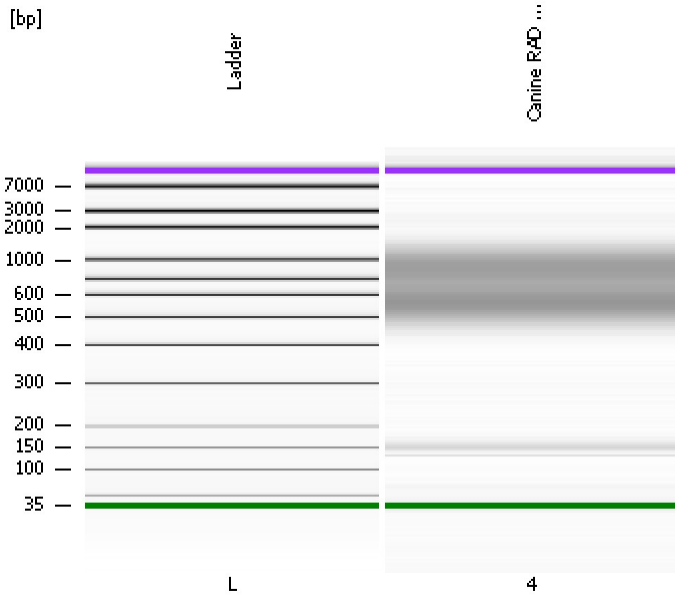


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...Settings\Bioanalyzer\2013-12-19\2013-12-19\_003\_RAD\_Seq1.xad

Created: 12/19/2013 12:52:35 PM  
Modified: 12/19/2013 4:29:22 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

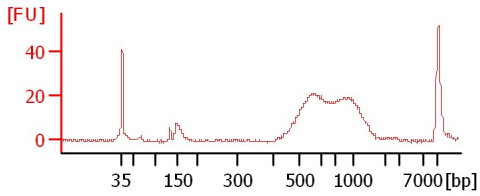
Assay Information:

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:

**Canine RAD Seq1 1:4**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...Settings\Bioanalyzer\2013-12-19\2013-12-19\_003\_RAD\_Seq1.xad

Created: 12/19/2013 12:52:35 PM  
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**Electrophoresis File Run Summary (Chip Summary)**

| Sample Name         | Sample Comment | Rest. Digest             | Status | Observation              | Result Label | Result Color |
|---------------------|----------------|--------------------------|--------|--------------------------|--------------|--------------|
| Canine RAD Seq1 1:4 |                | <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:\...Settings\Bioanalyzer\2013-12-19\2013-12-19\_003\_RAD\_Seq1.xad

Created: 12/19/2013 12:52:35 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

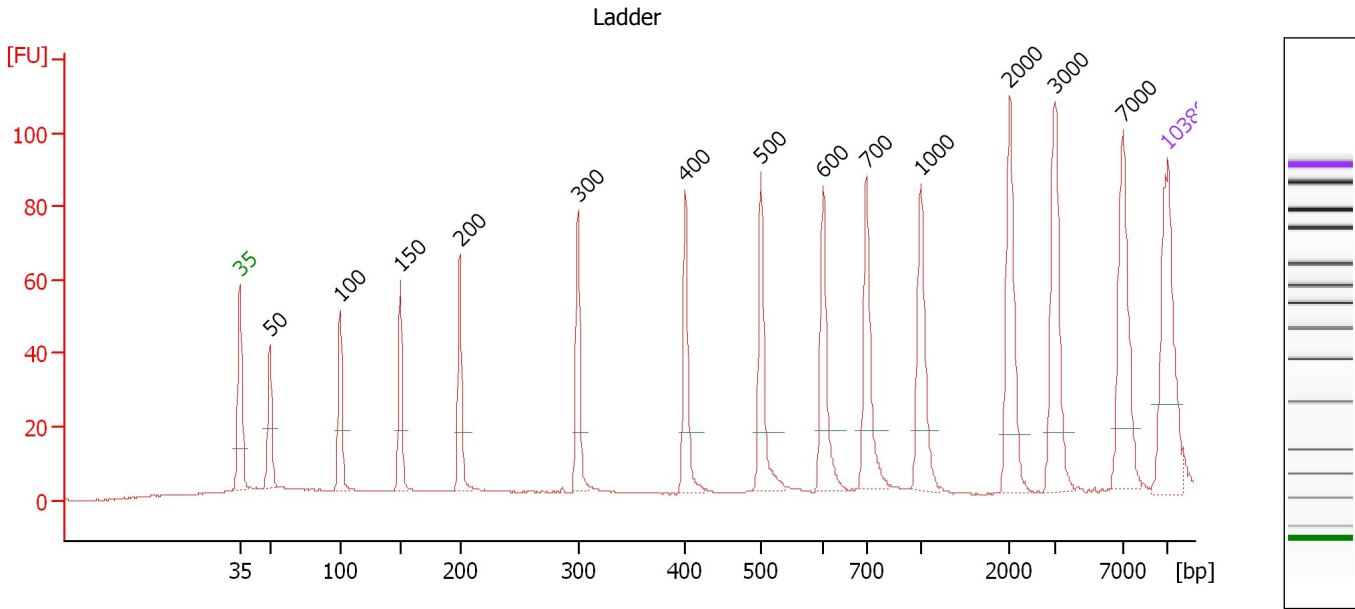
**Ladder**

| 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:\...Settings\Bioanalyzer\2013-12-19\2013-12-19\_003\_RAD\_Seq1.xad

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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

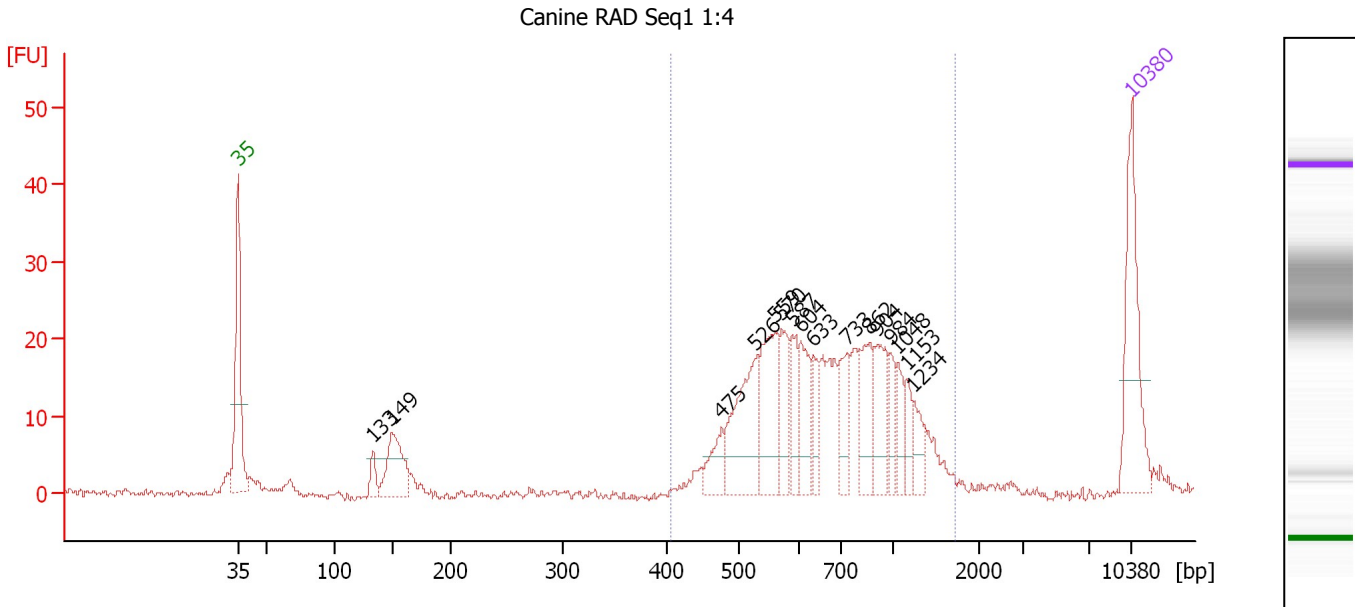
**Peak table for Ladder**

| Peak | Aligned Migration Time [s] | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|----------------------------|-----------|---------------|-------------------|--------------|
| 1    | 43.00                      | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 45.25                      | 50        | 150.00        | 4,545.5           | Ladder Peak  |
| 3    | 50.56                      | 100       | 150.00        | 2,272.7           | Ladder Peak  |
| 4    | 55.10                      | 150       | 150.00        | 1,515.2           | Ladder Peak  |
| 5    | 59.61                      | 200       | 150.00        | 1,136.4           | Ladder Peak  |
| 6    | 68.49                      | 300       | 150.00        | 757.6             | Ladder Peak  |
| 7    | 76.57                      | 400       | 150.00        | 568.2             | Ladder Peak  |
| 8    | 82.28                      | 500       | 150.00        | 454.5             | Ladder Peak  |
| 9    | 86.99                      | 600       | 150.00        | 378.8             | Ladder Peak  |
| 10   | 90.24                      | 700       | 150.00        | 324.7             | Ladder Peak  |
| 11   | 94.34                      | 1,000     | 150.00        | 227.3             | Ladder Peak  |
| 12   | 101.06                     | 2,000     | 150.00        | 113.6             | Ladder Peak  |
| 13   | 104.48                     | 3,000     | 150.00        | 75.8              | Ladder Peak  |
| 14   | 109.58                     | 7,000     | 150.00        | 32.5              | Ladder Peak  |
| 15   | 113.00                     | 10,380    | 75.00         | 10.9              | Upper Marker |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...Settings\Bioanalyzer\2013-12-19\2013-12-19\_003\_RAD\_Seq1.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : Canine RAD Seq1 1:4**

Number of peaks found: 16                      Corr. Area 1: 322.6  
 Noise: 0.5

**Peak table for sample 4 : Canine RAD Seq1 1:4**

| Peak | Aligned Migration Time [s] | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|----------------------------|-----------|---------------|-------------------|--------------|
| 1    | 43.00                      | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 53.57                      | 133       | 16.48         | 187.6             |              |
| 3    | 55.03                      | 149       | 70.14         | 712.4             |              |
| 4    | 80.88                      | 475       | 26.76         | 85.3              |              |
| 5    | 83.51                      | 526       | 91.79         | 264.3             |              |
| 6    | 85.06                      | 559       | 76.52         | 207.4             |              |
| 7    | 85.56                      | 570       | 44.35         | 117.9             |              |
| 8    | 86.39                      | 587       | 31.87         | 82.2              |              |
| 9    | 87.11                      | 604       | 40.21         | 100.9             |              |
| 10   | 88.07                      | 633       | 24.00         | 57.4              |              |
| 11   | 90.70                      | 733       | 33.97         | 70.2              |              |
| 12   | 92.45                      | 862       | 45.82         | 80.6              |              |
| 13   | 93.04                      | 904       | 44.37         | 74.3              |              |
| 14   | 94.12                      | 984       | 20.56         | 31.7              |              |
| 15   | 94.66                      | 1,048     | 19.41         | 28.1              |              |
| 16   | 95.37                      | 1,153     | 15.50         | 20.4              |              |
| 17   | 95.92                      | 1,234     | 19.67         | 24.1              |              |
| 18   | 113.00                     | 10,380    | 75.00         | 10.9              | Upper Marker |

**Region table for sample 4 : Canine RAD Seq1 1:4**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 406       | 1,721   | 744               | 1,456.2           | 636.65        | 322.6      | 89         | 34.2                        | Blue  |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...Settings\Bioanalyzer\2013-12-19\2013-12-19\_003\_RAD\_Seq1.xad

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**Gel Image**

