

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-09\2018-07-09_001.xad

Created: 7/9/2018 9:29:46 AM
Modified: 7/9/2018 9:56:36 AM

Electrophoresis File Run Summary

Instrument Information:

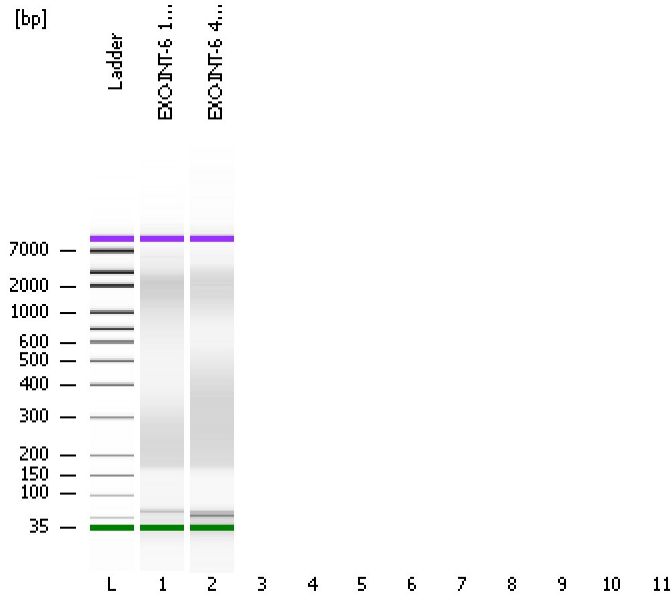
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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

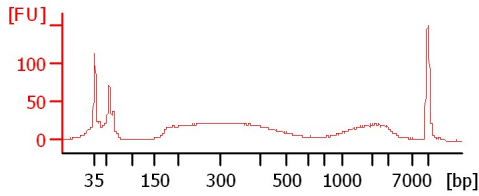
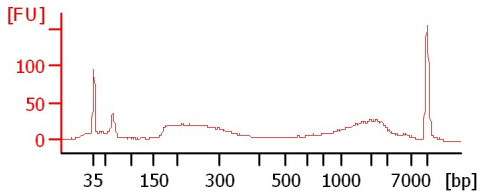
Chip Information:

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



EXO-INT-6 1x Tn5

EXO-INT-6 4x Tn5



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-09\2018-07-09_001.xad

Created: 7/9/2018 9:29:46 AM
Modified: 7/9/2018 9:56:36 AM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|------------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| EXO-INT-6 1x Tn5 | | <input type="checkbox"/> | ✓ | | | |
| EXO-INT-6 4x Tn5 | | <input type="checkbox"/> | ✓ | | | |
| | | <input type="checkbox"/> | | | | |
| | | <input type="checkbox"/> | | | | |
| | | <input type="checkbox"/> | | | | |
| | | <input type="checkbox"/> | | | | |
| | | <input type="checkbox"/> | | | | |
| | | <input type="checkbox"/> | | | | |
| | | <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\2018-07-09\2018-07-09_001.xad

Created: 7/9/2018 9:29:46 AM
Modified: 7/9/2018 9:56:36 AM

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

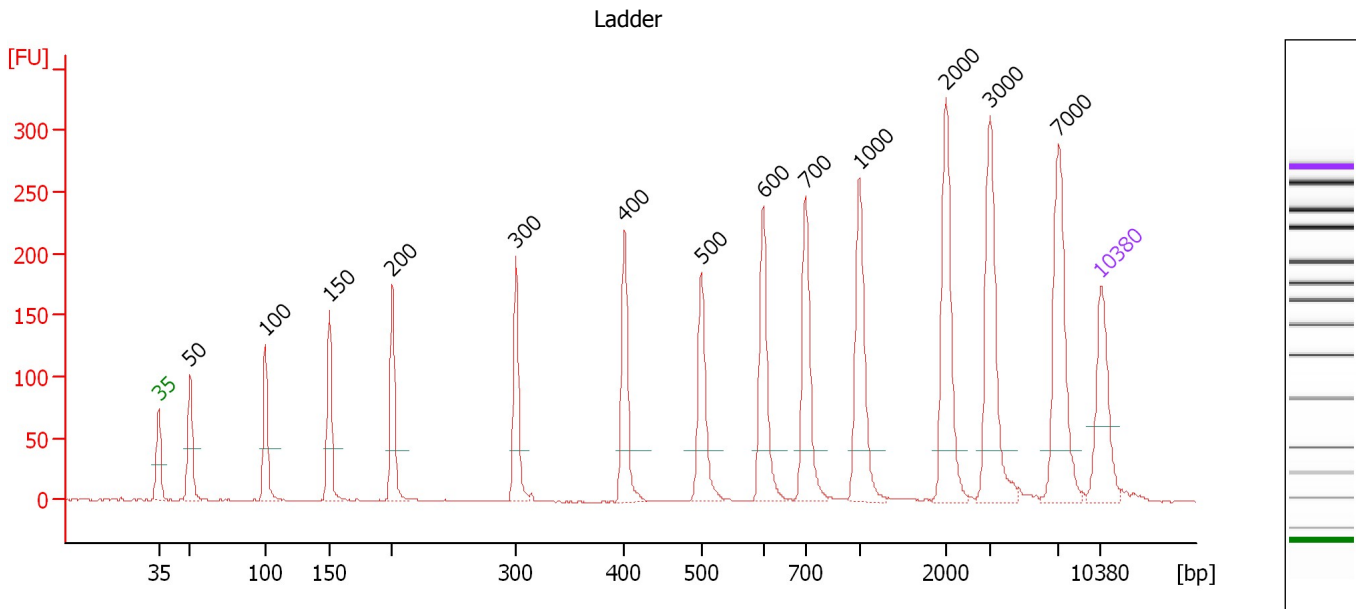
Ladder

| 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\2018-07-09\2018-07-09_001.xad

Created: 7/9/2018 9:29:46 AM
 Modified: 7/9/2018 9:56:36 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.5

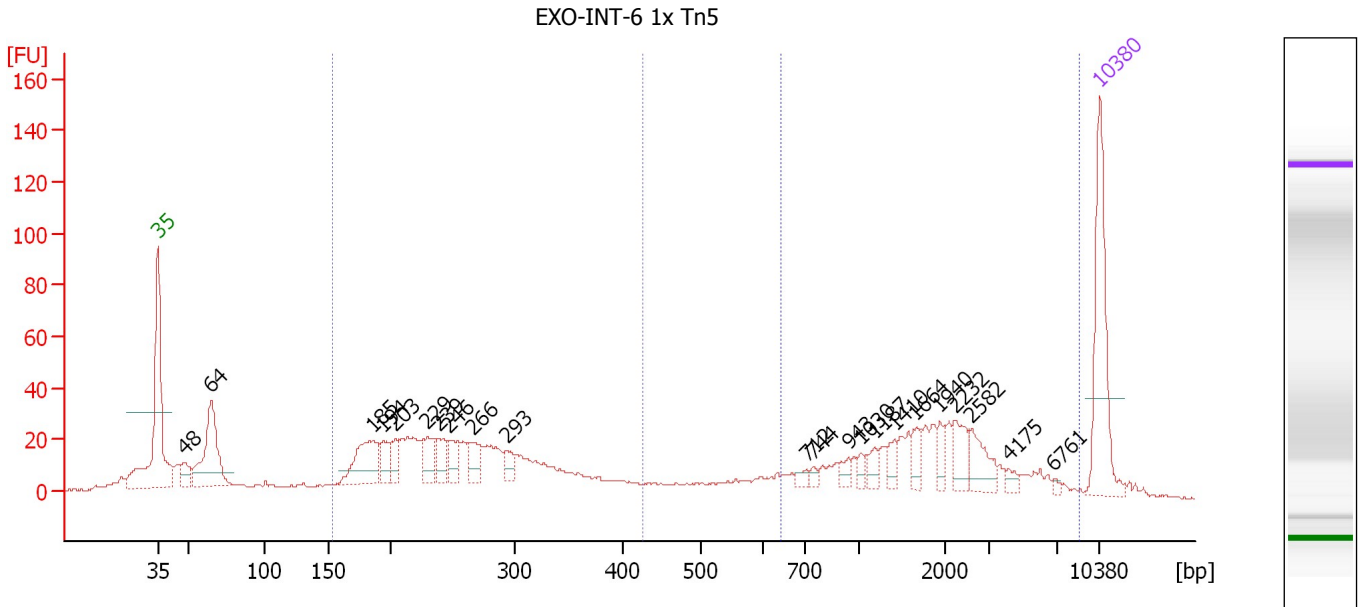
Peak table for Ladder

| 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 | 50.96 |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak | 55.69 |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak | 60.37 |
| 6 | 300 | 150.00 | 757.6 | Ladder Peak | 69.55 |
| 7 | 400 | 150.00 | 568.2 | Ladder Peak | 77.60 |
| 8 | 500 | 150.00 | 454.5 | Ladder Peak | 83.31 |
| 9 | 600 | 150.00 | 378.8 | Ladder Peak | 87.90 |
| 10 | 700 | 150.00 | 324.7 | Ladder Peak | 91.04 |
| 11 | 1,000 | 150.00 | 227.3 | Ladder Peak | 95.07 |
| 12 | 2,000 | 150.00 | 113.6 | Ladder Peak | 101.48 |
| 13 | 3,000 | 150.00 | 75.8 | Ladder Peak | 104.76 |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak | 109.86 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-09\2018-07-09_001.xad

Created: 7/9/2018 9:29:46 AM
 Modified: 7/9/2018 9:56:36 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : EXO-INT-6 1x Tn5

Number of peaks found: 22 Corr. Area 1: 514.8
 Noise: 0.3 Corr. Area 2: 357.6

Peak table for sample 1 : EXO-INT-6 1x Tn5

| 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 | 48 | 19.11 | 604.9 | | 45.01 |
| 3 | 64 | 103.77 | 2,438.3 | | 46.97 |
| 4 | 185 | 61.83 | 506.3 | | 58.97 |
| 5 | 194 | 24.49 | 191.5 | | 59.78 |
| 6 | 203 | 19.00 | 141.9 | | 60.64 |
| 7 | 229 | 23.73 | 157.0 | | 63.03 |
| 8 | 239 | 18.72 | 118.7 | | 63.94 |
| 9 | 246 | 22.63 | 139.3 | | 64.61 |
| 10 | 266 | 23.40 | 133.3 | | 66.43 |
| 11 | 293 | 13.49 | 69.9 | | 68.87 |
| 12 | 712 | 5.29 | 11.3 | | 91.20 |
| 13 | 744 | 3.85 | 7.8 | | 91.63 |
| 14 | 943 | 6.27 | 10.1 | | 94.30 |
| 15 | 1,030 | 6.05 | 8.9 | | 95.26 |
| 16 | 1,187 | 9.66 | 12.3 | | 96.27 |
| 17 | 1,410 | 10.35 | 11.1 | | 97.70 |
| 18 | 1,664 | 11.93 | 10.9 | | 99.33 |
| 19 | 1,940 | 10.13 | 7.9 | | 101.09 |
| 20 | 2,232 | 19.20 | 13.0 | | 102.24 |
| 21 | 2,582 | 22.56 | 13.2 | | 103.39 |
| 22 | 4,175 | 4.99 | 1.8 | | 106.26 |
| 23 | 6,761 | 1.91 | 0.4 | | 109.56 |
| 24 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-09\2018-07-09_001.xad

Created: 7/9/2018 9:29:46 AM
Modified: 7/9/2018 9:56:36 AM

Electropherogram Summary Continued ...

... Region table for sample 1 :

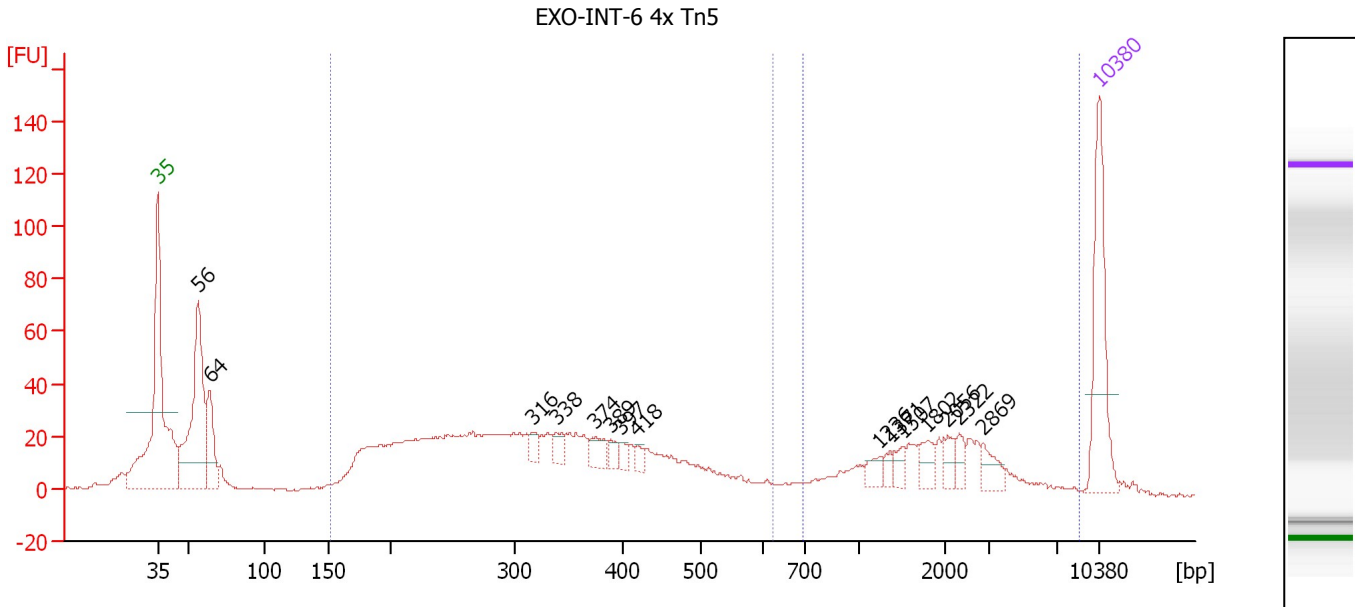
EXO-INT-6 1x Tn5

| From [bp] | To [bp] | Average Size [bp] | Conc. [pg/ μ l] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|-----------|---------|-------------------|---------------------|------------|-------------------|--|-----------------------------|
| 154 | 426 | 260 | 523.93 | 514.8 | 3,297.1 |  45 | 24.0 |
| 646 | 8,654 | 2,207 | 241.69 | 357.6 | 243.9 |  31 | 68.9 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-09\2018-07-09_001.xad

Created: 7/9/2018 9:29:46 AM
 Modified: 7/9/2018 9:56:36 AM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 2 : EXO-INT-6 4x Tn5

Height Threshold [FU] : 10

Overall Results for sample 2 : EXO-INT-6 4x Tn5

Number of peaks found: 15 Corr. Area 1: 783.4
 Noise: 0.3 Corr. Area 2: 250.5

Peak table for sample 2 : EXO-INT-6 4x Tn5

| Pea k | 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 | 56 | 194.55 | 5,233.5 | | 46.05 |
| 3 | 64 | 57.15 | 1,360.3 | | 46.88 |
| 4 | 316 | 10.34 | 49.6 | | 70.81 |
| 5 | 338 | 13.32 | 59.6 | | 72.65 |
| 6 | 374 | 17.26 | 69.9 | | 75.51 |
| 7 | 389 | 9.67 | 37.6 | | 76.72 |
| 8 | 397 | 6.98 | 26.6 | | 77.35 |
| 9 | 418 | 6.35 | 23.0 | | 78.65 |
| 10 | 1,236 | 9.56 | 11.7 | | 96.58 |
| 11 | 1,371 | 7.71 | 8.5 | | 97.45 |
| 12 | 1,507 | 8.13 | 8.2 | | 98.32 |
| 13 | 1,802 | 13.56 | 11.4 | | 100.21 |
| 14 | 2,056 | 11.06 | 8.1 | | 101.66 |
| 15 | 2,322 | 9.29 | 6.1 | | 102.54 |
| 16 | 2,869 | 13.35 | 7.1 | | 104.33 |
| 17 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Region table for sample 2 : EXO-INT-6 4x Tn5

| From [bp] | To [bp] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|-----------|---------|-------------------|---------------|------------|-------------------|-------------------|-----------------------------|
| 152 | 625 | 324 | 737.12 | 783.4 | 3,990.8 | 59 | 31.5 |


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-09\2018-07-09_001.xad

Created: 7/9/2018 9:29:46 AM
Modified: 7/9/2018 9:56:36 AM

Electropherogram Summary Continued ...

... Region table for sample 2 :

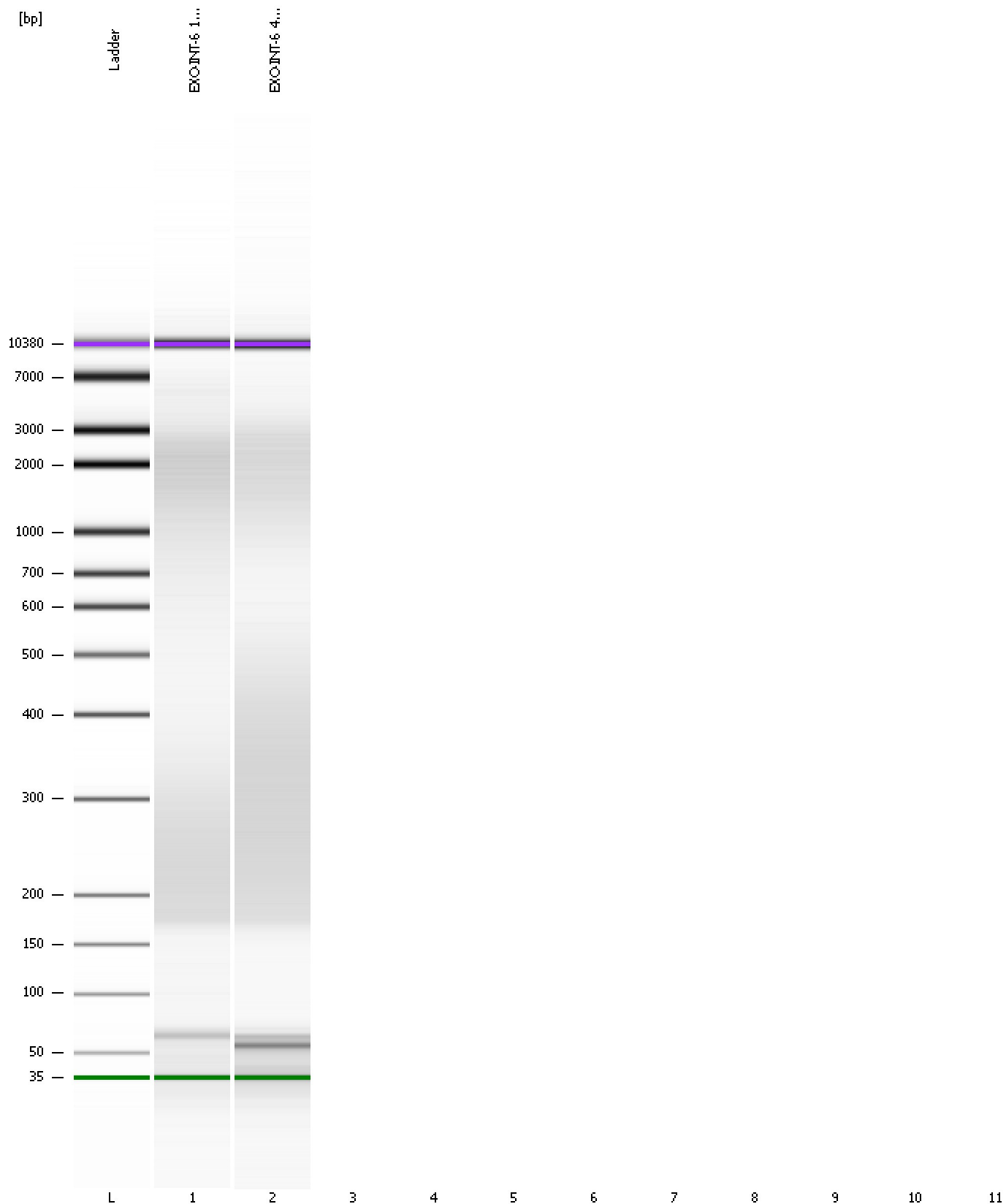
EXO-INT-6 4x Tn5

| From [bp] | To [bp] | Average Size [bp] | Conc. [pg/ μ l] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|-----------|---------|-------------------|---------------------|------------|-------------------|--|-----------------------------|
| 695 | 8,716 | 2,269 | 162.61 | 250.5 | 145.9 |  19 | 62.0 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-09\2018-07-09_001.xad

Created: 7/9/2018 9:29:46 AM
Modified: 7/9/2018 9:56:36 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-07-09\2018-07-09_001.xad

Created: 7/9/2018 9:29:46 AM
Modified: 7/9/2018 9:56:36 AM

Invalid Samples

Sample 3 has not been run, no results available.

Sample 4 has not been run, no results available.

Sample 5 has not been run, no results available.

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.