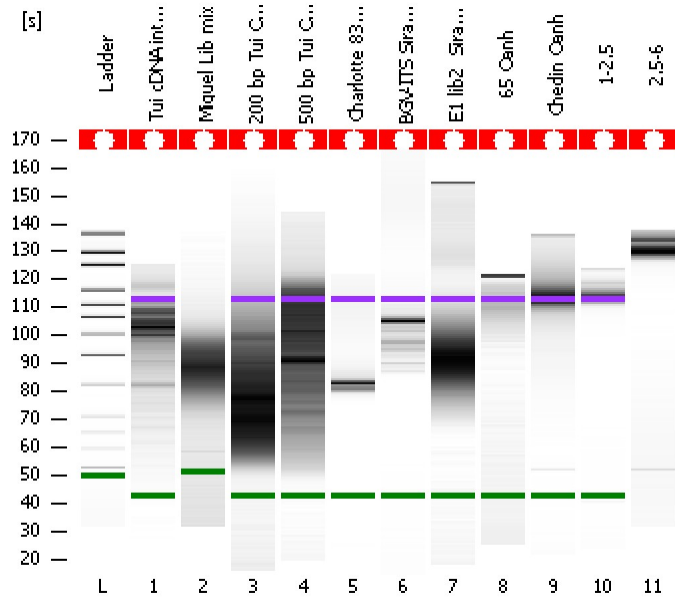


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25\_001.xad

Created: 6/25/2014 11:46:16 AM  
Modified: 6/25/2014 12:27:36 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

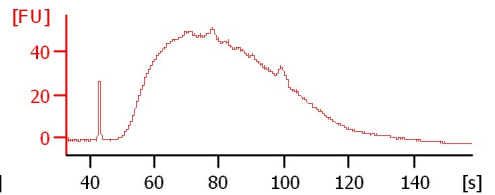
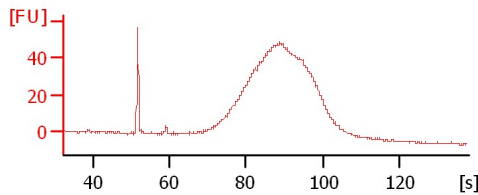
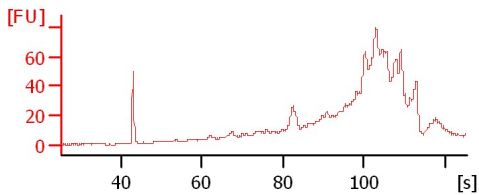
Chip Information:

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

Tui cDNA intact

Miguel Lib mix

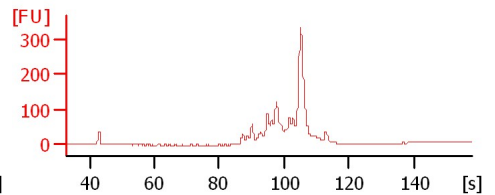
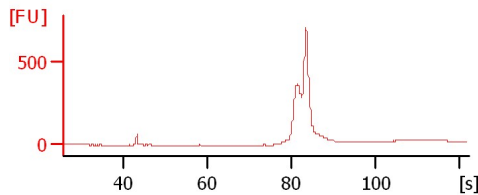
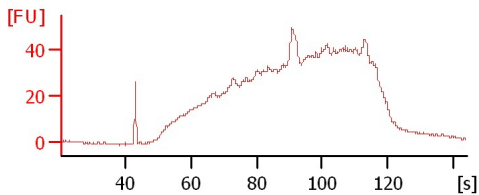
200 bp Tui Covaris



500 bp Tui Covaris

Charlotte 83A Siranoosh

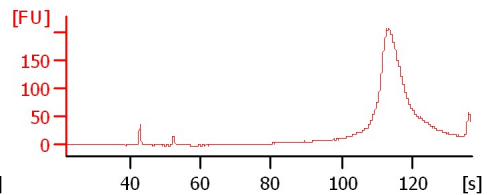
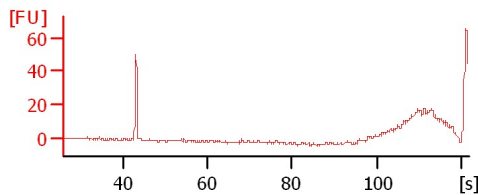
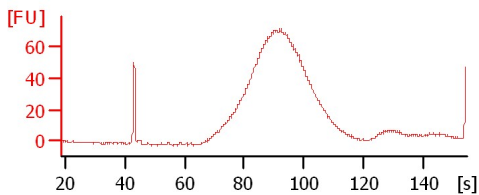
BGV-ITS Siranoosh



E1 lib2 Siranoosh

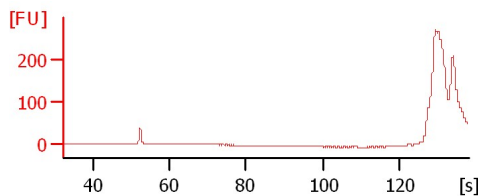
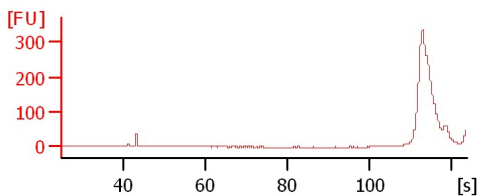
65 Oanh

Chedin Oanh



1-2.5

2.5-6



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25\_001.xad

Created: 6/25/2014 11:46:16 AM  
 Modified: 6/25/2014 12:27:36 PM

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

| Sample Name             | Sample Comment | Rest. Digest             | Status | Observation | Result Label | Result Color |
|-------------------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| Tui cDNA intact         |                | <input type="checkbox"/> | ✓      |             |              |              |
| Miguel Lib mix          |                | <input type="checkbox"/> | ✓      |             |              |              |
| 200 bp Tui Covaris      |                | <input type="checkbox"/> | ✓      |             |              |              |
| 500 bp Tui Covaris      |                | <input type="checkbox"/> | ✓      |             |              |              |
| Charlotte 83A Siranoosh |                | <input type="checkbox"/> | ✓      |             |              |              |
| BGV-ITS Siranoosh       |                | <input type="checkbox"/> | ✓      |             |              |              |
| E1 lib2 Siranoosh       |                | <input type="checkbox"/> | ✓      |             |              |              |
| 65 Oanh                 |                | <input type="checkbox"/> | ✓      |             |              |              |
| Chedin Oanh             |                | <input type="checkbox"/> | ✓      |             |              |              |
| 1-2.5                   |                | <input type="checkbox"/> | ✓      |             |              |              |
| 2.5-6                   |                | <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\2014-06-25\2014-06-25\_001.xad

Created: 6/25/2014 11:46:16 AM  
 Modified: 6/25/2014 12:27:36 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**

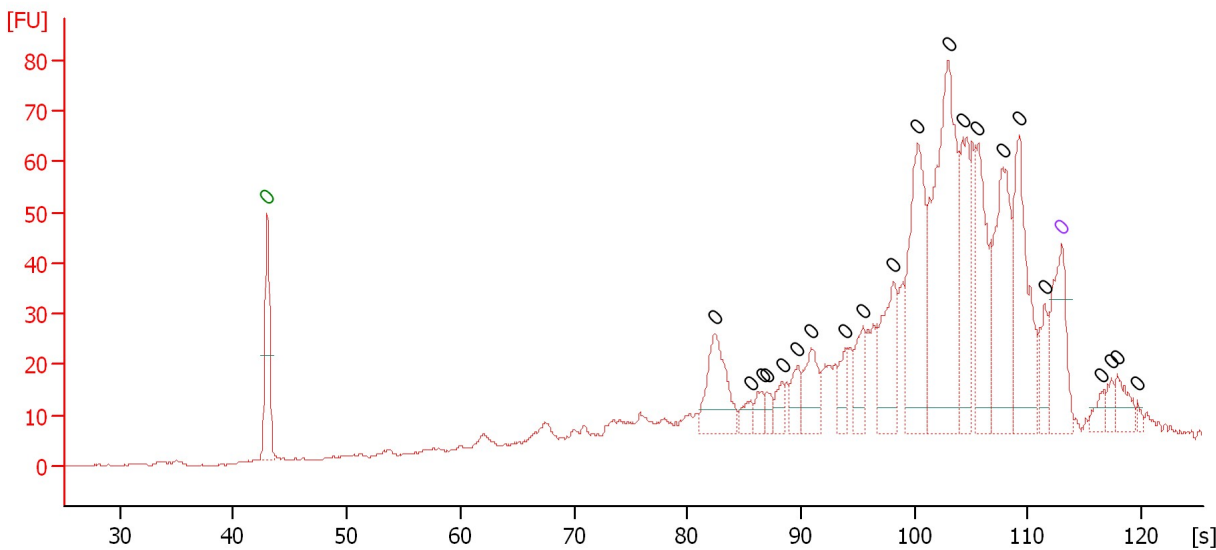
| Ladder Peak | Size  | Area |
|-------------|-------|------|
| 1           | 35    | 160  |
| 2           | 50    | 210  |
| 3           | 100   | 208  |
| 4           | 150   | 221  |
| 5           | 200   | 242  |
| 6           | 300   | 270  |
| 7           | 400   | 305  |
| 8           | 500   | 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\2014-06-25\2014-06-25\_001.xad

Created: 6/25/2014 11:46:16 AM  
 Modified: 6/25/2014 12:27:36 PM

**Electropherogram Summary**

Tui cDNA intact



**Overall Results for sample 1 : Tui cDNA intact**

Number of peaks found: 21                      Noise: 0.2

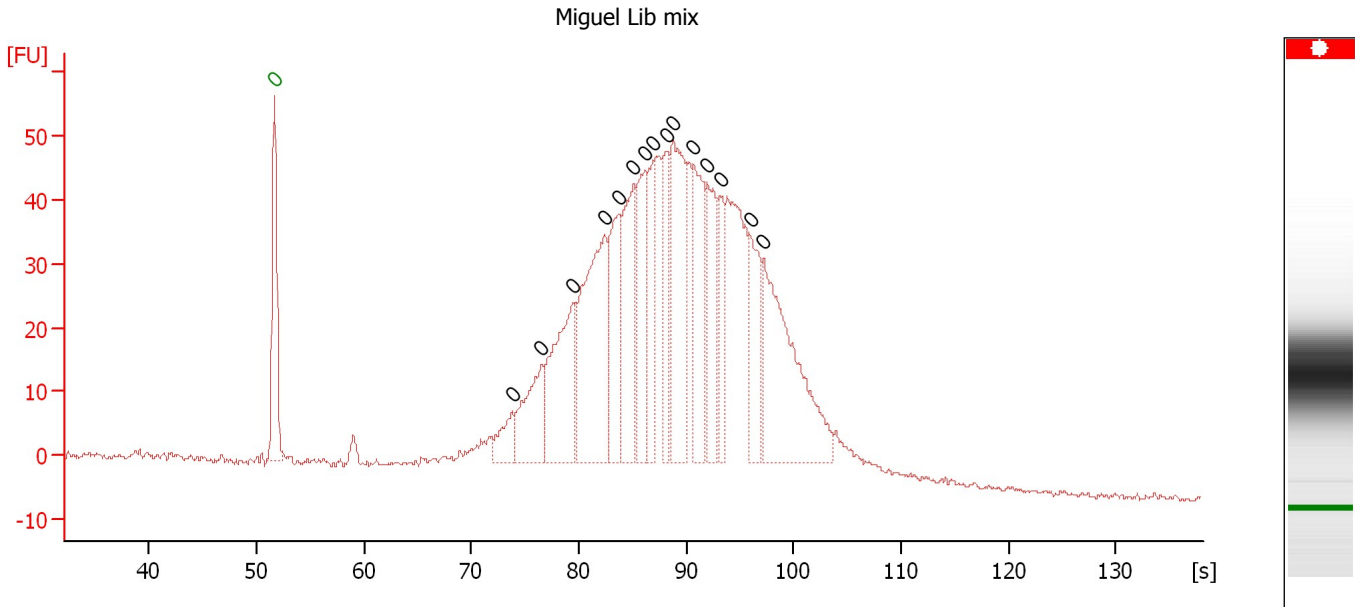
**Peak table for sample 1 : Tui cDNA intact**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 0         | 0.00          | 0.0               | Lower Marker |
| 2    | 0         | 0.00          | 0.0               |              |
| 3    | 0         | 0.00          | 0.0               |              |
| 4    | 0         | 0.00          | 0.0               |              |
| 5    | 0         | 0.00          | 0.0               |              |
| 6    | 0         | 0.00          | 0.0               |              |
| 7    | 0         | 0.00          | 0.0               |              |
| 8    | 0         | 0.00          | 0.0               |              |
| 9    | 0         | 0.00          | 0.0               |              |
| 10   | 0         | 0.00          | 0.0               |              |
| 11   | 0         | 0.00          | 0.0               |              |
| 12   | 0         | 0.00          | 0.0               |              |
| 13   | 0         | 0.00          | 0.0               |              |
| 14   | 0         | 0.00          | 0.0               |              |
| 15   | 0         | 0.00          | 0.0               |              |
| 16   | 0         | 0.00          | 0.0               |              |
| 17   | 0         | 0.00          | 0.0               |              |
| 18   | 0         | 0.00          | 0.0               |              |
| 19   | 0         | 0.00          | 0.0               | Upper Marker |
| 20   | 0         | 0.00          | 0.0               |              |
| 21   | 0         | 0.00          | 0.0               |              |
| 22   | 0         | 0.00          | 0.0               |              |
| 23   | 0         | 0.00          | 0.0               |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25\_001.xad

Created: 6/25/2014 11:46:16 AM  
 Modified: 6/25/2014 12:27:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : Miguel Lib mix**

Number of peaks found: 15      Noise: 0.5

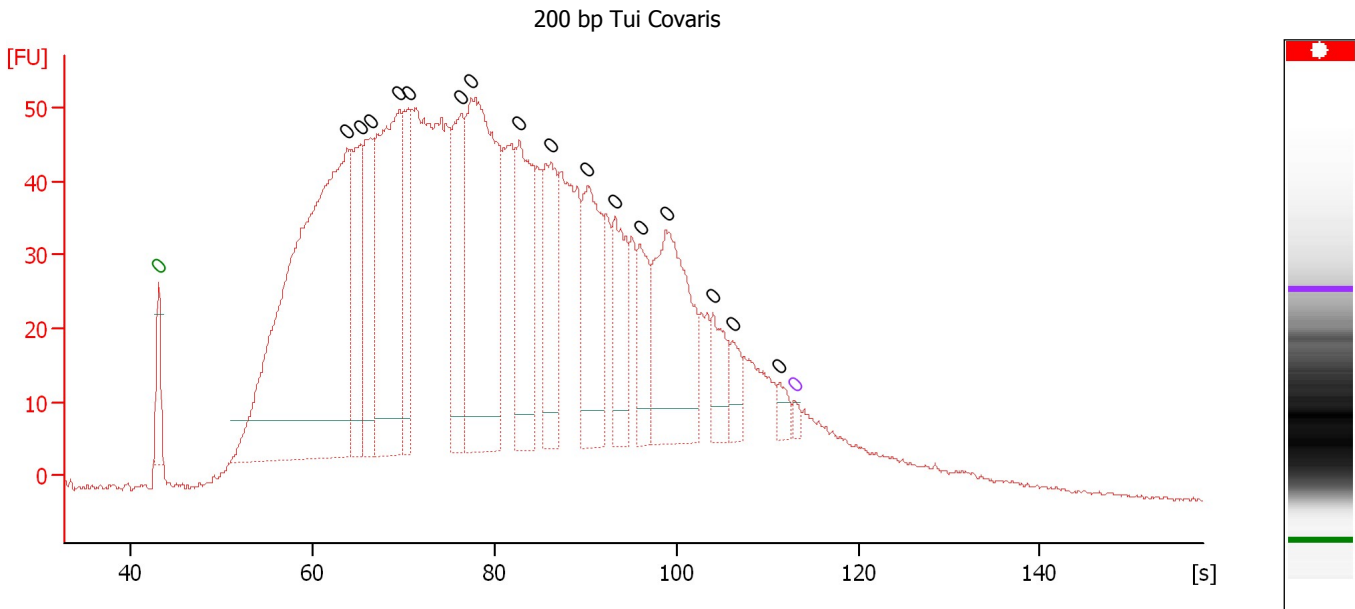
**Peak table for sample 2 : Miguel Lib mix**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 0         | 0.00          | 0.0               | Lower Marker |
| 2    | 0         | 0.00          | 0.0               |              |
| 3    | 0         | 0.00          | 0.0               |              |
| 4    | 0         | 0.00          | 0.0               |              |
| 5    | 0         | 0.00          | 0.0               |              |
| 6    | 0         | 0.00          | 0.0               |              |
| 7    | 0         | 0.00          | 0.0               |              |
| 8    | 0         | 0.00          | 0.0               |              |
| 9    | 0         | 0.00          | 0.0               |              |
| 10   | 0         | 0.00          | 0.0               |              |
| 11   | 0         | 0.00          | 0.0               |              |
| 12   | 0         | 0.00          | 0.0               |              |
| 13   | 0         | 0.00          | 0.0               |              |
| 14   | 0         | 0.00          | 0.0               |              |
| 15   | 0         | 0.00          | 0.0               |              |
| 16   | 0         | 0.00          | 0.0               |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25\_001.xad

Created: 6/25/2014 11:46:16 AM  
 Modified: 6/25/2014 12:27:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 200 bp Tui Covaris**

Number of peaks found: 16                      Noise: 0.3

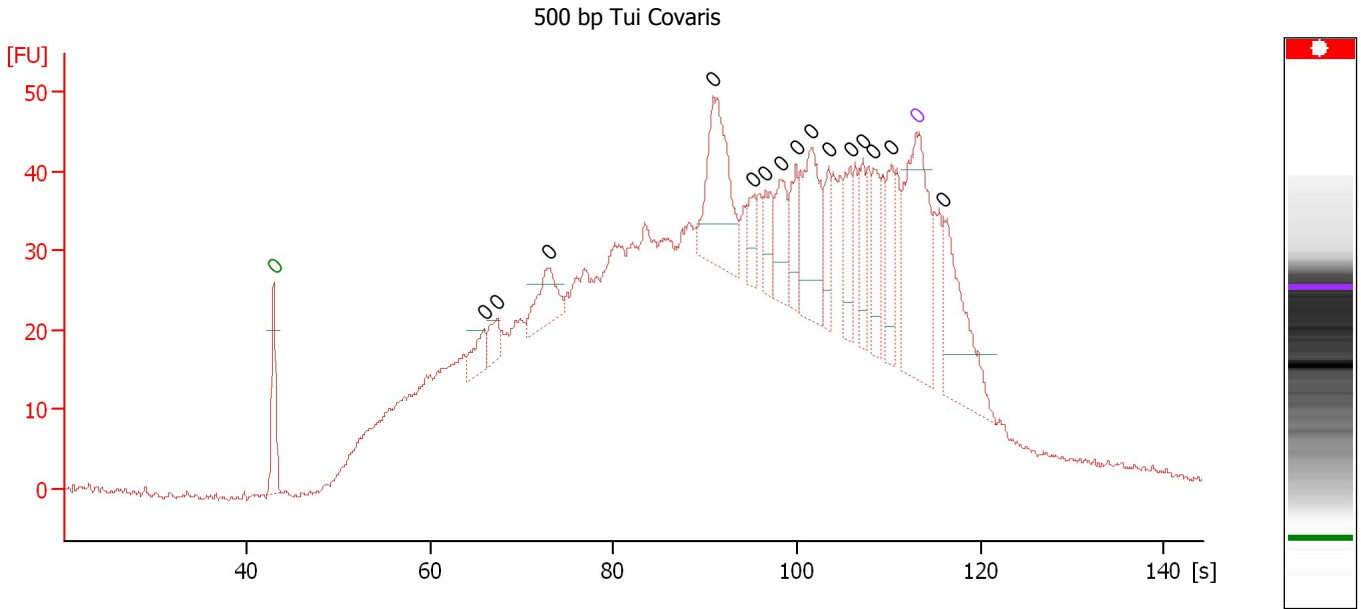
**Peak table for sample 3 : 200 bp Tui Covaris**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 0         | 0.00          | 0.0               | Lower Marker |
| 2    | 0         | 0.00          | 0.0               |              |
| 3    | 0         | 0.00          | 0.0               |              |
| 4    | 0         | 0.00          | 0.0               |              |
| 5    | 0         | 0.00          | 0.0               |              |
| 6    | 0         | 0.00          | 0.0               |              |
| 7    | 0         | 0.00          | 0.0               |              |
| 8    | 0         | 0.00          | 0.0               |              |
| 9    | 0         | 0.00          | 0.0               |              |
| 10   | 0         | 0.00          | 0.0               |              |
| 11   | 0         | 0.00          | 0.0               |              |
| 12   | 0         | 0.00          | 0.0               |              |
| 13   | 0         | 0.00          | 0.0               |              |
| 14   | 0         | 0.00          | 0.0               |              |
| 15   | 0         | 0.00          | 0.0               |              |
| 16   | 0         | 0.00          | 0.0               |              |
| 17   | 0         | 0.00          | 0.0               |              |
| 18   | 0         | 0.00          | 0.0               | Upper Marker |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25\_001.xad

Created: 6/25/2014 11:46:16 AM  
 Modified: 6/25/2014 12:27:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 500 bp Tui Covaris**

Number of peaks found: 15                      Noise: 0.4

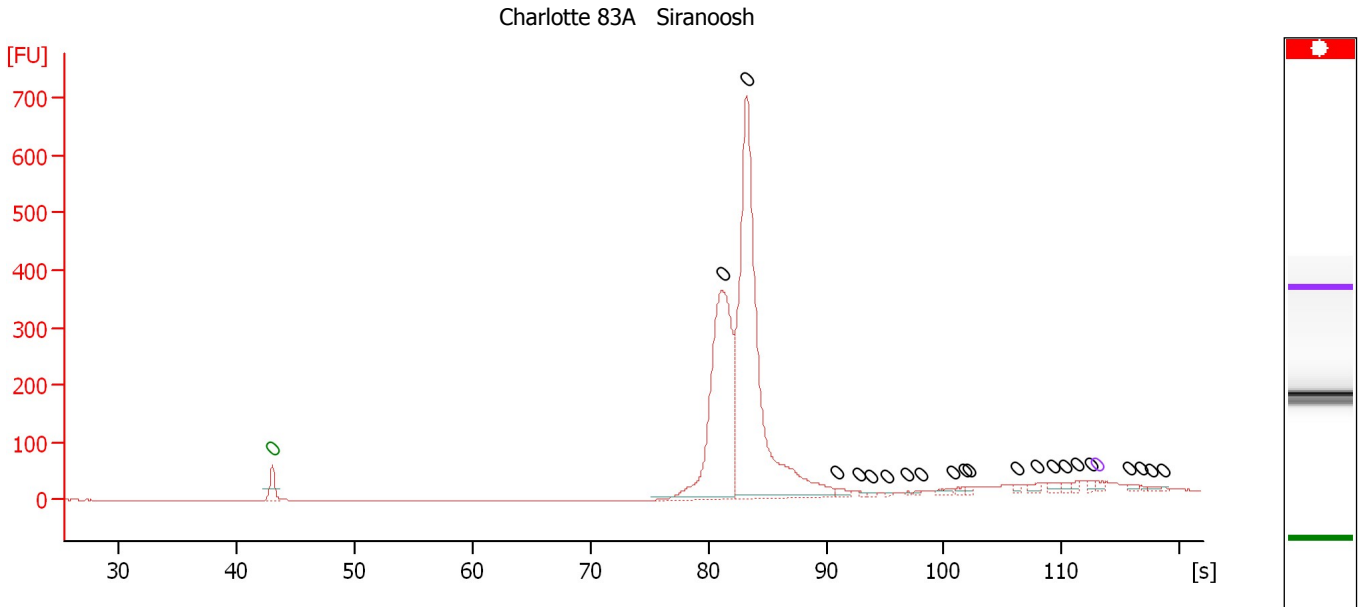
**Peak table for sample 4 : 500 bp Tui Covaris**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 0         | 0.00          | 0.0               | Lower Marker |
| 2    | 0         | 0.00          | 0.0               |              |
| 3    | 0         | 0.00          | 0.0               |              |
| 4    | 0         | 0.00          | 0.0               |              |
| 5    | 0         | 0.00          | 0.0               |              |
| 6    | 0         | 0.00          | 0.0               |              |
| 7    | 0         | 0.00          | 0.0               |              |
| 8    | 0         | 0.00          | 0.0               |              |
| 9    | 0         | 0.00          | 0.0               |              |
| 10   | 0         | 0.00          | 0.0               |              |
| 11   | 0         | 0.00          | 0.0               |              |
| 12   | 0         | 0.00          | 0.0               |              |
| 13   | 0         | 0.00          | 0.0               |              |
| 14   | 0         | 0.00          | 0.0               |              |
| 15   | 0         | 0.00          | 0.0               |              |
| 16   | 0         | 0.00          | 0.0               | Upper Marker |
| 17   | 0         | 0.00          | 0.0               |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25\_001.xad

Created: 6/25/2014 11:46:16 AM  
 Modified: 6/25/2014 12:27:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : Charlotte 83A Siranoosh**

Number of peaks found: 21      Noise: 0.2

**Peak table for sample 5 : Charlotte 83A Siranoosh**

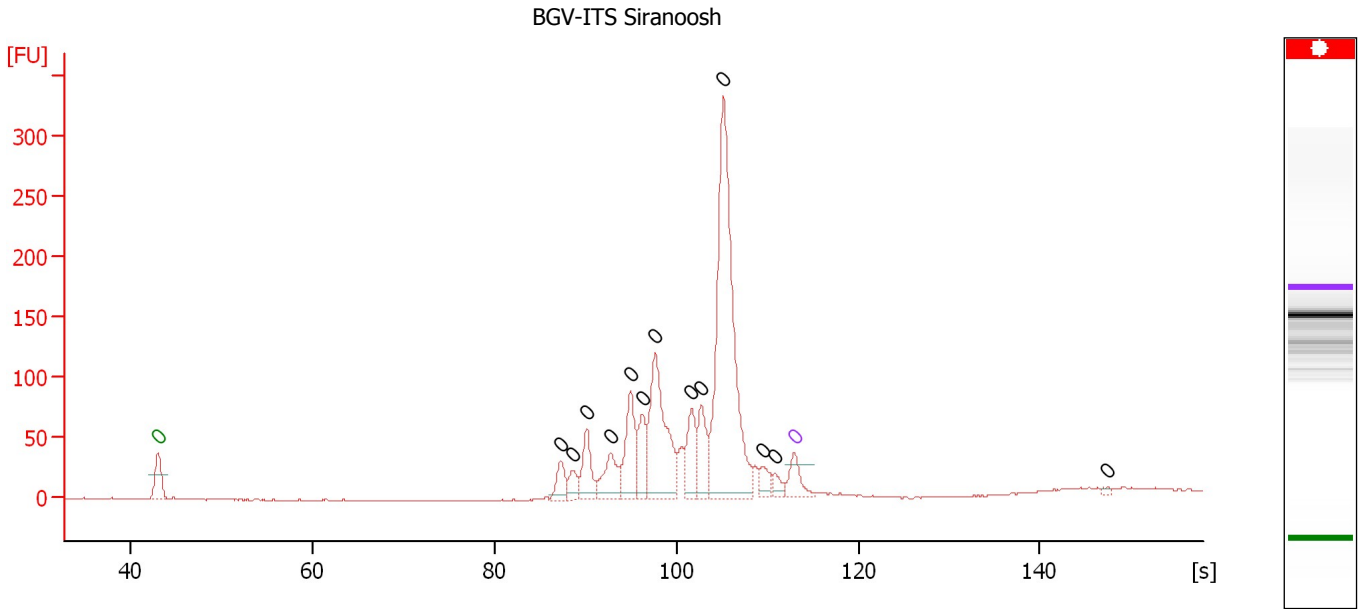
| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 0         | 0.00          | 0.0               | Lower Marker |
| 2    | 0         | 0.00          | 0.0               |              |
| 3    | 0         | 0.00          | 0.0               |              |
| 4    | 0         | 0.00          | 0.0               |              |
| 5    | 0         | 0.00          | 0.0               |              |
| 6    | 0         | 0.00          | 0.0               |              |
| 7    | 0         | 0.00          | 0.0               |              |
| 8    | 0         | 0.00          | 0.0               |              |
| 9    | 0         | 0.00          | 0.0               |              |
| 10   | 0         | 0.00          | 0.0               |              |
| 11   | 0         | 0.00          | 0.0               |              |
| 12   | 0         | 0.00          | 0.0               |              |
| 13   | 0         | 0.00          | 0.0               |              |
| 14   | 0         | 0.00          | 0.0               |              |
| 15   | 0         | 0.00          | 0.0               |              |
| 16   | 0         | 0.00          | 0.0               |              |
| 17   | 0         | 0.00          | 0.0               |              |
| 18   | 0         | 0.00          | 0.0               |              |
| 19   | 0         | 0.00          | 0.0               | Upper Marker |
| 20   | 0         | 0.00          | 0.0               |              |
| 21   | 0         | 0.00          | 0.0               |              |
| 22   | 0         | 0.00          | 0.0               |              |
| 23   | 0         | 0.00          | 0.0               |              |



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25\_001.xad

Created: 6/25/2014 11:46:16 AM  
 Modified: 6/25/2014 12:27:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : BGV-ITS Siranoosh**

Number of peaks found: 13                      Noise: 0.4

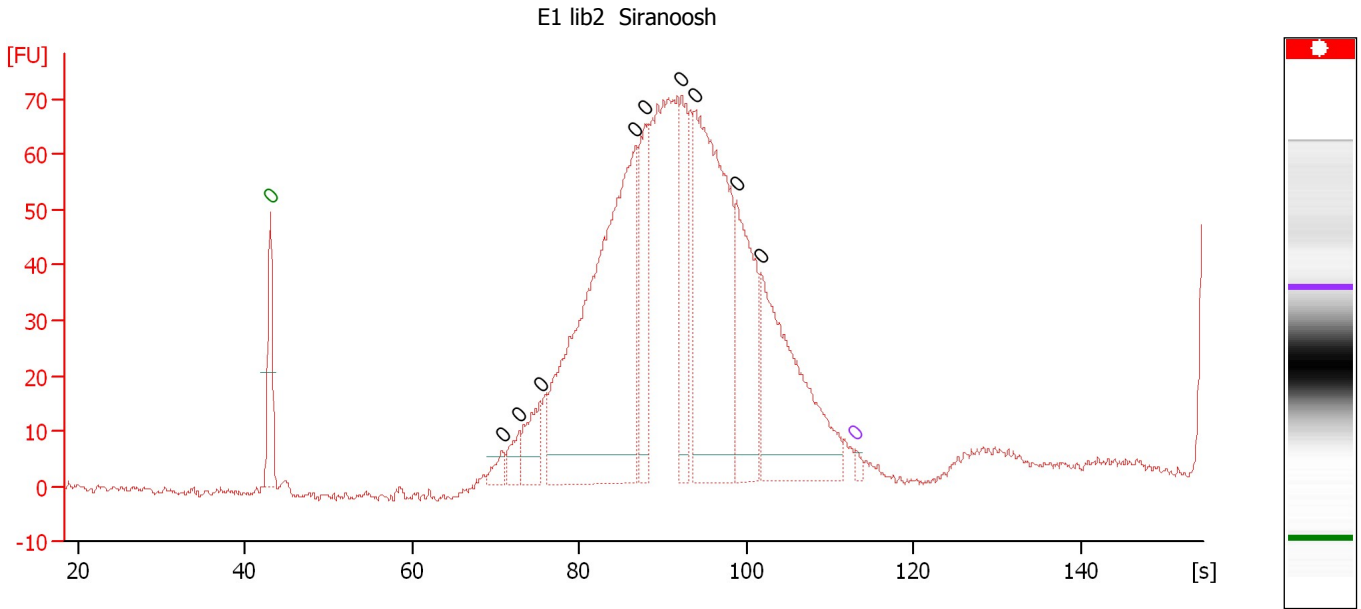
**Peak table for sample 6 : BGV-ITS Siranoosh**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 0         | 0.00          | 0.0               | Lower Marker |
| 2    | 0         | 0.00          | 0.0               |              |
| 3    | 0         | 0.00          | 0.0               |              |
| 4    | 0         | 0.00          | 0.0               |              |
| 5    | 0         | 0.00          | 0.0               |              |
| 6    | 0         | 0.00          | 0.0               |              |
| 7    | 0         | 0.00          | 0.0               |              |
| 8    | 0         | 0.00          | 0.0               |              |
| 9    | 0         | 0.00          | 0.0               |              |
| 10   | 0         | 0.00          | 0.0               |              |
| 11   | 0         | 0.00          | 0.0               |              |
| 12   | 0         | 0.00          | 0.0               |              |
| 13   | 0         | 0.00          | 0.0               |              |
| 14   | 0         | 0.00          | 0.0               | Upper Marker |
| 15   | 0         | 0.00          | 0.0               |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25\_001.xad

Created: 6/25/2014 11:46:16 AM  
 Modified: 6/25/2014 12:27:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : E1 lib2 Siranoosh**

Number of peaks found: 9                      Noise: 0.7

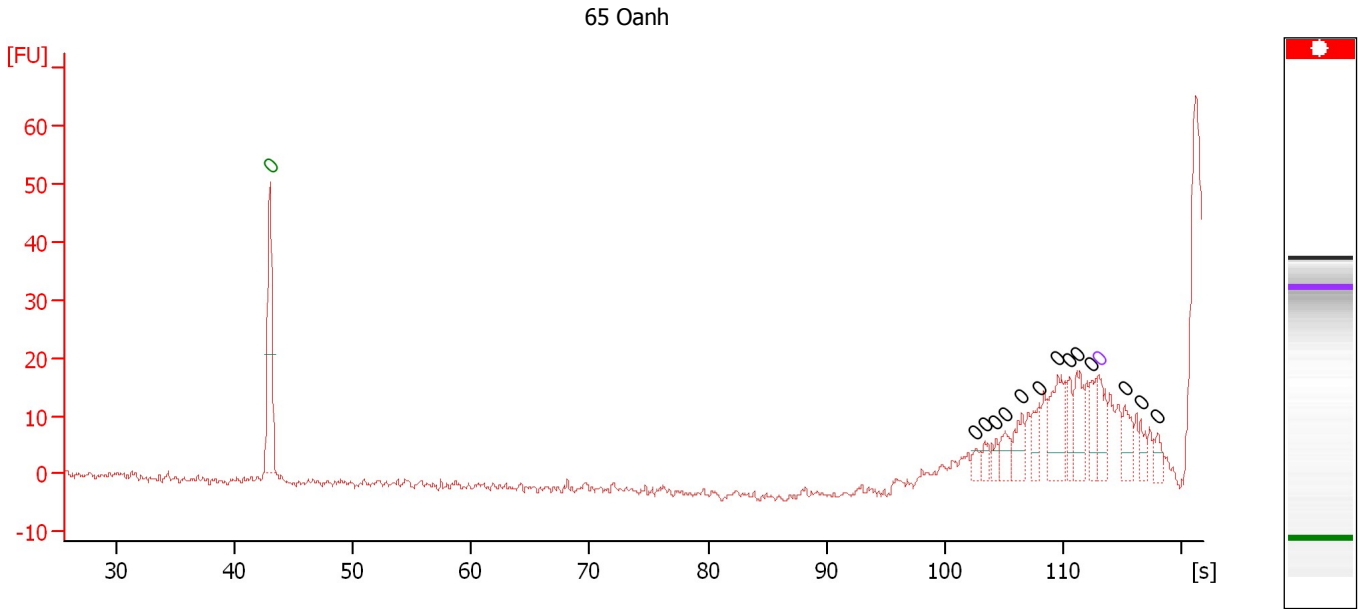
**Peak table for sample 7 : E1 lib2 Siranoosh**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 0         | 0.00          | 0.0               | Lower Marker |
| 2    | 0         | 0.00          | 0.0               |              |
| 3    | 0         | 0.00          | 0.0               |              |
| 4    | 0         | 0.00          | 0.0               |              |
| 5    | 0         | 0.00          | 0.0               |              |
| 6    | 0         | 0.00          | 0.0               |              |
| 7    | 0         | 0.00          | 0.0               |              |
| 8    | 0         | 0.00          | 0.0               |              |
| 9    | 0         | 0.00          | 0.0               |              |
| 10   | 0         | 0.00          | 0.0               |              |
| 11   | 0         | 0.00          | 0.0               | Upper Marker |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25\_001.xad

Created: 6/25/2014 11:46:16 AM  
 Modified: 6/25/2014 12:27:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 65 Oanh**

Number of peaks found: 13                      Noise: 0.6

**Peak table for sample 8 : 65 Oanh**

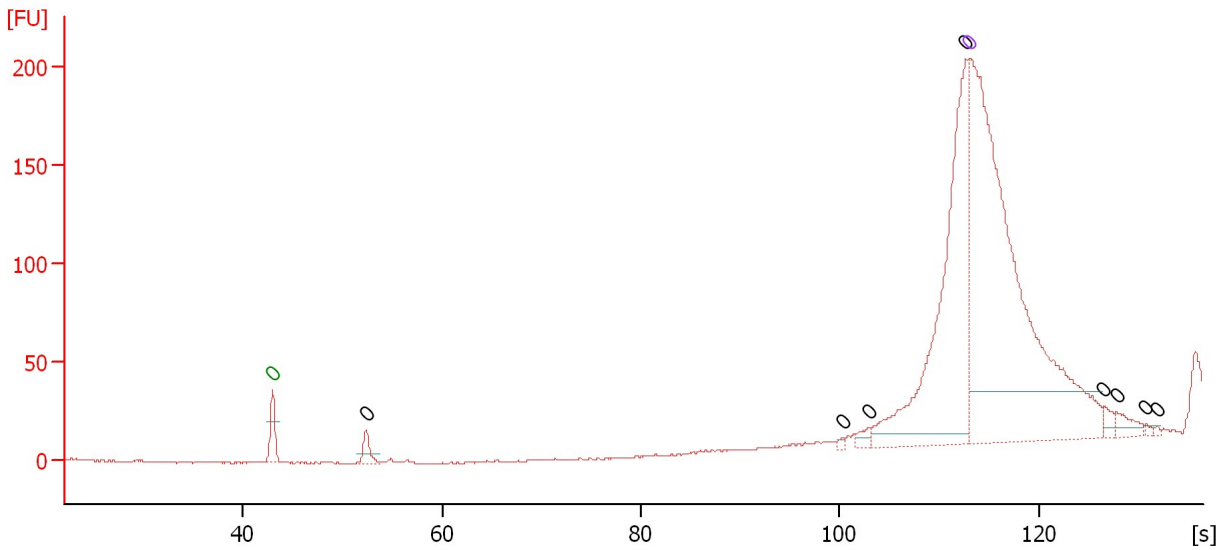
| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 0         | 0.00          | 0.0               | Lower Marker |
| 2    | 0         | 0.00          | 0.0               |              |
| 3    | 0         | 0.00          | 0.0               |              |
| 4    | 0         | 0.00          | 0.0               |              |
| 5    | 0         | 0.00          | 0.0               |              |
| 6    | 0         | 0.00          | 0.0               |              |
| 7    | 0         | 0.00          | 0.0               |              |
| 8    | 0         | 0.00          | 0.0               |              |
| 9    | 0         | 0.00          | 0.0               |              |
| 10   | 0         | 0.00          | 0.0               |              |
| 11   | 0         | 0.00          | 0.0               |              |
| 12   | 0         | 0.00          | 0.0               | Upper Marker |
| 13   | 0         | 0.00          | 0.0               |              |
| 14   | 0         | 0.00          | 0.0               |              |
| 15   | 0         | 0.00          | 0.0               |              |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25\_001.xad

Created: 6/25/2014 11:46:16 AM  
 Modified: 6/25/2014 12:27:36 PM

**Electropherogram Summary Continued ...**

Chedin Oanh



**Overall Results for sample 9 : Chedin Oanh**

Number of peaks found: 8                      Noise: 0.5

**Peak table for sample 9 : Chedin Oanh**

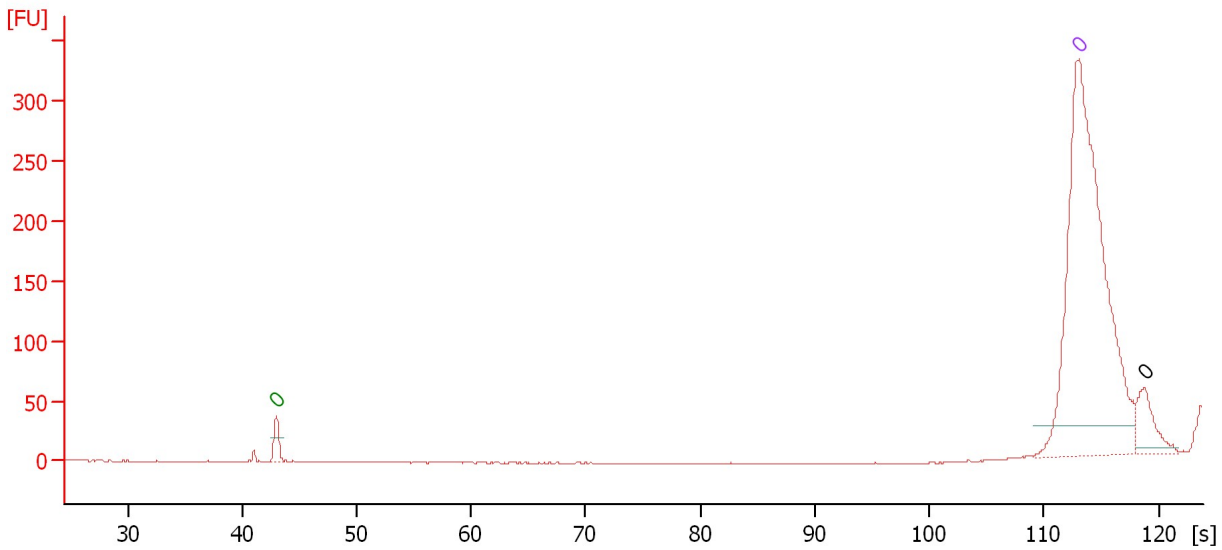
| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 0         | 0.00          | 0.0               | Lower Marker |
| 2    | 0         | 0.00          | 0.0               |              |
| 3    | 0         | 0.00          | 0.0               |              |
| 4    | 0         | 0.00          | 0.0               |              |
| 5    | 0         | 0.00          | 0.0               |              |
| 6    | 0         | 0.00          | 0.0               | Upper Marker |
| 7    | 0         | 0.00          | 0.0               |              |
| 8    | 0         | 0.00          | 0.0               |              |
| 9    | 0         | 0.00          | 0.0               |              |
| 10   | 0         | 0.00          | 0.0               |              |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25\_001.xad

Created: 6/25/2014 11:46:16 AM  
Modified: 6/25/2014 12:27:36 PM

**Electropherogram Summary Continued ...**

1-2.5



**Overall Results for sample 10 : 1-2.5**

Number of peaks found: 1      Noise: 0.4

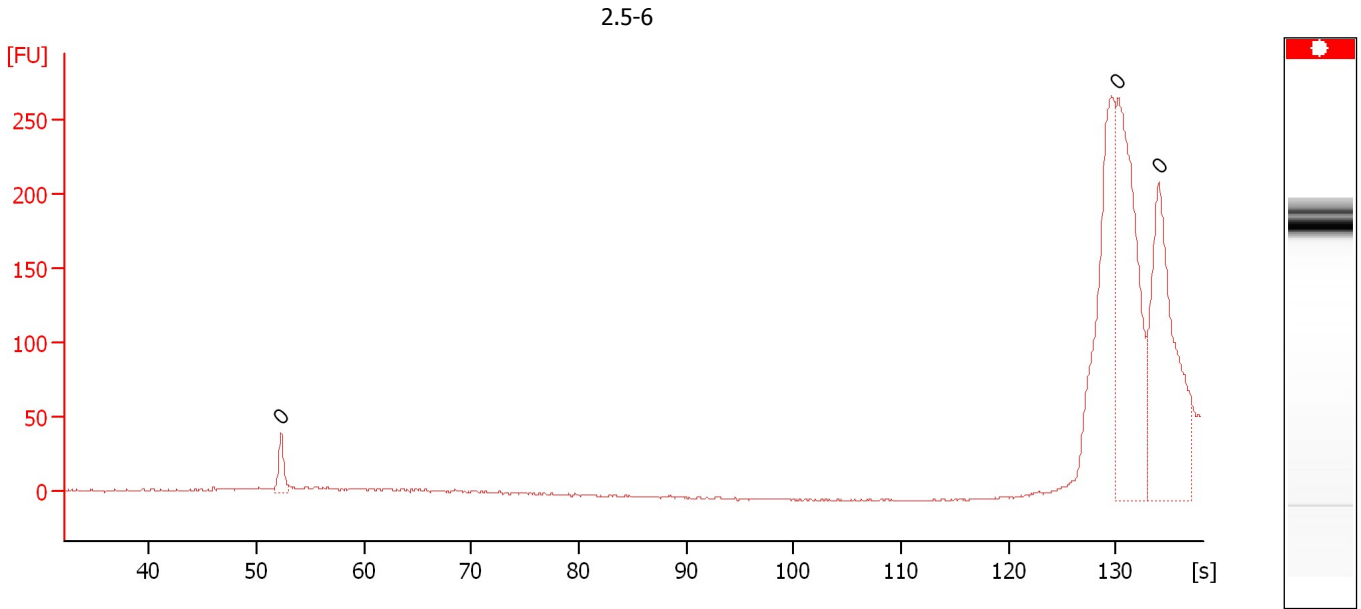
**Peak table for sample 10 : 1-2.5**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 0         | 0.00          | 0.0               | Lower Marker |
| 2    | 0         | 0.00          | 0.0               | Upper Marker |
| 3    | 0         | 0.00          | 0.0               |              |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25\_001.xad

Created: 6/25/2014 11:46:16 AM  
Modified: 6/25/2014 12:27:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : 2.5-6**

Number of peaks found: 0                      Noise: 0.6

**Peak table for sample 11 : 2.5-6**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 0         | 0.00          | 0.0               |              |
| 2    | 0         | 0.00          | 0.0               |              |
| 3    | 0         | 0.00          | 0.0               |              |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-25\2014-06-25\_001.xad

Created: 6/25/2014 11:46:16 AM  
Modified: 6/25/2014 12:27:36 PM

**Gel Image**

