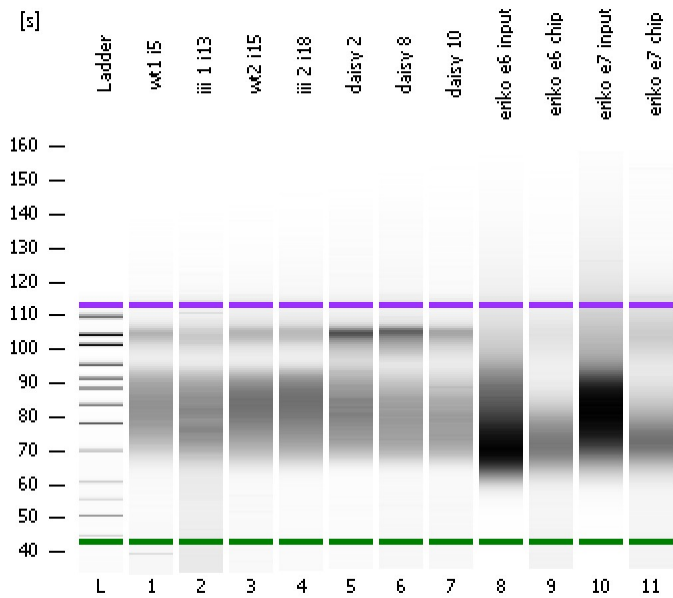


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-04\2019-09-04\_001.xad

Created: 9/4/2019 1:20:28 PM  
Modified: 9/4/2019 2:02:22 PM

**Electrophoresis File Run Summary**



Instrument Information:

Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

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

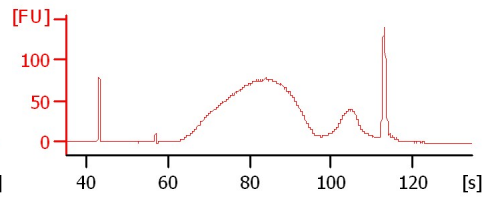
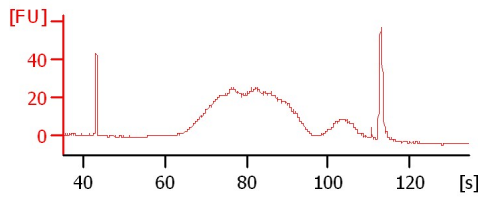
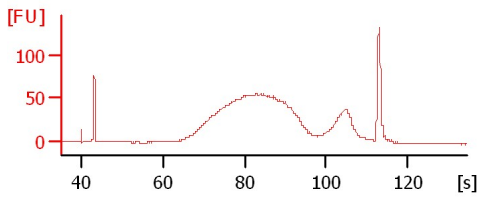
Chip Information:

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

wt1 i5

iii 1 i13

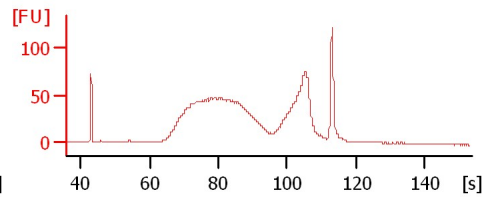
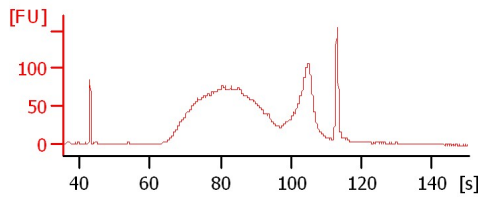
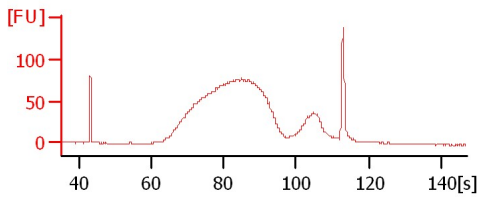
wt2 i15



iii 2 i18

daisy 2

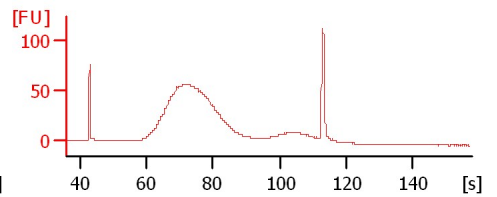
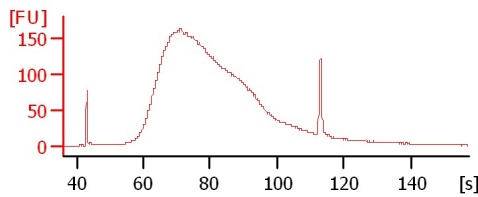
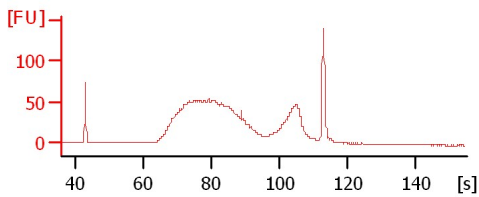
daisy 8



daisy 10

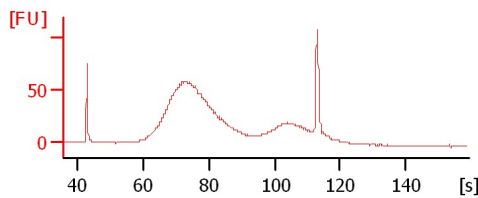
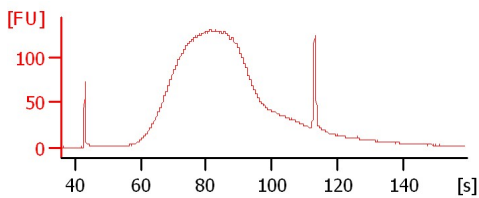
eriko e6 input

eriko e6 chip



eriko e7 input

eriko e7 chip



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-04\2019-09-04\_001.xad

Created: 9/4/2019 1:20:28 PM  
 Modified: 9/4/2019 2:02:22 PM

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

| Sample Name    | Sample Comment | Rest. Digest             | Status | Observation | Result Label | Result Color |
|----------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| wt1 i5         |                | <input type="checkbox"/> | ✓      |             |              |              |
| iii 1 i13      |                | <input type="checkbox"/> | ✓      |             |              |              |
| wt2 i15        |                | <input type="checkbox"/> | ✓      |             |              |              |
| iii 2 i18      |                | <input type="checkbox"/> | ✓      |             |              |              |
| daisy 2        |                | <input type="checkbox"/> | ✓      |             |              |              |
| daisy 8        |                | <input type="checkbox"/> | ✓      |             |              |              |
| daisy 10       |                | <input type="checkbox"/> | ✓      |             |              |              |
| eriko e6 input |                | <input type="checkbox"/> | ✓      |             |              |              |
| eriko e6 chip  |                | <input type="checkbox"/> | ✓      |             |              |              |
| eriko e7 input |                | <input type="checkbox"/> | ✓      |             |              |              |
| eriko e7 chip  |                | <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\2019-09-04\2019-09-04\_001.xad

Created: 9/4/2019 1:20:28 PM  
Modified: 9/4/2019 2:02:22 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

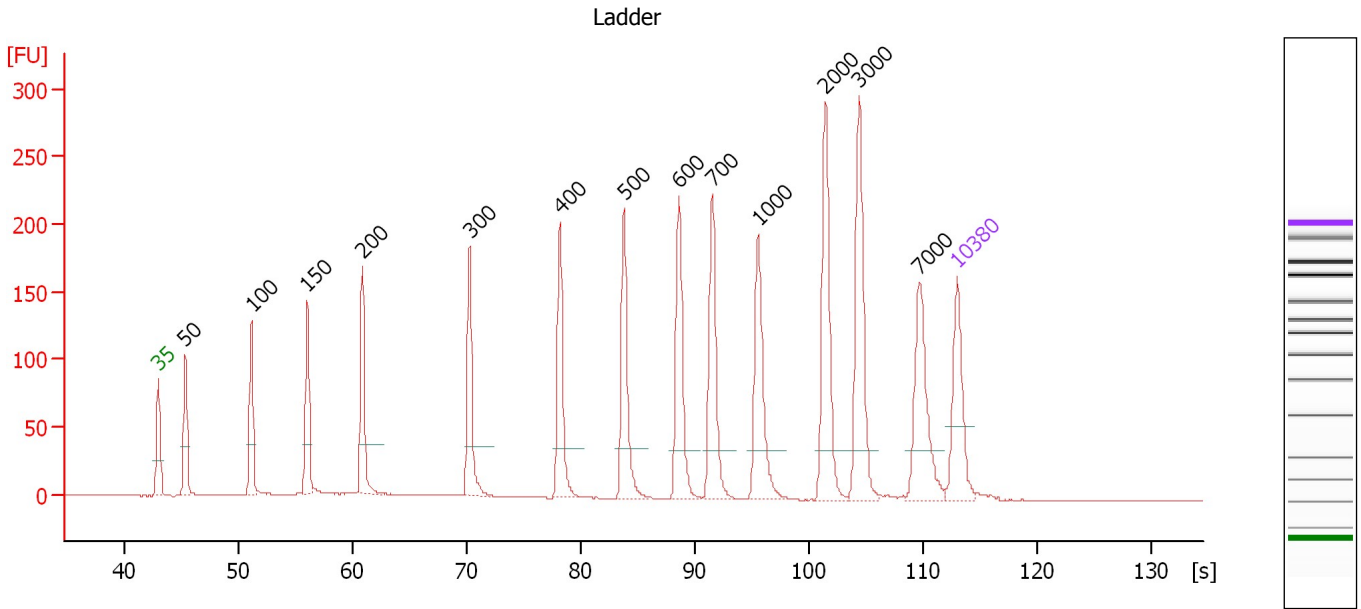
**Ladder**

| 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\2019-09-04\2019-09-04\_001.xad

Created: 9/4/2019 1:20:28 PM  
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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

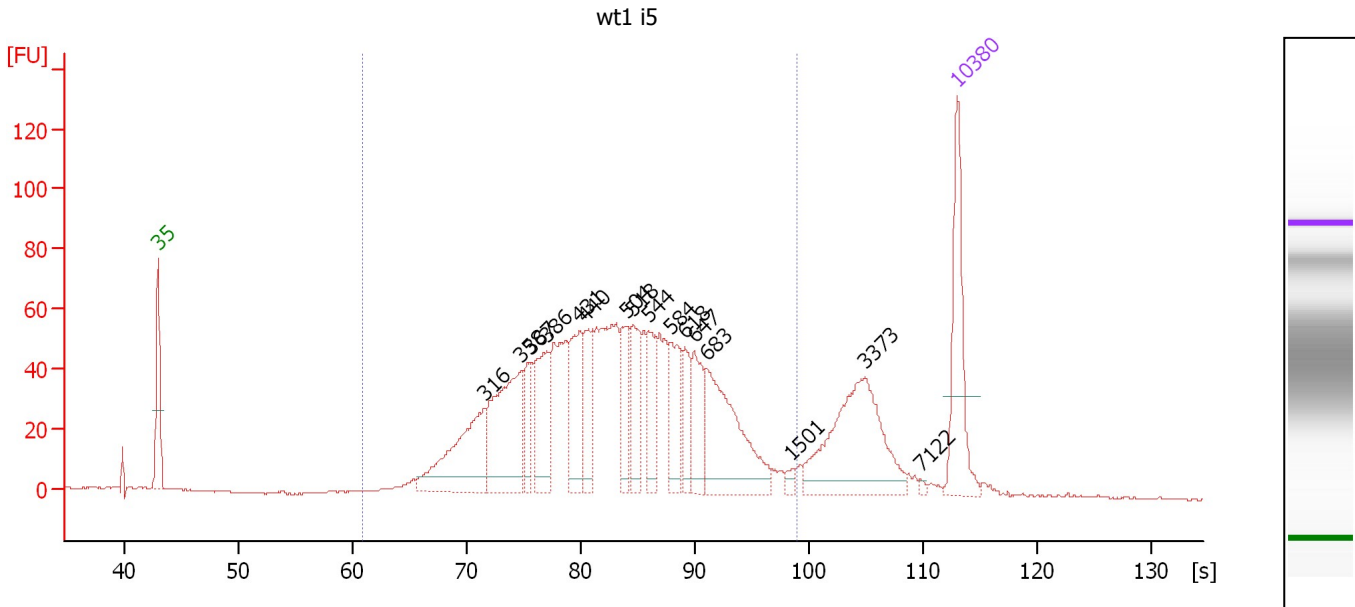
**Peak table for Ladder**

| 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  | 45.37                      |
| 3    | 100       | 150.00        | 2,272.7           | Ladder Peak  | 51.18                      |
| 4    | 150       | 150.00        | 1,515.2           | Ladder Peak  | 56.06                      |
| 5    | 200       | 150.00        | 1,136.4           | Ladder Peak  | 60.90                      |
| 6    | 300       | 150.00        | 757.6             | Ladder Peak  | 70.28                      |
| 7    | 400       | 150.00        | 568.2             | Ladder Peak  | 78.17                      |
| 8    | 500       | 150.00        | 454.5             | Ladder Peak  | 83.78                      |
| 9    | 600       | 150.00        | 378.8             | Ladder Peak  | 88.62                      |
| 10   | 700       | 150.00        | 324.7             | Ladder Peak  | 91.52                      |
| 11   | 1,000     | 150.00        | 227.3             | Ladder Peak  | 95.54                      |
| 12   | 2,000     | 150.00        | 113.6             | Ladder Peak  | 101.44                     |
| 13   | 3,000     | 150.00        | 75.8              | Ladder Peak  | 104.39                     |
| 14   | 7,000     | 150.00        | 32.5              | Ladder Peak  | 109.66                     |
| 15   | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-04\2019-09-04\_001.xad

Created: 9/4/2019 1:20:28 PM  
 Modified: 9/4/2019 2:02:22 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : wt1 i5**

Number of peaks found: 16                      Corr. Area 1: 1,488.5  
 Noise: 0.3

**Peak table for sample 1 : wt1 i5**

| 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    | 316       | 129.03        | 618.2             |              | 71.56                      |
| 3    | 358       | 140.31        | 594.4             |              | 74.83                      |
| 4    | 367       | 33.94         | 140.1             |              | 75.57                      |
| 5    | 386       | 75.02         | 294.5             |              | 77.06                      |
| 6    | 431       | 73.01         | 256.9             |              | 79.88                      |
| 7    | 440       | 44.84         | 154.3             |              | 80.43                      |
| 8    | 504       | 43.64         | 131.1             |              | 83.99                      |
| 9    | 518       | 53.75         | 157.3             |              | 84.63                      |
| 10   | 544       | 39.36         | 109.6             |              | 85.92                      |
| 11   | 584       | 52.88         | 137.2             |              | 87.85                      |
| 12   | 618       | 32.14         | 78.8              |              | 89.14                      |
| 13   | 647       | 46.63         | 109.2             |              | 89.98                      |
| 14   | 683       | 133.63        | 296.6             |              | 91.02                      |
| 15   | 1,501     | 4.82          | 4.9               |              | 98.50                      |
| 16   | 3,373     | 129.62        | 58.2              |              | 104.88                     |
| 17   | 7,122     | 2.04          | 0.4               |              | 109.78                     |
| 18   | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

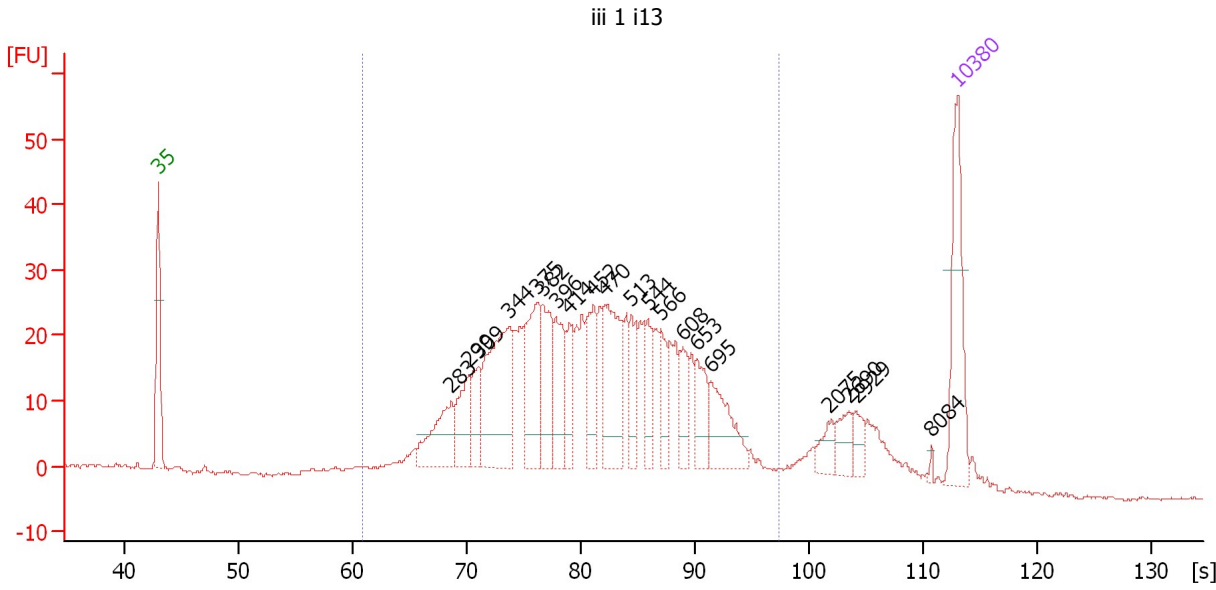
**Region table for sample 1 : wt1 i5**

| From [s] | To [s] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] |
|----------|--------|-------------------|---------------|------------|-------------------|-------------------|-----------------------------|
| 60.90    | 98.93  | 515               | 1,290.97      | 1,488.5    | 4,410.7           | 86                | 37.7                        |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-04\2019-09-04\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : iii 1 i13**

Number of peaks found: 20                      Corr. Area 1: 744.7  
 Noise: 0.3

**Peak table for sample 2 : iii 1 i13**


| 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    | 283       | 70.41         | 377.5             |              | 68.65                      |
| 3    | 299       | 51.47         | 260.6             |              | 70.21                      |
| 4    | 309       | 39.49         | 193.4             |              | 71.02                      |
| 5    | 344       | 149.37        | 658.2             |              | 73.74                      |
| 6    | 375       | 92.21         | 372.4             |              | 76.21                      |
| 7    | 382       | 63.64         | 252.7             |              | 76.71                      |
| 8    | 396       | 59.43         | 227.6             |              | 77.82                      |
| 9    | 414       | 38.12         | 139.4             |              | 78.98                      |
| 10   | 452       | 55.30         | 185.3             |              | 81.10                      |
| 11   | 470       | 103.16        | 332.4             |              | 82.11                      |
| 12   | 513       | 36.51         | 107.8             |              | 84.43                      |
| 13   | 544       | 38.79         | 108.1             |              | 85.89                      |
| 14   | 566       | 29.84         | 79.8              |              | 87.00                      |
| 15   | 608       | 27.33         | 68.1              |              | 88.86                      |
| 16   | 653       | 36.02         | 83.5              |              | 90.17                      |
| 17   | 695       | 60.28         | 131.4             |              | 91.38                      |
| 18   | 2,075     | 15.75         | 11.5              |              | 101.66                     |
| 19   | 2,690     | 18.50         | 10.4              |              | 103.48                     |
| 20   | 2,929     | 12.56         | 6.5               |              | 104.18                     |
| 21   | 8,084     | 2.20          | 0.4               |              | 110.73                     |
| 22   | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-04\2019-09-04\_001.xad

Created: 9/4/2019 1:20:28 PM  
Modified: 9/4/2019 2:02:22 PM

**Electropherogram Summary Continued ...**

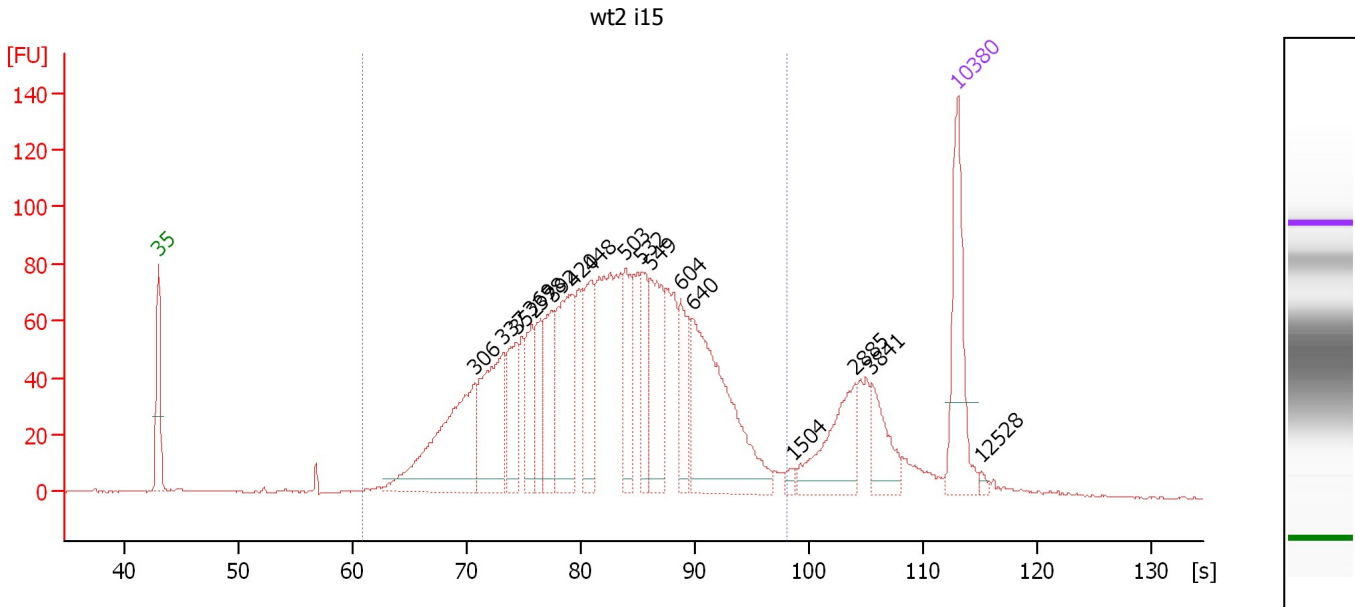
... Region table for sample 2 : iii 1 i13

| From [s] | To [s] | Average Size [bp] | Conc. [pg/ $\mu$ l] | Corr. Area | Molarity [pmol/l] | Co % of lor Total  | Size distribution in CV [%] |
|----------|--------|-------------------|---------------------|------------|-------------------|--|-----------------------------|
| 60.90    | 97.41  | 472               | 1,456.14            | 744.7      | 5,379.6           |  87 | 33.6                        |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-04\2019-09-04\_001.xad

Created: 9/4/2019 1:20:28 PM  
 Modified: 9/4/2019 2:02:22 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : wt2 i15**

Number of peaks found: 17                      Corr. Area 1: 2,068.7  
 Noise: 0.3

**Peak table for sample 3 : wt2 i15**

| 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    | 306       | 181.59        | 898.2             |              | 70.78                      |
| 3    | 337       | 129.87        | 583.6             |              | 73.21                      |
| 4    | 352       | 62.13         | 267.7             |              | 74.35                      |
| 5    | 369       | 53.64         | 220.4             |              | 75.70                      |
| 6    | 378       | 45.56         | 182.4             |              | 76.47                      |
| 7    | 392       | 59.53         | 230.3             |              | 77.51                      |
| 8    | 420       | 117.11        | 422.9             |              | 79.27                      |
| 9    | 448       | 73.47         | 248.4             |              | 80.87                      |
| 10   | 503       | 70.26         | 211.7             |              | 83.92                      |
| 11   | 532       | 52.66         | 150.0             |              | 85.32                      |
| 12   | 549       | 85.45         | 235.8             |              | 86.15                      |
| 13   | 604       | 50.69         | 127.2             |              | 88.74                      |
| 14   | 640       | 191.64        | 453.9             |              | 89.77                      |
| 15   | 1,504     | 5.24          | 5.3               |              | 98.51                      |
| 16   | 2,885     | 65.10         | 34.2              |              | 104.05                     |
| 17   | 3,841     | 36.91         | 14.6              |              | 105.50                     |
| 18   | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |
| 19   | 12,528    | 0.00          | 0.0               |              | 115.12                     |

**Region table for sample 3 : wt2 i15**

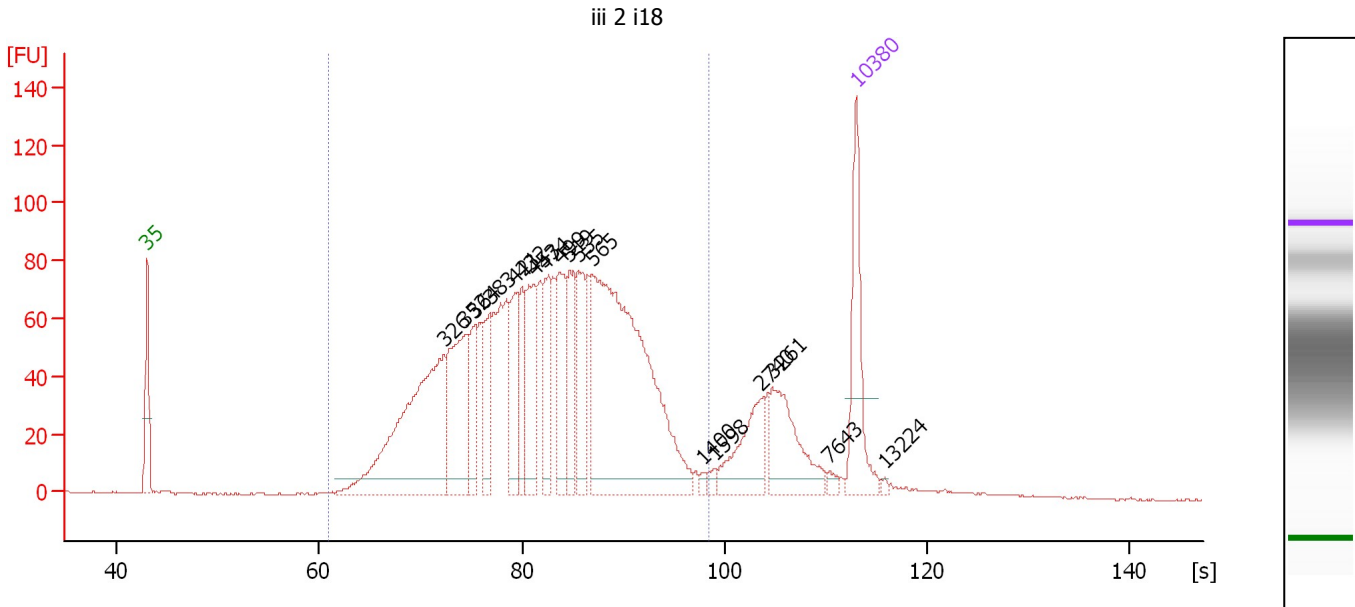
| From [s] | To [s] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|----------|--------|-------------------|---------------|------------|-------------------|-------------------|-----------------------------|
| 60.90    | 98.00  | 493               | 1,601.24      | 2,068.7    | 5,695.7           | 86                | 34.5                        |



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-04\2019-09-04\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : iii 2 i18**

Number of peaks found: 18                      Corr. Area 1: 2,119.4  
 Noise: 0.3

**Peak table for sample 4 : iii 2 i18**

| 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       | 308.55        | 1,435.8           |              | 72.30                      |
| 3    | 352       | 144.35        | 620.5             |              | 74.42                      |
| 4    | 364       | 51.14         | 212.9             |              | 75.32                      |
| 5    | 383       | 59.69         | 236.3             |              | 76.81                      |
| 6    | 421       | 67.73         | 243.7             |              | 79.35                      |
| 7    | 432       | 52.73         | 184.8             |              | 79.99                      |
| 8    | 453       | 81.34         | 272.0             |              | 81.15                      |
| 9    | 474       | 66.44         | 212.4             |              | 82.32                      |
| 10   | 499       | 83.27         | 252.6             |              | 83.75                      |
| 11   | 519       | 56.81         | 165.8             |              | 84.70                      |
| 12   | 535       | 71.21         | 201.5             |              | 85.50                      |
| 13   | 565       | 444.56        | 1,192.0           |              | 86.93                      |
| 14   | 1,400     | 3.42          | 3.7               |              | 97.90                      |
| 15   | 1,598     | 5.54          | 5.3               |              | 99.06                      |
| 16   | 2,740     | 57.14         | 31.6              |              | 103.62                     |
| 17   | 3,261     | 73.71         | 34.2              |              | 104.73                     |
| 18   | 7,643     | 5.14          | 1.0               |              | 110.30                     |
| 19   | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |
| 20   | 13,224    | 0.00          | 0.0               |              | 115.81                     |

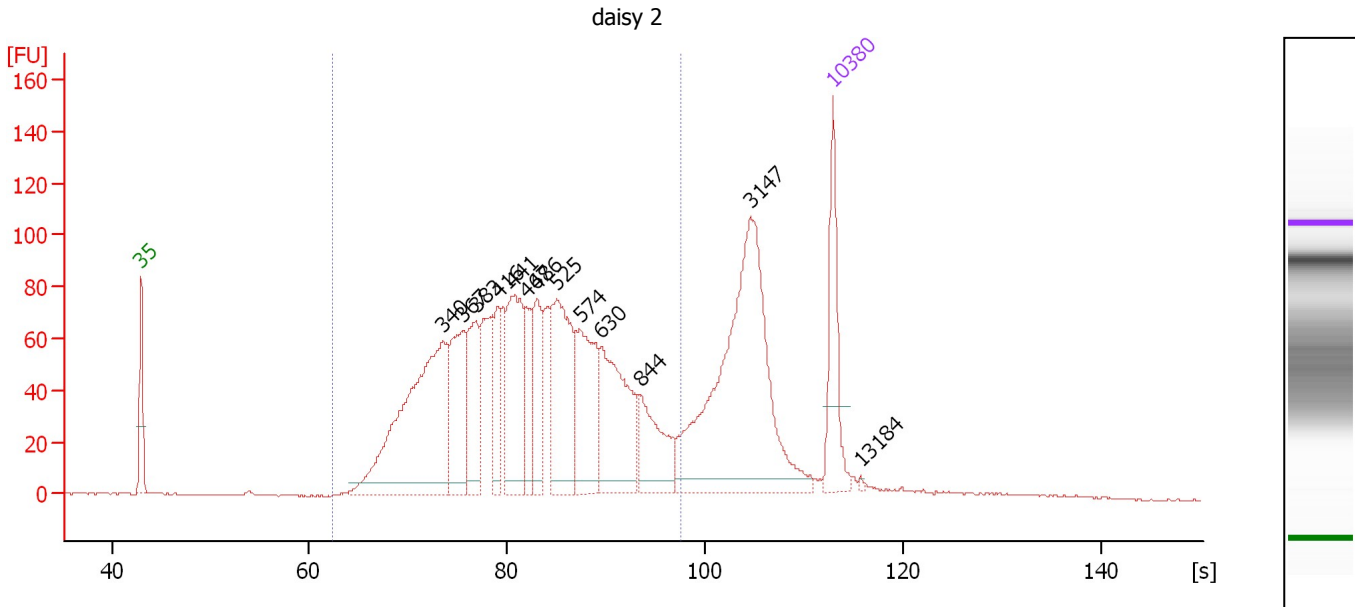
**Region table for sample 4 : iii 2 i18**

| From [s] | To [s] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|----------|--------|-------------------|---------------|------------|-------------------|-------------------|-----------------------------|
| 60.90    | 98.45  | 498               | 1,835.29      | 2,119.4    | 6,506.3           | 88                | 35.7                        |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-04\2019-09-04\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : daisy 2**

Number of peaks found: 13                      Corr. Area 1: 2,064.2  
 Noise: 0.3

**Peak table for sample 5 : daisy 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    | 340       | 370.46        | 1,649.2           |              | 73.47                      |
| 3    | 367       | 124.72        | 514.6             |              | 75.58                      |
| 4    | 383       | 100.95        | 399.3             |              | 76.83                      |
| 5    | 416       | 52.38         | 190.9             |              | 79.06                      |
| 6    | 441       | 145.36        | 499.4             |              | 80.47                      |
| 7    | 467       | 58.83         | 190.8             |              | 81.94                      |
| 8    | 486       | 71.09         | 221.4             |              | 83.02                      |
| 9    | 525       | 162.78        | 470.0             |              | 84.98                      |
| 10   | 574       | 132.18        | 348.8             |              | 87.37                      |
| 11   | 630       | 149.78        | 360.3             |              | 89.49                      |
| 12   | 844       | 77.15         | 138.5             |              | 93.45                      |
| 13   | 3,147     | 342.75        | 165.0             |              | 104.58                     |
| 14   | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |
| 15   | 13,184    | 0.00          | 0.0               |              | 115.77                     |

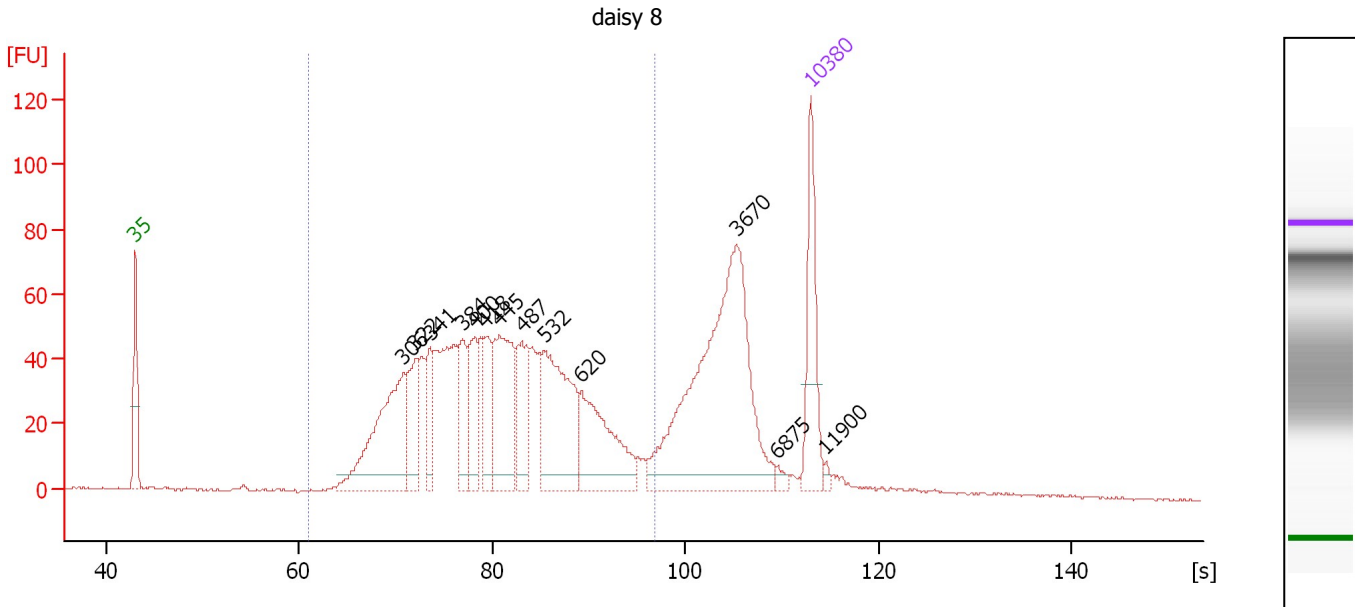
**Region table for sample 5 : daisy 2**

| From [s] | To [s] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|----------|--------|-------------------|---------------|------------|-------------------|-------------------|-----------------------------|
| 62.32    | 97.64  | 505               | 1,697.11      | 2,064.2    | 5,963.0           | 76                | 38.1                        |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-04\2019-09-04\_001.xad

Created: 9/4/2019 1:20:28 PM  
 Modified: 9/4/2019 2:02:22 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : daisy 8**

Number of peaks found: 13                      Corr. Area 1: 1,310.4  
 Noise: 0.3

**Peak table for sample 6 : daisy 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    | 306       | 196.71        | 974.5             |              | 70.74                      |
| 3    | 322       | 73.47         | 345.6             |              | 72.02                      |
| 4    | 341       | 47.10         | 209.2             |              | 73.52                      |
| 5    | 384       | 55.49         | 218.9             |              | 76.92                      |
| 6    | 400       | 60.72         | 230.2             |              | 78.14                      |
| 7    | 418       | 51.34         | 186.0             |              | 79.20                      |
| 8    | 445       | 132.94        | 452.6             |              | 80.70                      |
| 9    | 487       | 72.55         | 225.9             |              | 83.03                      |
| 10   | 532       | 161.24        | 459.5             |              | 85.31                      |
| 11   | 620       | 117.37        | 286.7             |              | 89.20                      |
| 12   | 3,670     | 317.58        | 131.1             |              | 105.27                     |
| 13   | 6,875     | 5.82          | 1.3               |              | 109.50                     |
| 14   | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |
| 15   | 11,900    | 0.00          | 0.0               |              | 114.50                     |

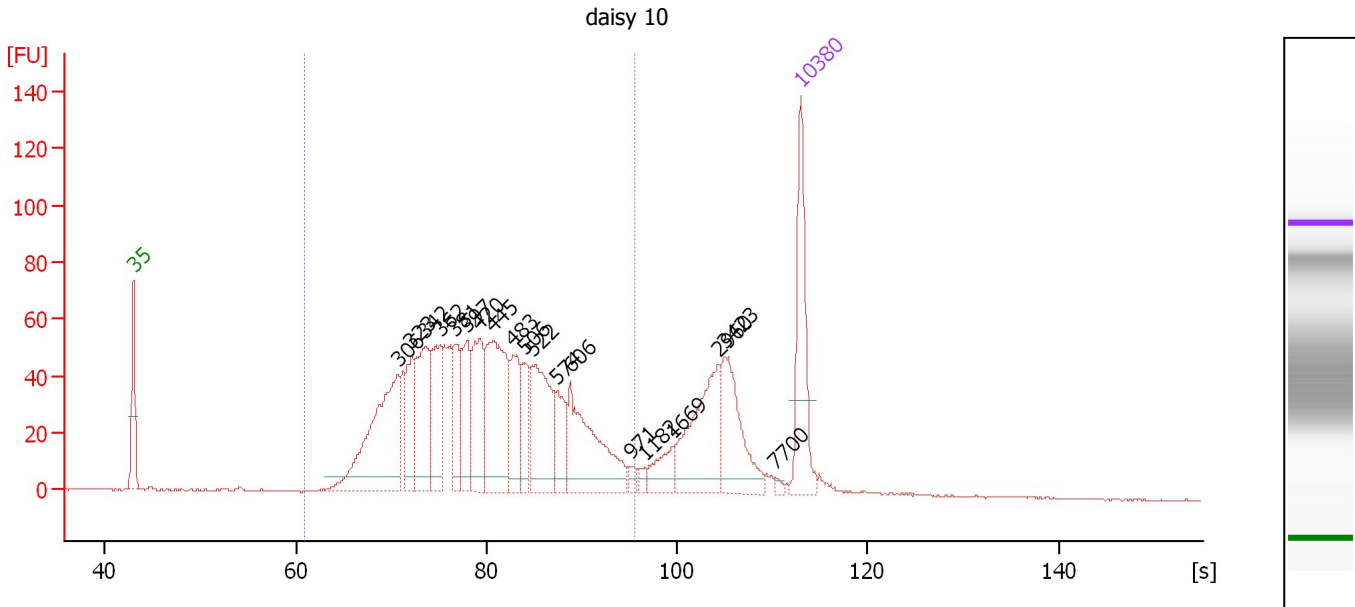
**Region table for sample 6 : daisy 8**

| From [s] | To [s] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] |
|----------|--------|-------------------|---------------|------------|-------------------|-------------------|-----------------------------|
| 60.90    | 96.71  | 465               | 1,290.66      | 1,310.4    | 4,808.9           | 72                | 34.1                        |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-04\2019-09-04\_001.xad

Created: 9/4/2019 1:20:28 PM  
 Modified: 9/4/2019 2:02:22 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : daisy 10**

Number of peaks found: 19                      Corr. Area 1: 1,403.9  
 Noise: 0.3

**Peak table for sample 7 : daisy 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    | 306       | 186.30        | 922.2             |              | 70.76                      |
| 3    | 323       | 58.00         | 271.9             |              | 72.12                      |
| 4    | 342       | 94.27         | 417.9             |              | 73.58                      |
| 5    | 362       | 82.96         | 347.4             |              | 75.16                      |
| 6    | 381       | 54.66         | 217.3             |              | 76.68                      |
| 7    | 397       | 58.88         | 224.4             |              | 77.97                      |
| 8    | 420       | 77.35         | 279.3             |              | 79.27                      |
| 9    | 445       | 136.04        | 463.5             |              | 80.67                      |
| 10   | 483       | 56.05         | 175.9             |              | 82.81                      |
| 11   | 506       | 39.98         | 119.8             |              | 84.05                      |
| 12   | 522       | 102.01        | 296.1             |              | 84.84                      |
| 13   | 574       | 40.40         | 106.6             |              | 87.38                      |
| 14   | 606       | 107.14        | 268.0             |              | 88.78                      |
| 15   | 971       | 6.11          | 9.5               |              | 95.15                      |
| 16   | 1,182     | 5.18          | 6.6               |              | 96.61                      |
| 17   | 1,669     | 23.65         | 21.5              |              | 99.48                      |
| 18   | 2,960     | 88.02         | 45.1              |              | 104.27                     |
| 19   | 3,423     | 68.40         | 30.3              |              | 104.95                     |
| 20   | 7,700     | 2.46          | 0.5               |              | 110.35                     |
| 21   | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

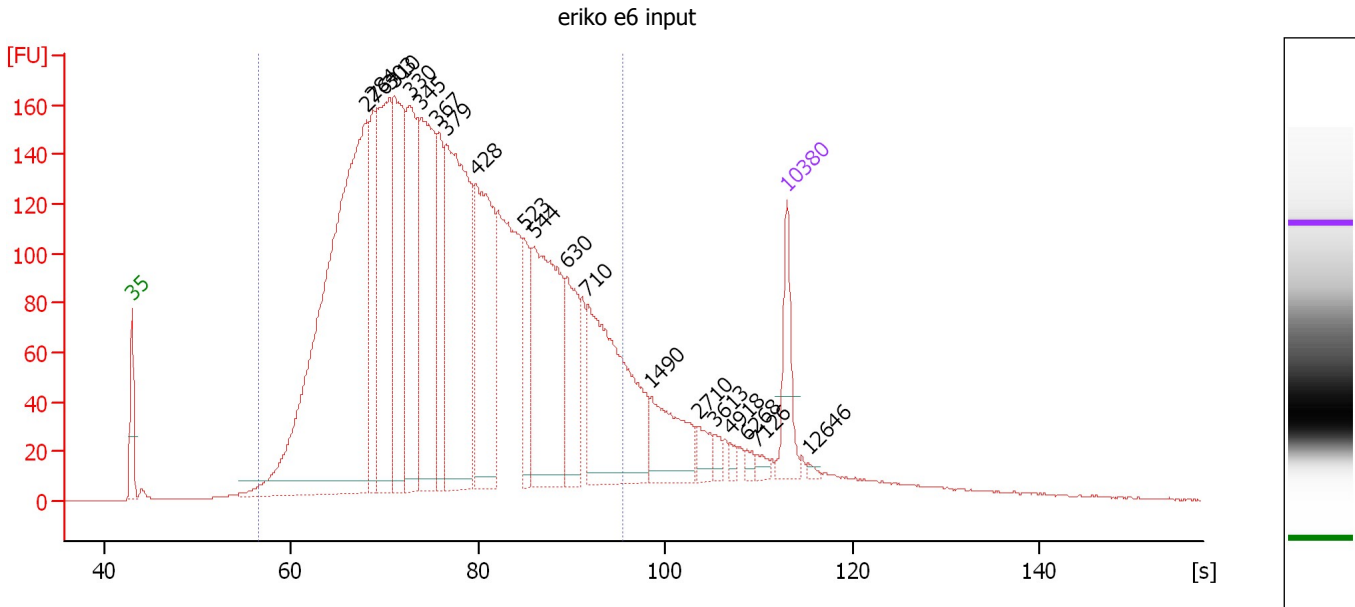
**Region table for sample 7 : daisy 10**

| From [s] | To [s] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|----------|--------|-------------------|---------------|------------|-------------------|-------------------|-----------------------------|
| 60.90    | 95.54  | 447               | 1,209.25      | 1,403.9    | 4,612.0           | 80                | 30.8                        |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-04\2019-09-04\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : eriko e6 input**

Number of peaks found: 20                      Corr. Area 1: 5,274.5  
 Noise: 0.2

**Peak table for sample 8 : eriko e6 input**


| 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    | 276       | 1,437.15      | 7,876.7           |              | 68.07                      |
| 3    | 284       | 198.80        | 1,061.4           |              | 68.76                      |
| 4    | 303       | 449.10        | 2,243.8           |              | 70.54                      |
| 5    | 310       | 354.63        | 1,734.4           |              | 71.06                      |
| 6    | 330       | 330.29        | 1,515.7           |              | 72.66                      |
| 7    | 345       | 423.10        | 1,855.7           |              | 73.87                      |
| 8    | 367       | 176.34        | 727.4             |              | 75.59                      |
| 9    | 379       | 562.91        | 2,250.8           |              | 76.51                      |
| 10   | 428       | 363.56        | 1,288.1           |              | 79.72                      |
| 11   | 523       | 95.12         | 275.7             |              | 84.89                      |
| 12   | 544       | 377.49        | 1,051.1           |              | 85.92                      |
| 13   | 630       | 138.59        | 333.6             |              | 89.48                      |
| 14   | 710       | 386.21        | 824.1             |              | 91.66                      |
| 15   | 1,490     | 113.30        | 115.2             |              | 98.43                      |
| 16   | 2,710     | 28.52         | 15.9              |              | 103.53                     |
| 17   | 3,613     | 13.76         | 5.8               |              | 105.20                     |
| 18   | 4,918     | 10.40         | 3.2               |              | 106.92                     |
| 19   | 6,268     | 9.14          | 2.2               |              | 108.70                     |
| 20   | 7,126     | 10.47         | 2.2               |              | 109.79                     |
| 21   | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |
| 22   | 12,646    | 0.00          | 0.0               |              | 115.24                     |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-04\2019-09-04\_001.xad

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**Electropherogram Summary Continued ...**

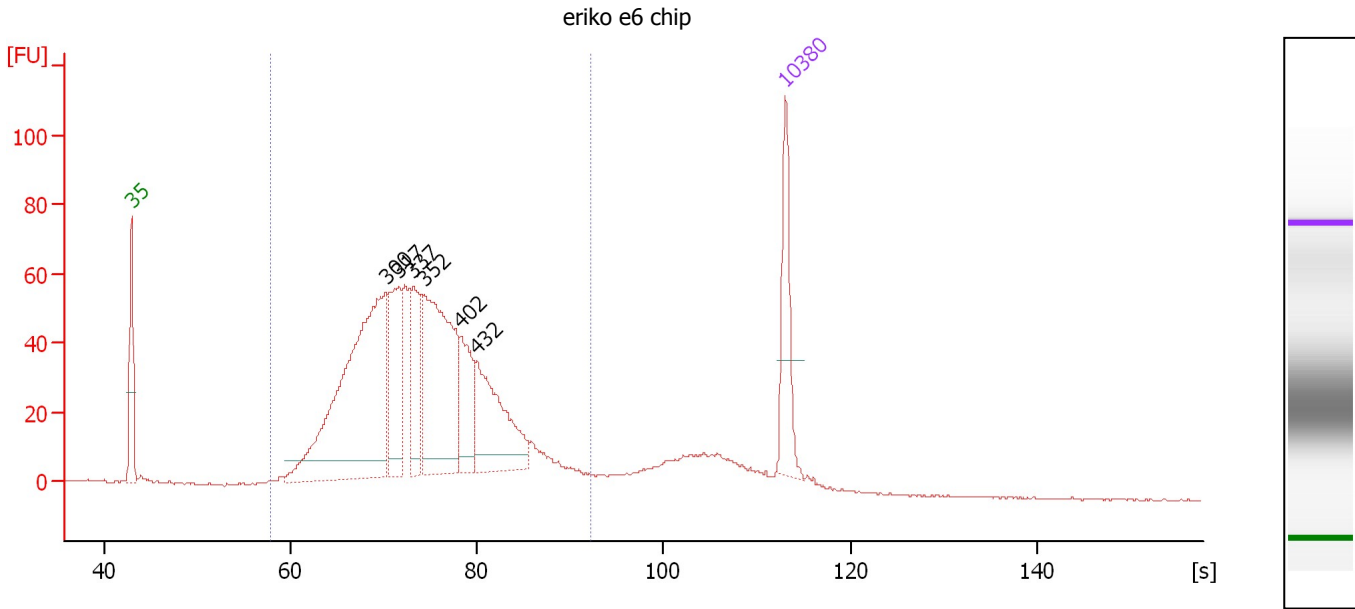
... Region table for sample 8 : eriko e6 input

| From [s] | To [s] | Average Size [bp] | Conc. [pg/ $\mu$ l] | Corr. Area | Molarity [pmol/l] | Co % of lor Total  | Size distribution in CV [%] |
|----------|--------|-------------------|---------------------|------------|-------------------|--|-----------------------------|
| 56.47    | 95.54  | 414               | 5,952.41            | 5,274.5    | 26,554.2          |  89 | 40.4                        |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-04\2019-09-04\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : eriko e6 chip**

Number of peaks found: 6                      Corr. Area 1: 1,317.6  
 Noise: 0.3

**Peak table for sample 9 : eriko e6 chip**

| 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       | 507.23        | 2,563.6           |              | 70.26                      |
| 3    | 317       | 121.45        | 581.3             |              | 71.59                      |
| 4    | 337       | 104.73        | 470.9             |              | 73.20                      |
| 5    | 352       | 280.59        | 1,209.4           |              | 74.35                      |
| 6    | 402       | 81.92         | 309.1             |              | 78.26                      |
| 7    | 432       | 152.08        | 533.0             |              | 79.98                      |
| 8    | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |

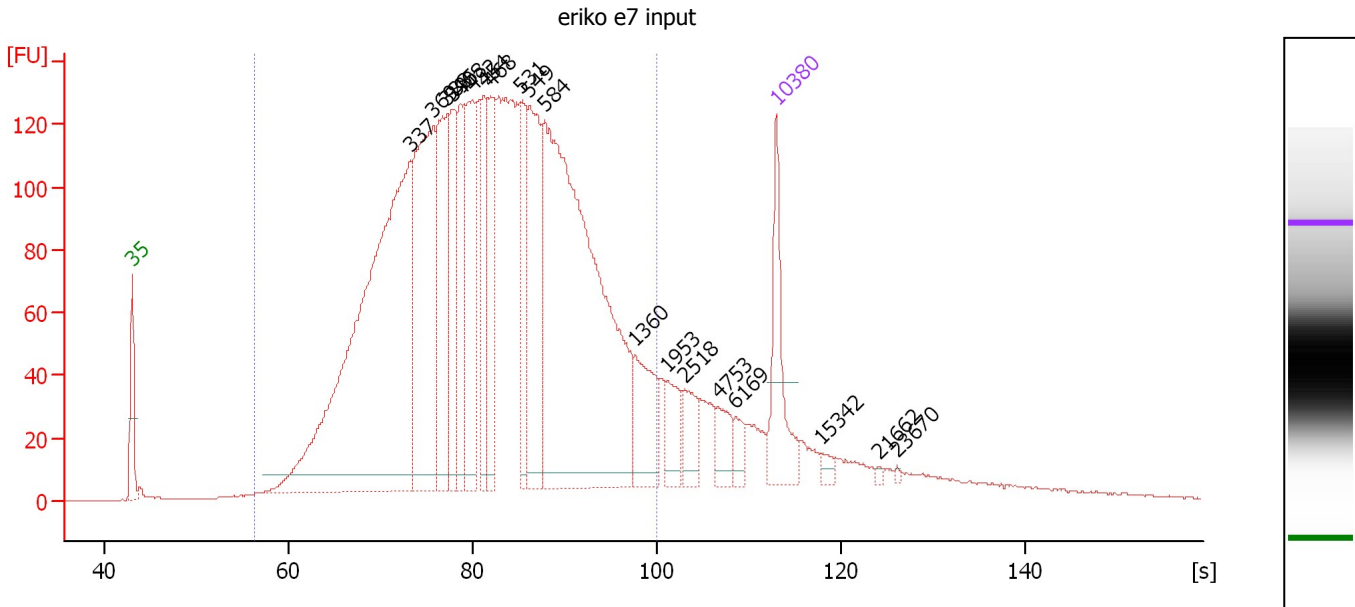
**Region table for sample 9 : eriko e6 chip**

| From [s] | To [s] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|----------|--------|-------------------|---------------|------------|-------------------|-------------------|-----------------------------|
| 57.92    | 92.16  | 358               | 1,595.79      | 1,317.6    | 7,401.1           | 89                | 26.5                        |

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-04\2019-09-04\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : eriko e7 input**

Number of peaks found: 19      Corr. Area 1: 4,161.8  
 Noise: 0.2

**Peak table for sample 10 : eriko e7 input**

| 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    | 337       | 853.40        | 3,834.7           |              | 73.22                      |
| 3    | 369       | 330.67        | 1,357.7           |              | 75.73                      |
| 4    | 388       | 183.23        | 715.1             |              | 77.24                      |
| 5    | 395       | 115.31        | 442.4             |              | 77.77                      |
| 6    | 408       | 99.27         | 368.3             |              | 78.64                      |
| 7    | 432       | 159.41        | 558.7             |              | 79.98                      |
| 8    | 454       | 98.15         | 327.4             |              | 81.21                      |
| 9    | 468       | 112.17        | 363.4             |              | 81.97                      |
| 10   | 531       | 89.16         | 254.3             |              | 85.29                      |
| 11   | 549       | 175.03        | 482.8             |              | 86.17                      |
| 12   | 584       | 702.40        | 1,821.4           |              | 87.86                      |
| 13   | 1,360     | 72.24         | 80.5              |              | 97.66                      |
| 14   | 1,953     | 31.80         | 24.7              |              | 101.16                     |
| 15   | 2,518     | 33.67         | 20.3              |              | 102.97                     |
| 16   | 4,753     | 27.41         | 8.7               |              | 106.70                     |
| 17   | 6,169     | 16.70         | 4.1               |              | 108.57                     |
| 18   | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |
| 19   | 15,342    | 0.00          | 0.0               |              | 117.90                     |
| 20   | 21,662    | 0.00          | 0.0               |              | 124.14                     |
| 21   | 23,670    | 0.00          | 0.0               |              | 126.13                     |

**Region table for sample 10 : eriko e7 input**

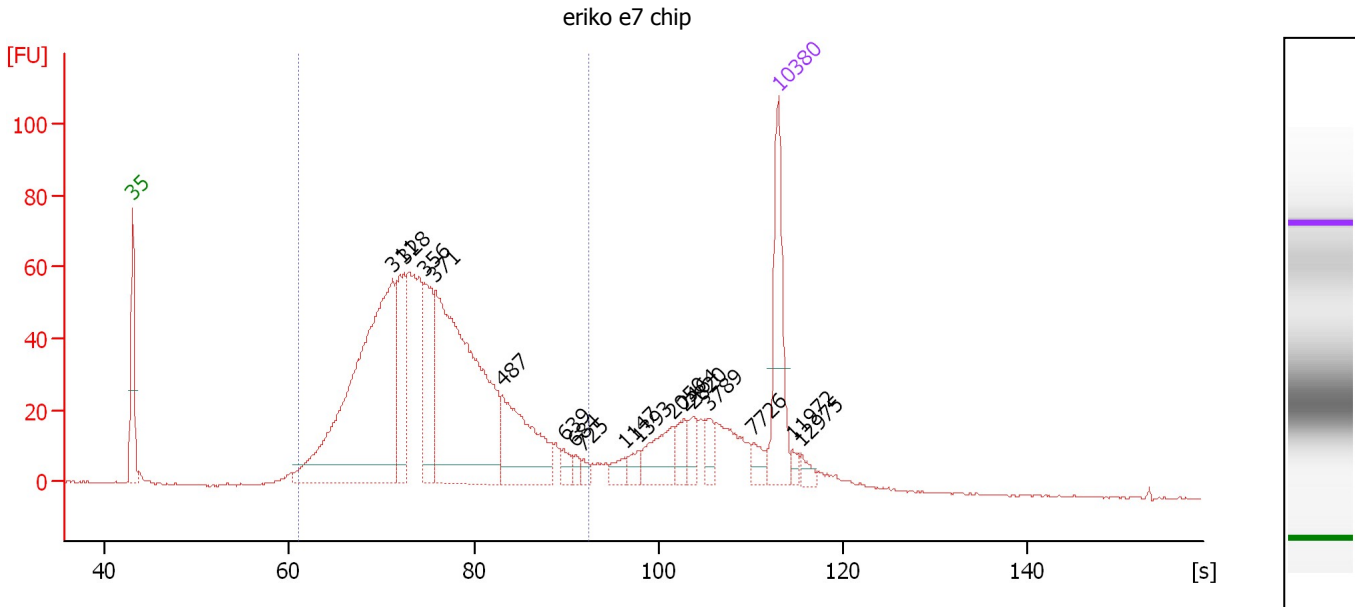
| From [s] | To [s] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of Total | Size distribution in CV [%] |
|----------|--------|-------------------|---------------|------------|-------------------|---------------|-----------------------------|
| 56.23    | 99.93  | 523               | 3,620.60      | 4,161.8    | 13,469.9          | 88            | 51.1                        |



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-04\2019-09-04\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : eriko e7 chip**

Number of peaks found: 17      Corr. Area 1: 1,271.7  
 Noise: 0.3

**Peak table for sample 11 : eriko e7 chip**

| 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       | 448.91        | 2,183.9           |              | 71.19                      |
| 3    | 328       | 87.83         | 406.1             |              | 72.47                      |
| 4    | 356       | 87.26         | 371.6             |              | 74.68                      |
| 5    | 371       | 364.77        | 1,491.6           |              | 75.85                      |
| 6    | 487       | 113.17        | 351.9             |              | 83.07                      |
| 7    | 639       | 10.76         | 25.5              |              | 89.76                      |
| 8    | 684       | 6.23          | 13.8              |              | 91.04                      |
| 9    | 725       | 6.57          | 13.7              |              | 91.86                      |
| 10   | 1,147     | 10.13         | 13.4              |              | 96.40                      |
| 11   | 1,393     | 9.13          | 9.9               |              | 97.86                      |
| 12   | 2,050     | 34.31         | 25.4              |              | 101.59                     |
| 13   | 2,464     | 14.98         | 9.2               |              | 102.81                     |
| 14   | 2,820     | 14.25         | 7.7               |              | 103.86                     |
| 15   | 3,789     | 13.19         | 5.3               |              | 105.43                     |
| 16   | 7,726     | 11.98         | 2.3               |              | 110.38                     |
| 17   | 10,380    | 75.00         | 10.9              | Upper Marker | 113.00                     |
| 18   | 11,972    | 0.00          | 0.0               |              | 114.57                     |
| 19   | 12,975    | 0.00          | 0.0               |              | 115.56                     |

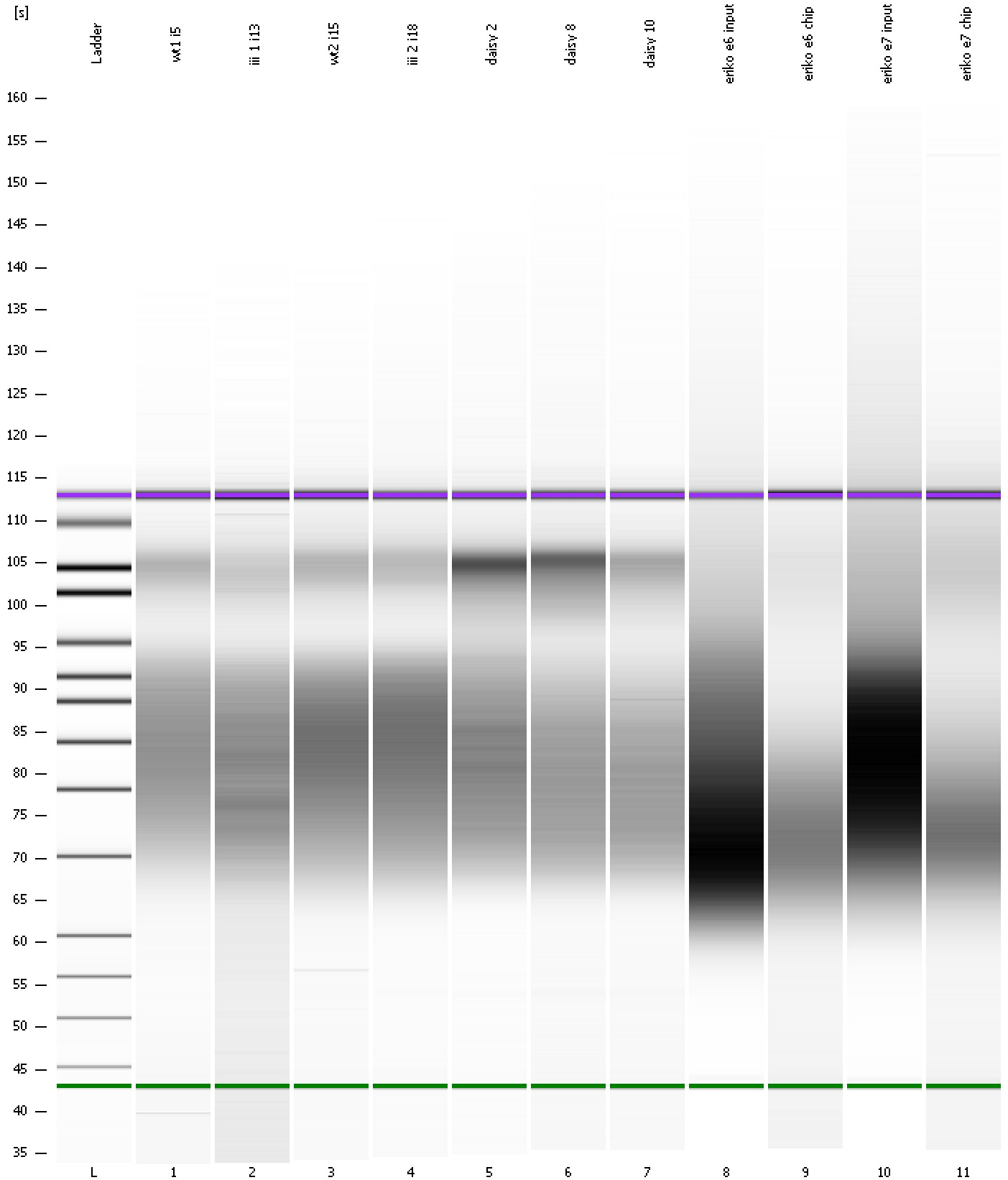
**Region table for sample 11 : eriko e7 chip**

| From [s] | To [s] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|----------|--------|-------------------|---------------|------------|-------------------|-------------------|-----------------------------|
| 60.90    | 92.43  | 376               | 1,342.89      | 1,271.7    | 5,926.1           | 79                | 27.2                        |

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-04\2019-09-04\_001.xad

Created: 9/4/2019 1:20:28 PM  
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**Gel Image**

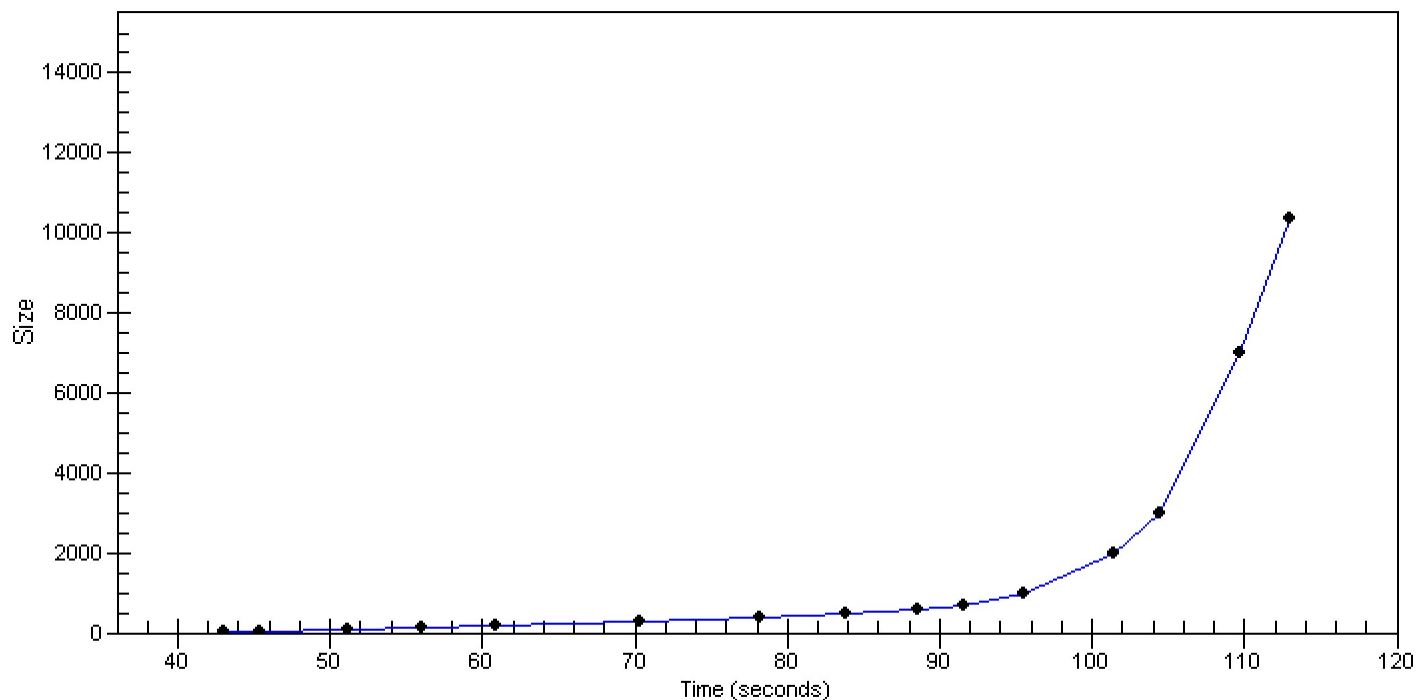


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-04\2019-09-04\_001.xad

Created: 9/4/2019 1:20:28 PM  
Modified: 9/4/2019 2:02:22 PM

**Curves**

**Standard Curve**



Assay Class: High Sensitivity DNA Assay Created: 9/4/2019 1:20:28 PM  
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-09-04\2019-09-04\_001.xad Modified: 9/4/2019 2:02:22 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      |              | 9/4/2019 2:01:46 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-09-04\2019-09-04_001.xad) |        | Instrument | Run      |              | 9/4/2019 1:20:33 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938C  |        | Instrument | Run      |              | 9/4/2019 1:20:33 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name :   |        | Instrument | Run      |              | 9/4/2019 1:20:33 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies  |        | Instrument | Run      |              | 9/4/2019 1:20:33 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE34903152   |        | Instrument | Run      |              | 9/4/2019 1:20:33 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069  |        | Instrument | Run      |              | 9/4/2019 1:20:33 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode  |        | Instrument | Run      |              | 9/4/2019 1:20:33 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |