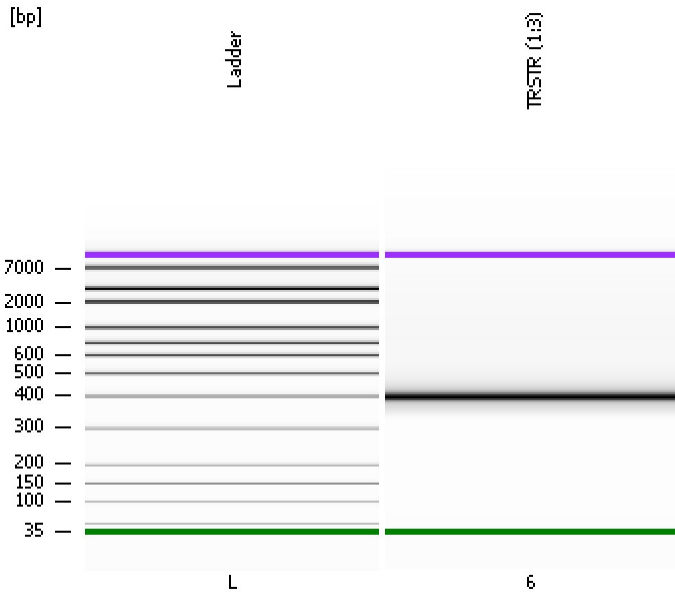


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...nd Settings\Bioanalyzer\2015-09-04\2015-09-04\_002\_TRSTR.xad

Created: 9/4/2015 4:25:22 PM  
Modified: 9/4/2015 4:57:40 PM

**Electrophoresis File Run Summary**



Instrument Information:

Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

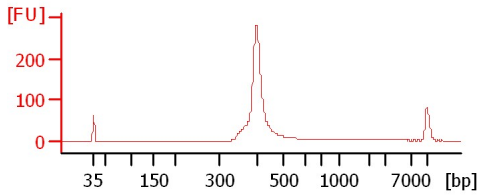
Assay Information:

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:

TRSTR (1:3)



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...nd Settings\Bioanalyzer\2015-09-04\2015-09-04\_002\_TRSTR.xad

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

| Sample Name       | Sample Comment | Rest. Digest             | Status | Observation              | Result Label | Result Color |
|-------------------|----------------|--------------------------|--------|--------------------------|--------------|--------------|
| TRSTR (1:3)       |                | <input type="checkbox"/> | ✓      |                          |              |              |
| Ladder            |                | <input type="checkbox"/> | ✓      |                          |              |              |
| <b>Chip Lot #</b> |                |                          |        | <b>Reagent Kit Lot #</b> |              |              |

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...nd Settings\Bioanalyzer\2015-09-04\2015-09-04\_002\_TRSTR.xad

Created: 9/4/2015 4:25:22 PM  
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**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

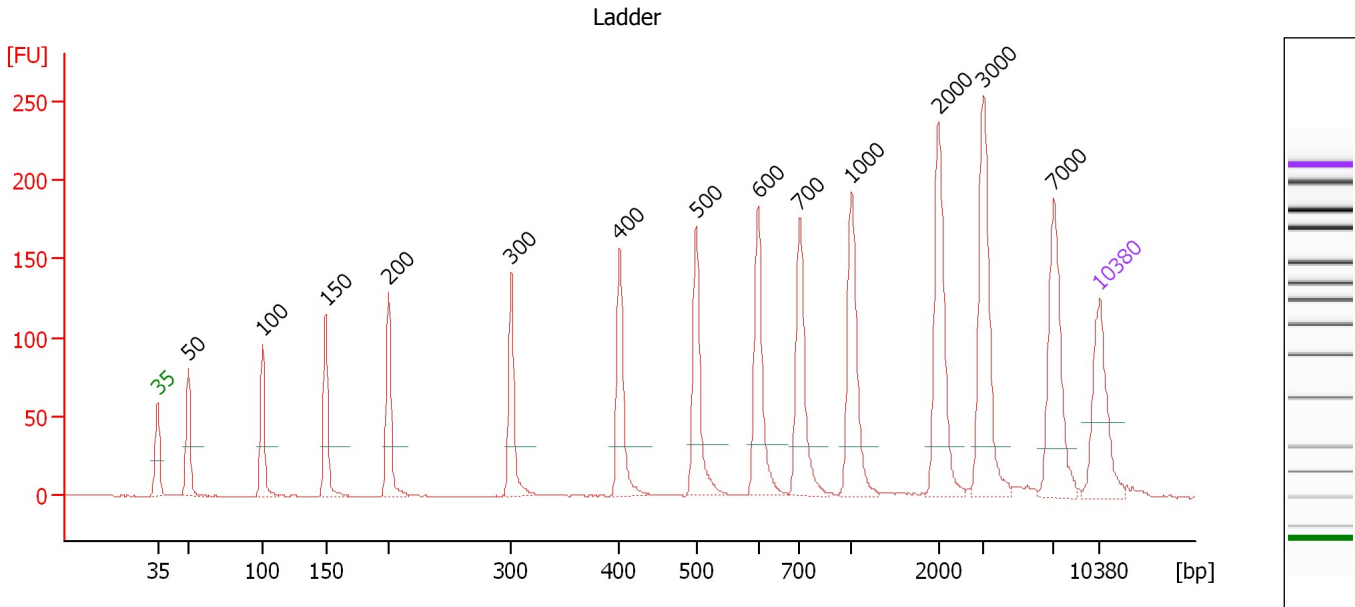
**Ladder**

| 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:\...nd Settings\Bioanalyzer\2015-09-04\2015-09-04\_002\_TRSTR.xad

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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

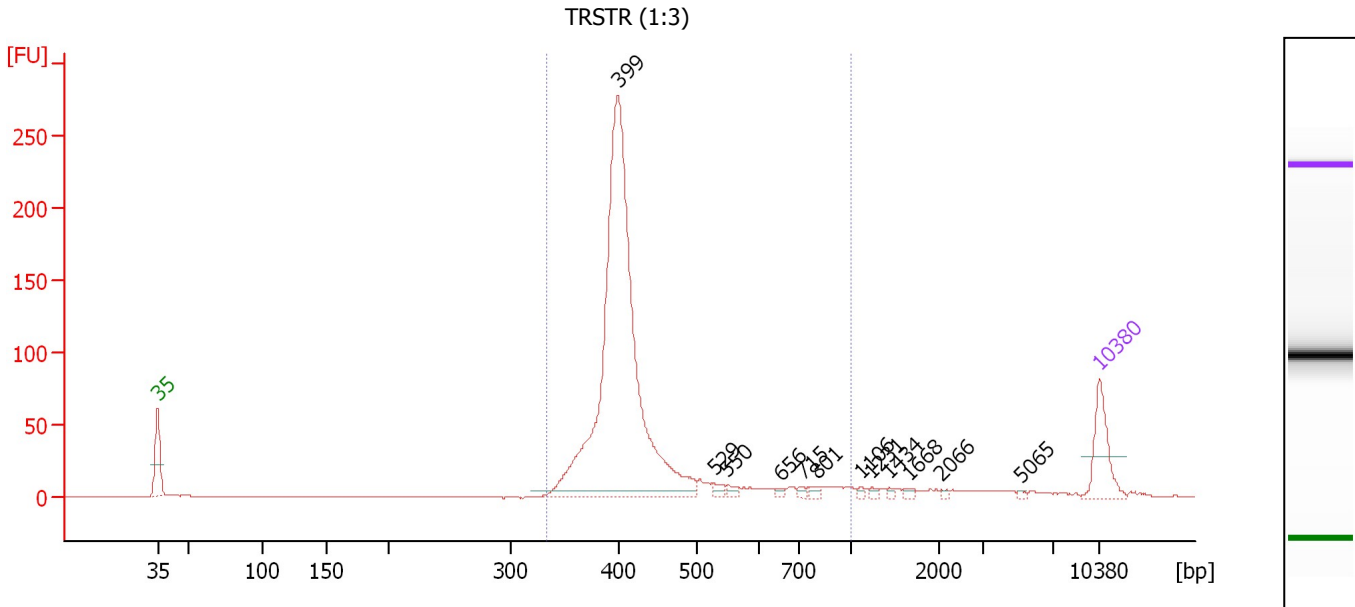
**Peak table for Ladder**

| 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  | 45.27                      |
| 3    | 100       | 150.00        | 2,272.7           | Ladder Peak  | 50.77                      |
| 4    | 150       | 150.00        | 1,515.2           | Ladder Peak  | 55.51                      |
| 5    | 200       | 150.00        | 1,136.4           | Ladder Peak  | 60.16                      |
| 6    | 300       | 150.00        | 757.6             | Ladder Peak  | 69.26                      |
| 7    | 400       | 150.00        | 568.2             | Ladder Peak  | 77.31                      |
| 8    | 500       | 150.00        | 454.5             | Ladder Peak  | 83.00                      |
| 9    | 600       | 150.00        | 378.8             | Ladder Peak  | 87.60                      |
| 10   | 700       | 150.00        | 324.7             | Ladder Peak  | 90.68                      |
| 11   | 1,000     | 150.00        | 227.3             | Ladder Peak  | 94.56                      |
| 12   | 2,000     | 150.00        | 113.6             | Ladder Peak  | 101.01                     |
| 13   | 3,000     | 150.00        | 75.8              | Ladder Peak  | 104.37                     |
| 14   | 7,000     | 150.00        | 32.5              | Ladder Peak  | 109.59                     |
| 15   | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...nd Settings\Bioanalyzer\2015-09-04\2015-09-04\_002\_TRSTR.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : TRSTR (1:3)**

Number of peaks found: 12                      Corr. Area 1: 1,094.6  
 Noise: 0.2

**Peak table for sample 6 : TRSTR (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    | 399       | 1,239.25      | 4,711.3           |              | 77.20                      |
| 3    | 529       | 13.48         | 38.6              |              | 84.34                      |
| 4    | 550       | 10.62         | 29.3              |              | 85.29                      |
| 5    | 656       | 6.72          | 15.5              |              | 89.31                      |
| 6    | 715       | 6.26          | 13.3              |              | 90.87                      |
| 7    | 801       | 8.84          | 16.7              |              | 91.98                      |
| 8    | 1,106     | 5.04          | 6.9               |              | 95.25                      |
| 9    | 1,231     | 5.53          | 6.8               |              | 96.05                      |
| 10   | 1,434     | 4.42          | 4.7               |              | 97.36                      |
| 11   | 1,668     | 5.33          | 4.8               |              | 98.87                      |
| 12   | 2,066     | 3.59          | 2.6               |              | 101.23                     |
| 13   | 5,065     | 2.87          | 0.9               |              | 107.07                     |
| 14   | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

**Region table for sample 6 : TRSTR (1:3)**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 332       | 434               | 1,000   | 1,094.6    | 4,994.4           | 88                | 22.9                        | 1,373.96      |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...nd Settings\Bioanalyzer\2015-09-04\2015-09-04\_002\_TRSTR.xad

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**Gel Image**

