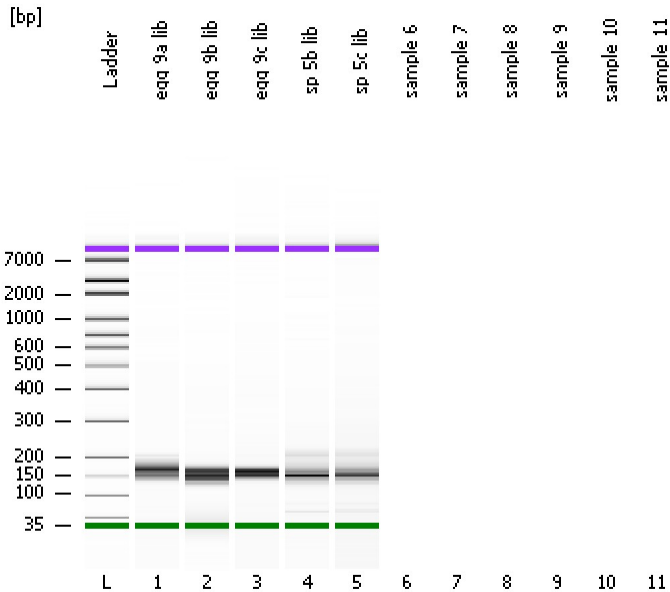


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25_005.xad

Created: 8/25/2017 12:23:59 PM
Modified: 8/25/2017 12:48:12 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

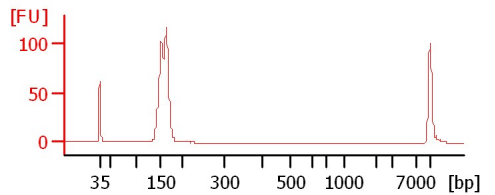
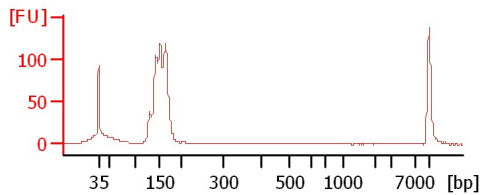
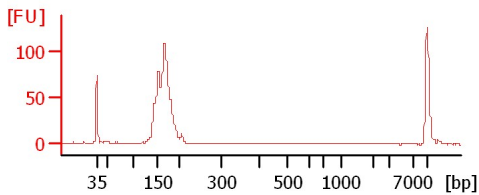
Chip Information:

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

egg 9a lib

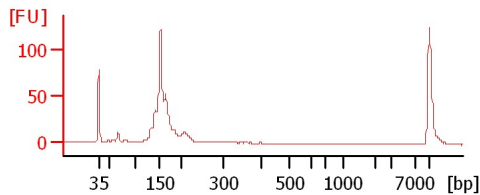
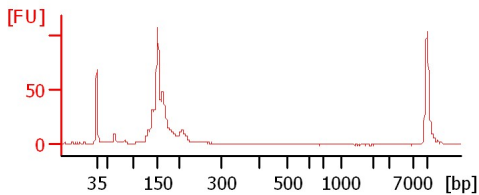
egg 9b lib

egg 9c lib



sp 5b lib

sp 5c lib



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25_005.xad

Created: 8/25/2017 12:23:59 PM
 Modified: 8/25/2017 12:48:12 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|-------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| egg 9a lib | | <input type="checkbox"/> | ✓ | | | |
| egg 9b lib | | <input type="checkbox"/> | ✓ | | | |
| egg 9c lib | | <input type="checkbox"/> | ✓ | | | |
| sp 5b lib | | <input type="checkbox"/> | ✓ | | | |
| sp 5c lib | | <input type="checkbox"/> | ✓ | | | |
| sample 6 | | <input type="checkbox"/> | | | | |
| sample 7 | | <input type="checkbox"/> | | | | |
| sample 8 | | <input type="checkbox"/> | | | | |
| sample 9 | | <input type="checkbox"/> | | | | |
| sample 10 | | <input type="checkbox"/> | | | | |
| sample 11 | | <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\2017-08-25\2017-08-25_005.xad

Created: 8/25/2017 12:23:59 PM
Modified: 8/25/2017 12:48:12 PM

Electrophoresis Assay Details

General Analysis Settings

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

Integrator Settings

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

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

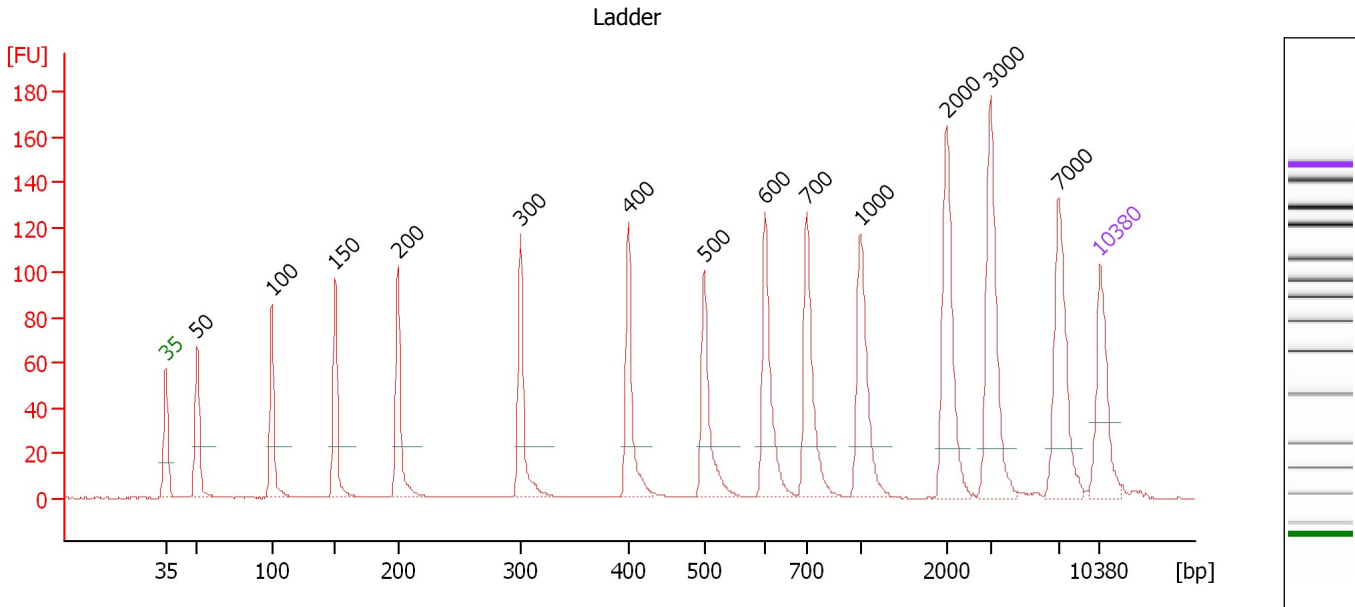
Ladder

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25_005.xad

Created: 8/25/2017 12:23:59 PM
 Modified: 8/25/2017 12:48:12 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

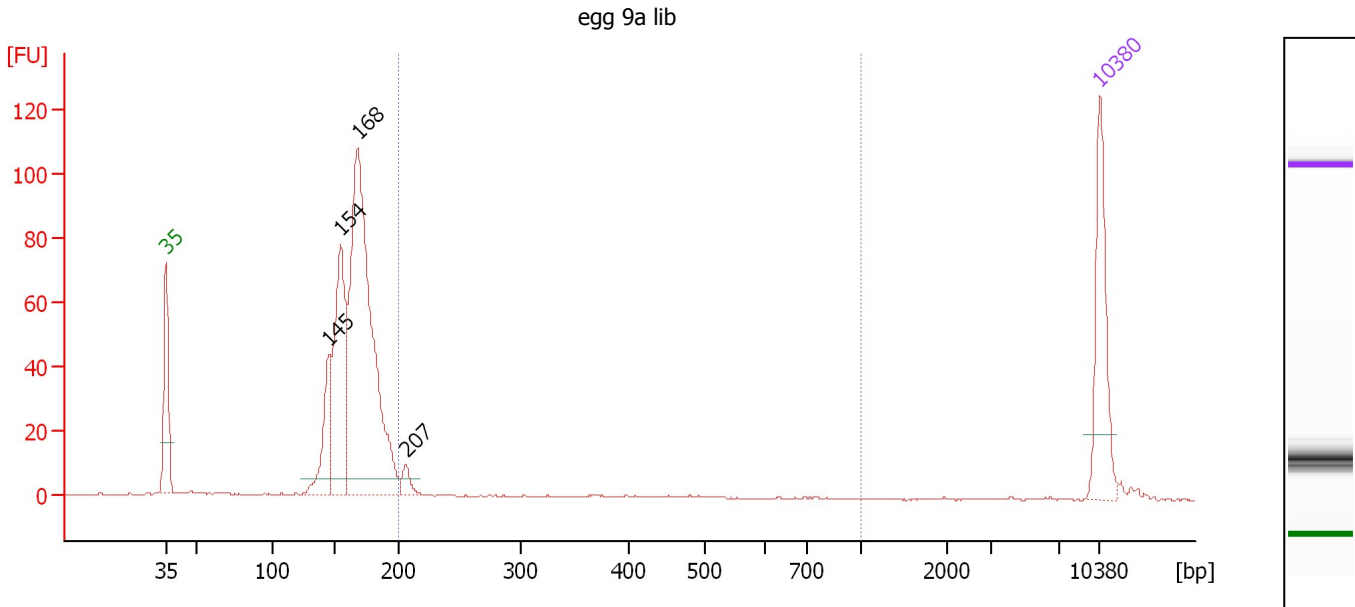
Peak table for Ladder

| 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 | 45.33 |
| 3 | 100 | 150.00 | 2,272.7 | Ladder Peak | 50.95 |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak | 55.67 |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak | 60.38 |
| 6 | 300 | 150.00 | 757.6 | Ladder Peak | 69.57 |
| 7 | 400 | 150.00 | 568.2 | Ladder Peak | 77.67 |
| 8 | 500 | 150.00 | 454.5 | Ladder Peak | 83.33 |
| 9 | 600 | 150.00 | 378.8 | Ladder Peak | 87.90 |
| 10 | 700 | 150.00 | 324.7 | Ladder Peak | 91.05 |
| 11 | 1,000 | 150.00 | 227.3 | Ladder Peak | 95.05 |
| 12 | 2,000 | 150.00 | 113.6 | Ladder Peak | 101.48 |
| 13 | 3,000 | 150.00 | 75.8 | Ladder Peak | 104.81 |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak | 109.90 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25_005.xad

Created: 8/25/2017 12:23:59 PM
 Modified: 8/25/2017 12:48:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : egg 9a lib

Number of peaks found: 4 Corr. Area 1: 23.7
 Noise: 0.1

Peak table for sample 1 : egg 9a 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 | 145 | 85.58 | 894.1 | | 55.20 |
| 3 | 154 | 199.74 | 1,962.4 | | 56.06 |
| 4 | 168 | 505.90 | 4,561.8 | | 57.37 |
| 5 | 207 | 15.01 | 110.1 | | 60.98 |
| 6 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

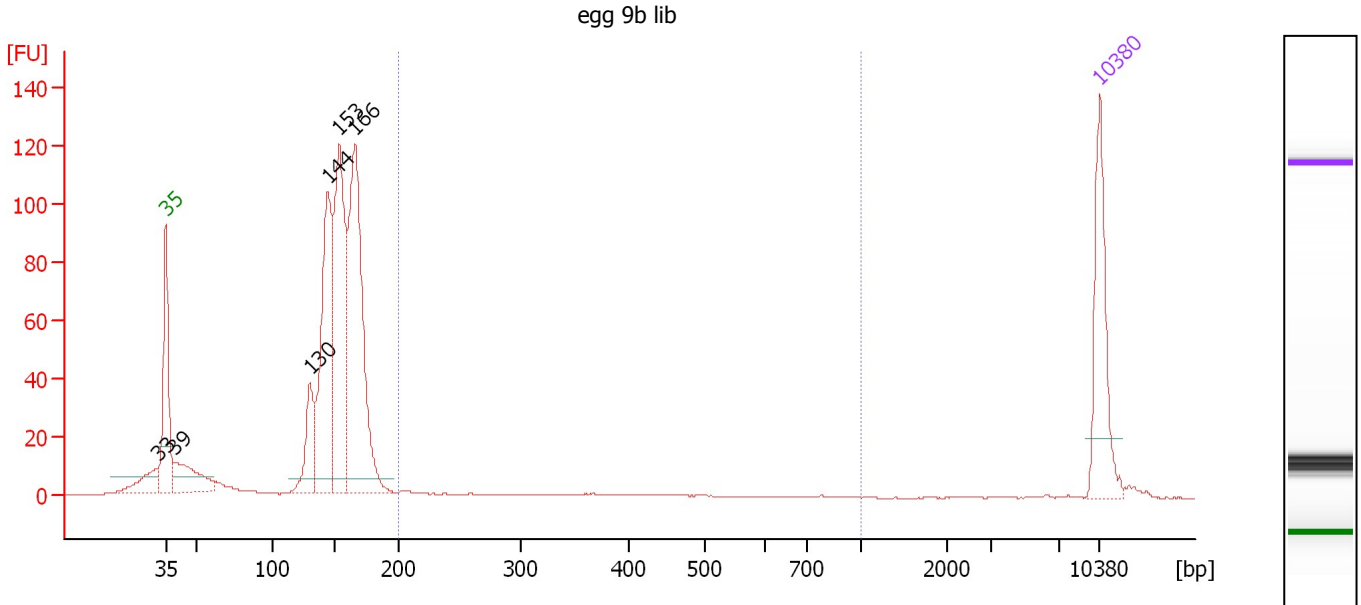
Region table for sample 1 : egg 9a lib

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,000 | 286 | 23.7 | 184.9 | 29.62 | 4 | 41.1 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25_005.xad

Created: 8/25/2017 12:23:59 PM
 Modified: 8/25/2017 12:48:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : egg 9b lib

Number of peaks found: 6 Corr. Area 1: 19.4
 Noise: 0.2

Peak table for sample 2 : egg 9b lib

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 33 | 0.00 | 0.0 | | 42.37 |
| 2 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 3 | 39 | 71.15 | 2,781.3 | | 43.58 |
| 4 | 130 | 68.29 | 797.0 | | 53.77 |
| 5 | 144 | 217.08 | 2,279.3 | | 55.13 |
| 6 | 153 | 256.39 | 2,537.6 | | 55.96 |
| 7 | 166 | 318.48 | 2,906.8 | | 57.18 |
| 8 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

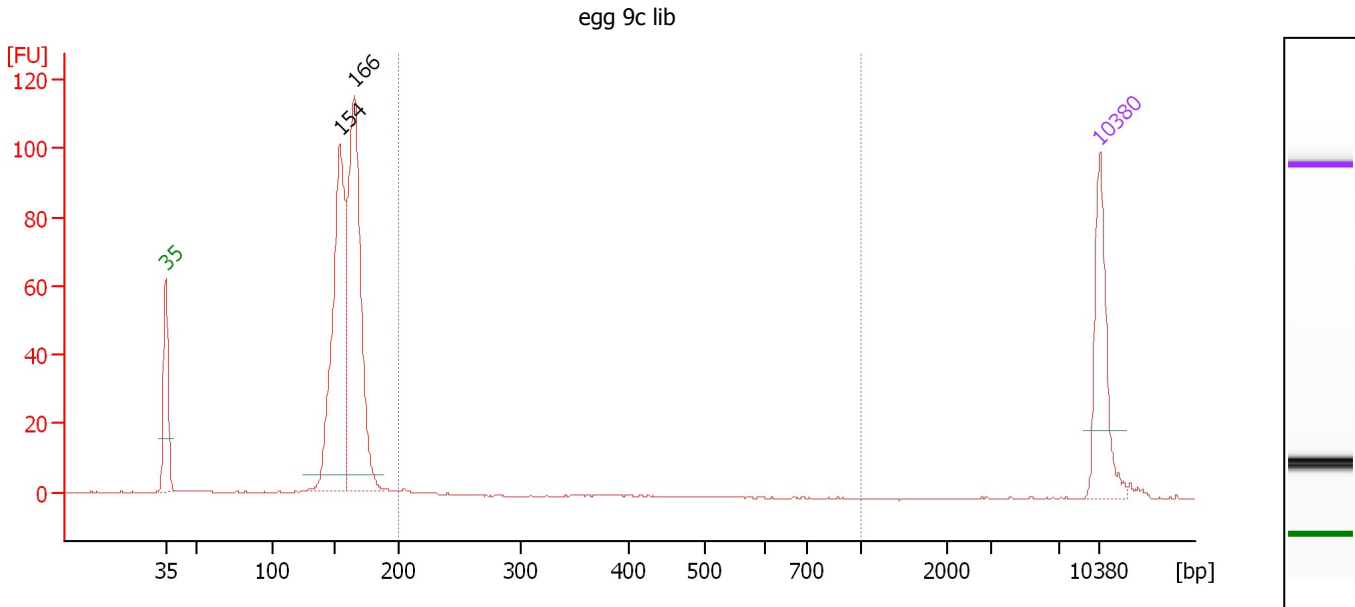
Region table for sample 2 : egg 9b lib

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,000 | 319 | 19.4 | 105.0 | 19.86 | 2 | 29.9 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25_005.xad

Created: 8/25/2017 12:23:59 PM
 Modified: 8/25/2017 12:48:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : egg 9c lib

Number of peaks found: 2 Corr. Area 1: 5.3
 Noise: 0.1

Peak table for sample 3 : egg 9c 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 | 154 | 336.60 | 3,319.8 | | 56.01 |
| 3 | 166 | 351.48 | 3,215.9 | | 57.14 |
| 4 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

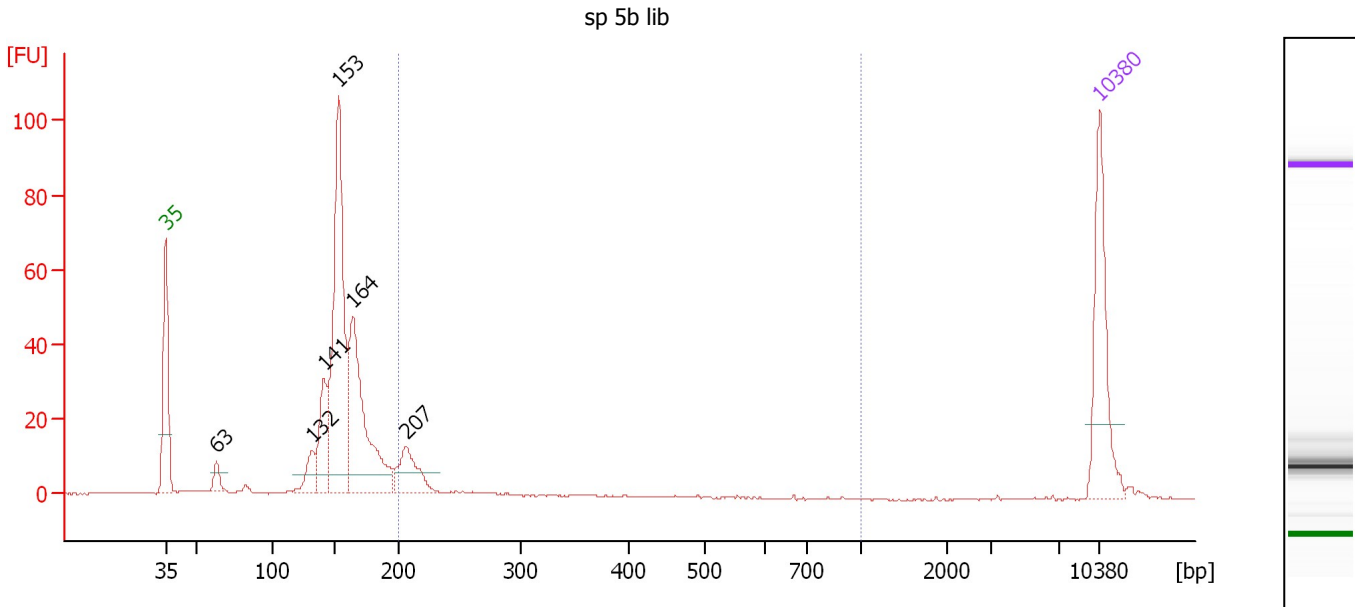
Region table for sample 3 : egg 9c lib

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,000 | 252 | 5.3 | 49.0 | 7.51 | 1 | 28.0 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25_005.xad

Created: 8/25/2017 12:23:59 PM
 Modified: 8/25/2017 12:48:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : sp 5b lib

Number of peaks found: 6 Corr. Area 1: 51.1
 Noise: 0.2

Peak table for sample 4 : sp 5b 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 | 63 | 14.26 | 343.8 | | 46.78 |
| 3 | 132 | 28.67 | 328.8 | | 53.98 |
| 4 | 141 | 63.16 | 678.4 | | 54.82 |
| 5 | 153 | 266.46 | 2,644.7 | | 55.92 |
| 6 | 164 | 189.79 | 1,756.4 | | 56.96 |
| 7 | 207 | 48.19 | 353.4 | | 60.98 |
| 8 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

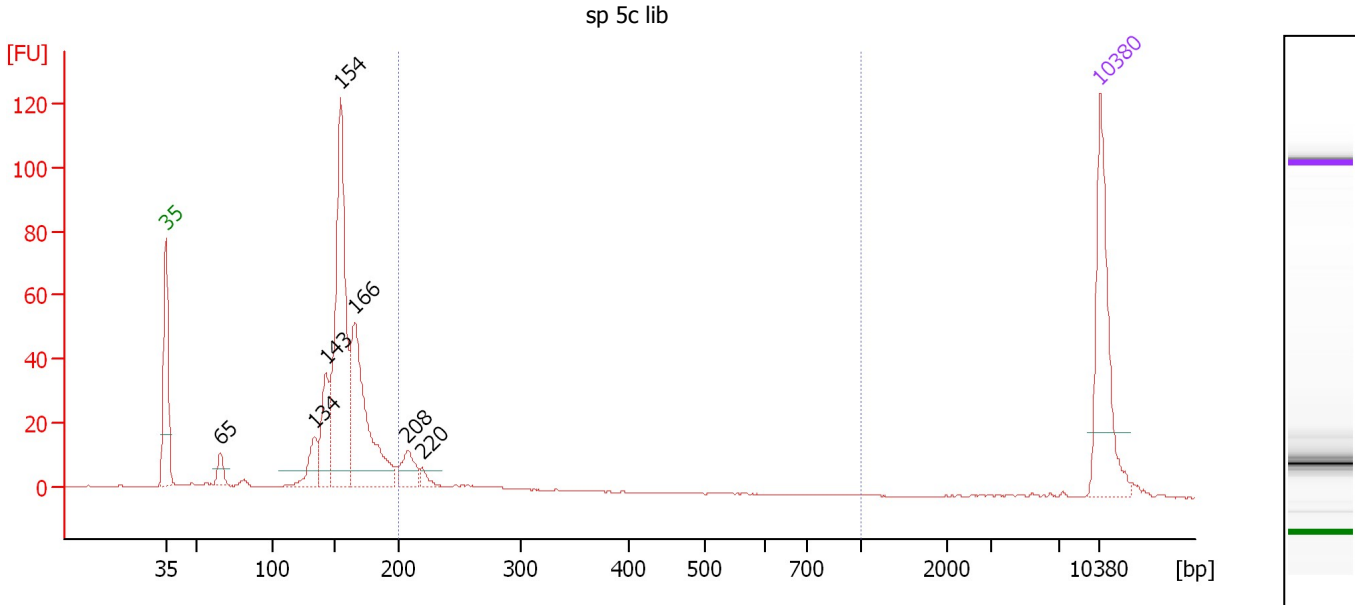
Region table for sample 4 : sp 5b lib

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,000 | 250 | 51.1 | 468.6 | 71.89 | 11 | 33.4 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25_005.xad

Created: 8/25/2017 12:23:59 PM
 Modified: 8/25/2017 12:48:12 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : sp 5c lib

Number of peaks found: 7 Corr. Area 1: 45.1
 Noise: 0.1

Peak table for sample 5 : sp 5c 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 | 65 | 14.66 | 339.6 | | 47.06 |
| 3 | 134 | 32.66 | 370.1 | | 54.13 |
| 4 | 143 | 55.86 | 592.9 | | 54.98 |
| 5 | 154 | 236.84 | 2,323.2 | | 56.09 |
| 6 | 166 | 160.71 | 1,470.1 | | 57.14 |
| 7 | 208 | 25.03 | 182.5 | | 61.10 |
| 8 | 220 | 6.75 | 46.5 | | 62.20 |
| 9 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

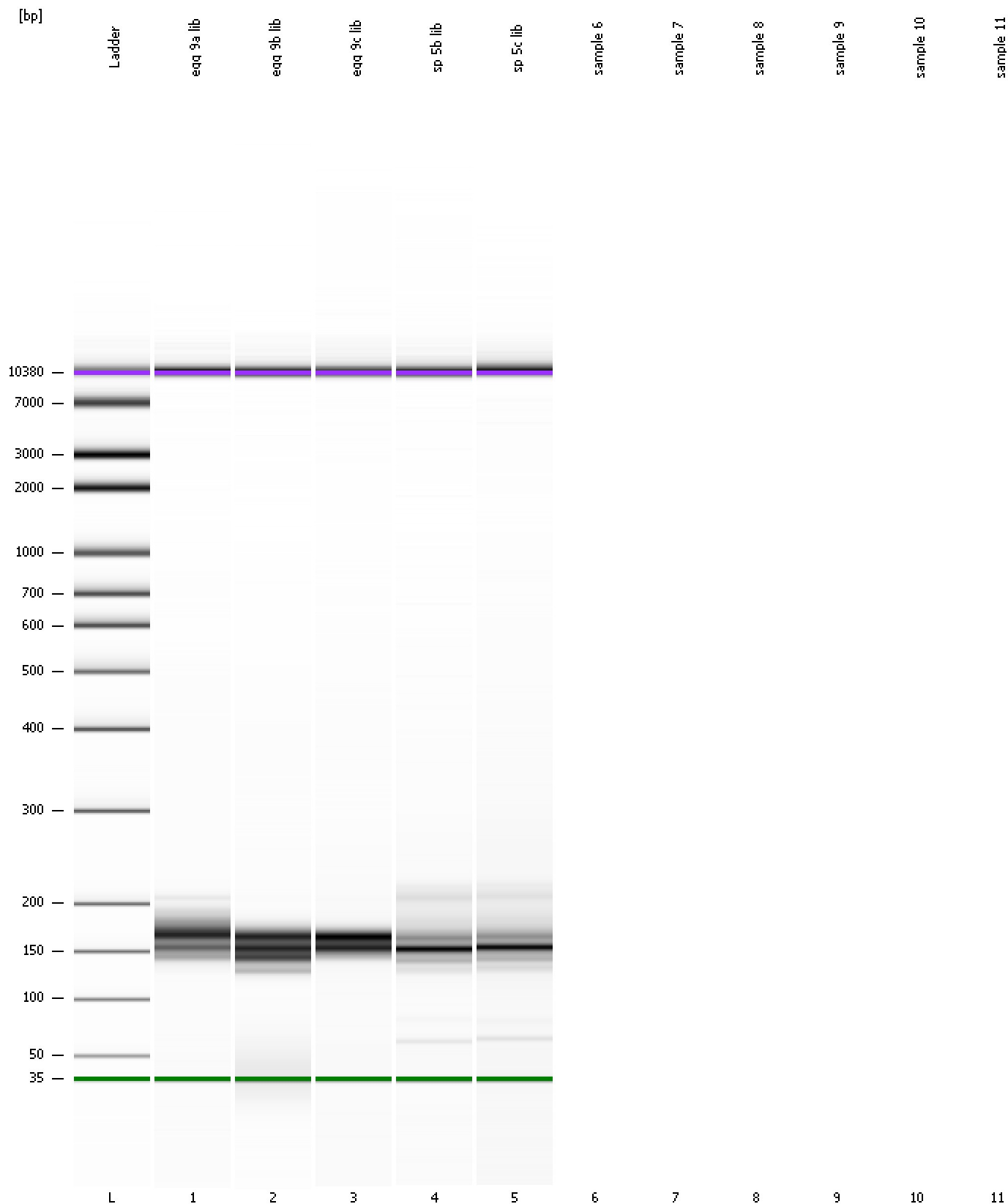
Region table for sample 5 : sp 5c lib

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|------------------|------------|-----------------------------|
| 200 | 1,000 | 227 | 45.1 | 340.2 | 50.73 | 9 | 12.9 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25_005.xad

Created: 8/25/2017 12:23:59 PM
Modified: 8/25/2017 12:48:12 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25_005.xad

Created: 8/25/2017 12:23:59 PM
Modified: 8/25/2017 12:48:12 PM

Invalid Samples

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.