 835 | 152.21 | 276.2 | | 93.07 |
| 11 | 1,018 | 64.55 | 96.0 | | 95.42 |
| 12 | 1,372 | 50.40 | 55.7 | | 97.62 |
| 13 | 1,783 | 64.14 | 54.5 | | 100.18 |
| 14 | 2,010 | 63.70 | 48.0 | | 101.55 |
| 15 | 2,322 | 58.20 | 38.0 | | 102.53 |
| 16 | 2,585 | 54.30 | 31.8 | | 103.34 |
| 17 | 2,897 | 185.40 | 96.9 | | 104.31 |
| 18 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 19 | 12,806 | 0.00 | 0.0 | | 115.30 |
| 20 | 18,089 | 0.00 | 0.0 | | 120.31 |
| 21 | 19,545 | 0.00 | 0.0 | | 121.69 |
| 22 | 20,407 | 0.00 | 0.0 | | 122.50 |
| 23 | 21,216 | 0.00 | 0.0 | | 123.27 |
| 24 | 22,024 | 0.00 | 0.0 | | 124.04 |
| 25 | 24,073 | 0.00 | 0.0 | | 125.98 |


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-05\2018-04-05_002.xad

Created: 4/5/2018 4:30:55 PM
Modified: 4/5/2018 5:13:21 PM

Electropherogram Summary Continued ...**... Peak table for sample 4 : CA22bac**

| Peak | Size [bp] | Conc. [pg/ μ l] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------------|-------------------|--------------|----------------------------|
| 26 | 24,935 | 0.00 | 0.0 | | 126.80 |
| 27 | 30,111 | 0.00 | 0.0 | | 131.70 |
| 28 | 31,135 | 0.00 | 0.0 | | 132.67 |
| 29 | 32,752 | 0.00 | 0.0 | | 134.20 |

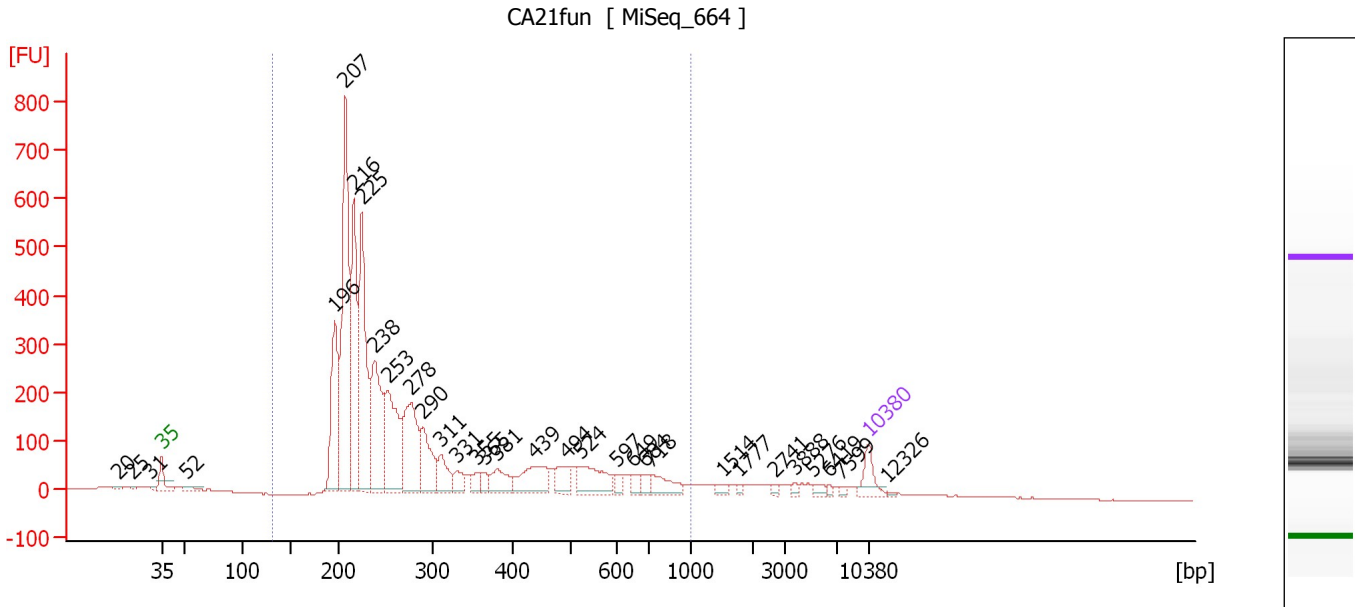
Region table for sample 4 : CA22bac

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Conc. [pg/ μ l] | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|---------------------|-------------------|--|-----------------------------|
| 363 | 8,191 | 1,003 | 3,941.4 | 3,838.73 | 10,513.8 |  94 | 100.0 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-05\2018-04-05_002.xad

Created: 4/5/2018 4:30:55 PM
 Modified: 4/5/2018 5:13:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : CA21fun

Number of peaks found: 32 Corr. Area 1: 5,859.6
 Noise: 0.6

Peak table for sample 5 : CA21fun

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 20 | 0.00 | 0.0 | | 38.78 |
| 2 | 25 | 0.00 | 0.0 | | 40.10 |
| 3 | 31 | 0.00 | 0.0 | | 41.95 |
| 4 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 5 | 52 | 30.79 | 903.0 | | 45.53 |
| 6 | 196 | 570.84 | 4,420.9 | | 60.13 |
| 7 | 207 | 1,184.61 | 8,674.7 | | 61.19 |
| 8 | 216 | 695.86 | 4,880.1 | | 62.03 |
| 9 | 225 | 869.11 | 5,862.6 | | 62.82 |
| 10 | 238 | 569.43 | 3,620.2 | | 64.08 |
| 11 | 253 | 535.67 | 3,213.0 | | 65.40 |
| 12 | 278 | 479.50 | 2,615.8 | | 67.72 |
| 13 | 290 | 260.41 | 1,359.1 | | 68.88 |
| 14 | 311 | 132.27 | 645.3 | | 70.62 |
| 15 | 331 | 64.60 | 295.7 | | 72.25 |
| 16 | 355 | 55.32 | 235.8 | | 74.20 |
| 17 | 365 | 47.41 | 197.0 | | 74.94 |
| 18 | 381 | 118.40 | 471.4 | | 76.21 |
| 19 | 439 | 198.38 | 684.0 | | 80.00 |
| 20 | 494 | 105.88 | 324.7 | | 83.11 |
| 21 | 524 | 191.71 | 554.0 | | 84.59 |
| 22 | 597 | 30.82 | 78.2 | | 88.02 |
| 23 | 649 | 37.07 | 86.6 | | 89.65 |
| 24 | 684 | 37.37 | 82.7 | | 90.76 |
| 25 | 718 | 94.11 | 198.5 | | 91.49 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-05\2018-04-05_002.xad

Created: 4/5/2018 4:30:55 PM
 Modified: 4/5/2018 5:13:21 PM

Electropherogram Summary Continued ...

... Peak table for sample 5 : CA21fun

| Peak | Size [bp] | Conc. [pg/ μ l] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------------|-------------------|--------------|----------------------------|
| 26 | 1,514 | 22.77 | 22.8 | | 98.50 |
| 27 | 1,777 | 10.55 | 9.0 | | 100.14 |
| 28 | 2,741 | 14.88 | 8.2 | | 103.83 |
| 29 | 3,888 | 12.35 | 4.8 | | 105.78 |
| 30 | 5,276 | 21.61 | 6.2 | | 107.57 |
| 31 | 6,419 | 9.84 | 2.3 | | 109.05 |
| 32 | 7,599 | 9.13 | 1.8 | | 110.36 |
| 33 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 34 | 12,326 | 0.00 | 0.0 | | 114.84 |

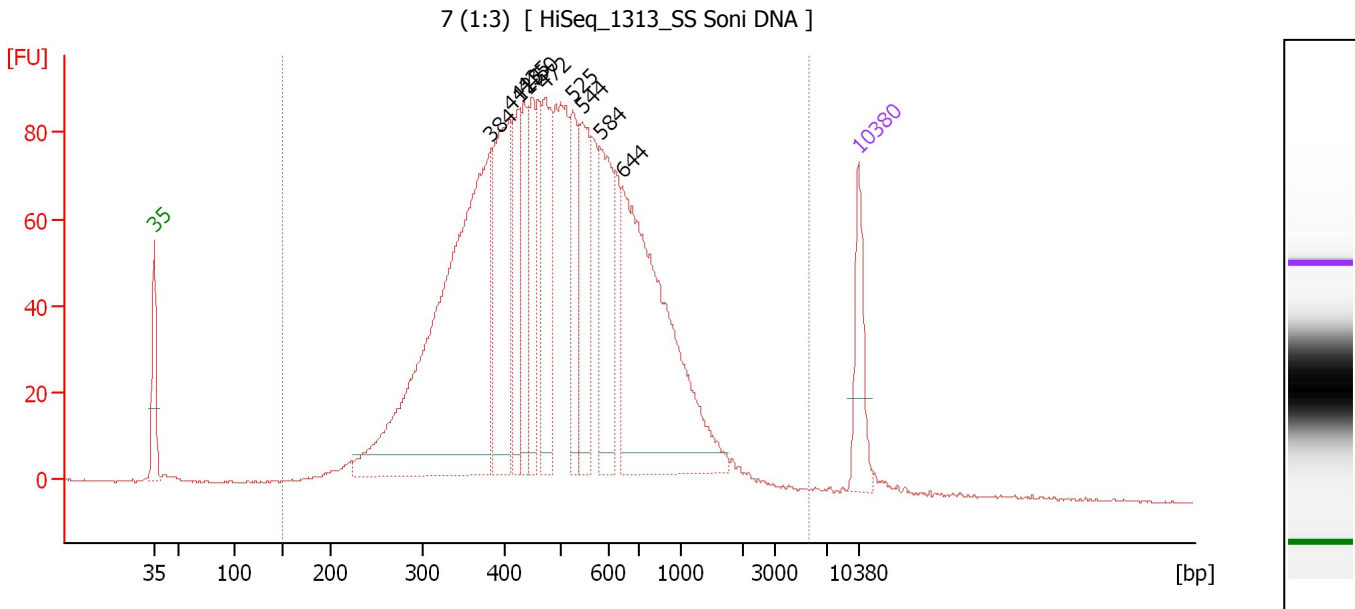
Region table for sample 5 : CA21fun

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Conc. [pg/ μ l] | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|---------------------|-------------------|-------------------|-----------------------------|
| 131 | 1,000 | 309 | 5,859.6 | 6,405.97 | 37,988.0 | 91 | 48.5 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-05\2018-04-05_002.xad

Created: 4/5/2018 4:30:55 PM
 Modified: 4/5/2018 5:13:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 7 (1:3)

Number of peaks found: 10 Corr. Area 1: 2,464.2
 Noise: 0.3

Peak table for sample 6 : 7 (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 | 384 | 948.40 | 3,744.4 | | 76.46 |
| 3 | 411 | 302.10 | 1,114.5 | | 78.37 |
| 4 | 425 | 140.30 | 500.6 | | 79.16 |
| 5 | 435 | 115.18 | 401.3 | | 79.75 |
| 6 | 450 | 123.87 | 417.3 | | 80.59 |
| 7 | 472 | 181.73 | 583.2 | | 81.87 |
| 8 | 525 | 125.95 | 363.6 | | 84.62 |
| 9 | 544 | 163.76 | 456.0 | | 85.52 |
| 10 | 584 | 178.48 | 463.3 | | 87.37 |
| 11 | 644 | 563.72 | 1,327.2 | | 89.49 |
| 12 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

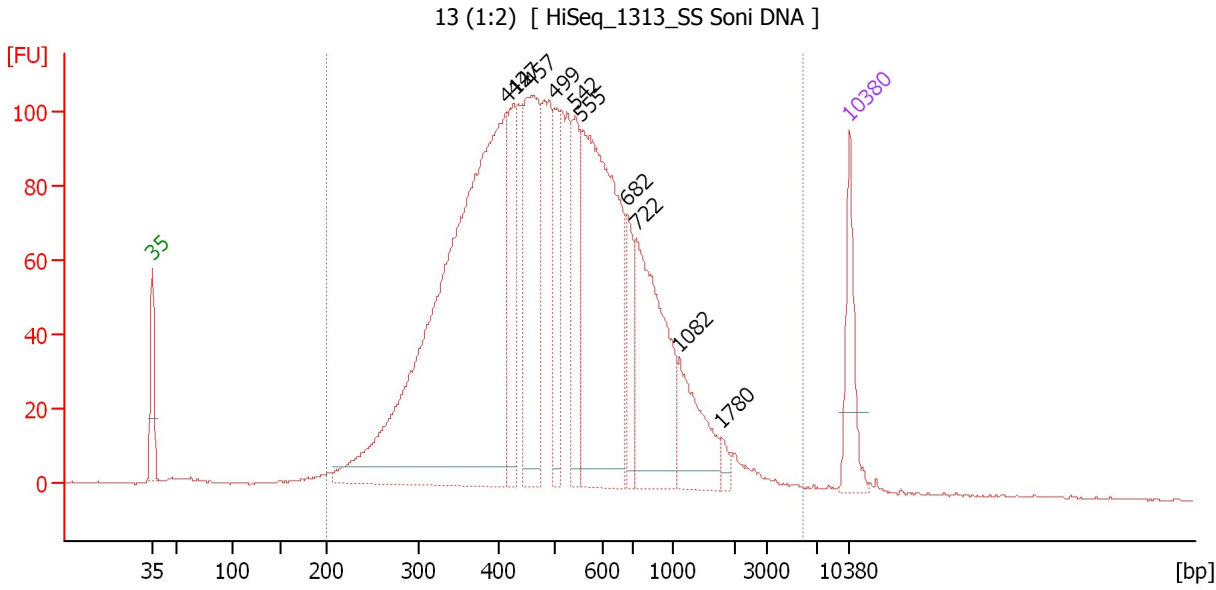
Region table for sample 6 : 7 (1:3)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Conc. [pg/μl] | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|---------------|-------------------|-------------------|-----------------------------|
| 150 | 5,566 | 555 | 2,464.2 | 3,842.75 | 13,227.4 | 98 | 61.0 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-05\2018-04-05_002.xad

Created: 4/5/2018 4:30:55 PM
 Modified: 4/5/2018 5:13:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 13 (1:2)

Number of peaks found: 10 Corr. Area 1: 2,897.9
 Noise: 0.2

Peak table for sample 7 : 13 (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 | 414 | 1,245.43 | 4,562.3 | | 78.54 |
| 3 | 427 | 149.93 | 532.3 | | 79.28 |
| 4 | 457 | 300.34 | 996.0 | | 81.00 |
| 5 | 499 | 108.55 | 329.5 | | 83.41 |
| 6 | 542 | 136.12 | 380.2 | | 85.44 |
| 7 | 555 | 546.28 | 1,491.4 | | 86.03 |
| 8 | 682 | 70.29 | 156.2 | | 90.68 |
| 9 | 722 | 295.62 | 620.6 | | 91.54 |
| 10 | 1,082 | 108.43 | 151.8 | | 95.82 |
| 11 | 1,780 | 11.96 | 10.2 | | 100.16 |
| 12 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

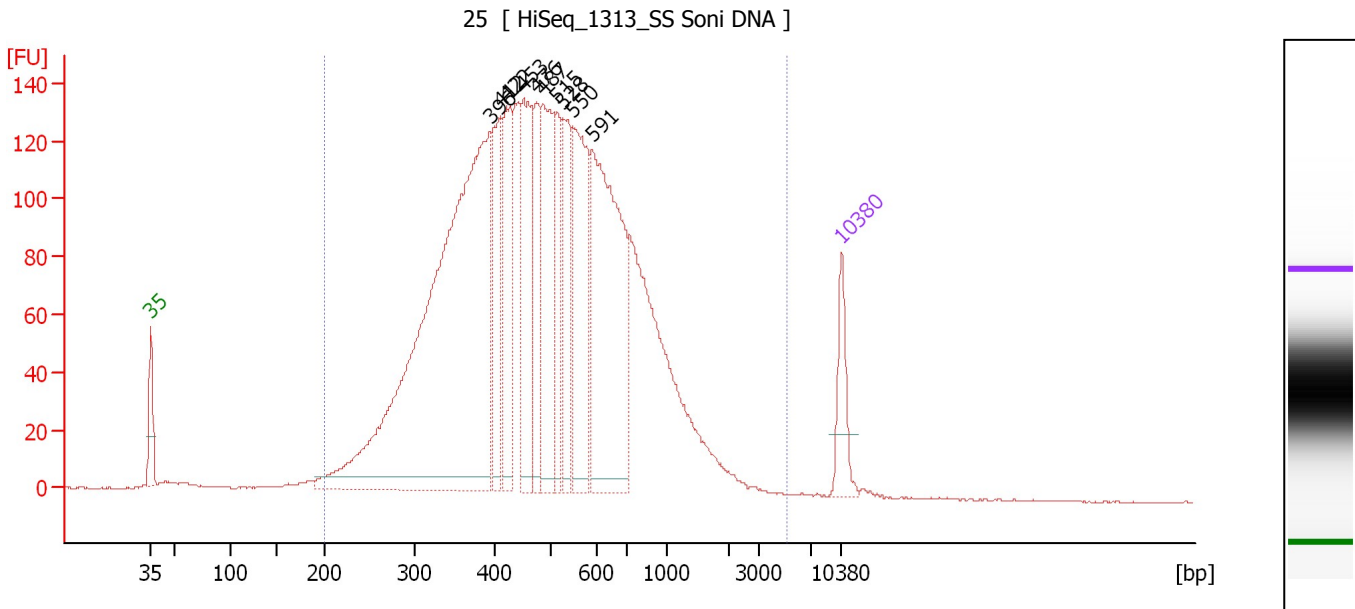
Region table for sample 7 : 13 (1:2)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Conc. [pg/μl] | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|---------------|-------------------|-------------------|-----------------------------|
| 200 | 5,867 | 580 | 2,897.9 | 3,678.53 | 12,407.0 | 98 | 69.1 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-05\2018-04-05_002.xad

Created: 4/5/2018 4:30:55 PM
 Modified: 4/5/2018 5:13:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 25

Number of peaks found: 10 Corr. Area 1: 3,746.0
 Noise: 0.2

Peak table for sample 8 : 25

| 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 | 396 | 1,663.39 | 6,371.5 | | 77.41 |
| 3 | 412 | 224.06 | 824.4 | | 78.43 |
| 4 | 422 | 230.28 | 826.3 | | 79.03 |
| 5 | 453 | 268.06 | 897.4 | | 80.75 |
| 6 | 476 | 199.68 | 635.1 | | 82.10 |
| 7 | 487 | 306.22 | 953.1 | | 82.70 |
| 8 | 515 | 152.06 | 447.3 | | 84.16 |
| 9 | 528 | 202.88 | 582.4 | | 84.75 |
| 10 | 550 | 344.32 | 949.1 | | 85.78 |
| 11 | 591 | 597.51 | 1,531.4 | | 87.72 |
| 12 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

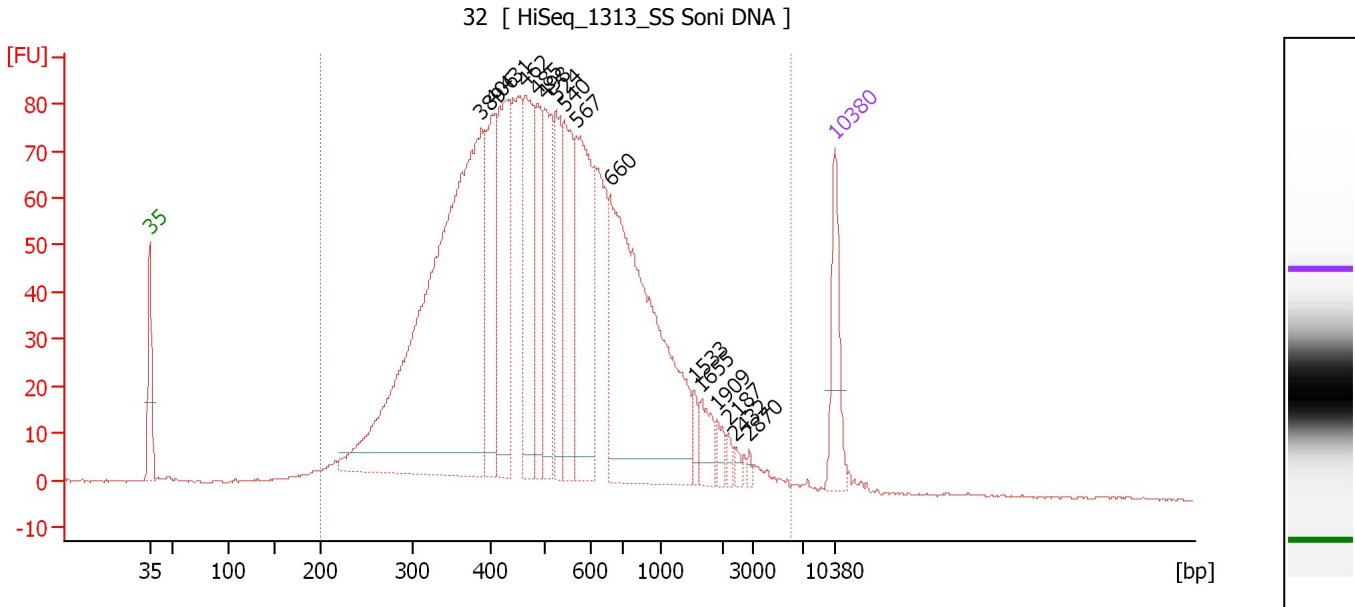
Region table for sample 8 : 25

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Conc. [pg/μl] | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|---------------|-------------------|-------------------|-----------------------------|
| 200 | 5,183 | 550 | 3,746.0 | 5,313.56 | 18,238.6 | 98 | 56.6 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-05\2018-04-05_002.xad

Created: 4/5/2018 4:30:55 PM
 Modified: 4/5/2018 5:13:21 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 32

Number of peaks found: 16 Corr. Area 1: 2,374.5
 Noise: 0.2

Peak table for sample 9 : 32

| 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 | 389 | 1,106.92 | 4,311.4 | | 76.88 |
| 3 | 406 | 207.73 | 775.9 | | 78.08 |
| 4 | 431 | 232.10 | 816.8 | | 79.50 |
| 5 | 462 | 193.13 | 633.2 | | 81.30 |
| 6 | 485 | 133.59 | 417.2 | | 82.60 |
| 7 | 498 | 165.01 | 502.5 | | 83.31 |
| 8 | 524 | 132.32 | 382.8 | | 84.56 |
| 9 | 540 | 156.23 | 438.3 | | 85.33 |
| 10 | 567 | 276.94 | 740.3 | | 86.58 |
| 11 | 660 | 591.99 | 1,358.3 | | 90.01 |
| 12 | 1,533 | 18.15 | 17.9 | | 98.62 |
| 13 | 1,655 | 34.75 | 31.8 | | 99.38 |
| 14 | 1,909 | 15.51 | 12.3 | | 100.96 |
| 15 | 2,187 | 8.95 | 6.2 | | 102.11 |
| 16 | 2,432 | 6.89 | 4.3 | | 102.87 |
| 17 | 2,870 | 5.32 | 2.8 | | 104.23 |
| 18 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

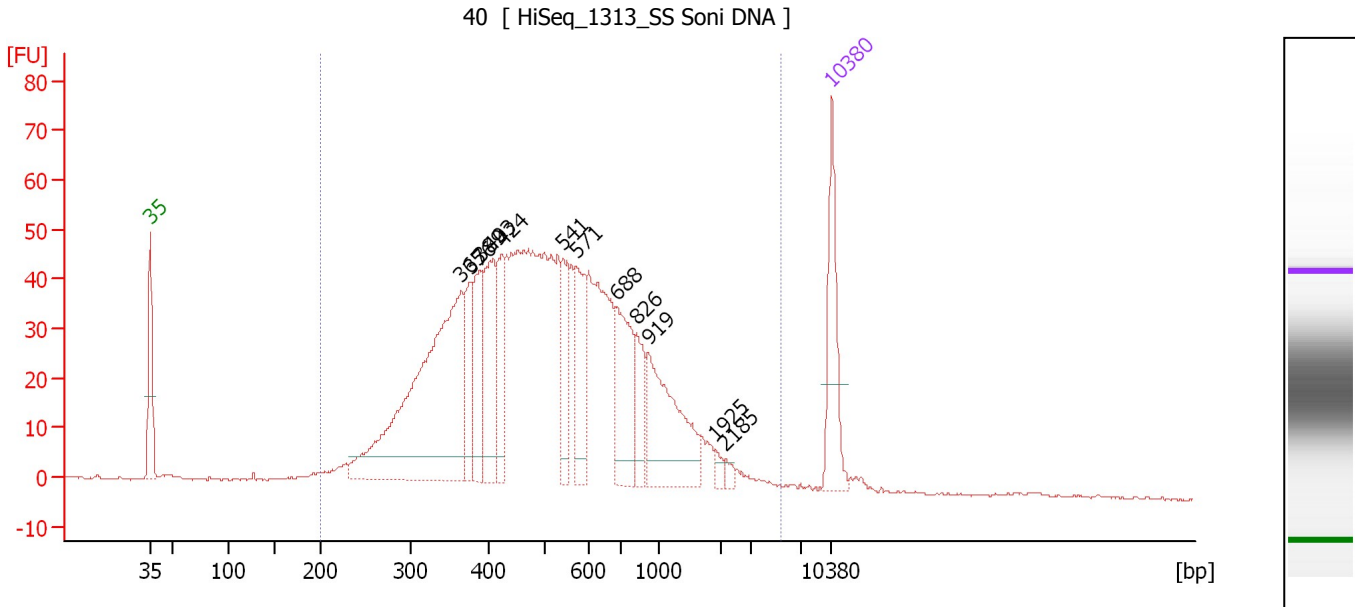
Region table for sample 9 : 32

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Conc. [pg/μl] | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|---------------|-------------------|-------------------|-----------------------------|
| 200 | 6,063 | 617 | 2,374.5 | 4,037.36 | 13,587.2 | 98 | 80.1 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-05\2018-04-05_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : 40

Number of peaks found: 12 Corr. Area 1: 1,396.8
 Noise: 0.2

Peak table for sample 10 : 40

| 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 | 365 | 459.84 | 1,907.4 | | 74.99 |
| 3 | 376 | 72.24 | 290.9 | | 75.86 |
| 4 | 389 | 88.58 | 345.4 | | 76.85 |
| 5 | 403 | 114.27 | 429.4 | | 77.95 |
| 6 | 424 | 72.46 | 258.7 | | 79.15 |
| 7 | 541 | 63.63 | 178.0 | | 85.39 |
| 8 | 571 | 81.86 | 217.3 | | 86.76 |
| 9 | 688 | 105.58 | 232.5 | | 90.87 |
| 10 | 826 | 44.66 | 81.9 | | 92.95 |
| 11 | 919 | 139.30 | 229.6 | | 94.21 |
| 12 | 1,925 | 7.05 | 5.6 | | 101.06 |
| 13 | 2,185 | 6.35 | 4.4 | | 102.10 |
| 14 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

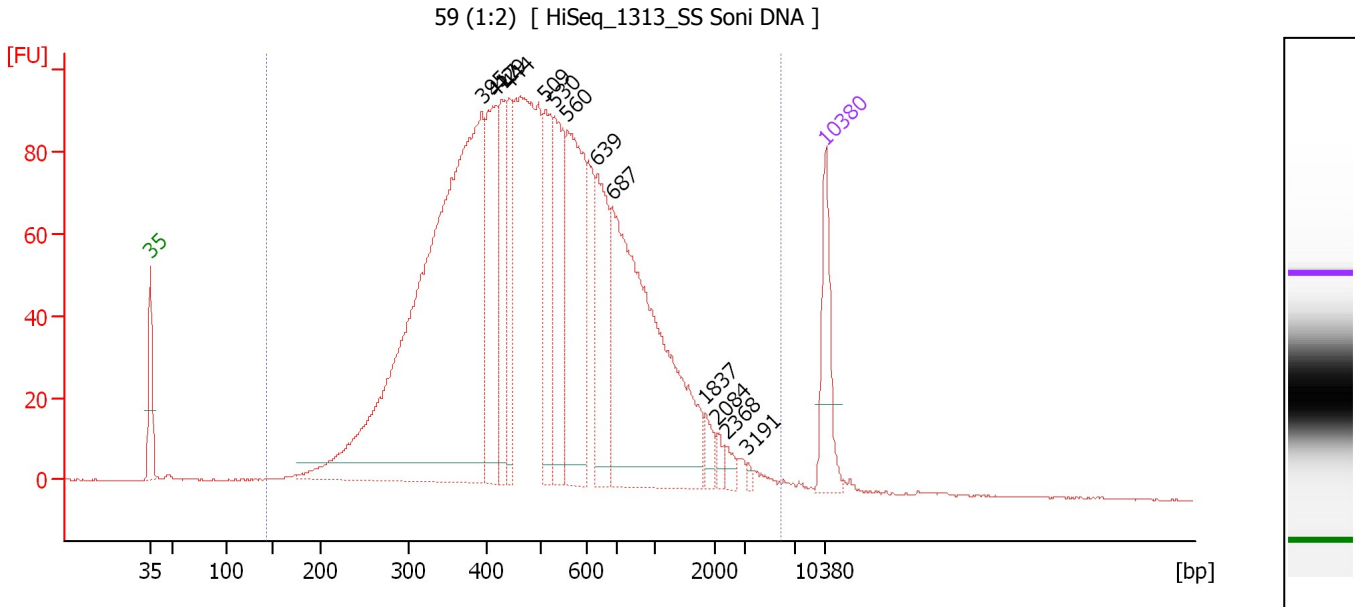
Region table for sample 10 : 40

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Conc. [pg/μl] | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|---------------|-------------------|-------------------|-----------------------------|
| 200 | 5,373 | 609 | 1,396.8 | 2,144.92 | 7,172.4 | 98 | 71.7 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-05\2018-04-05_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 11 : 59 (1:2)

Number of peaks found: 13 Corr. Area 1: 2,803.2
 Noise: 0.2

Peak table for sample 11 : 59 (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 | 395 | 1,199.03 | 4,598.8 | | 77.36 |
| 3 | 417 | 212.85 | 772.8 | | 78.75 |
| 4 | 429 | 120.72 | 426.4 | | 79.41 |
| 5 | 444 | 111.36 | 380.4 | | 80.24 |
| 6 | 509 | 156.65 | 466.1 | | 83.88 |
| 7 | 530 | 169.54 | 484.3 | | 84.88 |
| 8 | 560 | 267.68 | 724.3 | | 86.26 |
| 9 | 639 | 148.72 | 352.5 | | 89.35 |
| 10 | 687 | 551.04 | 1,215.0 | | 90.85 |
| 11 | 1,837 | 18.49 | 15.2 | | 100.51 |
| 12 | 2,084 | 8.56 | 6.2 | | 101.78 |
| 13 | 2,368 | 10.14 | 6.5 | | 102.67 |
| 14 | 3,191 | 3.87 | 1.8 | | 104.88 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Region table for sample 11 : 59 (1:2)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Conc. [pg/μl] | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|---------------|-------------------|-------------------|-----------------------------|
| 144 | 5,909 | 610 | 2,803.2 | 3,757.66 | 12,928.1 | 99 | 79.0 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-05\2018-04-05_002.xad

Created: 4/5/2018 4:30:55 PM
Modified: 4/5/2018 5:13:21 PM

Gel Image

