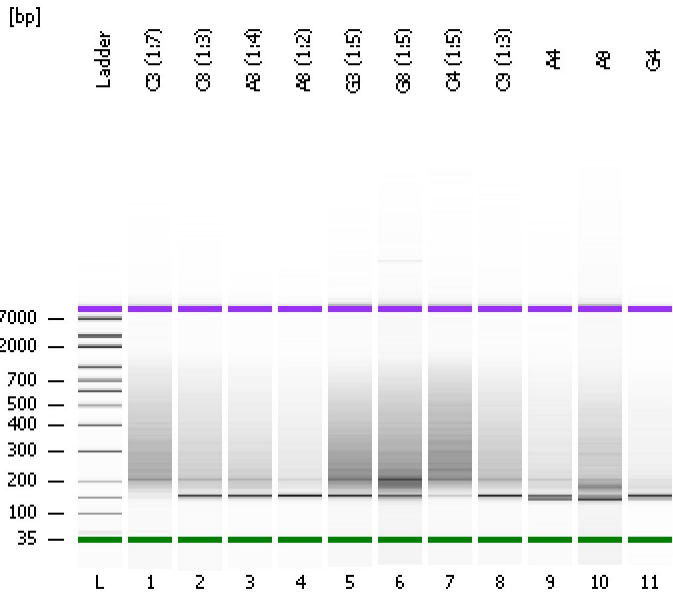


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-01\2018-02-01_002.xad

Created: 2/1/2018 3:24:26 PM
Modified: 2/1/2018 4:06:44 PM

Electrophoresis File Run Summary



Instrument Information:

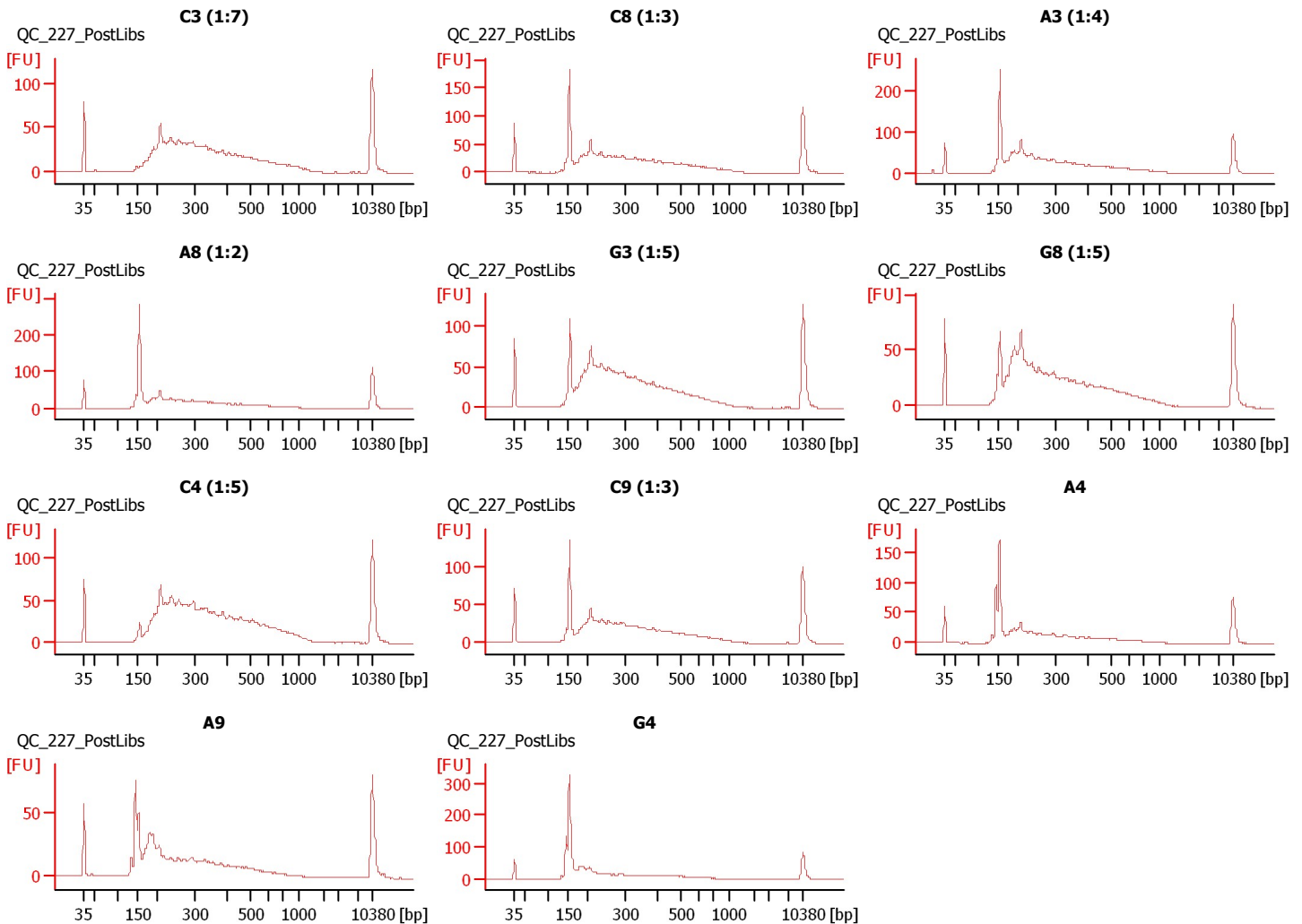
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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\2018-02-01\2018-02-01_002.xad

Created: 2/1/2018 3:24:26 PM
Modified: 2/1/2018 4:06:44 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|-------------|-----------------|--------------------------|--------|-------------|--------------|--------------|
| C3 (1:7) | QC_227_PostLibs | <input type="checkbox"/> | ✓ | | | |
| C8 (1:3) | QC_227_PostLibs | <input type="checkbox"/> | ✓ | | | |
| A3 (1:4) | QC_227_PostLibs | <input type="checkbox"/> | ✓ | | | |
| A8 (1:2) | QC_227_PostLibs | <input type="checkbox"/> | ✓ | | | |
| G3 (1:5) | QC_227_PostLibs | <input type="checkbox"/> | ✓ | | | |
| G8 (1:5) | QC_227_PostLibs | <input type="checkbox"/> | ✓ | | | |
| C4 (1:5) | QC_227_PostLibs | <input type="checkbox"/> | ✓ | | | |
| C9 (1:3) | QC_227_PostLibs | <input type="checkbox"/> | ✓ | | | |
| A4 | QC_227_PostLibs | <input type="checkbox"/> | ✓ | | | |
| A9 | QC_227_PostLibs | <input type="checkbox"/> | ✓ | | | |
| G4 | QC_227_PostLibs | <input type="checkbox"/> | ✓ | | | |
| Ladder | | <input type="checkbox"/> | ✓ | | | |

Chip Lot #

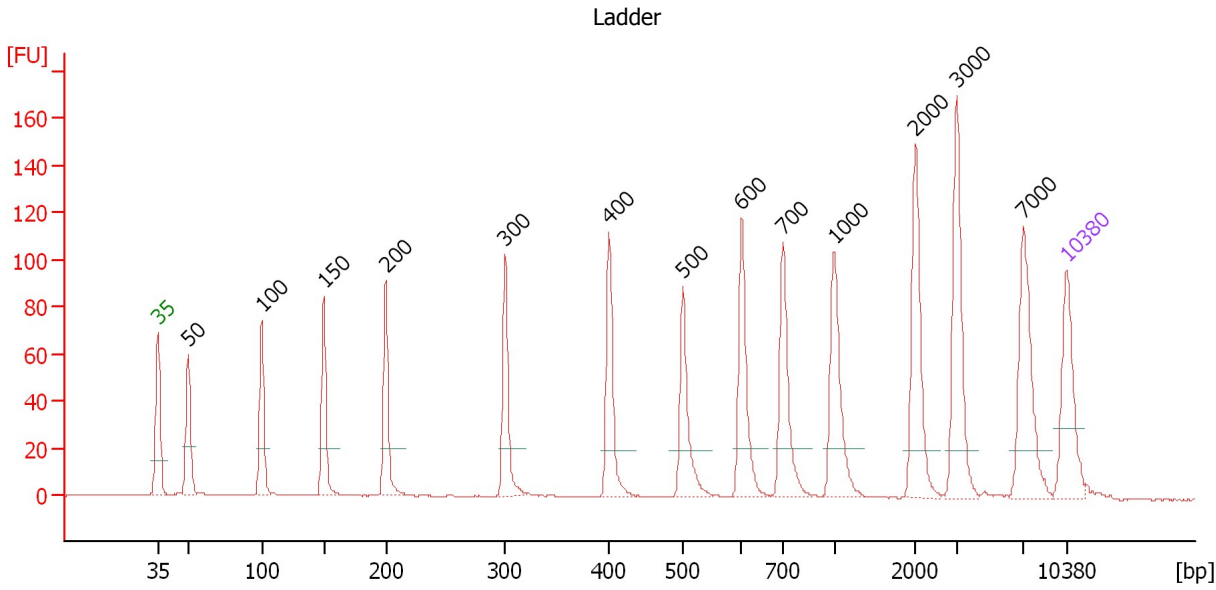
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-01\2018-02-01_002.xad

Created: 2/1/2018 3:24:26 PM
 Modified: 2/1/2018 4:06:44 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

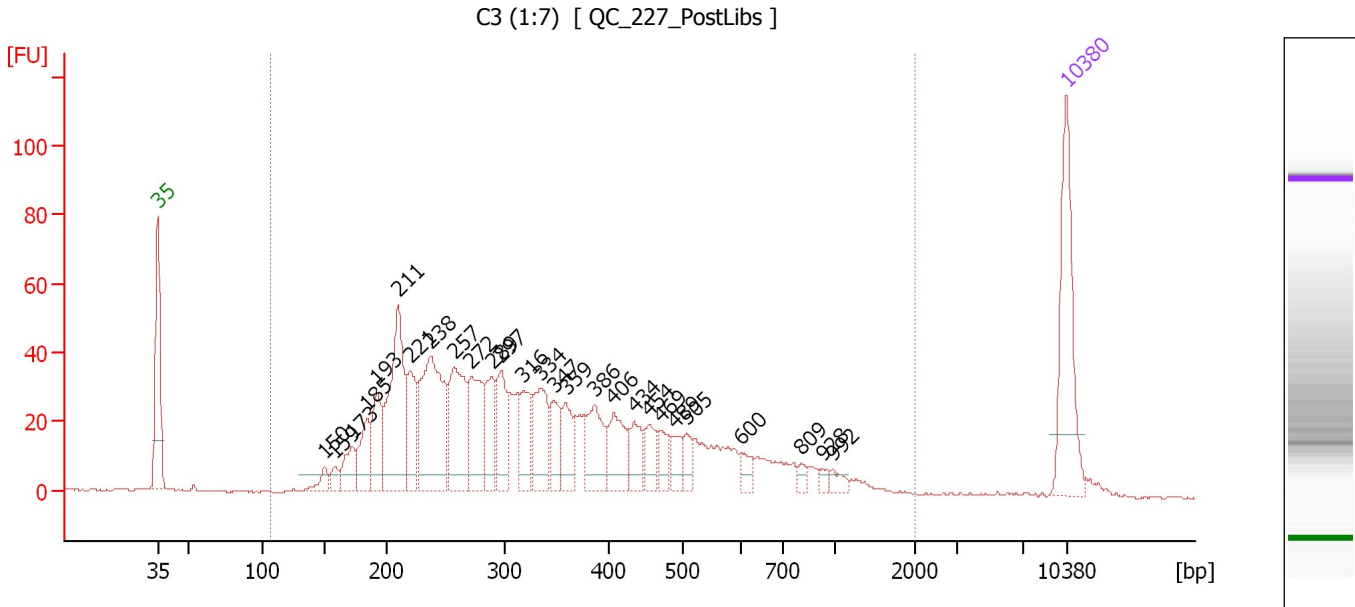
Peak table for Ladder

| 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 | 45.40 |
| 3 | 100 | 150.00 | 2,272.7 | Ladder Peak | 51.03 |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak | 55.82 |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak | 60.57 |
| 6 | 300 | 150.00 | 757.6 | Ladder Peak | 69.79 |
| 7 | 400 | 150.00 | 568.2 | Ladder Peak | 77.77 |
| 8 | 500 | 150.00 | 454.5 | Ladder Peak | 83.45 |
| 9 | 600 | 150.00 | 378.8 | Ladder Peak | 87.98 |
| 10 | 700 | 150.00 | 324.7 | Ladder Peak | 91.16 |
| 11 | 1,000 | 150.00 | 227.3 | Ladder Peak | 95.12 |
| 12 | 2,000 | 150.00 | 113.6 | Ladder Peak | 101.38 |
| 13 | 3,000 | 150.00 | 75.8 | Ladder Peak | 104.56 |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak | 109.66 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-01\2018-02-01_002.xad

Created: 2/1/2018 3:24:26 PM
 Modified: 2/1/2018 4:06:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : C3 (1:7)

Number of peaks found: 27 Corr. Area 1: 1,223.4
 Noise: 0.2

Peak table for sample 1 : C3 (1:7)

| 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 | 150 | 14.23 | 143.5 | | 55.85 |
| 3 | 159 | 11.75 | 111.9 | | 56.69 |
| 4 | 173 | 28.83 | 252.7 | | 58.00 |
| 5 | 185 | 41.41 | 340.0 | | 59.10 |
| 6 | 193 | 50.31 | 394.2 | | 59.94 |
| 7 | 211 | 138.16 | 993.0 | | 61.56 |
| 8 | 221 | 51.84 | 355.4 | | 62.51 |
| 9 | 238 | 146.83 | 934.4 | | 64.08 |
| 10 | 257 | 95.04 | 560.7 | | 65.81 |
| 11 | 272 | 67.15 | 374.6 | | 67.17 |
| 12 | 289 | 44.92 | 235.8 | | 68.75 |
| 13 | 297 | 52.29 | 267.1 | | 69.48 |
| 14 | 316 | 41.91 | 200.6 | | 71.10 |
| 15 | 334 | 53.30 | 242.1 | | 72.47 |
| 16 | 347 | 32.66 | 142.7 | | 73.52 |
| 17 | 359 | 33.46 | 141.4 | | 74.46 |
| 18 | 386 | 52.09 | 204.4 | | 76.66 |
| 19 | 406 | 40.45 | 151.1 | | 78.08 |
| 20 | 434 | 24.70 | 86.2 | | 79.70 |
| 21 | 454 | 22.73 | 75.8 | | 80.86 |
| 22 | 469 | 16.41 | 53.0 | | 81.70 |
| 23 | 489 | 15.14 | 46.9 | | 82.85 |
| 24 | 505 | 14.94 | 44.8 | | 83.69 |
| 25 | 600 | 10.83 | 27.3 | | 87.99 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-01\2018-02-01_002.xad

Created: 2/1/2018 3:24:26 PM
 Modified: 2/1/2018 4:06:44 PM

Electropherogram Summary Continued ...

... Peak table for sample 1 : C3 (1:7)

| Peak | Size [bp] | Conc. [pg/ μ l] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------------|-------------------|--------------|----------------------------|
| 26 | 809 | 5.14 | 9.6 | | 92.60 |
| 27 | 928 | 4.32 | 7.1 | | 94.18 |
| 28 | 992 | 6.70 | 10.2 | | 95.01 |
| 29 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

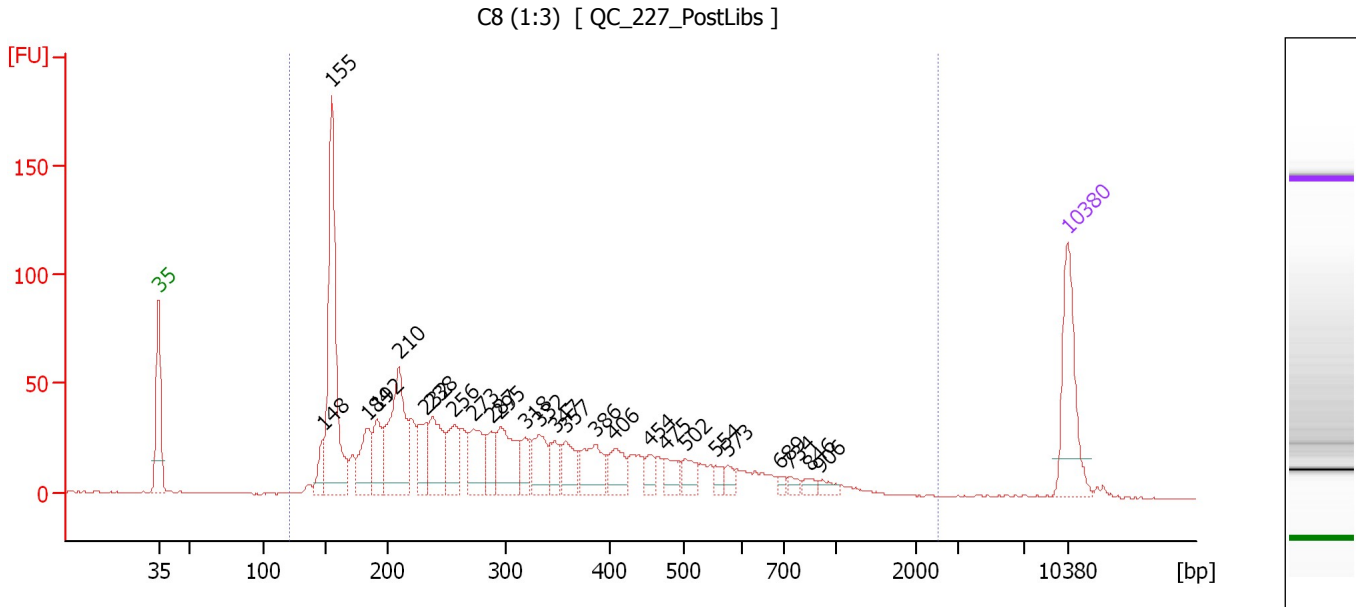
Region table for sample 1 : C3 (1:7)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Conc. [pg/ μ l] | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|---------------------|-------------------|-------------------|-----------------------------|
| 107 | 2,000 | 375 | 1,223.4 | 1,343.99 | 7,122.7 | 98 | 56.7 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-01\2018-02-01_002.xad

Created: 2/1/2018 3:24:26 PM
 Modified: 2/1/2018 4:06:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : C8 (1:3)

Number of peaks found: 26 Corr. Area 1: 1,397.1
 Noise: 0.3

Peak table for sample 2 : C8 (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 | 148 | 30.03 | 307.2 | | 55.64 |
| 3 | 155 | 281.18 | 2,743.1 | | 56.33 |
| 4 | 184 | 60.35 | 496.5 | | 59.06 |
| 5 | 192 | 52.74 | 416.3 | | 59.80 |
| 6 | 210 | 148.73 | 1,073.1 | | 61.49 |
| 7 | 232 | 41.84 | 272.9 | | 63.54 |
| 8 | 238 | 76.27 | 485.6 | | 64.07 |
| 9 | 256 | 53.10 | 313.9 | | 65.75 |
| 10 | 273 | 58.01 | 322.2 | | 67.28 |
| 11 | 287 | 34.32 | 181.1 | | 68.60 |
| 12 | 295 | 75.73 | 388.9 | | 69.34 |
| 13 | 318 | 26.82 | 127.8 | | 71.23 |
| 14 | 332 | 50.41 | 230.1 | | 72.34 |
| 15 | 347 | 26.52 | 115.8 | | 73.55 |
| 16 | 357 | 37.03 | 157.1 | | 74.34 |
| 17 | 386 | 50.95 | 199.9 | | 76.66 |
| 18 | 406 | 35.37 | 132.1 | | 78.08 |
| 19 | 454 | 18.23 | 60.9 | | 80.82 |
| 20 | 475 | 22.65 | 72.2 | | 82.03 |
| 21 | 502 | 22.62 | 68.2 | | 83.56 |
| 22 | 554 | 9.14 | 25.0 | | 85.87 |
| 23 | 573 | 11.32 | 29.9 | | 86.77 |
| 24 | 689 | 5.74 | 12.6 | | 90.83 |
| 25 | 734 | 7.55 | 15.6 | | 91.62 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-01\2018-02-01_002.xad

Created: 2/1/2018 3:24:26 PM
 Modified: 2/1/2018 4:06:44 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : C8 (1:3)

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 26 | 846 | 7.77 | 13.9 | | 93.09 |
| 27 | 906 | 8.38 | 14.0 | | 93.88 |
| 28 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

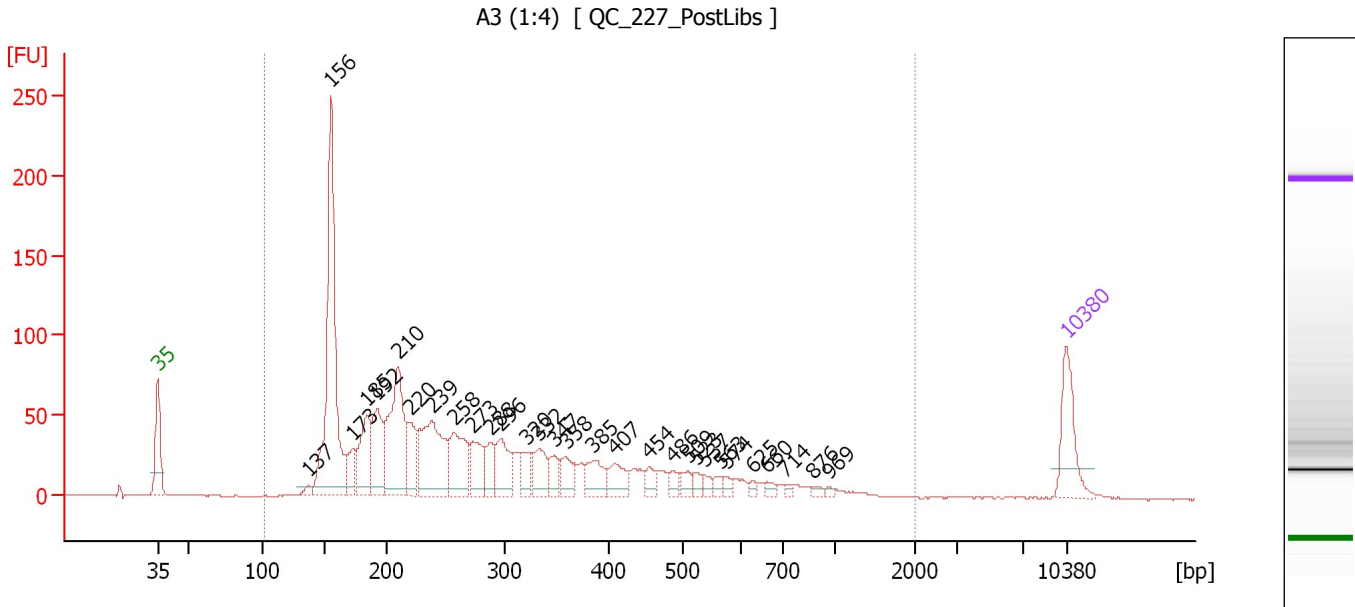
Region table for sample 2 : C8 (1:3)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Conc. [pg/μl] | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|---------------|-------------------|-------------------|-----------------------------|
| 121 | 2,513 | 344 | 1,397.1 | 1,484.31 | 9,235.3 | 98 | 64.2 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-01\2018-02-01_002.xad

Created: 2/1/2018 3:24:26 PM
 Modified: 2/1/2018 4:06:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : A3 (1:4)

Number of peaks found: 30 Corr. Area 1: 1,700.7
 Noise: 0.3

Peak table for sample 3 : A3 (1:4)

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 2 | 137 | 12.42 | 137.1 | | 54.60 |
| 3 | 156 | 523.66 | 5,093.7 | | 56.37 |
| 4 | 173 | 50.01 | 437.4 | | 58.03 |
| 5 | 185 | 122.20 | 1,000.4 | | 59.15 |
| 6 | 192 | 117.01 | 921.4 | | 59.84 |
| 7 | 210 | 245.17 | 1,767.5 | | 61.50 |
| 8 | 220 | 74.05 | 509.9 | | 62.41 |
| 9 | 239 | 201.76 | 1,281.4 | | 64.12 |
| 10 | 258 | 118.68 | 697.8 | | 65.89 |
| 11 | 273 | 71.91 | 398.6 | | 67.33 |
| 12 | 288 | 42.64 | 224.5 | | 68.67 |
| 13 | 296 | 78.55 | 402.1 | | 69.42 |
| 14 | 320 | 35.63 | 168.6 | | 71.40 |
| 15 | 332 | 59.71 | 272.3 | | 72.36 |
| 16 | 347 | 31.97 | 139.6 | | 73.53 |
| 17 | 358 | 38.74 | 163.8 | | 74.44 |
| 18 | 385 | 49.99 | 196.6 | | 76.58 |
| 19 | 407 | 42.13 | 156.7 | | 78.19 |
| 20 | 454 | 21.56 | 72.0 | | 80.81 |
| 21 | 486 | 16.59 | 51.8 | | 82.63 |
| 22 | 509 | 19.88 | 59.2 | | 83.86 |
| 23 | 523 | 13.59 | 39.4 | | 84.50 |
| 24 | 537 | 11.72 | 33.0 | | 85.14 |
| 25 | 563 | 10.02 | 26.9 | | 86.32 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-01\2018-02-01_002.xad

Created: 2/1/2018 3:24:26 PM
 Modified: 2/1/2018 4:06:44 PM

Electropherogram Summary Continued ...

... Peak table for sample 3 : A3 (1:4)

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 26 | 574 | 10.52 | 27.8 | | 86.80 |
| 27 | 625 | 7.26 | 17.6 | | 88.78 |
| 28 | 660 | 9.24 | 21.2 | | 89.90 |
| 29 | 714 | 5.76 | 12.2 | | 91.34 |
| 30 | 876 | 6.36 | 11.0 | | 93.48 |
| 31 | 969 | 3.76 | 5.9 | | 94.71 |
| 32 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

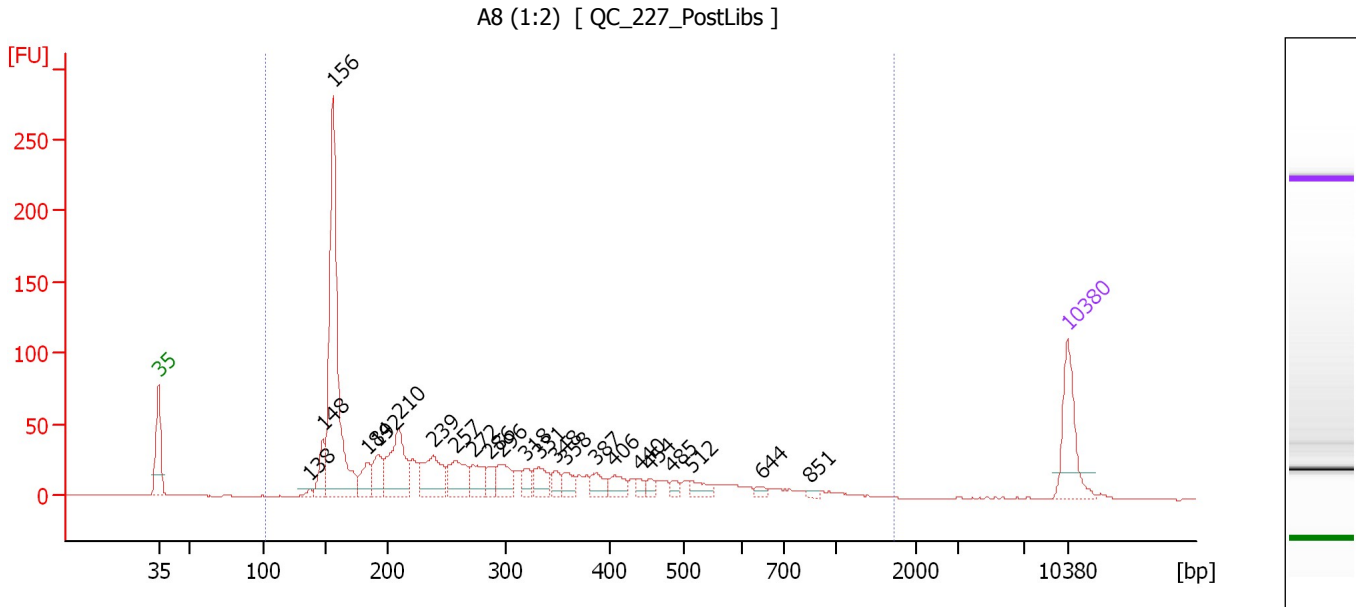
Region table for sample 3 : A3 (1:4)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Conc. [pg/μl] | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|---------------|-------------------|-------------------|-----------------------------|
| 103 | 1,996 | 313 | 1,700.7 | 2,283.45 | 15,031.8 | 99 | 61.4 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-01\2018-02-01_002.xad

Created: 2/1/2018 3:24:26 PM
 Modified: 2/1/2018 4:06:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : A8 (1:2)

Number of peaks found: 23 Corr. Area 1: 1,232.5
 Noise: 0.2

Peak table for sample 4 : A8 (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 | 138 | 7.61 | 83.6 | | 54.67 |
| 3 | 148 | 54.12 | 553.3 | | 55.65 |
| 4 | 156 | 491.78 | 4,770.0 | | 56.41 |
| 5 | 184 | 45.31 | 372.3 | | 59.08 |
| 6 | 192 | 49.87 | 392.7 | | 59.85 |
| 7 | 210 | 128.96 | 930.8 | | 61.48 |
| 8 | 239 | 91.75 | 581.9 | | 64.15 |
| 9 | 257 | 71.14 | 419.1 | | 65.84 |
| 10 | 272 | 45.93 | 255.9 | | 67.21 |
| 11 | 286 | 24.76 | 131.1 | | 68.51 |
| 12 | 296 | 46.34 | 237.5 | | 69.39 |
| 13 | 318 | 23.79 | 113.3 | | 71.24 |
| 14 | 331 | 36.76 | 168.2 | | 72.28 |
| 15 | 348 | 20.03 | 87.3 | | 73.58 |
| 16 | 358 | 23.34 | 98.8 | | 74.40 |
| 17 | 387 | 27.58 | 108.1 | | 76.69 |
| 18 | 406 | 26.37 | 98.4 | | 78.11 |
| 19 | 440 | 11.76 | 40.5 | | 80.02 |
| 20 | 454 | 12.46 | 41.6 | | 80.83 |
| 21 | 485 | 10.79 | 33.7 | | 82.58 |
| 22 | 512 | 21.62 | 64.0 | | 84.00 |
| 23 | 644 | 8.00 | 18.8 | | 89.39 |
| 24 | 851 | 4.59 | 8.2 | | 93.16 |
| 25 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-01\2018-02-01_002.xad

Created: 2/1/2018 3:24:26 PM
Modified: 2/1/2018 4:06:44 PM

Electropherogram Summary Continued ...

... Region table for sample 4 :

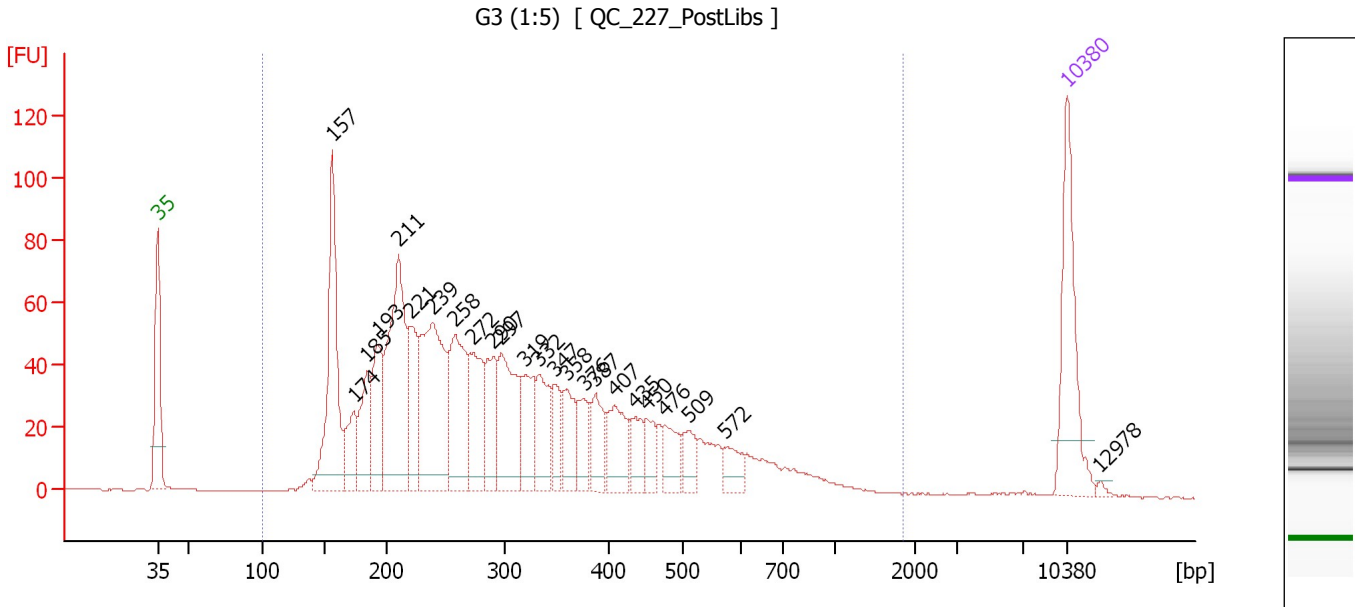
A8 (1:2)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Conc. [pg/ μ l] | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|---------------------|-------------------|--|-----------------------------|
| 101 | 1,709 | 303 | 1,232.5 | 1,463.63 | 10,150.8 |  99 | 60.6 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-01\2018-02-01_002.xad

Created: 2/1/2018 3:24:26 PM
 Modified: 2/1/2018 4:06:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : G3 (1:5)

Number of peaks found: 24 Corr. Area 1: 1,718.3
 Noise: 0.2

Peak table for sample 5 : G3 (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 | 157 | 172.79 | 1,667.4 | | 56.49 |
| 3 | 174 | 44.91 | 391.0 | | 58.10 |
| 4 | 185 | 61.84 | 505.9 | | 59.16 |
| 5 | 193 | 72.77 | 570.0 | | 59.94 |
| 6 | 211 | 184.56 | 1,326.7 | | 61.56 |
| 7 | 221 | 70.61 | 484.0 | | 62.51 |
| 8 | 239 | 173.07 | 1,096.4 | | 64.18 |
| 9 | 258 | 112.32 | 659.9 | | 65.91 |
| 10 | 272 | 72.36 | 402.5 | | 67.24 |
| 11 | 290 | 55.10 | 288.0 | | 68.86 |
| 12 | 297 | 96.53 | 493.2 | | 69.47 |
| 13 | 319 | 50.28 | 238.8 | | 71.31 |
| 14 | 332 | 51.73 | 235.8 | | 72.37 |
| 15 | 347 | 29.12 | 127.1 | | 73.54 |
| 16 | 358 | 38.61 | 163.3 | | 74.43 |
| 17 | 376 | 31.31 | 126.3 | | 75.83 |
| 18 | 387 | 36.65 | 143.5 | | 76.72 |
| 19 | 407 | 45.57 | 169.6 | | 78.17 |
| 20 | 435 | 25.78 | 89.9 | | 79.73 |
| 21 | 450 | 23.24 | 78.2 | | 80.62 |
| 22 | 476 | 27.00 | 86.0 | | 82.07 |
| 23 | 509 | 20.51 | 61.1 | | 83.85 |
| 24 | 572 | 19.99 | 53.0 | | 86.69 |
| 25 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-01\2018-02-01_002.xad

Created: 2/1/2018 3:24:26 PM
Modified: 2/1/2018 4:06:44 PM

Electropherogram Summary Continued ...**... Peak table for sample 5 : G3 (1:5)**

| Peak | Size [bp] | Conc. [pg/ μ l] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------------|-------------------|--------------|----------------------------|
| 26 | 12,978 | 0.00 | 0.0 | | 115.56 |

Region table for sample 5 : G3 (1:5)

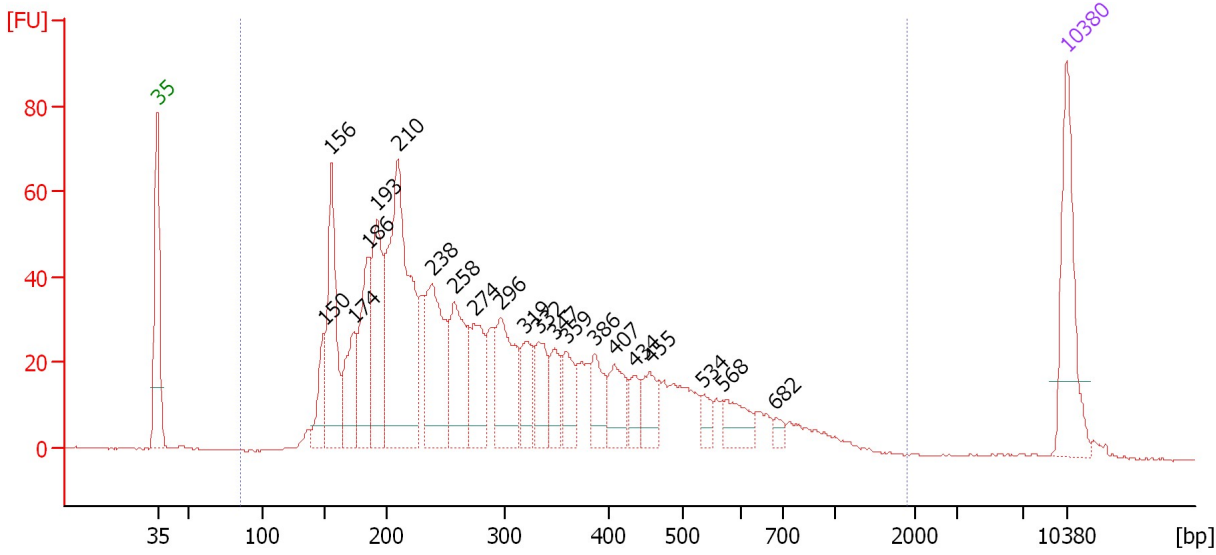
| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Conc. [pg/ μ l] | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|---------------------|-------------------|-------------------|-----------------------------|
| 100 | 1,831 | 329 | 1,718.3 | 1,650.19 | 9,738.2 | 99 | 50.1 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-01\2018-02-01_002.xad

Created: 2/1/2018 3:24:26 PM
 Modified: 2/1/2018 4:06:44 PM

Electropherogram Summary Continued ...

G8 (1:5) [QC_227_PostLibs]



Overall Results for sample 6 : G8 (1:5)

Number of peaks found: 21 Corr. Area 1: 1,358.7
 Noise: 0.2

Peak table for sample 6 : G8 (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 | 150 | 42.39 | 428.7 | | 55.80 |
| 3 | 156 | 139.68 | 1,358.2 | | 56.37 |
| 4 | 174 | 71.00 | 616.7 | | 58.14 |
| 5 | 186 | 94.72 | 772.3 | | 59.22 |
| 6 | 193 | 120.82 | 948.4 | | 59.90 |
| 7 | 210 | 294.24 | 2,122.0 | | 61.50 |
| 8 | 238 | 133.47 | 848.1 | | 64.11 |
| 9 | 258 | 100.19 | 589.3 | | 65.88 |
| 10 | 274 | 69.31 | 383.8 | | 67.36 |
| 11 | 296 | 90.10 | 460.5 | | 69.46 |
| 12 | 319 | 43.87 | 208.1 | | 71.34 |
| 13 | 332 | 46.27 | 211.0 | | 72.37 |
| 14 | 347 | 33.75 | 147.3 | | 73.56 |
| 15 | 359 | 38.72 | 163.5 | | 74.47 |
| 16 | 386 | 36.86 | 144.8 | | 76.63 |
| 17 | 407 | 41.44 | 154.2 | | 78.17 |
| 18 | 434 | 20.28 | 70.8 | | 79.71 |
| 19 | 455 | 33.39 | 111.1 | | 80.90 |
| 20 | 534 | 14.11 | 40.0 | | 85.00 |
| 21 | 568 | 30.18 | 80.5 | | 86.54 |
| 22 | 682 | 7.62 | 16.9 | | 90.58 |
| 23 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-01\2018-02-01_002.xad

Created: 2/1/2018 3:24:26 PM
Modified: 2/1/2018 4:06:44 PM

Electropherogram Summary Continued ...

... Region table for sample 6 :

G8 (1:5)

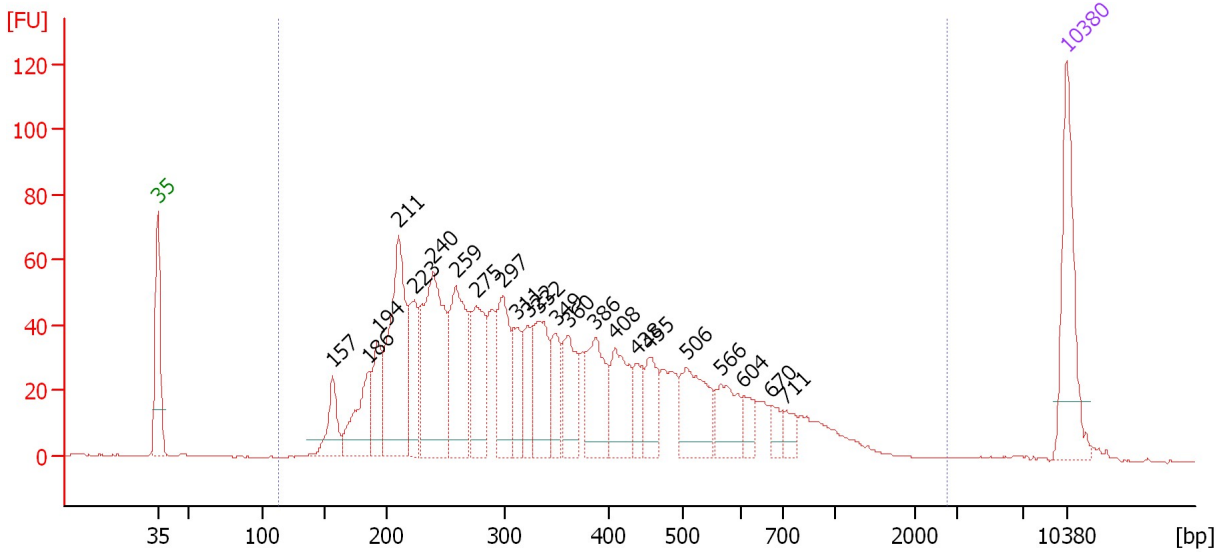
| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Conc. [pg/ μ l] | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|---------------------|-------------------|--|-----------------------------|
| 86 | 1,887 | 330 | 1,358.7 | 1,819.77 | 11,062.3 |  99 | 55.4 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-01\2018-02-01_002.xad

Created: 2/1/2018 3:24:26 PM
 Modified: 2/1/2018 4:06:44 PM

Electropherogram Summary Continued ...

C4 (1:5) [QC_227_PostLibs]



Overall Results for sample 7 : C4 (1:5)

Number of peaks found: 23 Corr. Area 1: 1,677.1
 Noise: 0.2

Peak table for sample 7 : C4 (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 | 157 | 46.91 | 453.0 | | 56.48 |
| 3 | 186 | 69.63 | 566.6 | | 59.26 |
| 4 | 194 | 57.37 | 449.2 | | 59.95 |
| 5 | 211 | 178.94 | 1,285.6 | | 61.57 |
| 6 | 223 | 68.47 | 464.3 | | 62.73 |
| 7 | 240 | 187.40 | 1,184.4 | | 64.23 |
| 8 | 259 | 127.04 | 744.5 | | 65.97 |
| 9 | 275 | 86.39 | 475.1 | | 67.53 |
| 10 | 297 | 82.02 | 417.8 | | 69.55 |
| 11 | 311 | 42.93 | 209.3 | | 70.65 |
| 12 | 322 | 42.33 | 199.4 | | 71.52 |
| 13 | 332 | 77.16 | 352.3 | | 72.33 |
| 14 | 349 | 39.55 | 171.9 | | 73.66 |
| 15 | 360 | 59.73 | 251.3 | | 74.59 |
| 16 | 386 | 71.50 | 280.5 | | 76.67 |
| 17 | 408 | 63.63 | 236.2 | | 78.23 |
| 18 | 438 | 28.23 | 97.7 | | 79.91 |
| 19 | 455 | 39.77 | 132.4 | | 80.89 |
| 20 | 506 | 70.64 | 211.4 | | 83.73 |
| 21 | 566 | 41.62 | 111.4 | | 86.45 |
| 22 | 604 | 15.98 | 40.1 | | 88.12 |
| 23 | 670 | 13.49 | 30.5 | | 90.21 |
| 24 | 711 | 14.21 | 30.3 | | 91.31 |
| 25 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-01\2018-02-01_002.xad

Created: 2/1/2018 3:24:26 PM
Modified: 2/1/2018 4:06:44 PM

Electropherogram Summary Continued ...

... Region table for sample 7 :

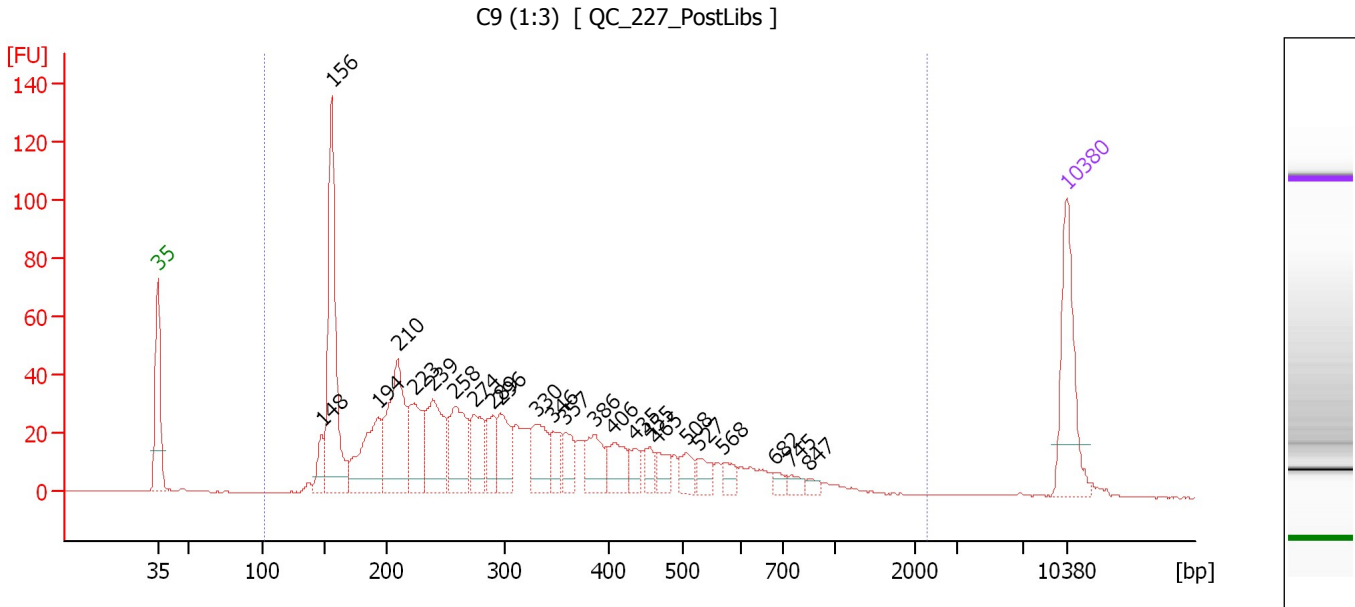
C4 (1:5)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Conc. [pg/ μ l] | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|---------------------|-------------------|--|-----------------------------|
| 113 | 2,760 | 386 | 1,677.1 | 1,744.00 | 9,030.8 |  99 | 59.2 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-01\2018-02-01_002.xad

Created: 2/1/2018 3:24:26 PM
 Modified: 2/1/2018 4:06:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : C9 (1:3)

Number of peaks found: 24 Corr. Area 1: 1,121.0
 Noise: 0.2

Peak table for sample 8 : C9 (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 | 148 | 26.49 | 271.0 | | 55.64 |
| 3 | 156 | 225.92 | 2,192.5 | | 56.40 |
| 4 | 194 | 99.02 | 774.3 | | 59.97 |
| 5 | 210 | 137.27 | 990.1 | | 61.49 |
| 6 | 223 | 67.72 | 459.3 | | 62.72 |
| 7 | 239 | 89.72 | 568.2 | | 64.19 |
| 8 | 258 | 80.97 | 475.0 | | 65.94 |
| 9 | 274 | 52.75 | 291.6 | | 67.41 |
| 10 | 289 | 33.01 | 172.8 | | 68.81 |
| 11 | 296 | 51.14 | 262.0 | | 69.40 |
| 12 | 330 | 52.30 | 240.5 | | 72.15 |
| 13 | 346 | 25.02 | 109.4 | | 73.49 |
| 14 | 357 | 28.21 | 119.6 | | 74.37 |
| 15 | 386 | 40.26 | 158.0 | | 76.65 |
| 16 | 406 | 37.18 | 138.7 | | 78.12 |
| 17 | 435 | 16.76 | 58.4 | | 79.76 |
| 18 | 455 | 15.55 | 51.8 | | 80.87 |
| 19 | 465 | 17.87 | 58.2 | | 81.45 |
| 20 | 508 | 19.12 | 57.1 | | 83.79 |
| 21 | 527 | 16.98 | 48.8 | | 84.67 |
| 22 | 568 | 13.12 | 35.0 | | 86.55 |
| 23 | 682 | 7.80 | 17.3 | | 90.58 |
| 24 | 745 | 7.98 | 16.2 | | 91.75 |
| 25 | 847 | 6.04 | 10.8 | | 93.10 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-01\2018-02-01_002.xad

Created: 2/1/2018 3:24:26 PM
 Modified: 2/1/2018 4:06:44 PM

Electropherogram Summary Continued ...

... Peak table for sample 8 : C9 (1:3)

| Peak | Size [bp] | Conc. [pg/ μ l] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------------|-------------------|--------------|----------------------------|
| 26 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

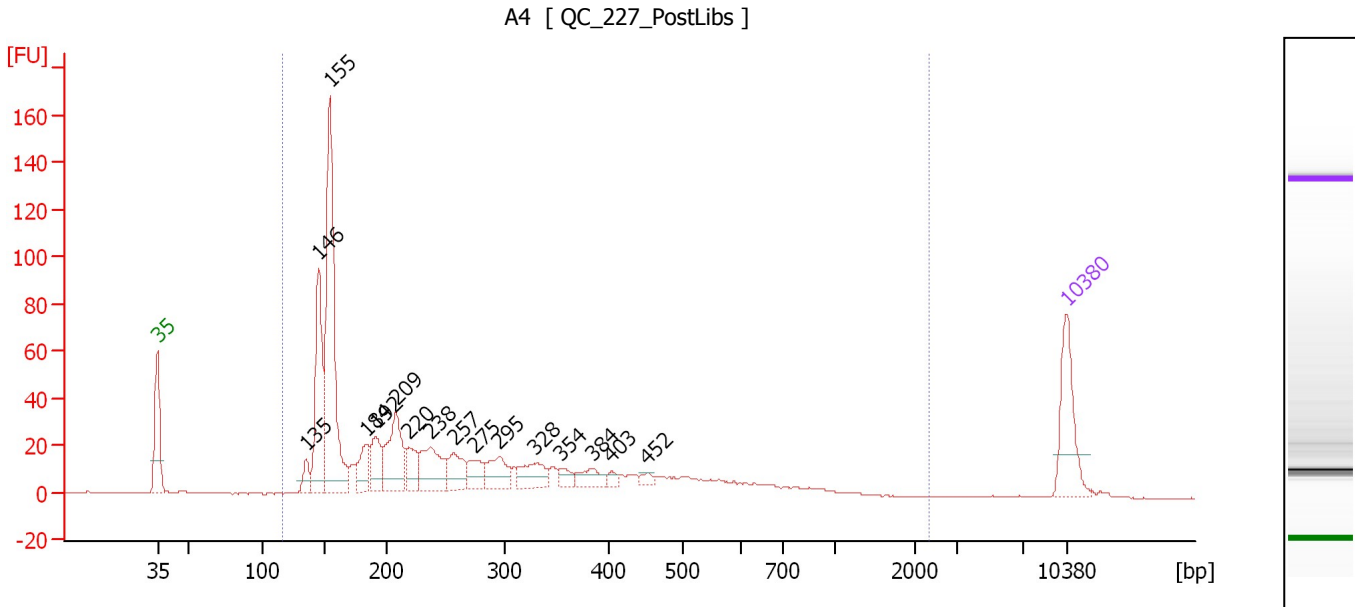
Region table for sample 8 : C9 (1:3)

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Conc. [pg/ μ l] | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|---------------------|-------------------|-------------------|-----------------------------|
| 101 | 2,270 | 336 | 1,121.0 | 1,341.65 | 8,193.1 | 99 | 57.8 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-01\2018-02-01_002.xad

Created: 2/1/2018 3:24:26 PM
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Electropherogram Summary Continued ...



Overall Results for sample 9 : A4

Number of peaks found: 16 Corr. Area 1: 892.1
 Noise: 0.2

Peak table for sample 9 : A4

| 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 | 135 | 27.77 | 310.6 | | 54.43 |
| 3 | 146 | 183.81 | 1,908.3 | | 55.43 |
| 4 | 155 | 389.90 | 3,821.4 | | 56.26 |
| 5 | 184 | 52.26 | 429.4 | | 59.09 |
| 6 | 192 | 56.90 | 449.3 | | 59.79 |
| 7 | 209 | 111.14 | 806.2 | | 61.38 |
| 8 | 220 | 43.23 | 298.1 | | 62.39 |
| 9 | 238 | 82.42 | 525.5 | | 64.04 |
| 10 | 257 | 51.79 | 305.6 | | 65.80 |
| 11 | 275 | 37.06 | 204.4 | | 67.45 |
| 12 | 295 | 49.58 | 254.5 | | 69.34 |
| 13 | 328 | 48.36 | 223.2 | | 72.05 |
| 14 | 354 | 15.82 | 67.7 | | 74.11 |
| 15 | 384 | 26.14 | 103.2 | | 76.47 |
| 16 | 403 | 9.45 | 35.5 | | 77.94 |
| 17 | 452 | 9.18 | 30.8 | | 80.71 |
| 18 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

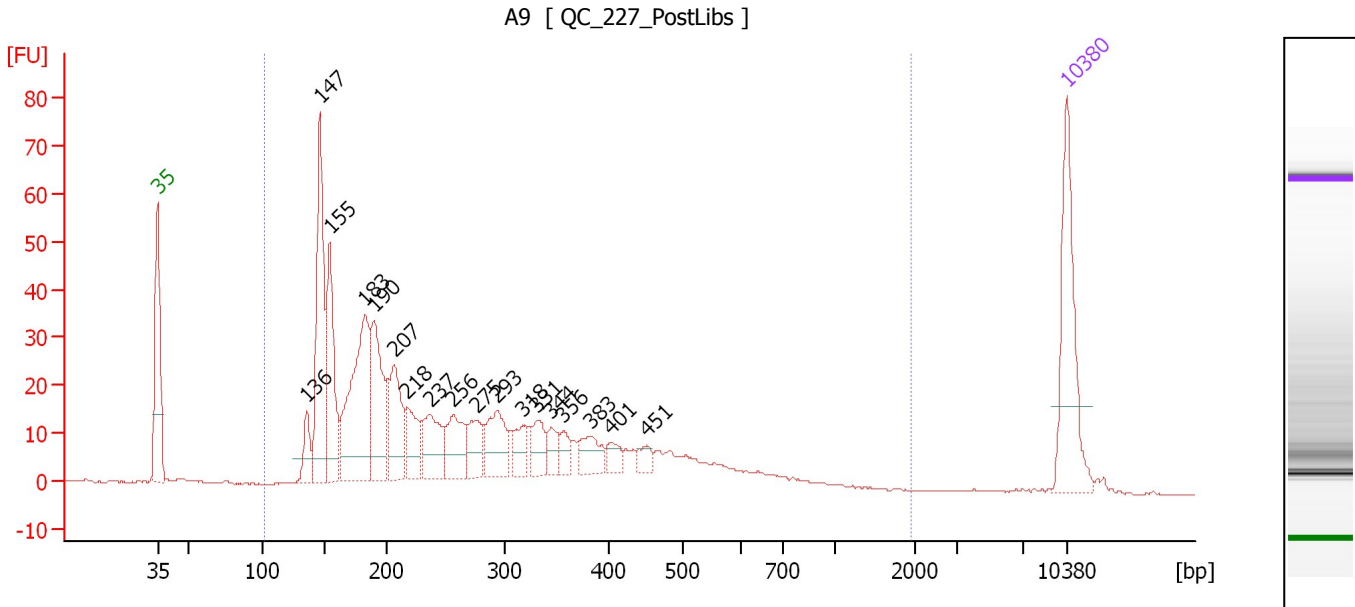
Region table for sample 9 : A4

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Conc. [pg/μl] | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|---------------|-------------------|-------------------|-----------------------------|
| 117 | 2,328 | 288 | 892.1 | 1,495.86 | 10,944.3 | 99 | 62.6 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-01\2018-02-01_002.xad

Created: 2/1/2018 3:24:26 PM
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Electropherogram Summary Continued ...



Overall Results for sample 10 : A9

Number of peaks found: 18 Corr. Area 1: 732.5
 Noise: 0.1

Peak table for sample 10 : A9

| 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 | 136 | 28.31 | 315.1 | | 54.49 |
| 3 | 147 | 155.96 | 1,611.9 | | 55.50 |
| 4 | 155 | 101.28 | 992.1 | | 56.27 |
| 5 | 183 | 164.07 | 1,360.2 | | 58.93 |
| 6 | 190 | 98.13 | 781.5 | | 59.64 |
| 7 | 207 | 69.10 | 506.5 | | 61.18 |
| 8 | 218 | 37.14 | 257.9 | | 62.25 |
| 9 | 237 | 49.72 | 318.1 | | 63.96 |
| 10 | 256 | 44.36 | 262.4 | | 65.74 |
| 11 | 275 | 29.00 | 159.5 | | 67.52 |
| 12 | 293 | 48.44 | 250.2 | | 69.18 |
| 13 | 318 | 22.82 | 108.9 | | 71.19 |
| 14 | 331 | 24.56 | 112.4 | | 72.26 |
| 15 | 344 | 15.76 | 69.4 | | 73.32 |
| 16 | 356 | 14.61 | 62.2 | | 74.27 |
| 17 | 383 | 25.19 | 99.7 | | 76.40 |
| 18 | 401 | 12.82 | 48.4 | | 77.82 |
| 19 | 451 | 10.01 | 33.6 | | 80.66 |
| 20 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

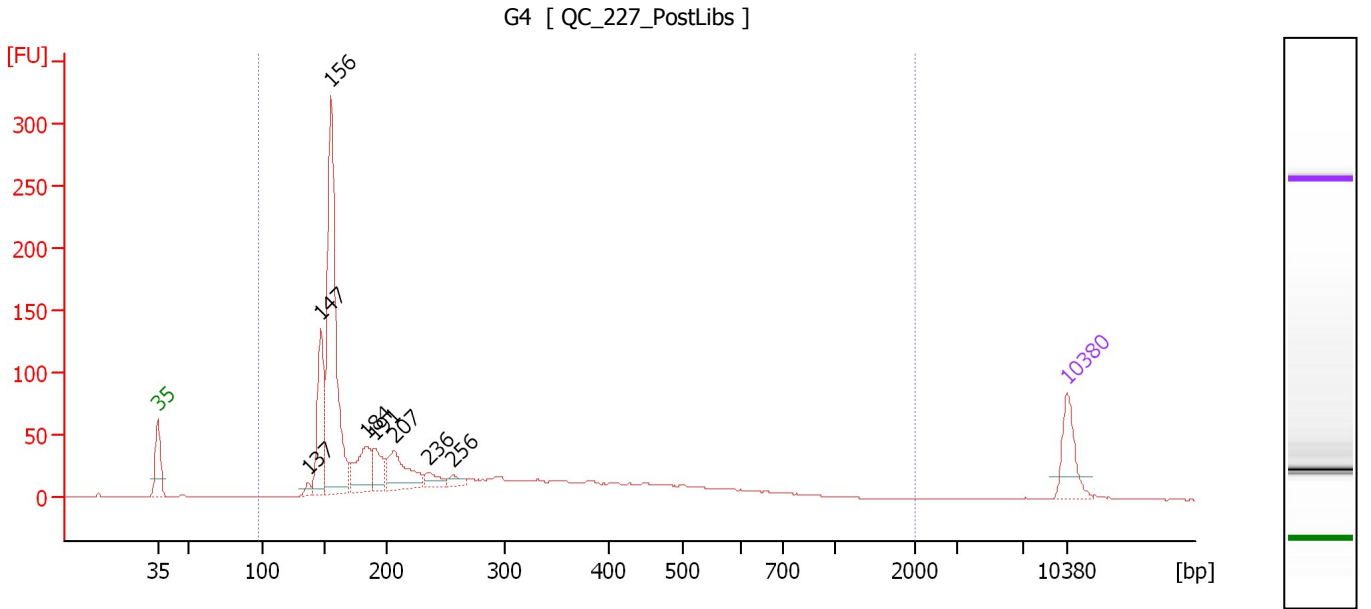
Region table for sample 10 : A9

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Conc. [pg/μl] | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|---------------|-------------------|-------------------|-----------------------------|
| 102 | 1,942 | 290 | 732.5 | 1,181.56 | 8,248.9 | 99 | 56.0 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-01\2018-02-01_002.xad

Created: 2/1/2018 3:24:26 PM
 Modified: 2/1/2018 4:06:44 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : G4

Number of peaks found: 8 Corr. Area 1: 1,273.9
 Noise: 0.2

Peak table for sample 11 : G4

| 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 | 137 | 17.36 | 191.8 | | 54.59 |
| 3 | 147 | 234.82 | 2,418.9 | | 55.54 |
| 4 | 156 | 710.44 | 6,905.9 | | 56.38 |
| 5 | 184 | 133.96 | 1,101.9 | | 59.07 |
| 6 | 191 | 80.38 | 637.2 | | 59.72 |
| 7 | 207 | 141.78 | 1,037.5 | | 61.22 |
| 8 | 236 | 36.28 | 233.4 | | 63.84 |
| 9 | 256 | 20.35 | 120.6 | | 65.70 |
| 10 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Region table for sample 11 : G4

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Conc. [pg/μl] | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|---------------|-------------------|-------------------|-----------------------------|
| 98 | 1,991 | 264 | 1,273.9 | 2,022.73 | 15,602.2 | 99 | 60.0 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-01\2018-02-01_002.xad

Created: 2/1/2018 3:24:26 PM
Modified: 2/1/2018 4:06:44 PM

Gel Image

