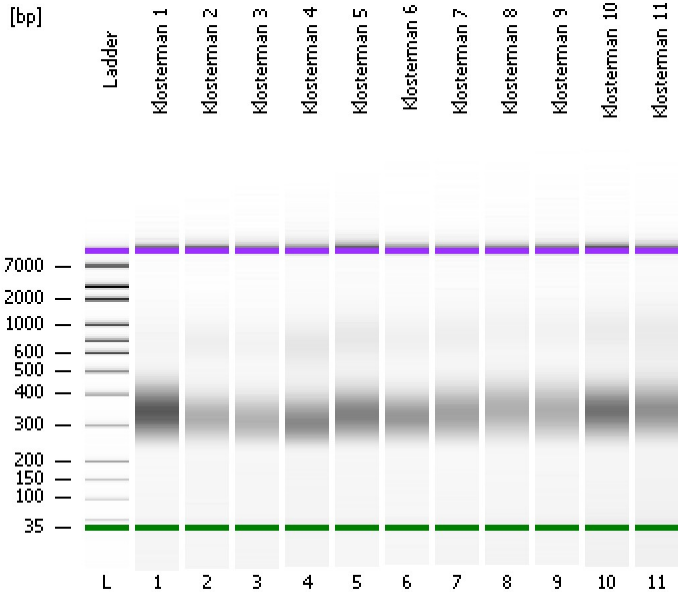


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-30\2015-01-30\_001.xad

Created: 1/30/2015 10:26:09 AM  
Modified: 1/30/2015 11:09:08 AM

**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

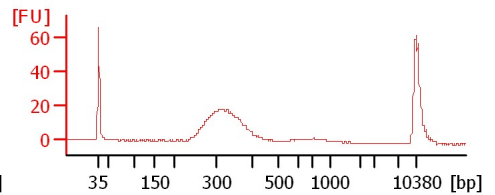
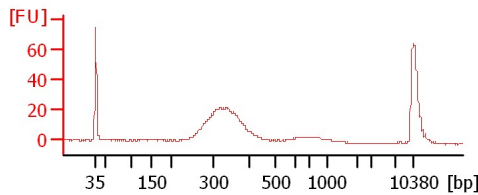
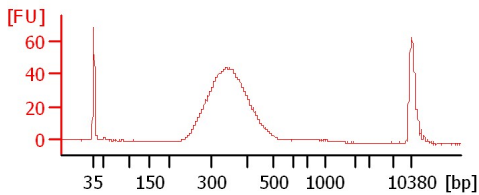
Chip Information:

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

**Klosterman 1**

**Klosterman 2**

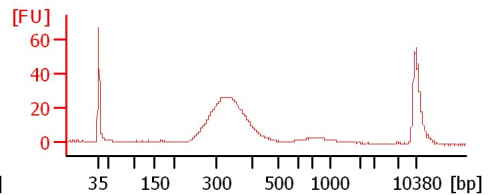
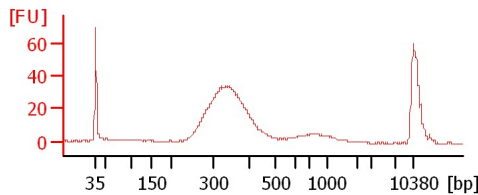
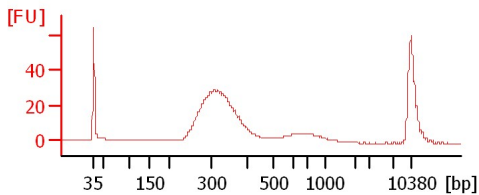
**Klosterman 3**



**Klosterman 4**

**Klosterman 5**

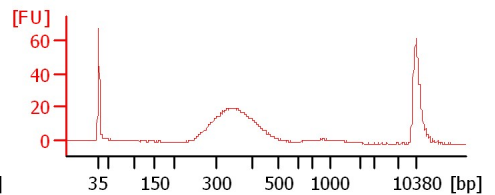
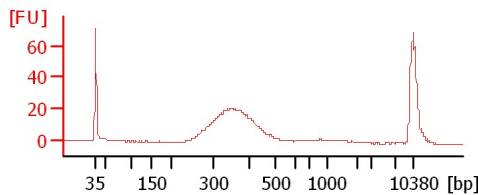
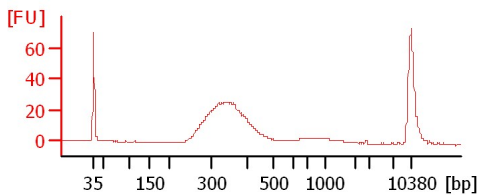
**Klosterman 6**



**Klosterman 7**

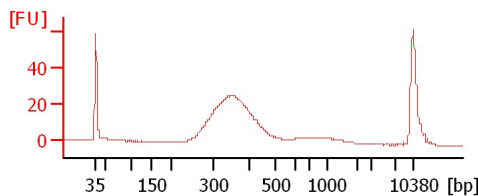
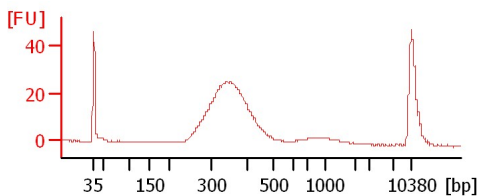
**Klosterman 8**

**Klosterman 9**



**Klosterman 10**

**Klosterman 11**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-30\2015-01-30\_001.xad

Created: 1/30/2015 10:26:09 AM  
 Modified: 1/30/2015 11:09:08 AM

**Electrophoresis File Run Summary (Chip Summary)**

| Sample Name   | Sample Comment | Rest. Digest             | Status | Observation | Result Label | Result Color |
|---------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| Klosterman 1  |                | <input type="checkbox"/> | ✓      |             |              |              |
| Klosterman 2  |                | <input type="checkbox"/> | ✓      |             |              |              |
| Klosterman 3  |                | <input type="checkbox"/> | ✓      |             |              |              |
| Klosterman 4  |                | <input type="checkbox"/> | ✓      |             |              |              |
| Klosterman 5  |                | <input type="checkbox"/> | ✓      |             |              |              |
| Klosterman 6  |                | <input type="checkbox"/> | ✓      |             |              |              |
| Klosterman 7  |                | <input type="checkbox"/> | ✓      |             |              |              |
| Klosterman 8  |                | <input type="checkbox"/> | ✓      |             |              |              |
| Klosterman 9  |                | <input type="checkbox"/> | ✓      |             |              |              |
| Klosterman 10 |                | <input type="checkbox"/> | ✓      |             |              |              |
| Klosterman 11 |                | <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\2015-01-30\2015-01-30\_001.xad

Created: 1/30/2015 10:26:09 AM  
Modified: 1/30/2015 11:09:08 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/ $\mu$ l] : 1950  
Uses Standard Area for Ladder Fragments  
Lower Marker Concentration [pg/ $\mu$ l] : 125  
Upper Marker Concentration [pg/ $\mu$ l] : 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

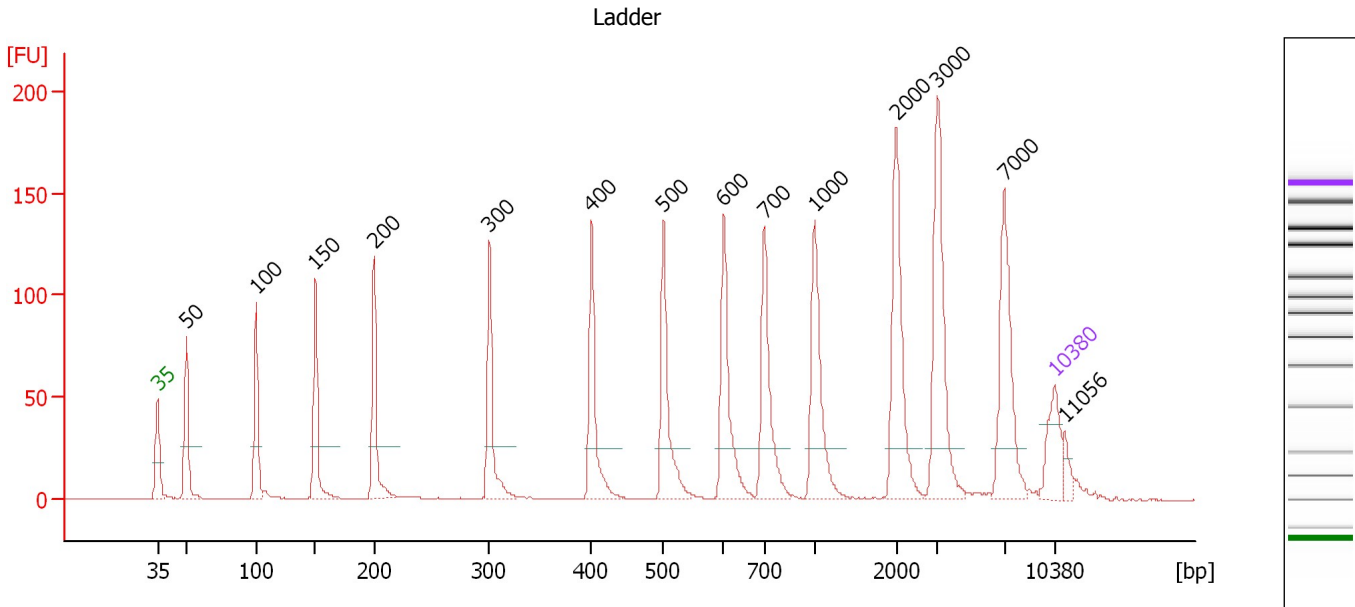
**Ladder**

| 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\2015-01-30\2015-01-30\_001.xad

Created: 1/30/2015 10:26:09 AM  
 Modified: 1/30/2015 11:09:08 AM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

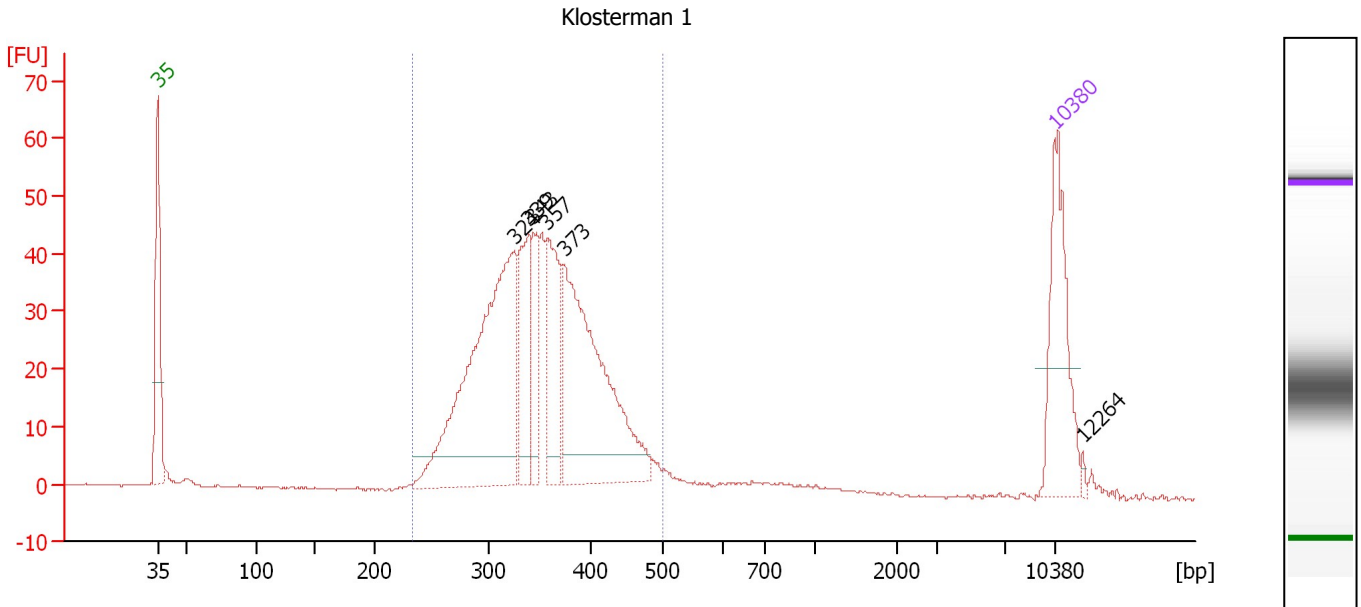
**Peak table for Ladder**

| 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  | 45.26                      |
| 3    | 100       | 150.00        | 2,272.7           | Ladder Peak  | 50.71                      |
| 4    | 150       | 150.00        | 1,515.2           | Ladder Peak  | 55.32                      |
| 5    | 200       | 150.00        | 1,136.4           | Ladder Peak  | 59.89                      |
| 6    | 300       | 150.00        | 757.6             | Ladder Peak  | 68.90                      |
| 7    | 400       | 150.00        | 568.2             | Ladder Peak  | 76.87                      |
| 8    | 500       | 150.00        | 454.5             | Ladder Peak  | 82.48                      |
| 9    | 600       | 150.00        | 378.8             | Ladder Peak  | 87.19                      |
| 10   | 700       | 150.00        | 324.7             | Ladder Peak  | 90.36                      |
| 11   | 1,000     | 150.00        | 227.3             | Ladder Peak  | 94.28                      |
| 12   | 2,000     | 150.00        | 113.6             | Ladder Peak  | 100.64                     |
| 13   | 3,000     | 150.00        | 75.8              | Ladder Peak  | 103.86                     |
| 14   | 7,000     | 150.00        | 32.5              | Ladder Peak  | 109.08                     |
| 15   | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |
| 16   | 11,056    | 0.00          | 0.0               |              | 113.78                     |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-30\2015-01-30\_001.xad

Created: 1/30/2015 10:26:09 AM  
 Modified: 1/30/2015 11:09:08 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : Klosterman 1**

Number of peaks found: 6                      Corr. Area 1: 694.3  
 Noise: 0.2

**Peak table for sample 1 : Klosterman 1**

| 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    | 324       | 325.59        | 1,522.4           |              | 70.82                      |
| 3    | 339       | 77.35         | 345.9             |              | 72.00                      |
| 4    | 343       | 50.43         | 222.6             |              | 72.34                      |
| 5    | 357       | 88.15         | 374.2             |              | 73.44                      |
| 6    | 373       | 236.98        | 961.7             |              | 74.75                      |
| 7    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |
| 8    | 12,264    | 0.00          | 0.0               |              | 115.18                     |

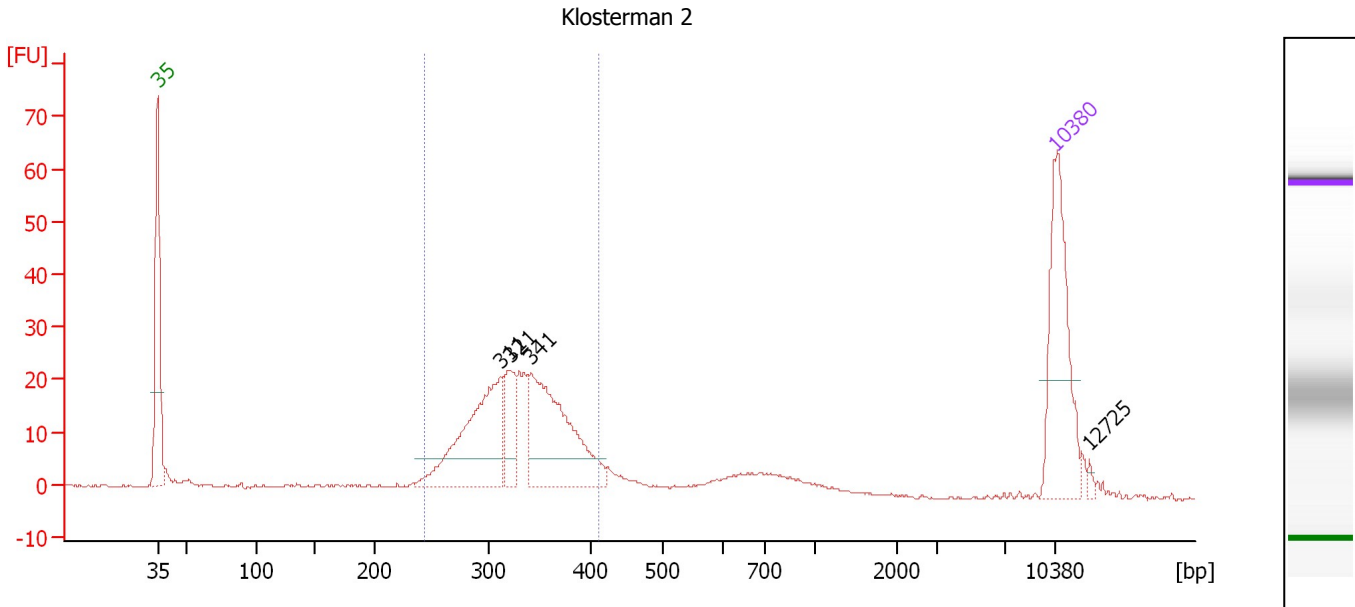
**Region table for sample 1 : Klosterman 1**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 233       | 350               | 499     | 694.3      | 92         | 14.9                        | 891.00        | 3,973.1           | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-30\2015-01-30\_001.xad

Created: 1/30/2015 10:26:09 AM  
 Modified: 1/30/2015 11:09:08 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : Klosterman 2**

Number of peaks found: 4                      Corr. Area 1: 293.6  
 Noise: 0.2

**Peak table for sample 2 : Klosterman 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    | 311       | 123.90        | 603.6             |              | 69.78                      |
| 3    | 321       | 35.65         | 168.2             |              | 70.58                      |
| 4    | 341       | 128.94        | 572.5             |              | 72.19                      |
| 5    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |
| 6    | 12,725    | 0.00          | 0.0               |              | 115.72                     |

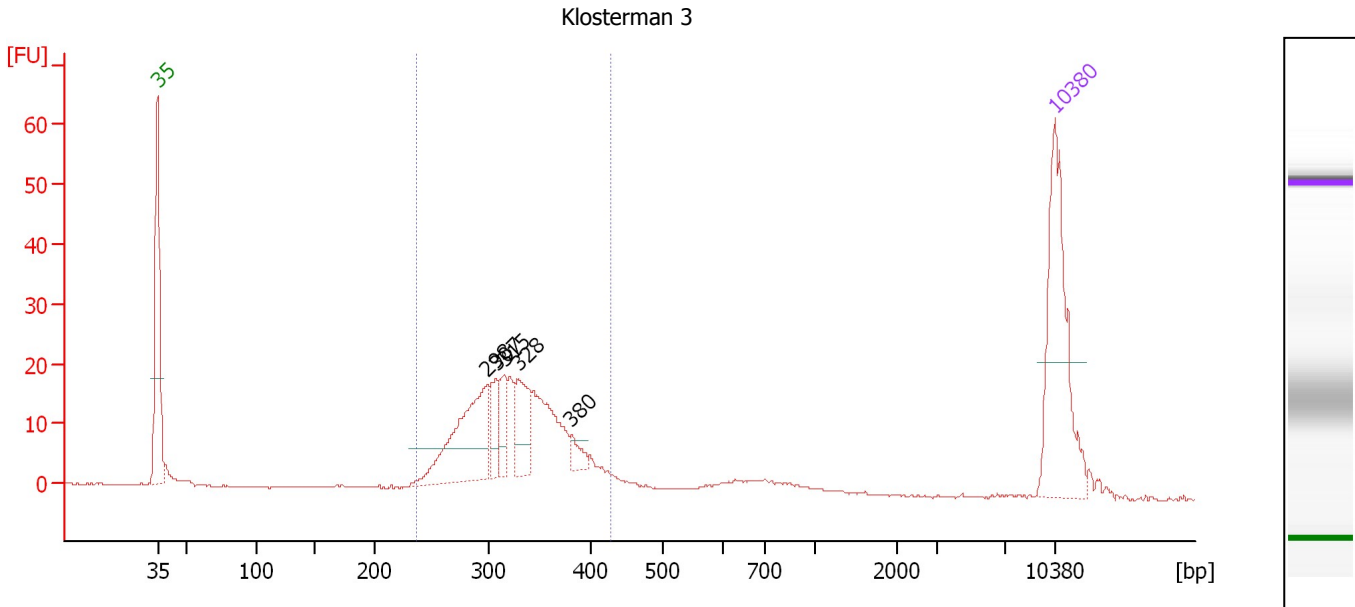
**Region table for sample 2 : Klosterman 2**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 243       | 328               | 411     | 293.6      | 76         | 11.5                        | 339.96        | 1,594.6           | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-30\2015-01-30\_001.xad

Created: 1/30/2015 10:26:09 AM  
 Modified: 1/30/2015 11:09:08 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : Klosterman 3**

Number of peaks found: 5                      Corr. Area 1: 251.2  
 Noise: 0.1

**Peak table for sample 3 : Klosterman 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    | 298       | 90.05         | 458.2             |              | 68.70                      |
| 3    | 307       | 20.97         | 103.6             |              | 69.43                      |
| 4    | 315       | 19.81         | 95.4              |              | 70.06                      |
| 5    | 328       | 34.76         | 160.5             |              | 71.14                      |
| 6    | 380       | 8.58          | 34.2              |              | 75.31                      |
| 7    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

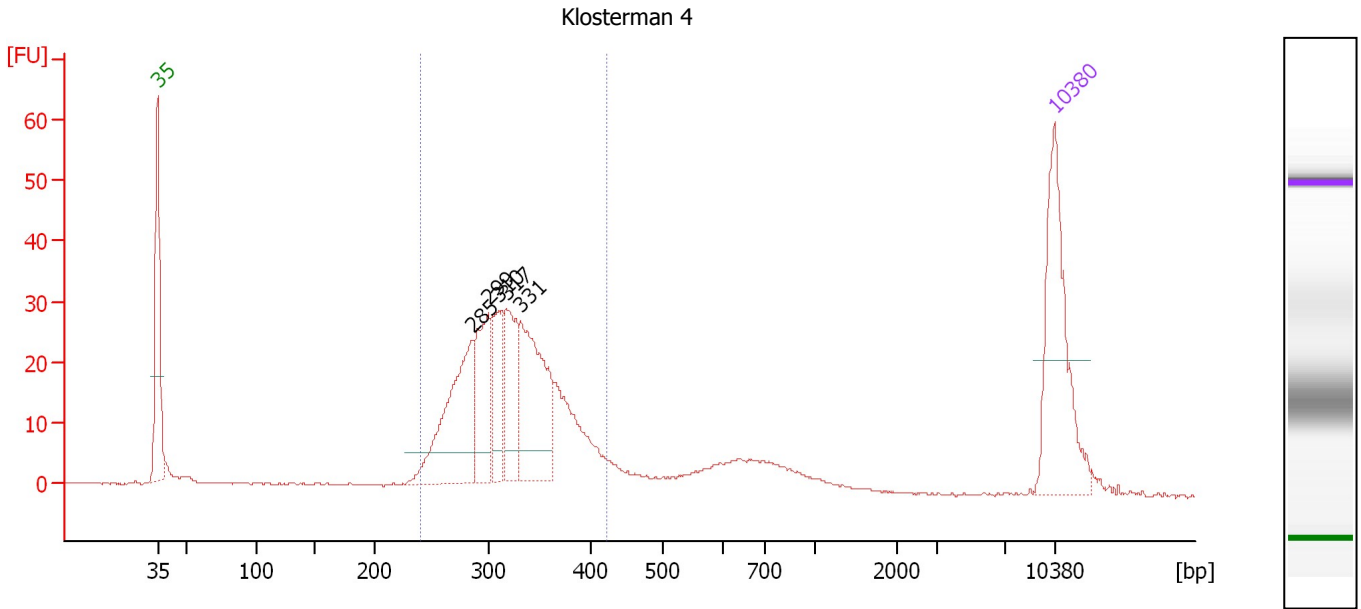
**Region table for sample 3 : Klosterman 3**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 237       | 324               | 426     | 251.2      | 87         | 12.3                        | 307.65        | 1,467.1           | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-30\2015-01-30\_001.xad

Created: 1/30/2015 10:26:09 AM  
 Modified: 1/30/2015 11:09:08 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : Klosterman 4**

Number of peaks found: 5                      Corr. Area 1: 396.6  
 Noise: 0.1

**Peak table for sample 4 : Klosterman 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    | 285       | 108.17        | 575.8             |              | 67.52                      |
| 3    | 299       | 62.14         | 314.9             |              | 68.81                      |
| 4    | 310       | 41.95         | 205.1             |              | 69.69                      |
| 5    | 317       | 51.40         | 245.8             |              | 70.24                      |
| 6    | 331       | 97.93         | 448.6             |              | 71.35                      |
| 7    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

**Region table for sample 4 : Klosterman 4**

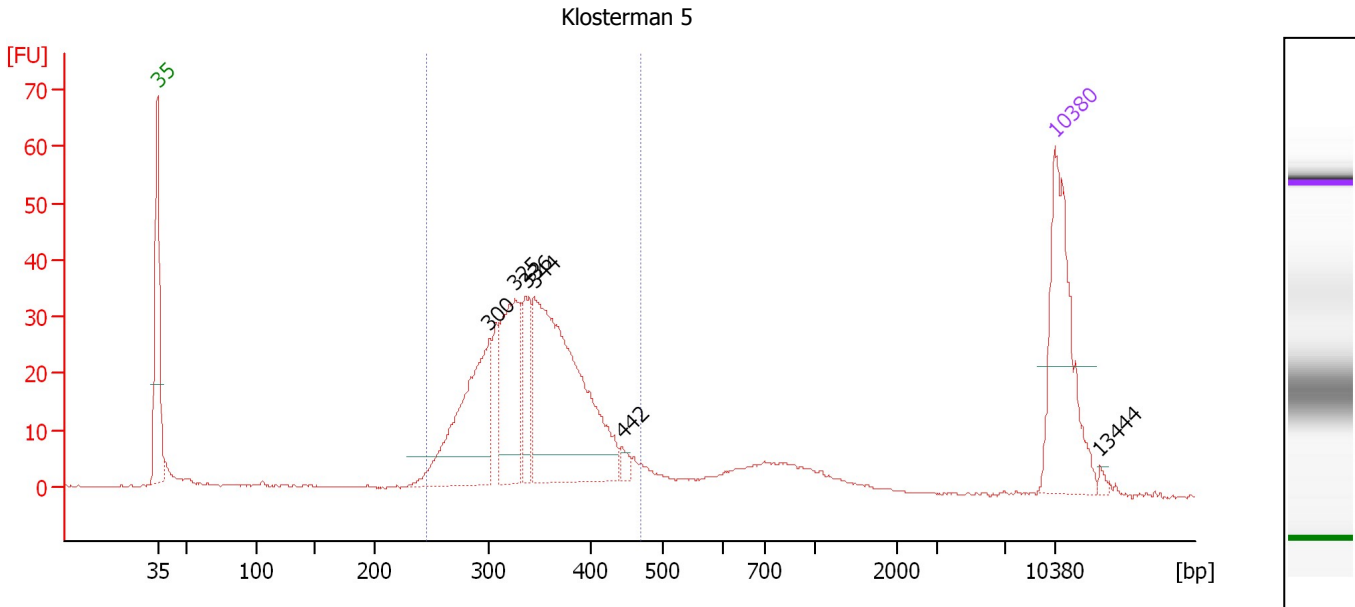
| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 240       | 321               | 420     | 396.6      | 79         | 12.4                        | 464.30        | 2,235.8           | Blue  |



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-30\2015-01-30\_001.xad

Created: 1/30/2015 10:26:09 AM  
 Modified: 1/30/2015 11:09:08 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : Klosterman 5**

Number of peaks found: 6                      Corr. Area 1: 493.0  
 Noise: 0.2

**Peak table for sample 5 : Klosterman 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    | 300       | 122.13        | 617.8             |              | 68.86                      |
| 3    | 325       | 87.45         | 407.7             |              | 70.90                      |
| 4    | 336       | 36.18         | 163.3             |              | 71.75                      |
| 5    | 344       | 213.09        | 938.4             |              | 72.41                      |
| 6    | 442       | 5.70          | 19.6              |              | 79.23                      |
| 7    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |
| 8    | 13,444    | 0.00          | 0.0               |              | 116.55                     |

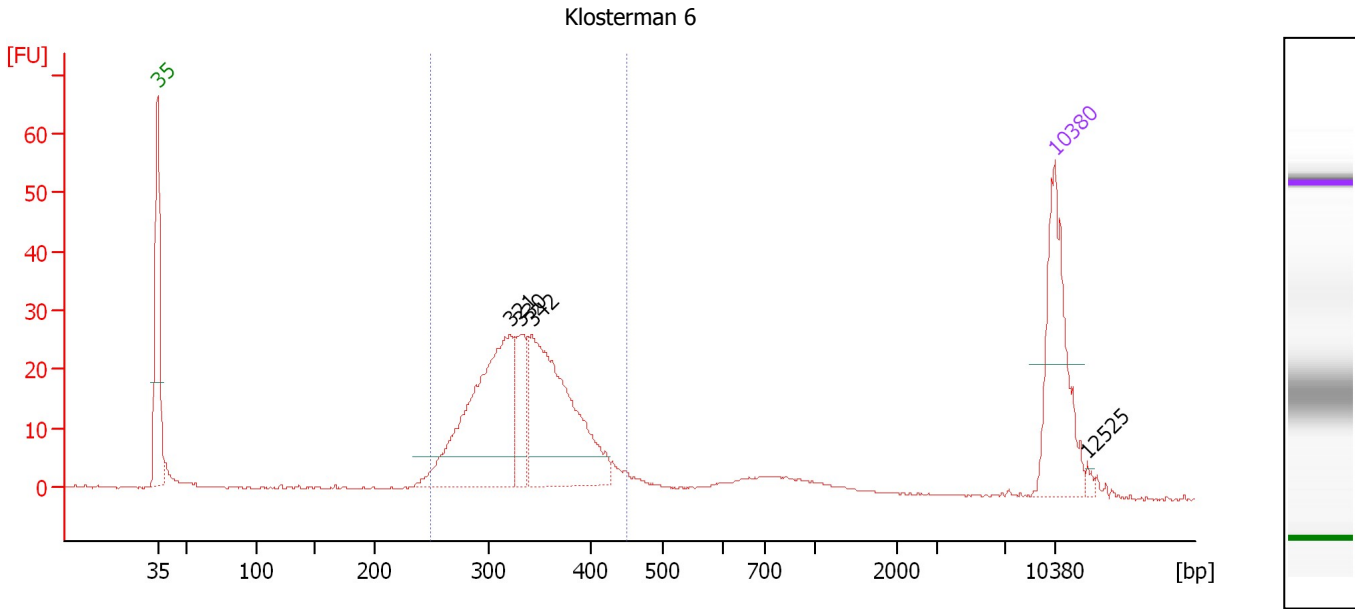
**Region table for sample 5 : Klosterman 5**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 245       | 341               | 468     | 493.0      | 78         | 13.7                        | 528.44        | 2,402.5           | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-30\2015-01-30\_001.xad

Created: 1/30/2015 10:26:09 AM  
 Modified: 1/30/2015 11:09:08 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : Klosterman 6**

Number of peaks found: 4                      Corr. Area 1: 355.3  
 Noise: 0.1

**Peak table for sample 6 : Klosterman 6**

| 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    | 321       | 199.86        | 944.6             |              | 70.54                      |
| 3    | 330       | 42.15         | 193.4             |              | 71.31                      |
| 4    | 342       | 182.67        | 808.9             |              | 72.26                      |
| 5    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |
| 6    | 12,525    | 0.00          | 0.0               |              | 115.49                     |

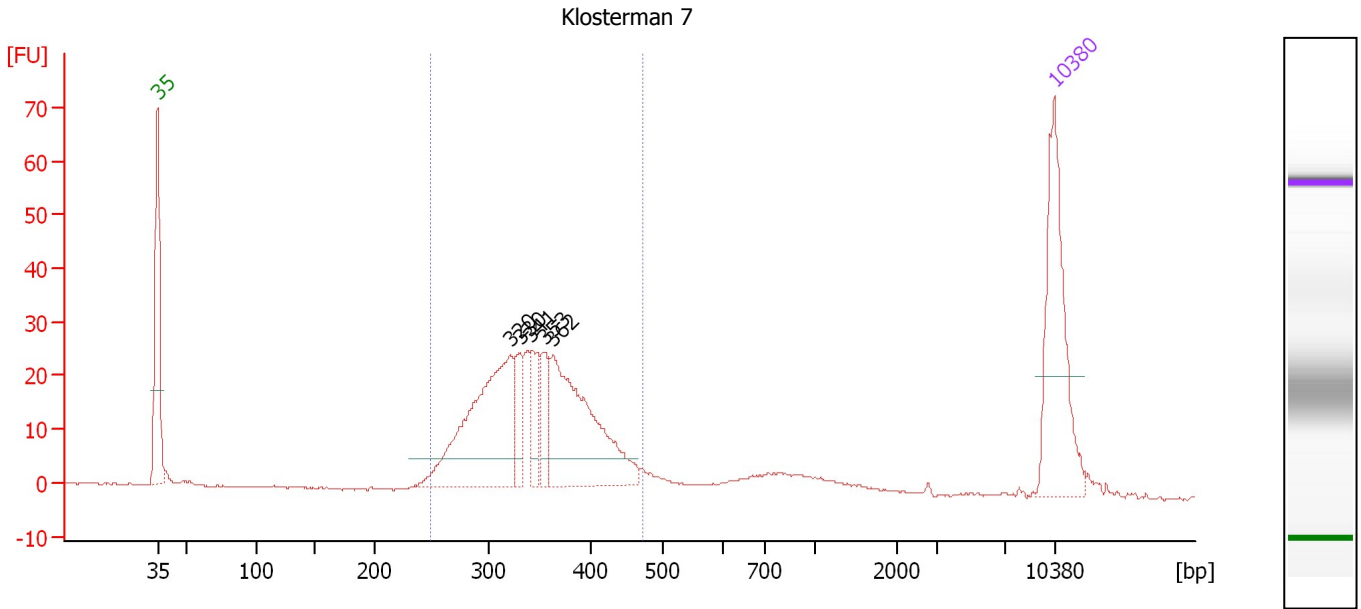
**Region table for sample 6 : Klosterman 6**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 249       | 334               | 448     | 355.3      | 83         | 12.5                        | 461.01        | 2,129.4           | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-30\2015-01-30\_001.xad

Created: 1/30/2015 10:26:09 AM  
 Modified: 1/30/2015 11:09:08 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : Klosterman 7**

Number of peaks found: 5                      Corr. Area 1: 380.7  
 Noise: 0.2

**Peak table for sample 7 : Klosterman 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    | 320       | 152.80        | 722.4             |              | 70.53                      |
| 3    | 330       | 24.51         | 112.7             |              | 71.26                      |
| 4    | 341       | 26.09         | 115.8             |              | 72.19                      |
| 5    | 353       | 23.11         | 99.1              |              | 73.16                      |
| 6    | 362       | 133.60        | 559.2             |              | 73.84                      |
| 7    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

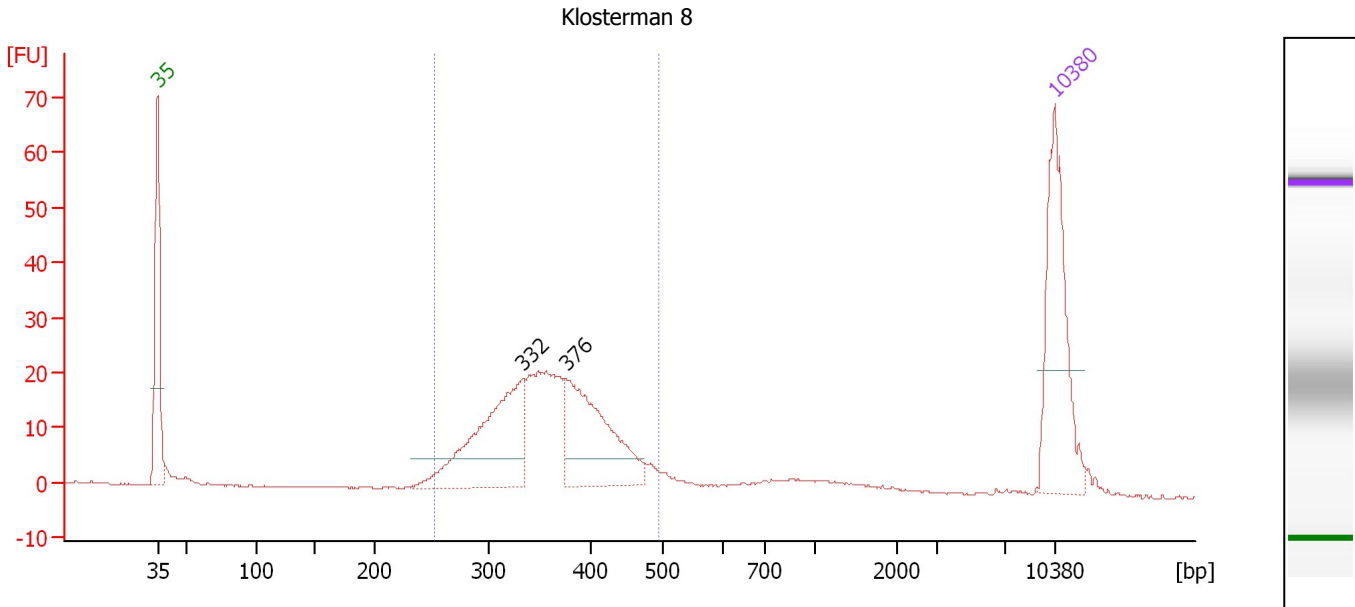
**Region table for sample 7 : Klosterman 7**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 250       | 345               | 471     | 380.7      | 86         | 13.8                        | 405.34        | 1,825.6           | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-30\2015-01-30\_001.xad

Created: 1/30/2015 10:26:09 AM  
 Modified: 1/30/2015 11:09:08 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : Klosterman 8**

Number of peaks found: 2                      Corr. Area 1: 322.7  
 Noise: 0.1

**Peak table for sample 8 : Klosterman 8**

| 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    | 332       | 124.92        | 569.5             |              | 71.48                      |
| 3    | 376       | 105.57        | 425.6             |              | 74.95                      |
| 4    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

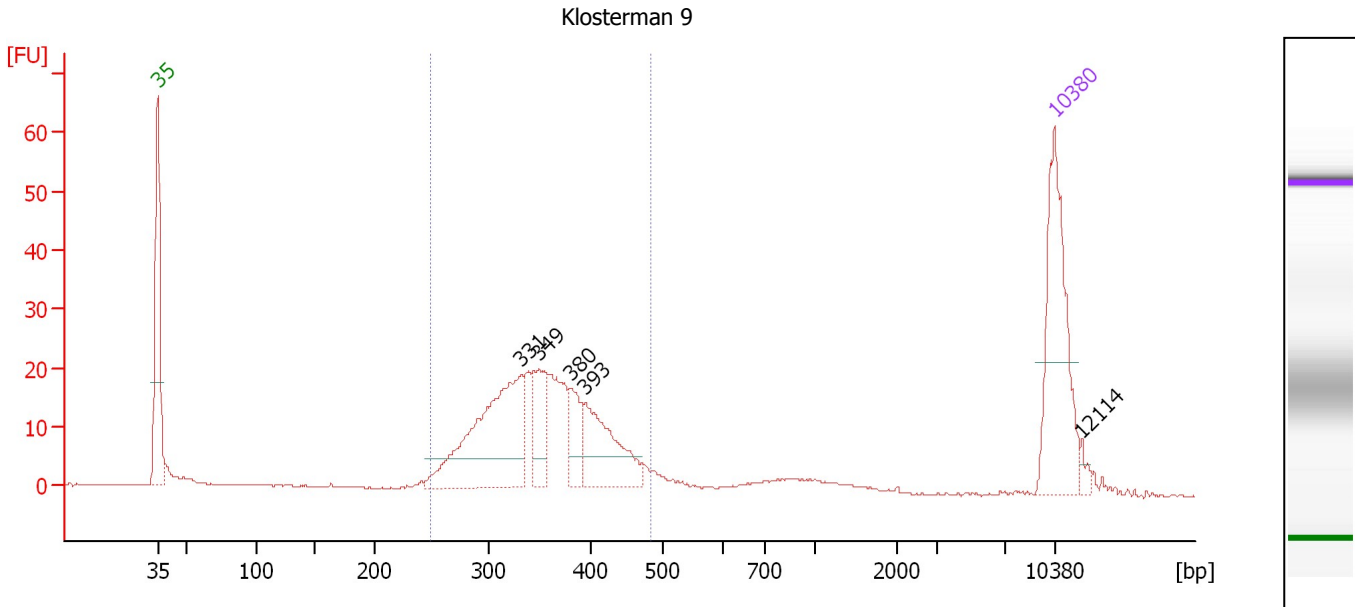
**Region table for sample 8 : Klosterman 8**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 253       | 359               | 494     | 322.7      | 83         | 14.6                        | 337.66        | 1,466.2           | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-30\2015-01-30\_001.xad

Created: 1/30/2015 10:26:09 AM  
 Modified: 1/30/2015 11:09:08 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : Klosterman 9**

Number of peaks found: 5                      Corr. Area 1: 311.1  
 Noise: 0.1

**Peak table for sample 9 : Klosterman 9**

| 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    | 331       | 141.38        | 646.9             |              | 71.38                      |
| 3    | 349       | 40.36         | 175.2             |              | 72.80                      |
| 4    | 380       | 23.96         | 95.5              |              | 75.30                      |
| 5    | 393       | 62.19         | 239.6             |              | 76.33                      |
| 6    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |
| 7    | 12,114    | 0.00          | 0.0               |              | 115.01                     |

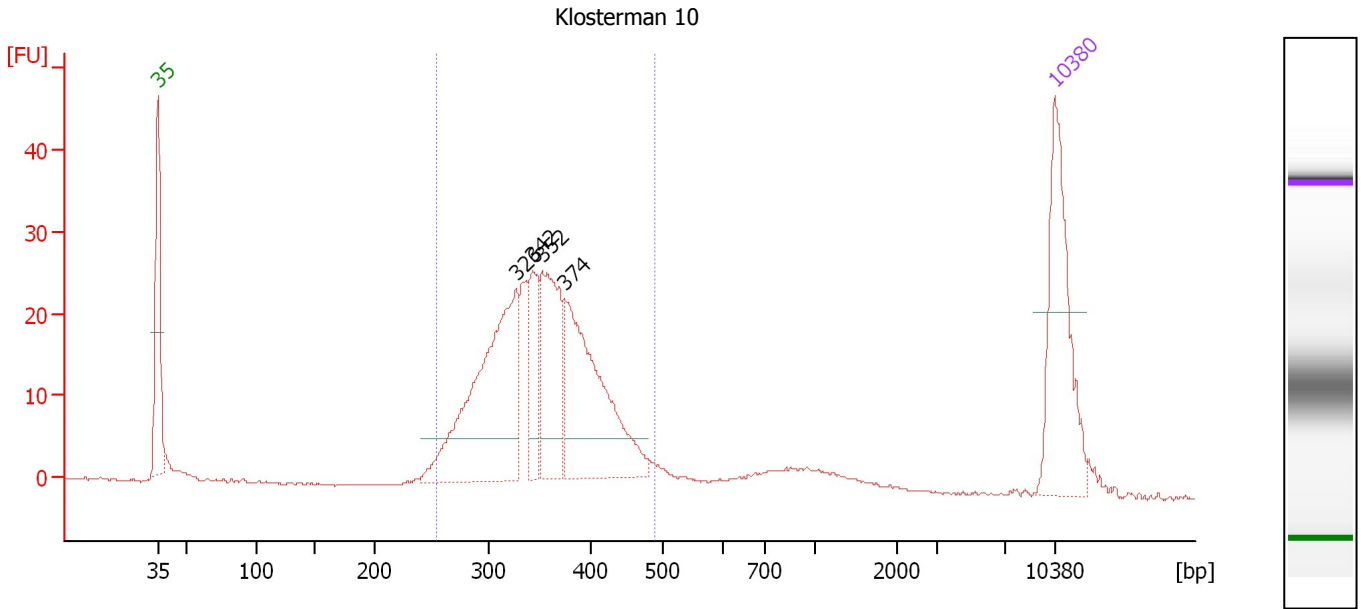
**Region table for sample 9 : Klosterman 9**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 248       | 352               | 483     | 311.1      | 78         | 14.5                        | 369.00        | 1,630.8           | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-30\2015-01-30\_001.xad

Created: 1/30/2015 10:26:09 AM  
 Modified: 1/30/2015 11:09:08 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : Klosterman 10**

Number of peaks found: 4                      Corr. Area 1: 363.6  
 Noise: 0.1

**Peak table for sample 10 : Klosterman 10**

| 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    | 326       | 185.04        | 859.8             |              | 70.98                      |
| 3    | 342       | 43.79         | 193.9             |              | 72.27                      |
| 4    | 352       | 89.69         | 386.6             |              | 73.01                      |
| 5    | 374       | 141.74        | 574.4             |              | 74.79                      |
| 6    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

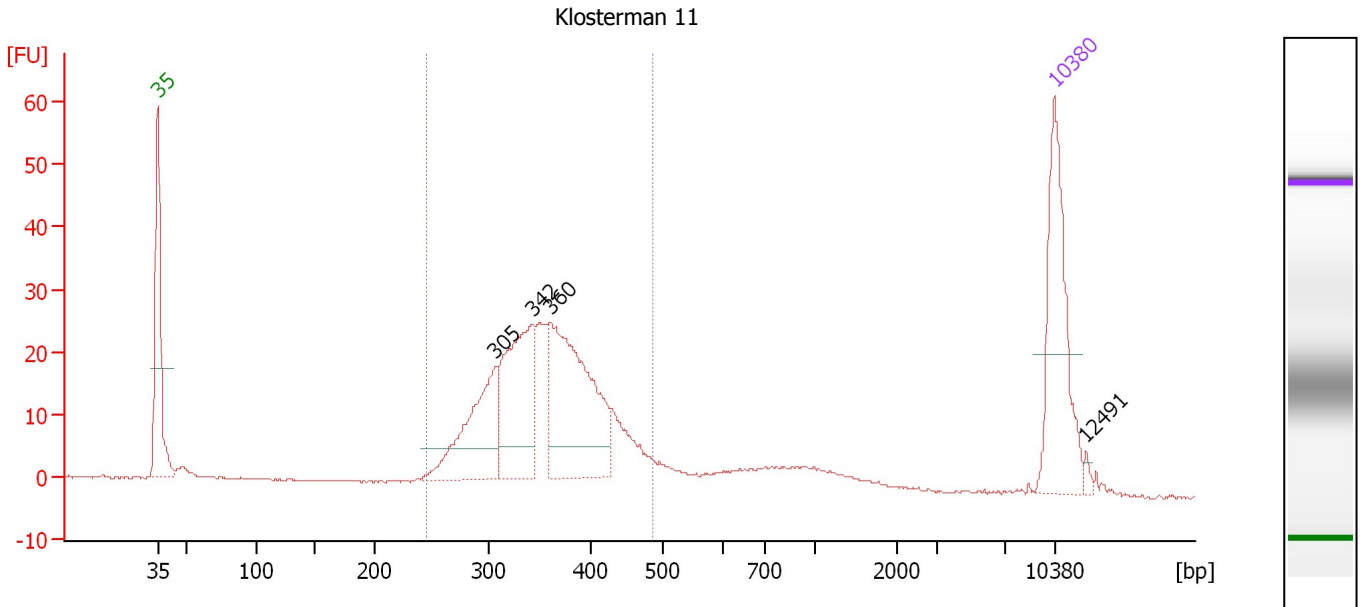
**Region table for sample 10 : Klosterman 10**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 254       | 352               | 488     | 363.6      | 88         | 13.9                        | 530.63        | 2,340.3           | Blue  |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-30\2015-01-30\_001.xad

Created: 1/30/2015 10:26:09 AM  
 Modified: 1/30/2015 11:09:08 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : Klosterman 11**

Number of peaks found: 4                      Corr. Area 1: 377.4  
 Noise: 0.1

**Peak table for sample 11 : Klosterman 11**

| 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    | 305       | 93.21         | 462.8             |              | 69.31                      |
| 3    | 342       | 113.04        | 501.5             |              | 72.21                      |
| 4    | 360       | 153.13        | 645.1             |              | 73.66                      |
| 5    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |
| 6    | 12,491    | 0.00          | 0.0               |              | 115.45                     |

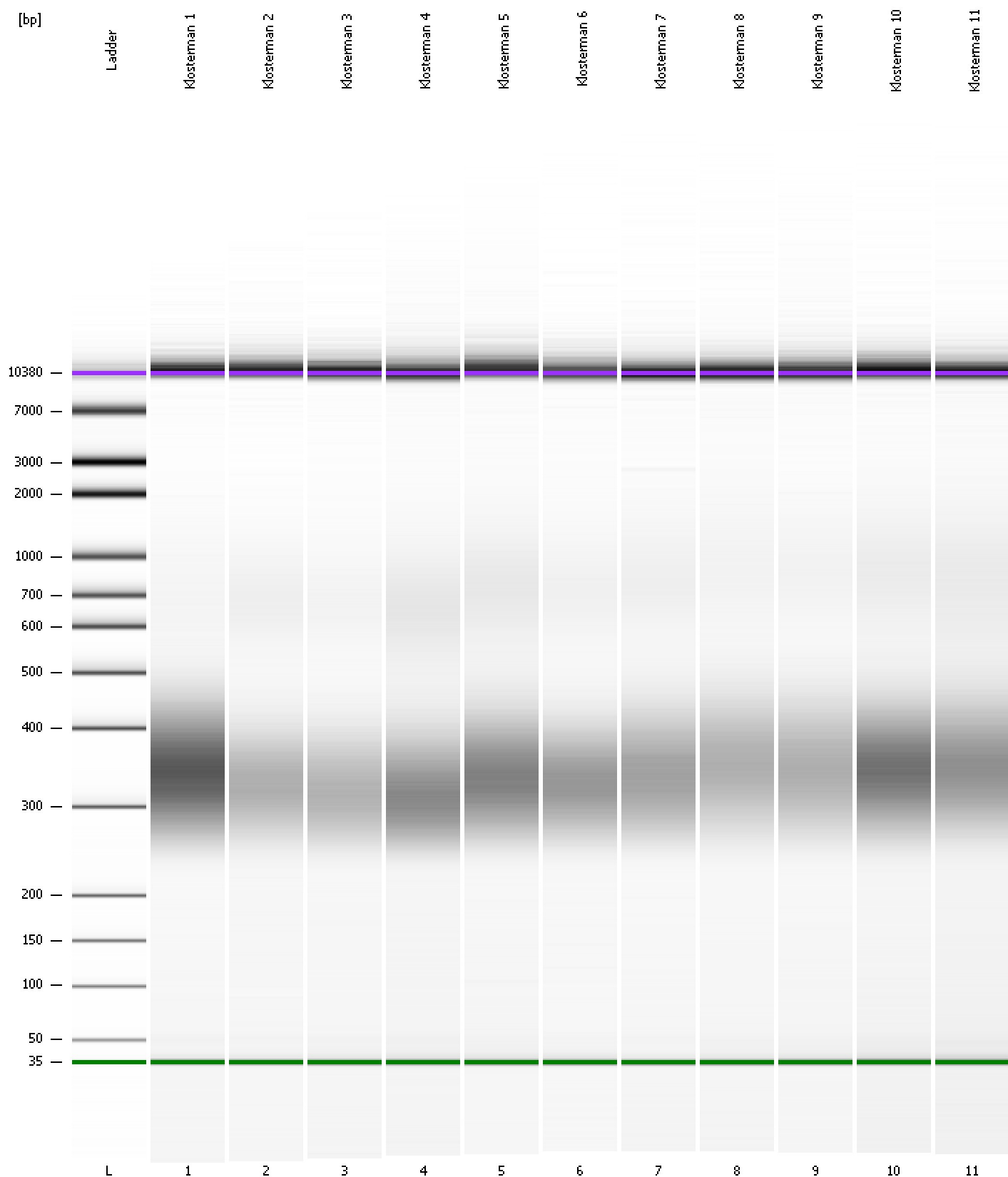
**Region table for sample 11 : Klosterman 11**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|-------------------|---------|------------|------------|-----------------------------|---------------|-------------------|-------|
| 245       | 355               | 486     | 377.4      | 81         | 14.2                        | 469.62        | 2,057.5           | Blue  |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-30\2015-01-30\_001.xad

Created: 1/30/2015 10:26:09 AM  
Modified: 1/30/2015 11:09:08 AM

**Gel Image**





Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-01-30\2015-01-30\_001.xad

Created: 1/30/2015 10:26:09 AM  
 Modified: 1/30/2015 11:09:08 AM

**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      |              | 1/30/2015 11:07:26 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-01-30\2015-01-30_001.xad) |        | Instrument | Run      |              | 1/30/2015 10:26:14 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B   |        | Instrument | Run      |              | 1/30/2015 10:26:14 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name :  |        | Instrument | Run      |              | 1/30/2015 10:26:14 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies   |        | Instrument | Run      |              | 1/30/2015 10:26:14 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086  |        | Instrument | Run      |              | 1/30/2015 10:26:14 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069   |        | Instrument | Run      |              | 1/30/2015 10:26:14 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode   |        | Instrument | Run      |              | 1/30/2015 10:26:14 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |