

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-10\2015-02-10\_004.xad

Created: 2/10/2015 2:21:39 PM  
Modified: 2/10/2015 3:02:04 PM

### Electrophoresis File Run Summary

#### Instrument Information:

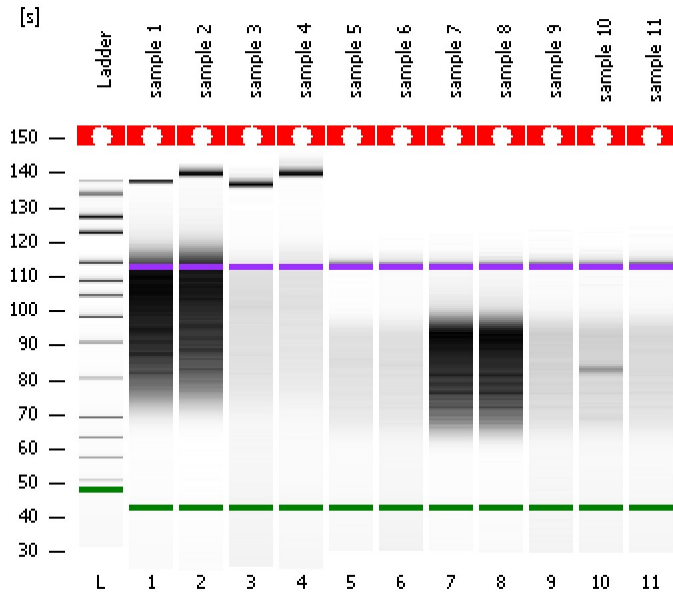
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

#### 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:

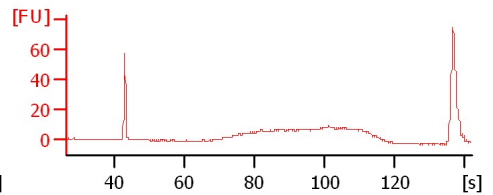
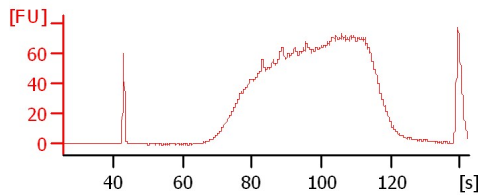
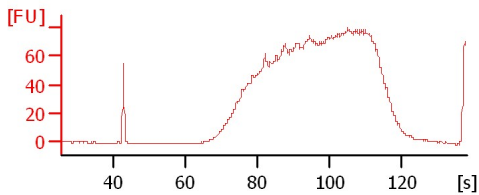
Chip Lot #:      Reagent Kit Lot #:      Chip Comments:



sample 1

sample 2

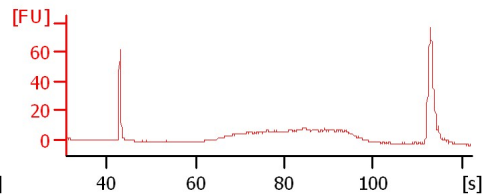
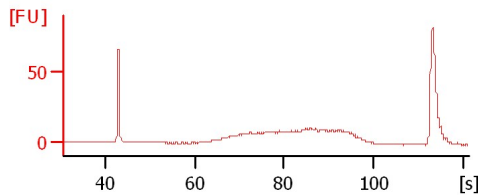
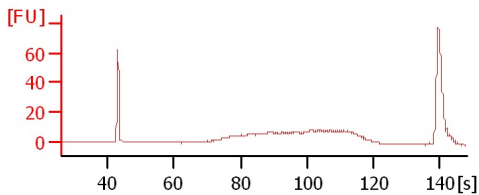
sample 3



sample 4

sample 5

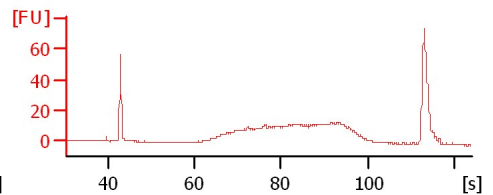
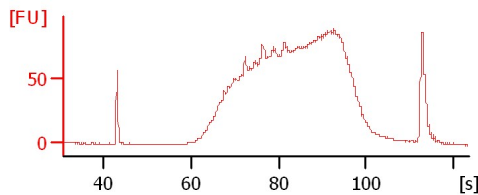
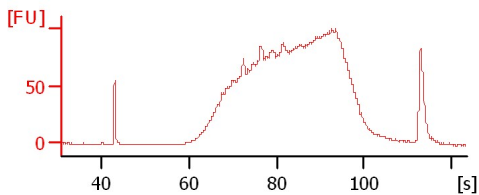
sample 6



sample 7

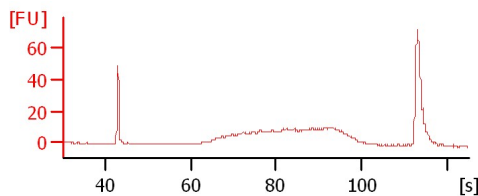
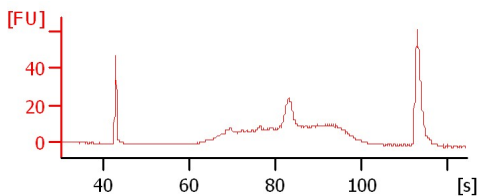
sample 8

sample 9



sample 10

sample 11



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

| Sample Name | Sample Comment | Rest. Digest             | Status | Observation | Result Label | Result Color |
|-------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| sample 1    |                | <input type="checkbox"/> | ✓      |             |              |              |
| sample 2    |                | <input type="checkbox"/> | ✓      |             |              |              |
| sample 3    |                | <input type="checkbox"/> | ✓      |             |              |              |
| sample 4    |                | <input type="checkbox"/> | ✓      |             |              |              |
| sample 5    |                | <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 :**

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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

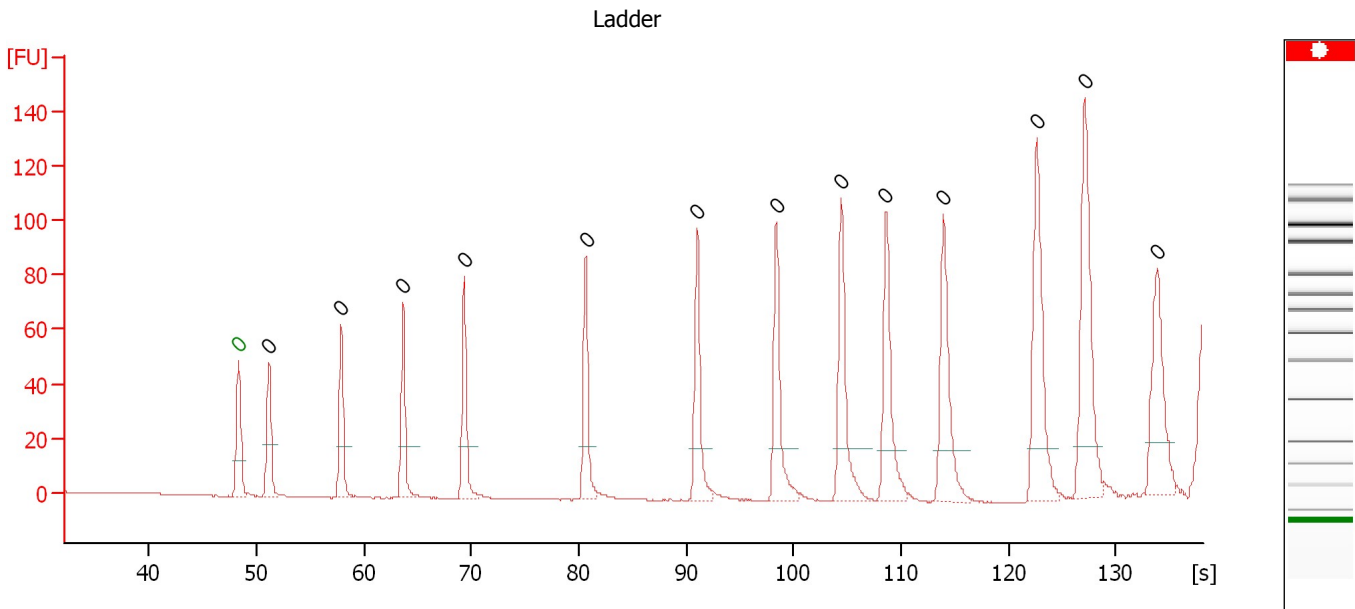
**Ladder**

| 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  |

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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

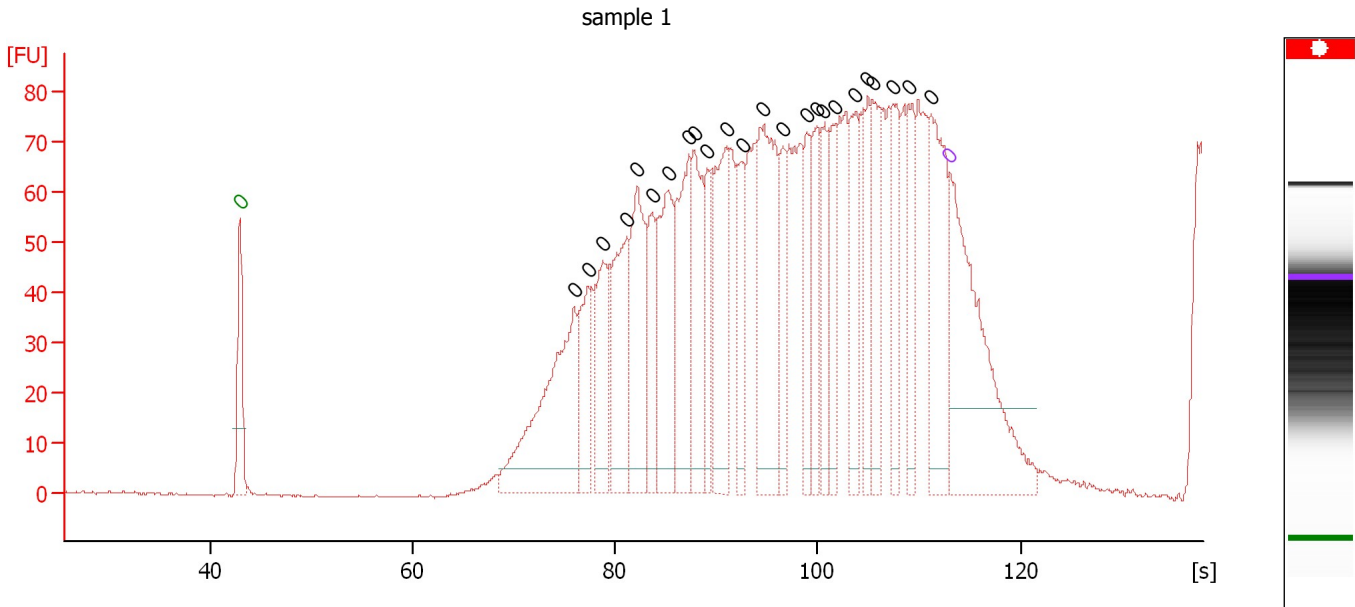
**Peak table for Ladder**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 0         | 0.00          | 0.0               | Lower Marker | 48.35                      |
| 2    | 0         | 0.00          | 0.0               | Ladder Peak  | 51.15                      |
| 3    | 0         | 0.00          | 0.0               | Ladder Peak  | 57.90                      |
| 4    | 0         | 0.00          | 0.0               | Ladder Peak  | 63.65                      |
| 5    | 0         | 0.00          | 0.0               | Ladder Peak  | 69.35                      |
| 6    | 0         | 0.00          | 0.0               | Ladder Peak  | 80.65                      |
| 7    | 0         | 0.00          | 0.0               | Ladder Peak  | 91.05                      |
| 8    | 0         | 0.00          | 0.0               | Ladder Peak  | 98.40                      |
| 9    | 0         | 0.00          | 0.0               | Ladder Peak  | 104.45                     |
| 10   | 0         | 0.00          | 0.0               | Ladder Peak  | 108.60                     |
| 11   | 0         | 0.00          | 0.0               | Ladder Peak  | 113.95                     |
| 12   | 0         | 0.00          | 0.0               | Ladder Peak  | 122.65                     |
| 13   | 0         | 0.00          | 0.0               | Ladder Peak  | 127.10                     |
| 14   | 0         | 0.00          | 0.0               | Ladder Peak  | 133.85                     |

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**Electropherogram Summary Continued ...**



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

Number of peaks found: 24                      Noise: 0.2

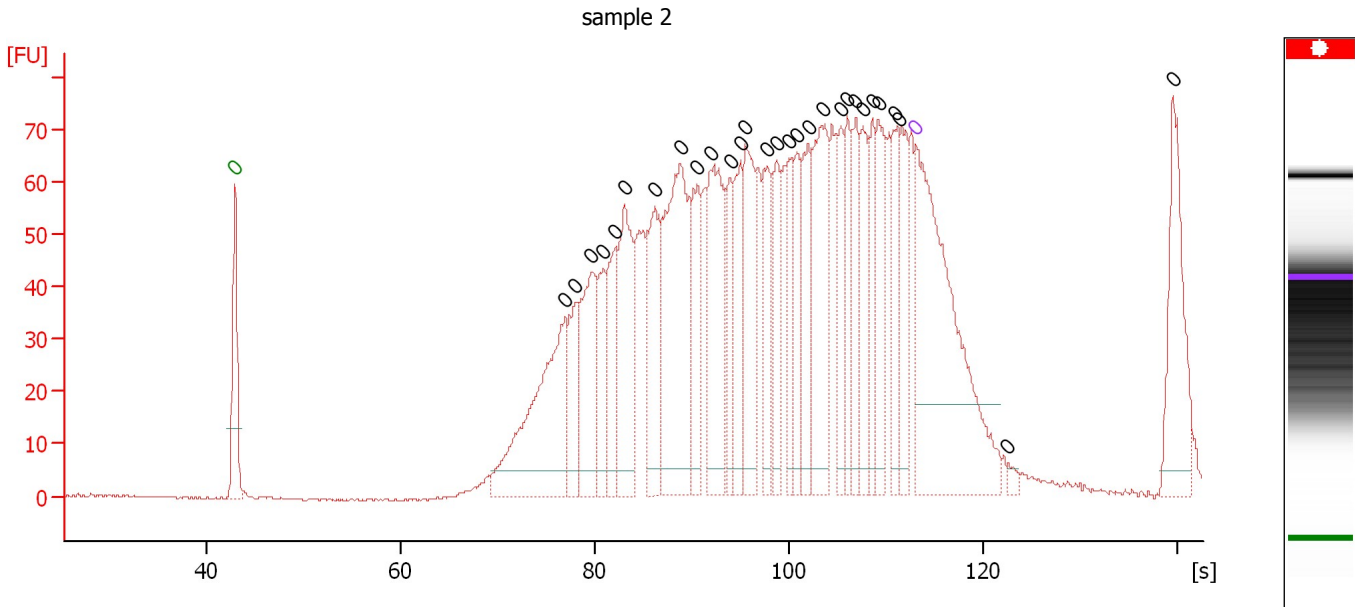
**Peak table for sample 1 : sample 1**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 0         | 0.00          | 0.0               | Lower Marker | 43.00                      |
| 2    | 0         | 0.00          | 0.0               |              | 75.96                      |
| 3    | 0         | 0.00          | 0.0               |              | 77.39                      |
| 4    | 0         | 0.00          | 0.0               |              | 78.77                      |
| 5    | 0         | 0.00          | 0.0               |              | 81.21                      |
| 6    | 0         | 0.00          | 0.0               |              | 82.21                      |
| 7    | 0         | 0.00          | 0.0               |              | 83.64                      |
| 8    | 0         | 0.00          | 0.0               |              | 85.23                      |
| 9    | 0         | 0.00          | 0.0               |              | 87.30                      |
| 10   | 0         | 0.00          | 0.0               |              | 87.83                      |
| 11   | 0         | 0.00          | 0.0               |              | 89.05                      |
| 12   | 0         | 0.00          | 0.0               |              | 91.01                      |
| 13   | 0         | 0.00          | 0.0               |              | 92.55                      |
| 14   | 0         | 0.00          | 0.0               |              | 94.67                      |
| 15   | 0         | 0.00          | 0.0               |              | 96.57                      |
| 16   | 0         | 0.00          | 0.0               |              | 98.90                      |
| 17   | 0         | 0.00          | 0.0               |              | 99.91                      |
| 18   | 0         | 0.00          | 0.0               |              | 100.44                     |
| 19   | 0         | 0.00          | 0.0               |              | 101.77                     |
| 20   | 0         | 0.00          | 0.0               |              | 103.73                     |
| 21   | 0         | 0.00          | 0.0               |              | 104.95                     |
| 22   | 0         | 0.00          | 0.0               |              | 105.37                     |
| 23   | 0         | 0.00          | 0.0               |              | 107.38                     |
| 24   | 0         | 0.00          | 0.0               |              | 108.97                     |
| 25   | 0         | 0.00          | 0.0               |              | 111.20                     |
| 26   | 0         | 0.00          | 0.0               | Upper Marker | 113.00                     |

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**Electropherogram Summary Continued ...**



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

Number of peaks found: 29                      Noise: 0.2

**Peak table for sample 2 : sample 2**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 0         | 0.00          | 0.0               | Lower Marker | 43.00                      |
| 2    | 0         | 0.00          | 0.0               |              | 76.98                      |
| 3    | 0         | 0.00          | 0.0               |              | 78.03                      |
| 4    | 0         | 0.00          | 0.0               |              | 79.69                      |
| 5    | 0         | 0.00          | 0.0               |              | 80.90                      |
| 6    | 0         | 0.00          | 0.0               |              | 82.12                      |
| 7    | 0         | 0.00          | 0.0               |              | 83.00                      |
| 8    | 0         | 0.00          | 0.0               |              | 86.20                      |
| 9    | 0         | 0.00          | 0.0               |              | 88.80                      |
| 10   | 0         | 0.00          | 0.0               |              | 90.51                      |
| 11   | 0         | 0.00          | 0.0               |              | 91.95                      |
| 12   | 0         | 0.00          | 0.0               |              | 93.94                      |
| 13   | 0         | 0.00          | 0.0               |              | 94.99                      |
| 14   | 0         | 0.00          | 0.0               |              | 95.49                      |
| 15   | 0         | 0.00          | 0.0               |              | 97.75                      |
| 16   | 0         | 0.00          | 0.0               |              | 98.69                      |
| 17   | 0         | 0.00          | 0.0               |              | 100.02                     |
| 18   | 0         | 0.00          | 0.0               |              | 100.79                     |
| 19   | 0         | 0.00          | 0.0               |              | 101.95                     |
| 20   | 0         | 0.00          | 0.0               |              | 103.39                     |
| 21   | 0         | 0.00          | 0.0               |              | 105.38                     |
| 22   | 0         | 0.00          | 0.0               |              | 105.98                     |
| 23   | 0         | 0.00          | 0.0               |              | 106.87                     |
| 24   | 0         | 0.00          | 0.0               |              | 107.64                     |
| 25   | 0         | 0.00          | 0.0               |              | 108.52                     |
| 26   | 0         | 0.00          | 0.0               |              | 109.19                     |
| 27   | 0         | 0.00          | 0.0               |              | 110.85                     |

Assay Class: High Sensitivity DNA Assay  
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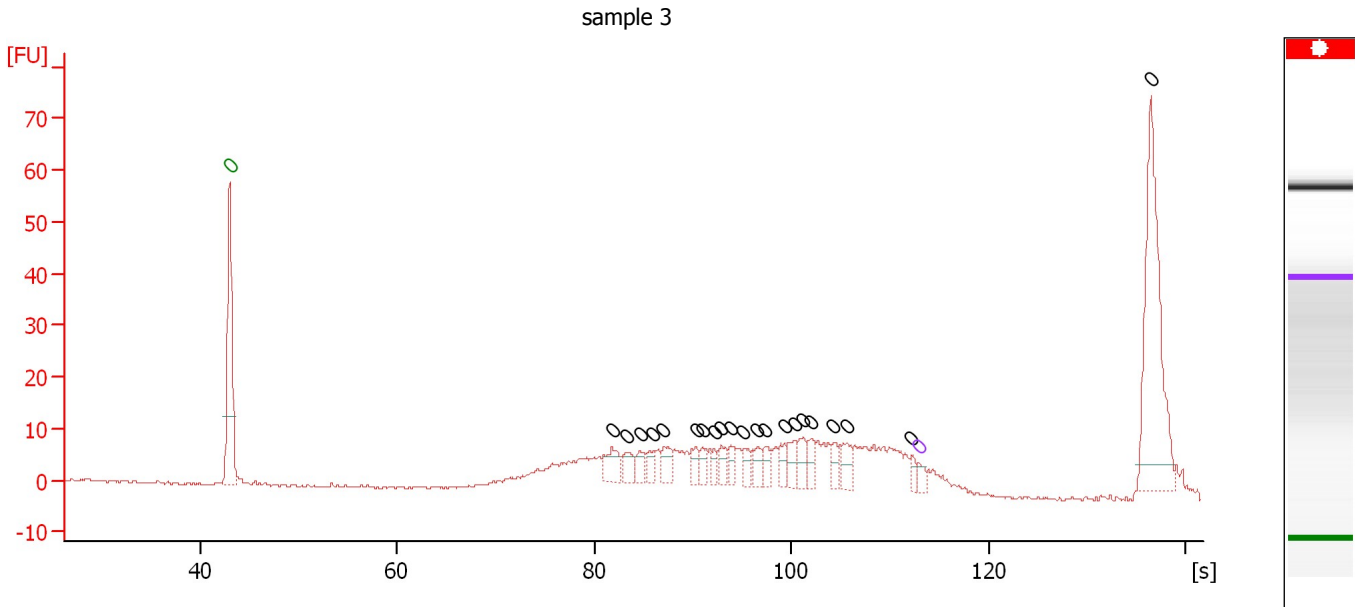
**Electropherogram Summary Continued ...****... Peak table for sample 2 : sample 2**

| Peak | Size [bp] | Conc. [pg/ $\mu$ l] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------------|-------------------|--------------|----------------------------|
| 28   | 0         | 0.00                | 0.0               |              | 111.40                     |
| 29   | 0         | 0.00                | 0.0               | Upper Marker | 113.00                     |
| 30   | 0         | 0.00                | 0.0               |              | 122.50                     |
| 31   | 0         | 0.00                | 0.0               |              | 139.46                     |

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 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-10\2015-02-10\_004.xad

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**Electropherogram Summary Continued ...**



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

Number of peaks found: 21                      Noise: 0.3

**Peak table for sample 3 : sample 3**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 0         | 0.00          | 0.0               | Lower Marker | 43.00                      |
| 2    | 0         | 0.00          | 0.0               |              | 81.82                      |
| 3    | 0         | 0.00          | 0.0               |              | 83.29                      |
| 4    | 0         | 0.00          | 0.0               |              | 84.71                      |
| 5    | 0         | 0.00          | 0.0               |              | 85.96                      |
| 6    | 0         | 0.00          | 0.0               |              | 87.05                      |
| 7    | 0         | 0.00          | 0.0               |              | 90.32                      |
| 8    | 0         | 0.00          | 0.0               |              | 91.03                      |
| 9    | 0         | 0.00          | 0.0               |              | 92.17                      |
| 10   | 0         | 0.00          | 0.0               |              | 92.94                      |
| 11   | 0         | 0.00          | 0.0               |              | 93.92                      |
| 12   | 0         | 0.00          | 0.0               |              | 95.17                      |
| 13   | 0         | 0.00          | 0.0               |              | 96.54                      |
| 14   | 0         | 0.00          | 0.0               |              | 97.41                      |
| 15   | 0         | 0.00          | 0.0               |              | 99.32                      |
| 16   | 0         | 0.00          | 0.0               |              | 100.30                     |
| 17   | 0         | 0.00          | 0.0               |              | 101.17                     |
| 18   | 0         | 0.00          | 0.0               |              | 102.04                     |
| 19   | 0         | 0.00          | 0.0               |              | 104.28                     |
| 20   | 0         | 0.00          | 0.0               |              | 105.64                     |
| 21   | 0         | 0.00          | 0.0               |              | 112.24                     |
| 22   | 0         | 0.00          | 0.0               | Upper Marker | 113.00                     |
| 23   | 0         | 0.00          | 0.0               |              | 136.50                     |

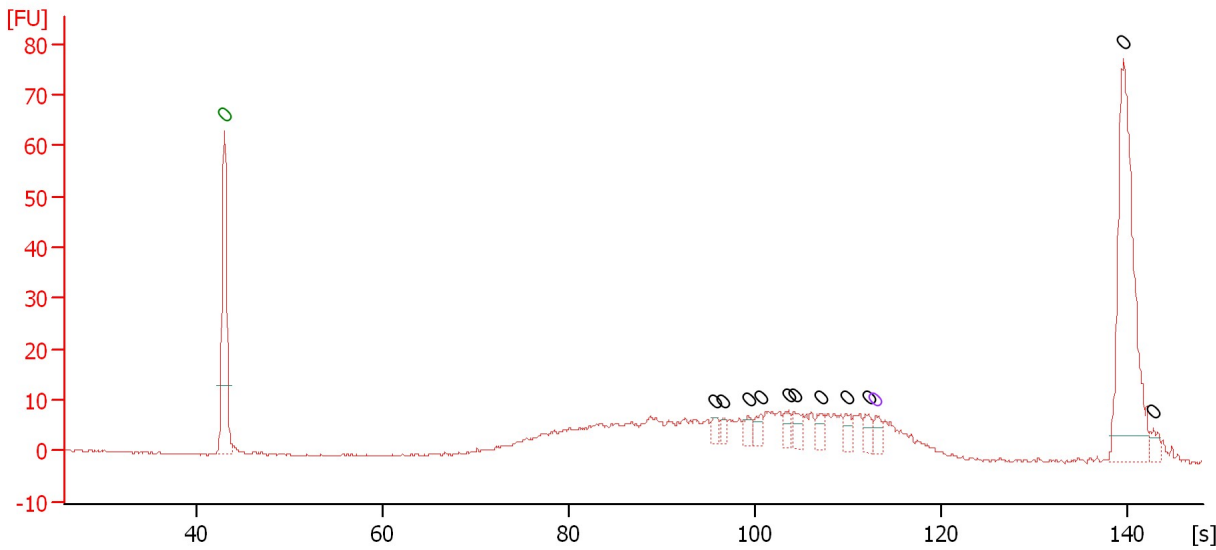


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**Electropherogram Summary Continued ...**

sample 4



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

Number of peaks found: 11                      Noise: 0.2

**Peak table for sample 4 : sample 4**

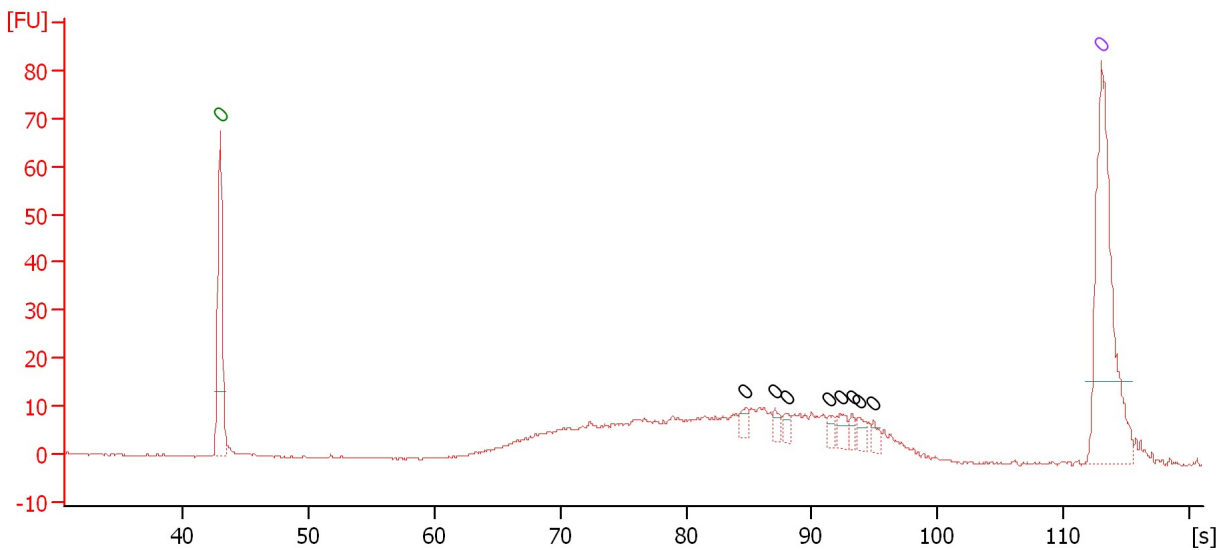
| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 0         | 0.00          | 0.0               | Lower Marker | 43.00                      |
| 2    | 0         | 0.00          | 0.0               |              | 95.80                      |
| 3    | 0         | 0.00          | 0.0               |              | 96.55                      |
| 4    | 0         | 0.00          | 0.0               |              | 99.27                      |
| 5    | 0         | 0.00          | 0.0               |              | 100.65                     |
| 6    | 0         | 0.00          | 0.0               |              | 103.59                     |
| 7    | 0         | 0.00          | 0.0               |              | 104.23                     |
| 8    | 0         | 0.00          | 0.0               |              | 107.06                     |
| 9    | 0         | 0.00          | 0.0               |              | 109.83                     |
| 10   | 0         | 0.00          | 0.0               |              | 112.25                     |
| 11   | 0         | 0.00          | 0.0               | Upper Marker | 113.00                     |
| 12   | 0         | 0.00          | 0.0               |              | 139.60                     |
| 13   | 0         | 0.00          | 0.0               |              | 142.84                     |

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**Electropherogram Summary Continued ...**

sample 5



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

Number of peaks found: 8                      Noise: 0.2

**Peak table for sample 5 : sample 5**

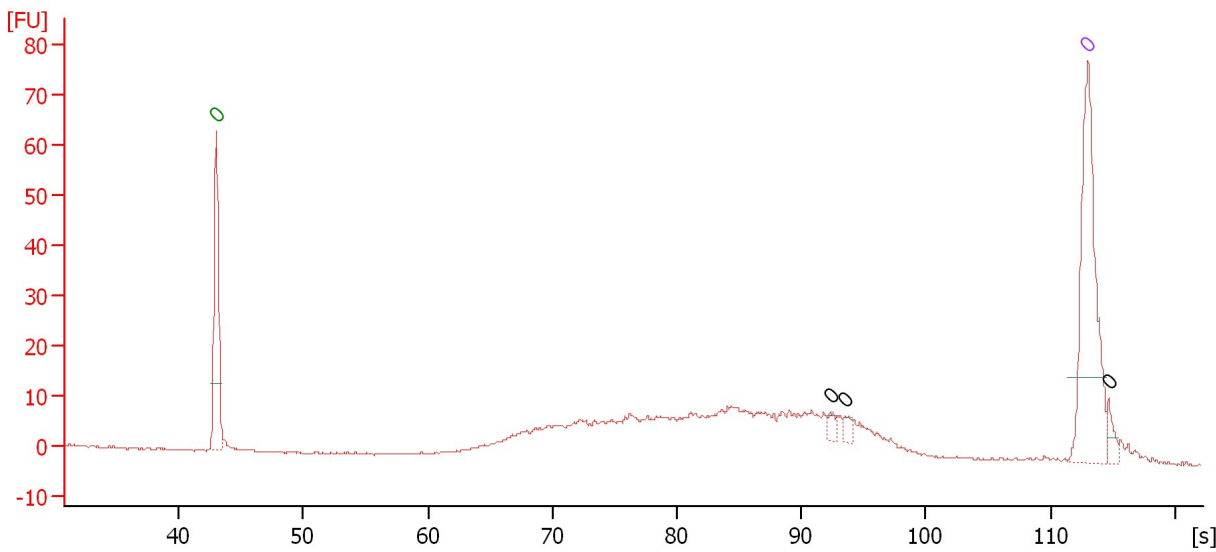
| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 0         | 0.00          | 0.0               | Lower Marker | 43.00                      |
| 2    | 0         | 0.00          | 0.0               |              | 84.76                      |
| 3    | 0         | 0.00          | 0.0               |              | 87.11                      |
| 4    | 0         | 0.00          | 0.0               |              | 88.05                      |
| 5    | 0         | 0.00          | 0.0               |              | 91.42                      |
| 6    | 0         | 0.00          | 0.0               |              | 92.27                      |
| 7    | 0         | 0.00          | 0.0               |              | 93.21                      |
| 8    | 0         | 0.00          | 0.0               |              | 93.72                      |
| 9    | 0         | 0.00          | 0.0               |              | 94.91                      |
| 10   | 0         | 0.00          | 0.0               | Upper Marker | 113.00                     |

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**Electropherogram Summary Continued ...**

sample 6



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

Number of peaks found: 3                      Noise: 0.2

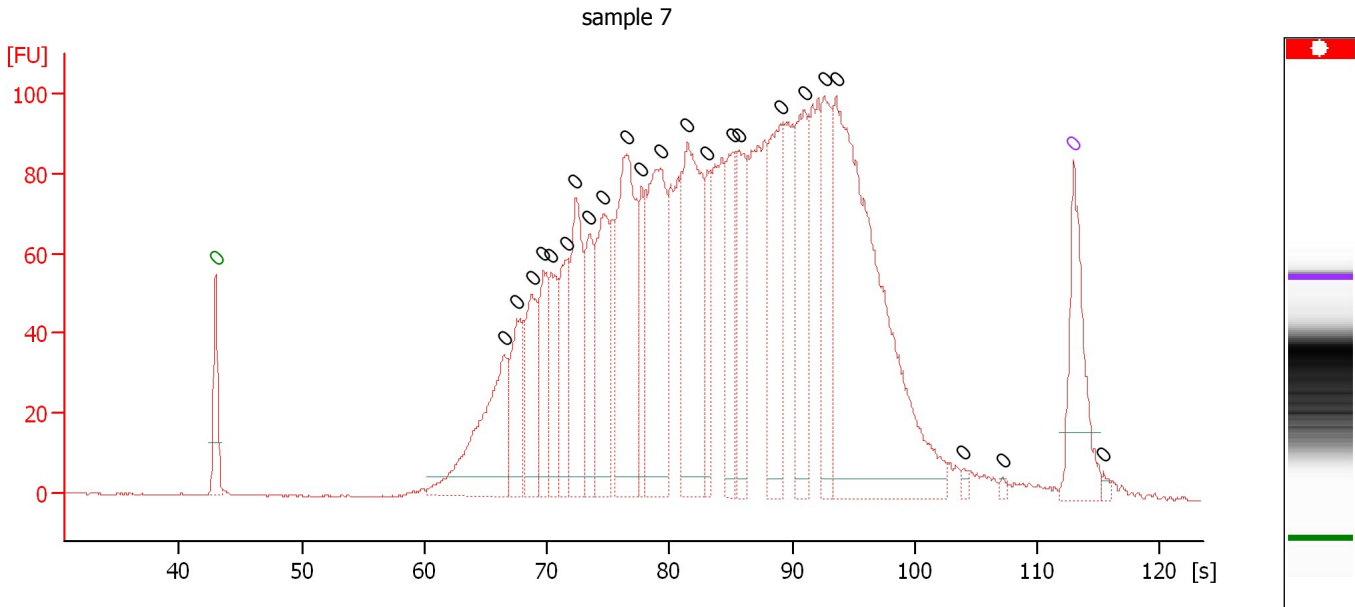
**Peak table for sample 6 : sample 6**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 0         | 0.00          | 0.0               | Lower Marker | 43.00                      |
| 2    | 0         | 0.00          | 0.0               |              | 92.30                      |
| 3    | 0         | 0.00          | 0.0               |              | 93.51                      |
| 4    | 0         | 0.00          | 0.0               | Upper Marker | 113.00                     |
| 5    | 0         | 0.00          | 0.0               |              | 114.64                     |

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**Electropherogram Summary Continued ...**



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

Number of peaks found: 23                      Noise: 0.2

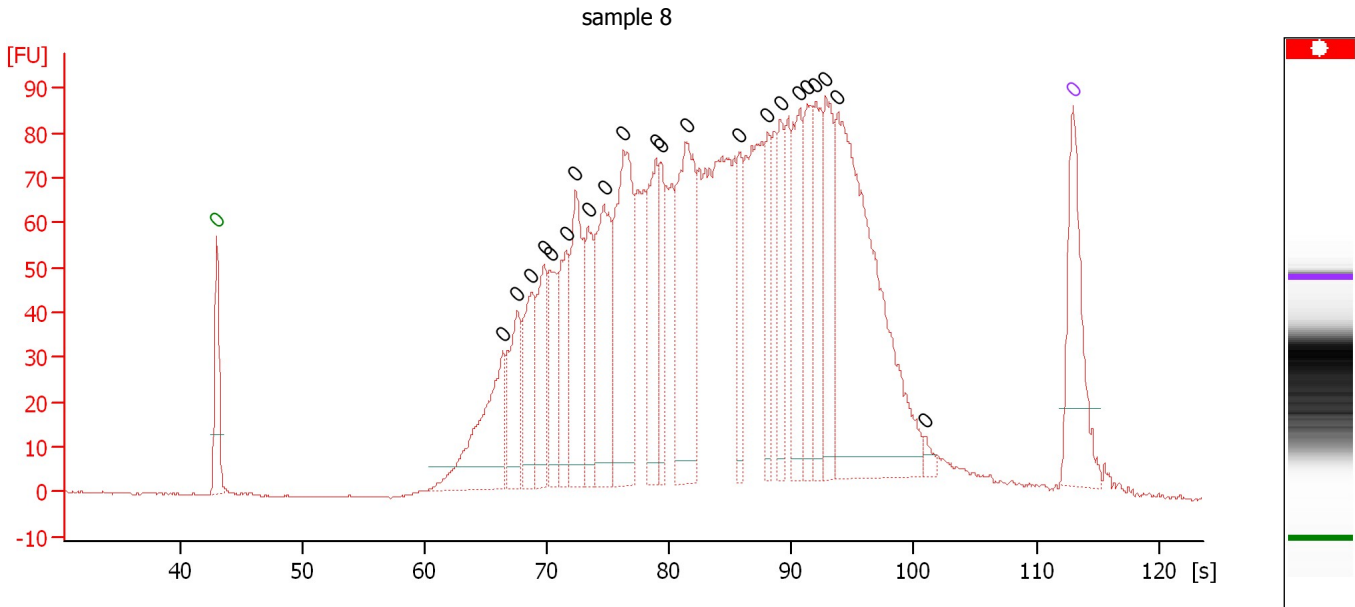
**Peak table for sample 7 : sample 7**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 0         | 0.00          | 0.0               | Lower Marker | 43.00                      |
| 2    | 0         | 0.00          | 0.0               |              | 66.52                      |
| 3    | 0         | 0.00          | 0.0               |              | 67.57                      |
| 4    | 0         | 0.00          | 0.0               |              | 68.80                      |
| 5    | 0         | 0.00          | 0.0               |              | 69.72                      |
| 6    | 0         | 0.00          | 0.0               |              | 70.38                      |
| 7    | 0         | 0.00          | 0.0               |              | 71.69                      |
| 8    | 0         | 0.00          | 0.0               |              | 72.35                      |
| 9    | 0         | 0.00          | 0.0               |              | 73.49                      |
| 10   | 0         | 0.00          | 0.0               |              | 74.63                      |
| 11   | 0         | 0.00          | 0.0               |              | 76.51                      |
| 12   | 0         | 0.00          | 0.0               |              | 77.74                      |
| 13   | 0         | 0.00          | 0.0               |              | 79.23                      |
| 14   | 0         | 0.00          | 0.0               |              | 81.50                      |
| 15   | 0         | 0.00          | 0.0               |              | 83.13                      |
| 16   | 0         | 0.00          | 0.0               |              | 85.18                      |
| 17   | 0         | 0.00          | 0.0               |              | 85.62                      |
| 18   | 0         | 0.00          | 0.0               |              | 89.04                      |
| 19   | 0         | 0.00          | 0.0               |              | 91.01                      |
| 20   | 0         | 0.00          | 0.0               |              | 92.67                      |
| 21   | 0         | 0.00          | 0.0               |              | 93.59                      |
| 22   | 0         | 0.00          | 0.0               |              | 103.98                     |
| 23   | 0         | 0.00          | 0.0               |              | 107.17                     |
| 24   | 0         | 0.00          | 0.0               | Upper Marker | 113.00                     |
| 25   | 0         | 0.00          | 0.0               |              | 115.41                     |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-10\2015-02-10\_004.xad

Created: 2/10/2015 2:21:39 PM  
 Modified: 2/10/2015 3:02:04 PM

**Electropherogram Summary Continued ...**



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

Number of peaks found: 22                      Noise: 0.2

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

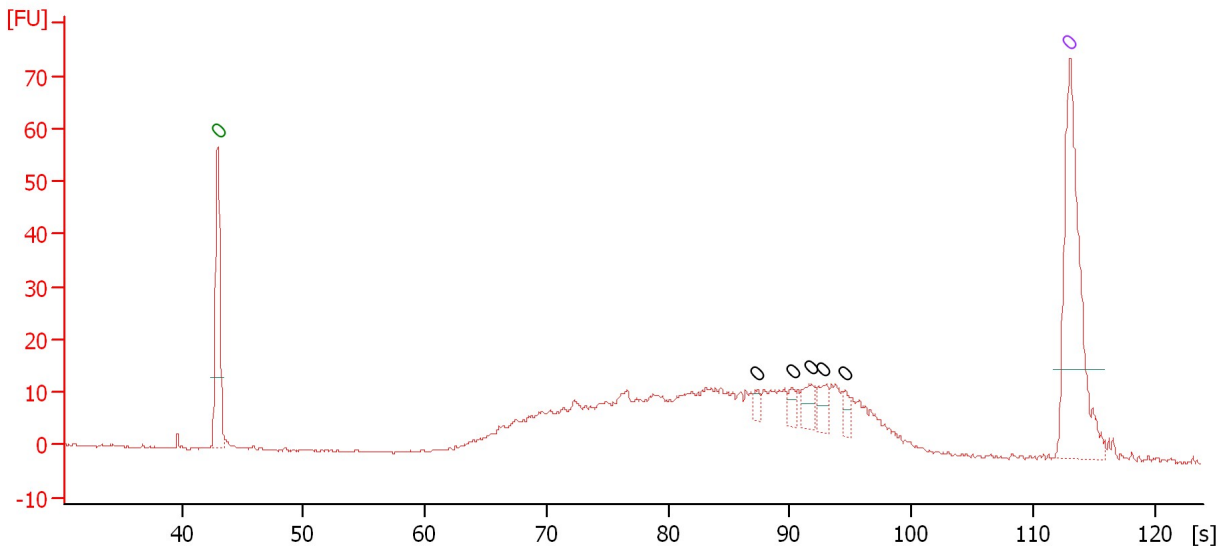
| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 0         | 0.00          | 0.0               | Lower Marker | 43.00                      |
| 2    | 0         | 0.00          | 0.0               |              | 66.41                      |
| 3    | 0         | 0.00          | 0.0               |              | 67.59                      |
| 4    | 0         | 0.00          | 0.0               |              | 68.73                      |
| 5    | 0         | 0.00          | 0.0               |              | 69.74                      |
| 6    | 0         | 0.00          | 0.0               |              | 70.31                      |
| 7    | 0         | 0.00          | 0.0               |              | 71.54                      |
| 8    | 0         | 0.00          | 0.0               |              | 72.34                      |
| 9    | 0         | 0.00          | 0.0               |              | 73.35                      |
| 10   | 0         | 0.00          | 0.0               |              | 74.66                      |
| 11   | 0         | 0.00          | 0.0               |              | 76.24                      |
| 12   | 0         | 0.00          | 0.0               |              | 78.92                      |
| 13   | 0         | 0.00          | 0.0               |              | 79.32                      |
| 14   | 0         | 0.00          | 0.0               |              | 81.43                      |
| 15   | 0         | 0.00          | 0.0               |              | 85.69                      |
| 16   | 0         | 0.00          | 0.0               |              | 88.06                      |
| 17   | 0         | 0.00          | 0.0               |              | 89.07                      |
| 18   | 0         | 0.00          | 0.0               |              | 90.65                      |
| 19   | 0         | 0.00          | 0.0               |              | 91.31                      |
| 20   | 0         | 0.00          | 0.0               |              | 91.96                      |
| 21   | 0         | 0.00          | 0.0               |              | 92.76                      |
| 22   | 0         | 0.00          | 0.0               |              | 93.77                      |
| 23   | 0         | 0.00          | 0.0               |              | 100.84                     |
| 24   | 0         | 0.00          | 0.0               | Upper Marker | 113.00                     |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-10\2015-02-10\_004.xad

Created: 2/10/2015 2:21:39 PM  
 Modified: 2/10/2015 3:02:04 PM

**Electropherogram Summary Continued ...**

sample 9



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

Number of peaks found: 5                      Noise: 0.2

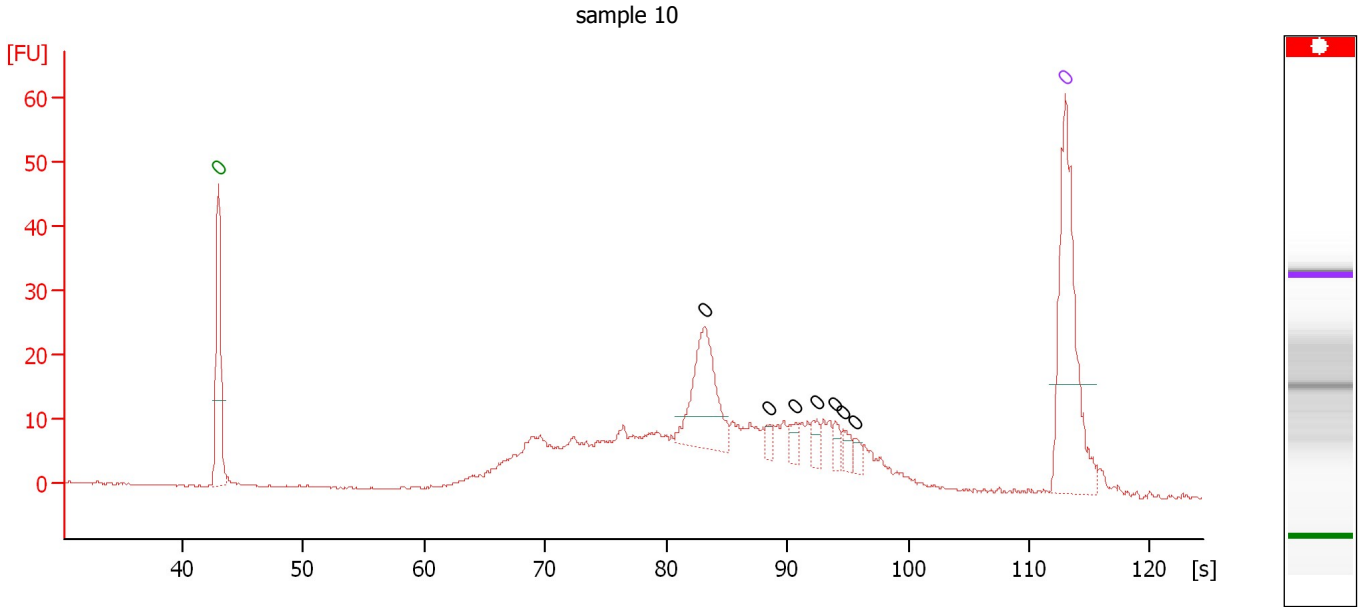
**Peak table for sample 9 : sample 9**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 0         | 0.00          | 0.0               | Lower Marker | 43.00                      |
| 2    | 0         | 0.00          | 0.0               |              | 87.27                      |
| 3    | 0         | 0.00          | 0.0               |              | 90.18                      |
| 4    | 0         | 0.00          | 0.0               |              | 91.73                      |
| 5    | 0         | 0.00          | 0.0               |              | 92.74                      |
| 6    | 0         | 0.00          | 0.0               |              | 94.51                      |
| 7    | 0         | 0.00          | 0.0               | Upper Marker | 113.00                     |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-10\2015-02-10\_004.xad

Created: 2/10/2015 2:21:39 PM  
 Modified: 2/10/2015 3:02:04 PM

**Electropherogram Summary Continued ...**



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

Number of peaks found: 7                      Noise: 0.1

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

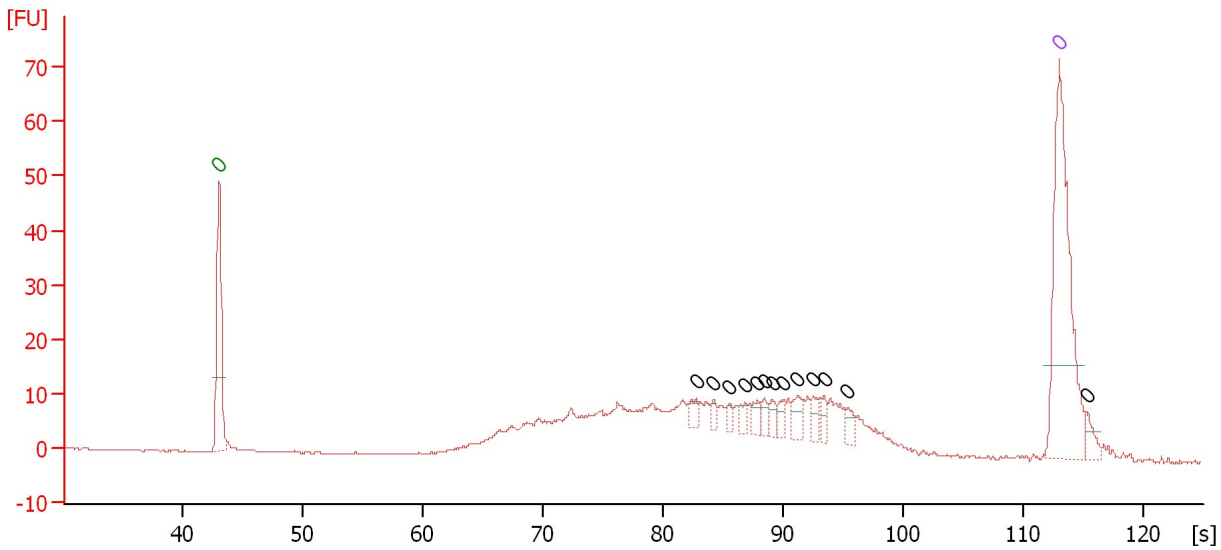
| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 0         | 0.00          | 0.0               | Lower Marker | 43.00                      |
| 2    | 0         | 0.00          | 0.0               |              | 83.17                      |
| 3    | 0         | 0.00          | 0.0               |              | 88.54                      |
| 4    | 0         | 0.00          | 0.0               |              | 90.72                      |
| 5    | 0         | 0.00          | 0.0               |              | 92.49                      |
| 6    | 0         | 0.00          | 0.0               |              | 94.00                      |
| 7    | 0         | 0.00          | 0.0               |              | 94.62                      |
| 8    | 0         | 0.00          | 0.0               |              | 95.60                      |
| 9    | 0         | 0.00          | 0.0               | Upper Marker | 113.00                     |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-10\2015-02-10\_004.xad

Created: 2/10/2015 2:21:39 PM  
 Modified: 2/10/2015 3:02:04 PM

**Electropherogram Summary Continued ...**

sample 11



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

Number of peaks found: 13                      Noise: 0.1

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

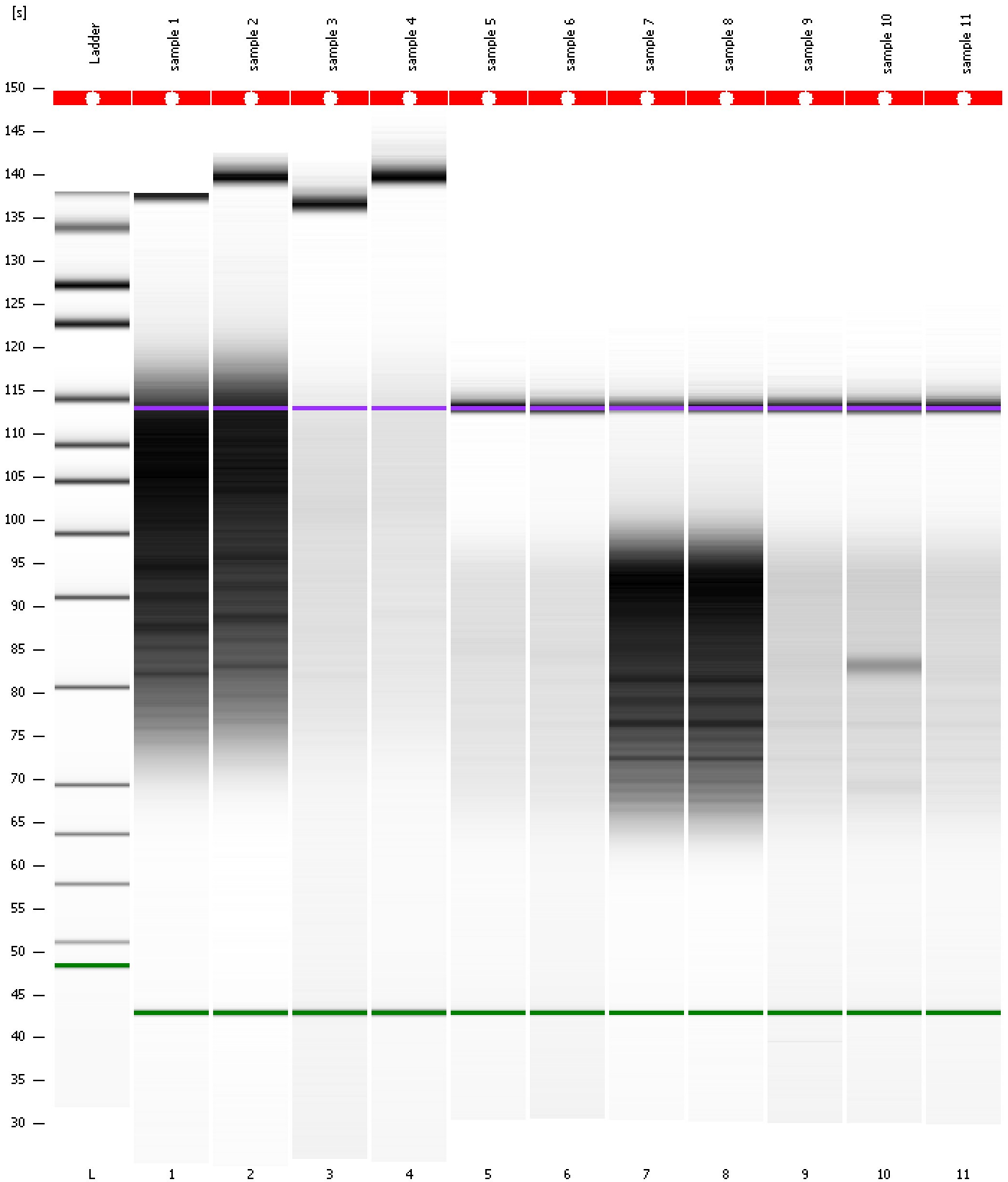
| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1    | 0         | 0.00          | 0.0               | Lower Marker | 43.00                      |
| 2    | 0         | 0.00          | 0.0               |              | 82.76                      |
| 3    | 0         | 0.00          | 0.0               |              | 84.19                      |
| 4    | 0         | 0.00          | 0.0               |              | 85.54                      |
| 5    | 0         | 0.00          | 0.0               |              | 86.79                      |
| 6    | 0         | 0.00          | 0.0               |              | 87.82                      |
| 7    | 0         | 0.00          | 0.0               |              | 88.40                      |
| 8    | 0         | 0.00          | 0.0               |              | 89.07                      |
| 9    | 0         | 0.00          | 0.0               |              | 90.01                      |
| 10   | 0         | 0.00          | 0.0               |              | 91.22                      |
| 11   | 0         | 0.00          | 0.0               |              | 92.51                      |
| 12   | 0         | 0.00          | 0.0               |              | 93.41                      |
| 13   | 0         | 0.00          | 0.0               |              | 95.38                      |
| 14   | 0         | 0.00          | 0.0               | Upper Marker | 113.00                     |
| 15   | 0         | 0.00          | 0.0               |              | 115.24                     |



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-10\2015-02-10\_004.xad

Created: 2/10/2015 2:21:39 PM  
Modified: 2/10/2015 3:02:04 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-10\2015-02-10\_004.xad

Created: 2/10/2015 2:21:39 PM  
 Modified: 2/10/2015 3:02:04 PM

**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      |              | 2/10/2015 3:02:01 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-02-10\2015-02-10_004.xad) |        | Instrument | Run      |              | 2/10/2015 2:21:40 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B   |        | Instrument | Run      |              | 2/10/2015 2:21:40 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name :  |        | Instrument | Run      |              | 2/10/2015 2:21:40 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies   |        | Instrument | Run      |              | 2/10/2015 2:21:40 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086  |        | Instrument | Run      |              | 2/10/2015 2:21:40 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069   |        | Instrument | Run      |              | 2/10/2015 2:21:40 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode   |        | Instrument | Run      |              | 2/10/2015 2:21:40 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |