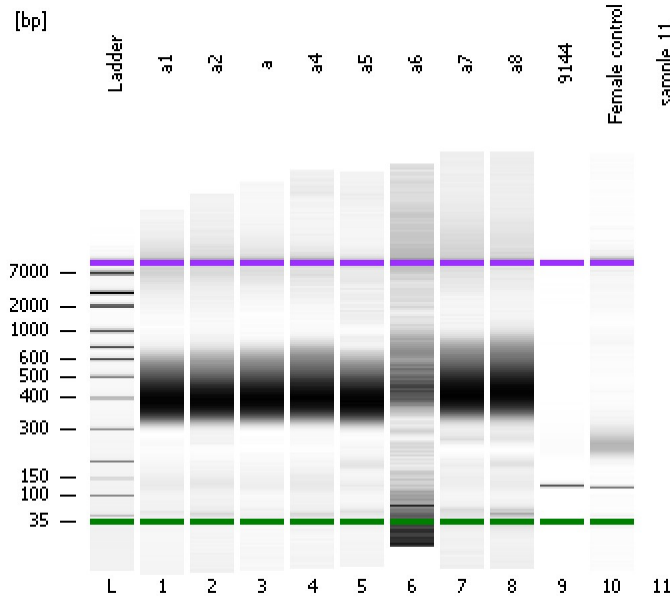


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...0 expert\data\2017-03-07\2017-03-07_006_170307alphaATAC.xad

Created: 3/7/2017 4:17:56 PM
Modified: 3/8/2017 12:38:15 PM

Electrophoresis File Run Summary



Instrument Information:

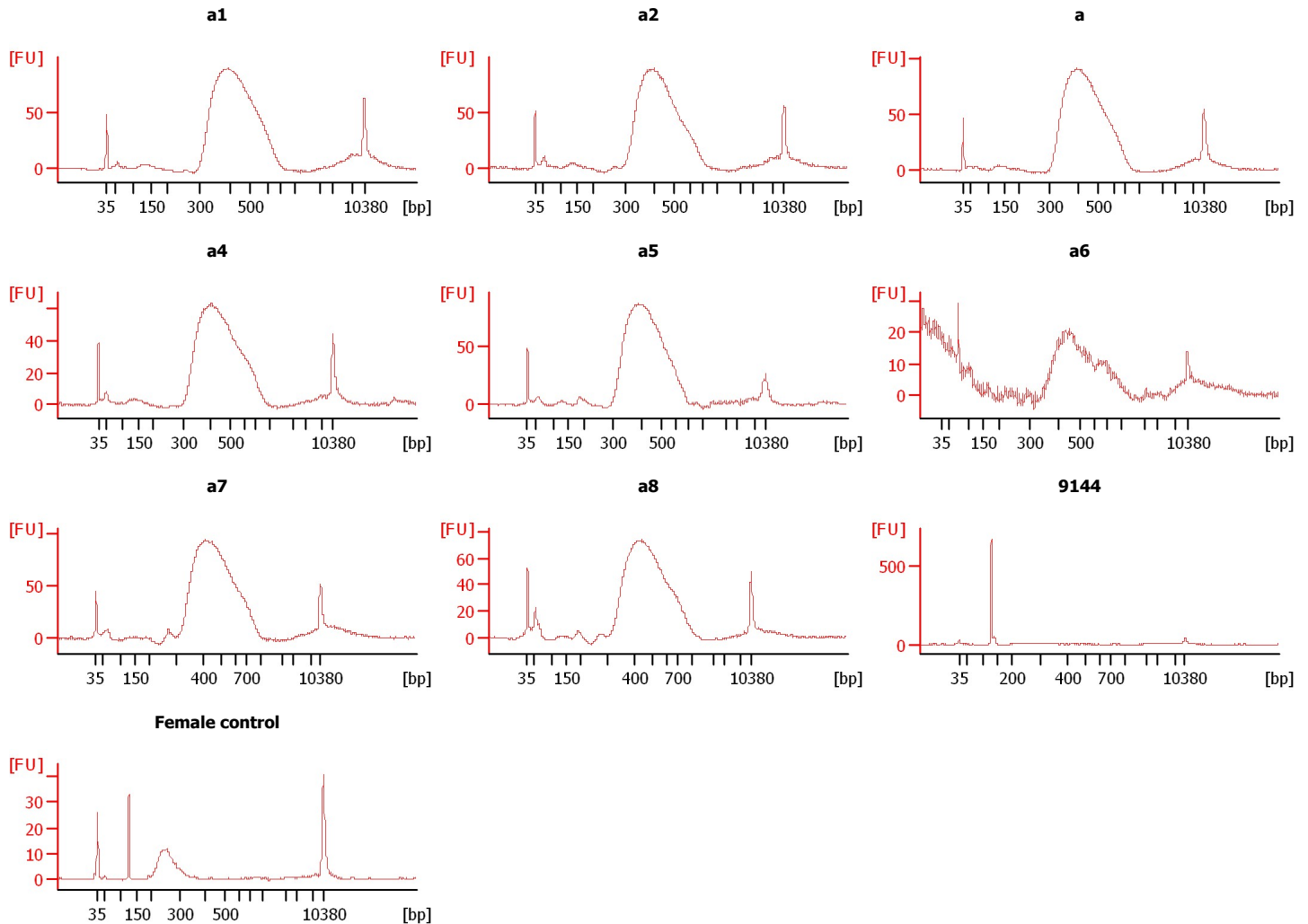
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...0 expert\data\2017-03-07\2017-03-07_006_170307alphaATAC.xad

Created: 3/7/2017 4:17:56 PM
 Modified: 3/8/2017 12:38:15 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|----------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| a1 | | <input type="checkbox"/> | ✓ | | | |
| a2 | | <input type="checkbox"/> | ✓ | | | |
| a | | <input type="checkbox"/> | ✓ | | | |
| a4 | | <input type="checkbox"/> | ✓ | | | |
| a5 | | <input type="checkbox"/> | ✓ | | | |
| a6 | | <input type="checkbox"/> | ✓ | | | |
| a7 | | <input type="checkbox"/> | ✓ | | | |
| a8 | | <input type="checkbox"/> | ✓ | | | |
| 9144 | | <input type="checkbox"/> | ✓ | | | |
| Female control | | <input type="checkbox"/> | ✓ | | | |
| sample 11 | | <input type="checkbox"/> | ✓ | | | |
| Ladder | | <input type="checkbox"/> | ✓ | | | |

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...0 expert\data\2017-03-07\2017-03-07_006_170307alphaATAC.xad

Created: 3/7/2017 4:17:56 PM
Modified: 3/8/2017 12:38:15 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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

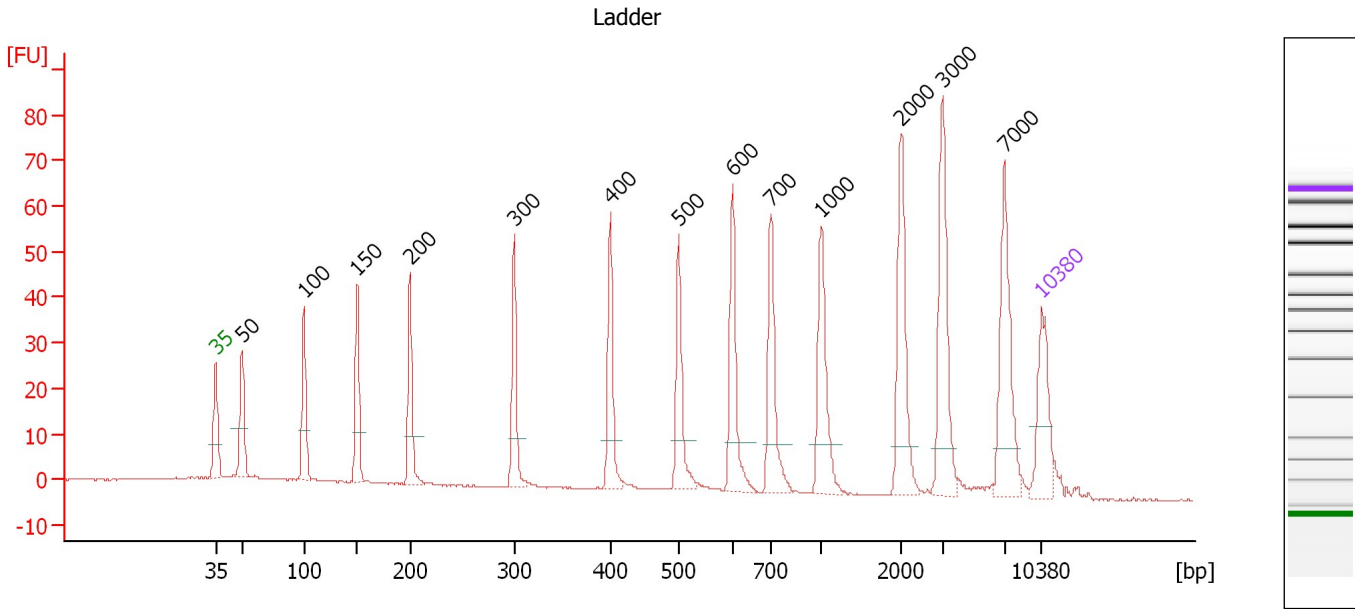
Ladder

| 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:\...0 expert\data\2017-03-07\2017-03-07_006_170307alphaATAC.xad

Created: 3/7/2017 4:17:56 PM
 Modified: 3/8/2017 12:38:15 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

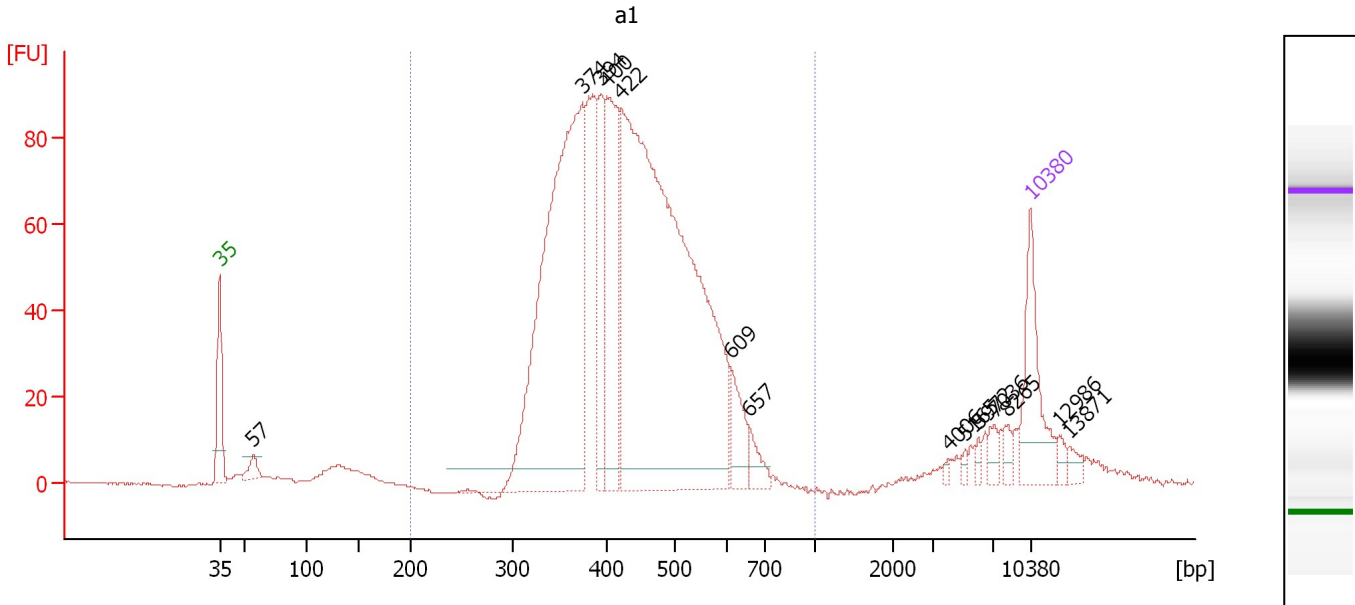
Peak table for Ladder

| 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 | 45.21 |
| 3 | 100 | 150.00 | 2,272.7 | Ladder Peak | 50.46 |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak | 54.98 |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak | 59.45 |
| 6 | 300 | 150.00 | 757.6 | Ladder Peak | 68.31 |
| 7 | 400 | 150.00 | 568.2 | Ladder Peak | 76.44 |
| 8 | 500 | 150.00 | 454.5 | Ladder Peak | 82.23 |
| 9 | 600 | 150.00 | 378.8 | Ladder Peak | 86.79 |
| 10 | 700 | 150.00 | 324.7 | Ladder Peak | 90.04 |
| 11 | 1,000 | 150.00 | 227.3 | Ladder Peak | 94.34 |
| 12 | 2,000 | 150.00 | 113.6 | Ladder Peak | 101.11 |
| 13 | 3,000 | 150.00 | 75.8 | Ladder Peak | 104.59 |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak | 109.84 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...0 expert\data\2017-03-07\2017-03-07_006_170307alphaATAC.xad

Created: 3/7/2017 4:17:56 PM
 Modified: 3/8/2017 12:38:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : a1

Number of peaks found: 14 Corr. Area 1: 1,562.1
 Noise: 0.2

Peak table for sample 1 : a1

| 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 | 57 | 20.82 | 558.0 | | 45.90 |
| 3 | 374 | 675.17 | 2,733.9 | | 74.34 |
| 4 | 394 | 98.58 | 379.1 | | 75.95 |
| 5 | 400 | 198.93 | 753.0 | | 76.46 |
| 6 | 422 | 1,014.22 | 3,643.4 | | 77.70 |
| 7 | 609 | 46.60 | 115.9 | | 87.09 |
| 8 | 657 | 23.58 | 54.3 | | 88.65 |
| 9 | 4,006 | 3.60 | 1.4 | | 105.91 |
| 10 | 5,165 | 4.54 | 1.3 | | 107.43 |
| 11 | 5,972 | 5.65 | 1.4 | | 108.49 |
| 12 | 7,036 | 11.84 | 2.5 | | 109.87 |
| 13 | 8,265 | 10.44 | 1.9 | | 111.02 |
| 14 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 15 | 12,986 | 0.00 | 0.0 | | 115.44 |
| 16 | 13,871 | 0.00 | 0.0 | | 116.27 |

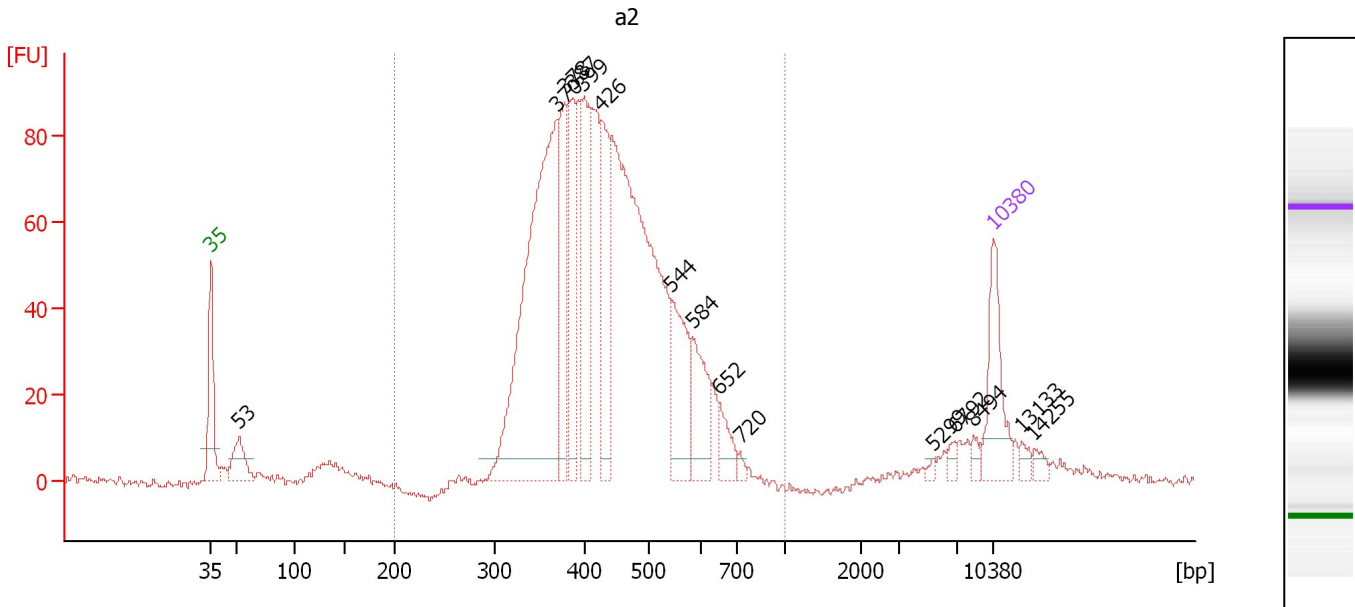
Region table for sample 1 : a1

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,000 | 436 | 1,562.1 | 7,784.9 | 2,146.10 | 92 | 18.9 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...0 expert\data\2017-03-07\2017-03-07_006_170307alphaATAC.xad

Created: 3/7/2017 4:17:56 PM
 Modified: 3/8/2017 12:38:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : a2

Number of peaks found: 15 Corr. Area 1: 1,457.3
 Noise: 0.8

Peak table for sample 2 : a2

| 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 | 53 | 61.87 | 1,768.8 | | 45.53 |
| 3 | 370 | 595.91 | 2,442.9 | | 73.97 |
| 4 | 378 | 142.36 | 570.0 | | 74.68 |
| 5 | 387 | 134.40 | 526.7 | | 75.35 |
| 6 | 399 | 155.99 | 592.5 | | 76.35 |
| 7 | 426 | 142.11 | 505.8 | | 77.93 |
| 8 | 544 | 119.50 | 332.9 | | 84.23 |
| 9 | 584 | 85.38 | 221.7 | | 86.04 |
| 10 | 652 | 33.48 | 77.8 | | 88.47 |
| 11 | 720 | 6.92 | 14.6 | | 90.33 |
| 12 | 5,299 | 4.06 | 1.2 | | 107.61 |
| 13 | 6,792 | 8.35 | 1.9 | | 109.56 |
| 14 | 8,494 | 8.37 | 1.5 | | 111.23 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 16 | 13,133 | 0.00 | 0.0 | | 115.58 |
| 17 | 14,255 | 0.00 | 0.0 | | 116.63 |

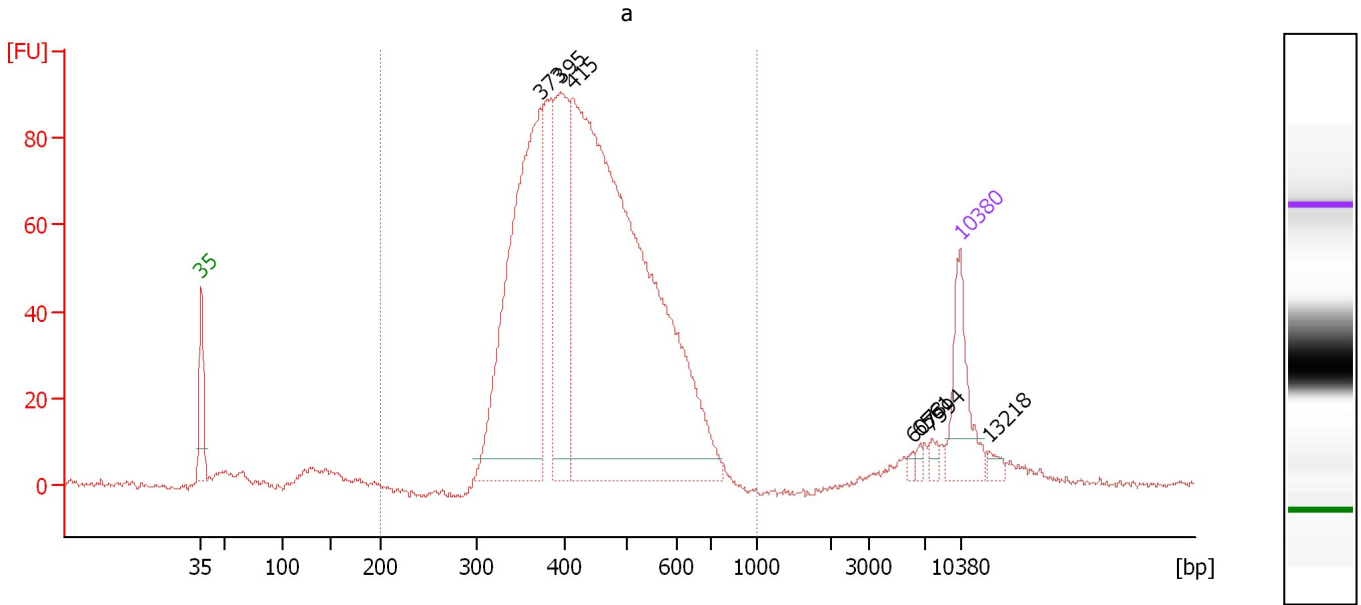
Region table for sample 2 : a2

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|------------------|------------|-----------------------------|
| 200 | 1,000 | 440 | 1,457.3 | 8,486.0 | 2,352.17 | 93 | 19.5 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...0 expert\data\2017-03-07\2017-03-07_006_170307alphaATAC.xad

Created: 3/7/2017 4:17:56 PM
 Modified: 3/8/2017 12:38:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : a

Number of peaks found: 7 Corr. Area 1: 1,553.8
 Noise: 0.8

Peak table for sample 3 : a

| 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 | 373 | 596.92 | 2,425.4 | | 74.24 |
| 3 | 395 | 264.95 | 1,015.6 | | 76.06 |
| 4 | 415 | 1,290.29 | 4,715.1 | | 77.29 |
| 5 | 6,073 | 4.44 | 1.1 | | 108.62 |
| 6 | 6,561 | 5.25 | 1.2 | | 109.26 |
| 7 | 7,594 | 9.26 | 1.8 | | 110.39 |
| 8 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 9 | 13,218 | 0.00 | 0.0 | | 115.66 |

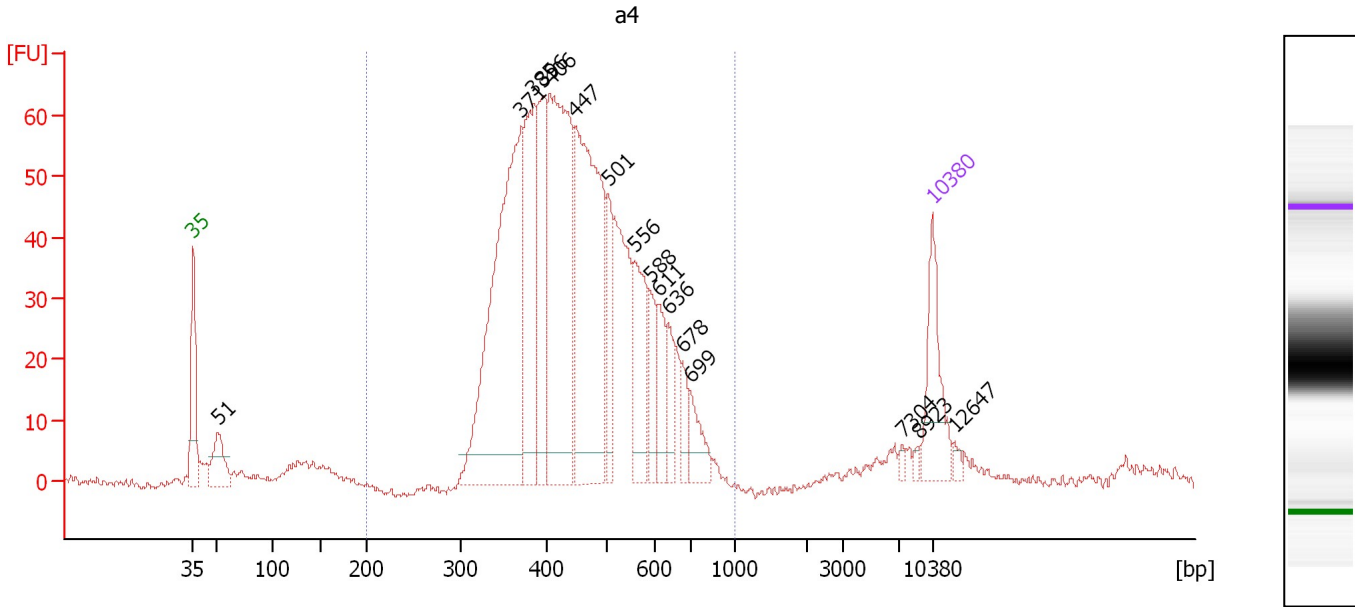
Region table for sample 3 : a

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,000 | 447 | 1,553.8 | 8,100.2 | 2,273.51 | 95 | 20.1 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...0 expert\data\2017-03-07\2017-03-07_006_170307alphaATAC.xad

Created: 3/7/2017 4:17:56 PM
 Modified: 3/8/2017 12:38:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : a4

Number of peaks found: 16 Corr. Area 1: 1,119.4
 Noise: 0.6

Peak table for sample 4 : a4

| 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 | 51 | 71.01 | 2,107.9 | | 45.32 |
| 3 | 371 | 509.72 | 2,083.2 | | 74.06 |
| 4 | 385 | 200.81 | 790.2 | | 75.22 |
| 5 | 396 | 161.29 | 617.8 | | 76.08 |
| 6 | 406 | 409.42 | 1,527.9 | | 76.79 |
| 7 | 447 | 406.03 | 1,376.2 | | 79.16 |
| 8 | 501 | 73.71 | 222.7 | | 82.29 |
| 9 | 556 | 114.41 | 312.0 | | 84.77 |
| 10 | 588 | 43.11 | 111.1 | | 86.23 |
| 11 | 611 | 53.95 | 133.8 | | 87.14 |
| 12 | 636 | 34.75 | 82.8 | | 87.95 |
| 13 | 678 | 33.06 | 73.9 | | 89.31 |
| 14 | 699 | 41.88 | 90.7 | | 90.02 |
| 15 | 7,304 | 5.27 | 1.1 | | 110.12 |
| 16 | 8,923 | 4.60 | 0.8 | | 111.64 |
| 17 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 18 | 12,647 | 0.00 | 0.0 | | 115.12 |

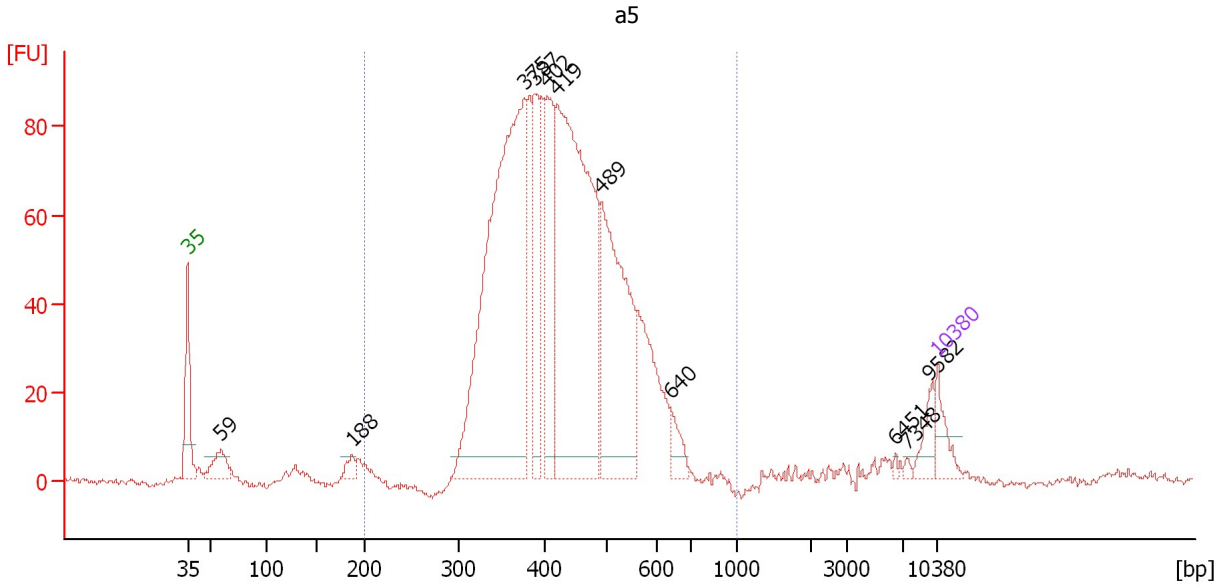
Region table for sample 4 : a4

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|------------------|------------|-----------------------------|
| 200 | 1,000 | 461 | 1,119.4 | 8,047.9 | 2,310.46 | 92 | 22.0 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...0 expert\data\2017-03-07\2017-03-07_006_170307alphaATAC.xad

Created: 3/7/2017 4:17:56 PM
 Modified: 3/8/2017 12:38:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : a5

Number of peaks found: 11 Corr. Area 1: 1,506.7
 Noise: 0.9

Peak table for sample 5 : a5

| 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 | 59 | 121.51 | 3,131.2 | | 46.14 |
| 3 | 188 | 45.01 | 362.6 | | 58.38 |
| 4 | 375 | 1,991.66 | 8,045.0 | | 74.42 |
| 5 | 387 | 361.54 | 1,414.2 | | 75.41 |
| 6 | 402 | 439.73 | 1,657.4 | | 76.56 |
| 7 | 419 | 1,672.91 | 6,046.4 | | 77.55 |
| 8 | 489 | 844.63 | 2,617.5 | | 81.58 |
| 9 | 640 | 76.74 | 181.5 | | 88.11 |
| 10 | 6,451 | 8.21 | 1.9 | | 109.12 |
| 11 | 7,348 | 9.13 | 1.9 | | 110.16 |
| 12 | 9,582 | 61.50 | 9.7 | | 112.25 |
| 13 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

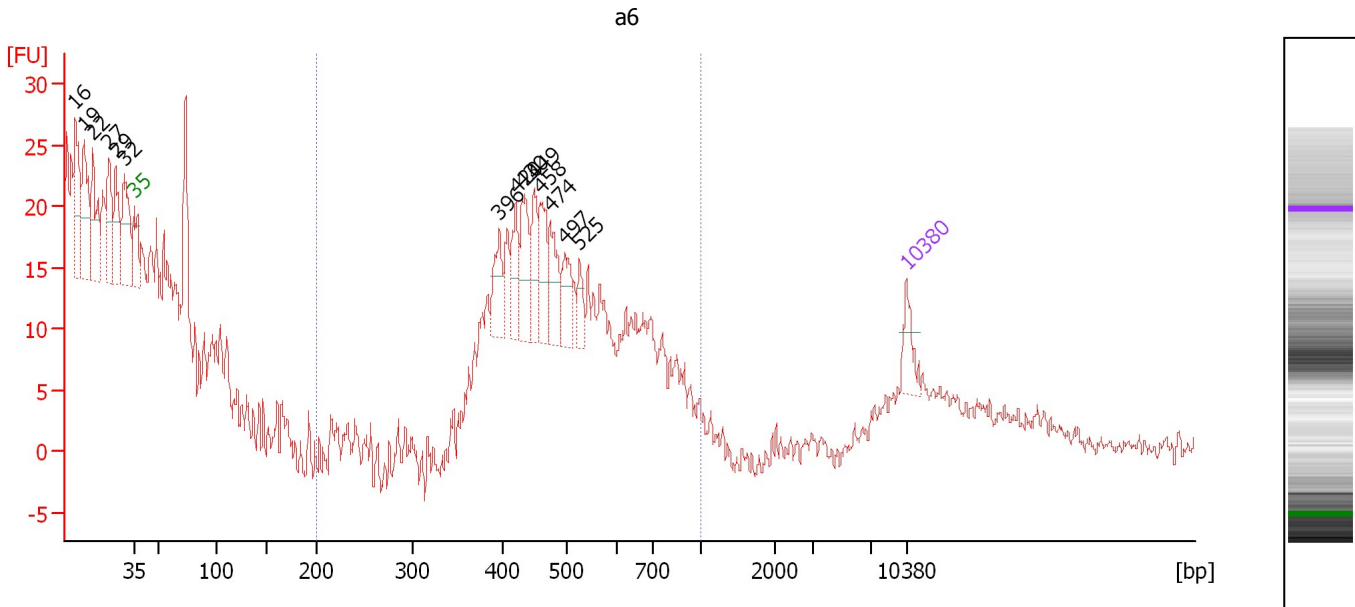
Region table for sample 5 : a5

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,000 | 433 | 1,506.7 | 23,341.7 | 6,371.50 | 93 | 19.2 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...0 expert\data\2017-03-07\2017-03-07_006_170307alphaATAC.xad

Created: 3/7/2017 4:17:56 PM
 Modified: 3/8/2017 12:38:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : a6

Number of peaks found: 14 Corr. Area 1: 28.2
 Noise: 1.0

Peak table for sample 6 : a6

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 16 | 0.00 | 0.0 | | 37.59 |
| 2 | 19 | 0.00 | 0.0 | | 38.46 |
| 3 | 22 | 0.00 | 0.0 | | 39.23 |
| 4 | 27 | 0.00 | 0.0 | | 40.73 |
| 5 | 29 | 0.00 | 0.0 | | 41.31 |
| 6 | 32 | 0.00 | 0.0 | | 42.13 |
| 7 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 8 | 396 | 139.92 | 535.4 | | 76.11 |
| 9 | 420 | 132.34 | 477.1 | | 77.61 |
| 10 | 430 | 183.53 | 646.2 | | 78.19 |
| 11 | 449 | 143.75 | 485.4 | | 79.26 |
| 12 | 458 | 165.08 | 546.3 | | 79.79 |
| 13 | 474 | 148.49 | 474.9 | | 80.71 |
| 14 | 497 | 117.54 | 358.2 | | 82.06 |
| 15 | 525 | 66.69 | 192.5 | | 83.37 |
| 16 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

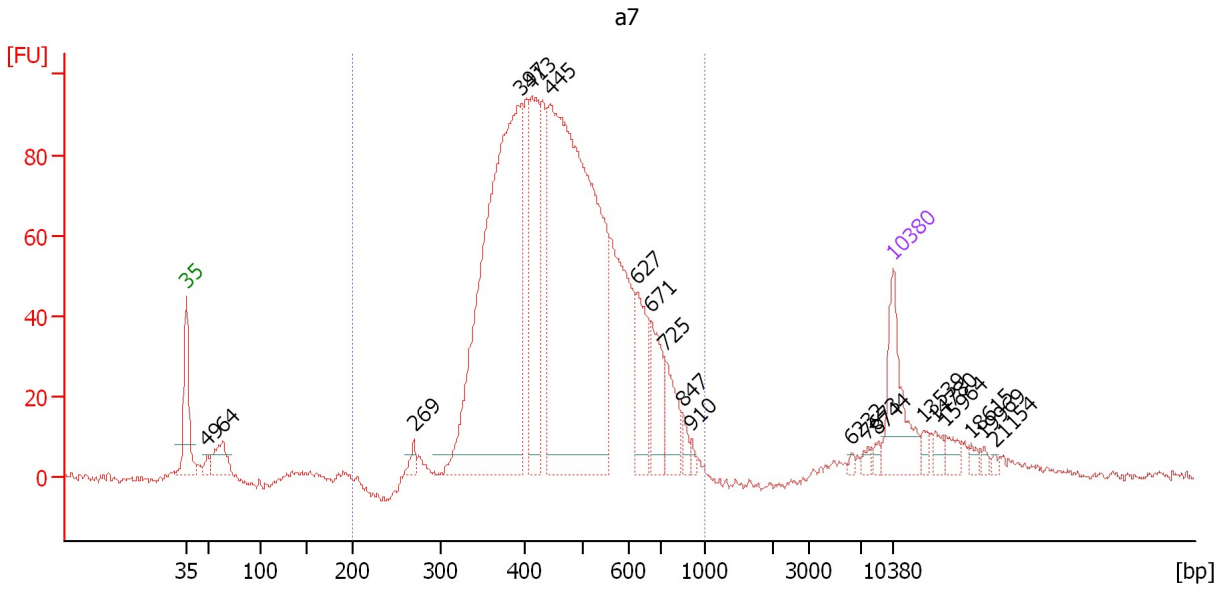
Region table for sample 6 : a6

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,000 | 450 | 28.2 | 1,261.3 | 373.97 | 85 | 6.4 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...0 expert\data\2017-03-07\2017-03-07_006_170307alphaATAC.xad

Created: 3/7/2017 4:17:56 PM
 Modified: 3/8/2017 12:38:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : a7

Number of peaks found: 20 Corr. Area 1: 1,738.7
 Noise: 1.0

Peak table for sample 7 : a7


| 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 | 49 | 12.70 | 390.3 | | 45.11 |
| 3 | 64 | 51.75 | 1,232.5 | | 46.64 |
| 4 | 269 | 13.80 | 77.6 | | 65.59 |
| 5 | 397 | 751.97 | 2,869.2 | | 76.21 |
| 6 | 413 | 178.64 | 654.9 | | 77.21 |
| 7 | 445 | 859.91 | 2,926.5 | | 79.06 |
| 8 | 627 | 79.32 | 191.7 | | 87.66 |
| 9 | 671 | 72.33 | 163.4 | | 89.09 |
| 10 | 725 | 56.45 | 117.9 | | 90.41 |
| 11 | 847 | 13.27 | 23.7 | | 92.15 |
| 12 | 910 | 6.31 | 10.5 | | 93.05 |
| 13 | 6,232 | 3.43 | 0.8 | | 108.83 |
| 14 | 7,673 | 6.32 | 1.2 | | 110.47 |
| 15 | 8,744 | 5.94 | 1.0 | | 111.47 |
| 16 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 17 | 13,539 | 0.00 | 0.0 | | 115.96 |
| 18 | 14,780 | 0.00 | 0.0 | | 117.12 |
| 19 | 15,964 | 0.00 | 0.0 | | 118.23 |
| 20 | 18,615 | 0.00 | 0.0 | | 120.71 |
| 21 | 19,969 | 0.00 | 0.0 | | 121.97 |
| 22 | 21,154 | 0.00 | 0.0 | | 123.08 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...0 expert\data\2017-03-07\2017-03-07_006_170307alphaATAC.xad

Created: 3/7/2017 4:17:56 PM
Modified: 3/8/2017 12:38:15 PM

Electropherogram Summary Continued ...

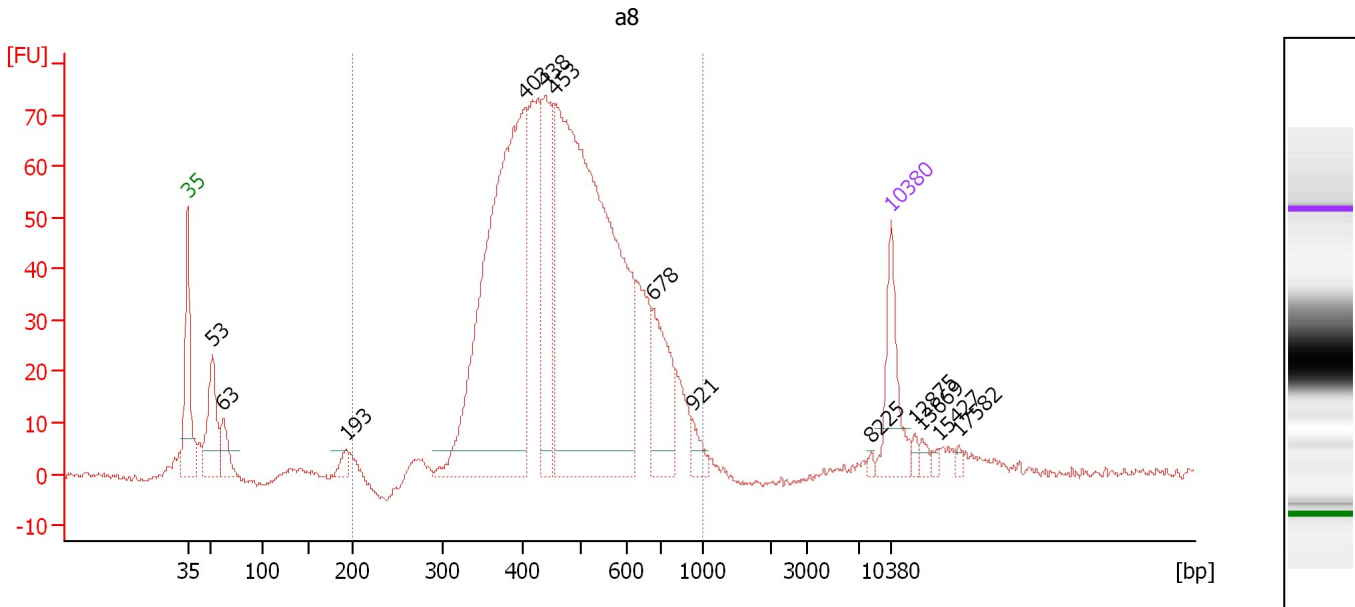
... Region table for sample 7 : a7

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|--|------------|-----------------------------|
| 200 | 1,000 | 478 | 1,738.7 | 8,527.4 |  2,511.19 | 92 | 24.3 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...0 expert\data\2017-03-07\2017-03-07_006_170307alphaATAC.xad

Created: 3/7/2017 4:17:56 PM
 Modified: 3/8/2017 12:38:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : a8

Number of peaks found: 13 Corr. Area 1: 1,352.8
 Noise: 0.7

Peak table for sample 8 : a8

| 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 | 53 | 136.40 | 3,923.9 | | 45.49 |
| 3 | 63 | 54.62 | 1,318.0 | | 46.56 |
| 4 | 193 | 18.84 | 148.0 | | 58.82 |
| 5 | 403 | 775.90 | 2,919.7 | | 76.59 |
| 6 | 438 | 188.44 | 652.6 | | 78.61 |
| 7 | 453 | 1,043.08 | 3,488.0 | | 79.51 |
| 8 | 678 | 123.48 | 275.9 | | 89.33 |
| 9 | 921 | 22.31 | 36.7 | | 93.20 |
| 10 | 8,225 | 4.00 | 0.7 | | 110.98 |
| 11 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 12 | 12,875 | 0.00 | 0.0 | | 115.34 |
| 13 | 13,669 | 0.00 | 0.0 | | 116.08 |
| 14 | 15,427 | 0.00 | 0.0 | | 117.72 |
| 15 | 17,582 | 0.00 | 0.0 | | 119.74 |

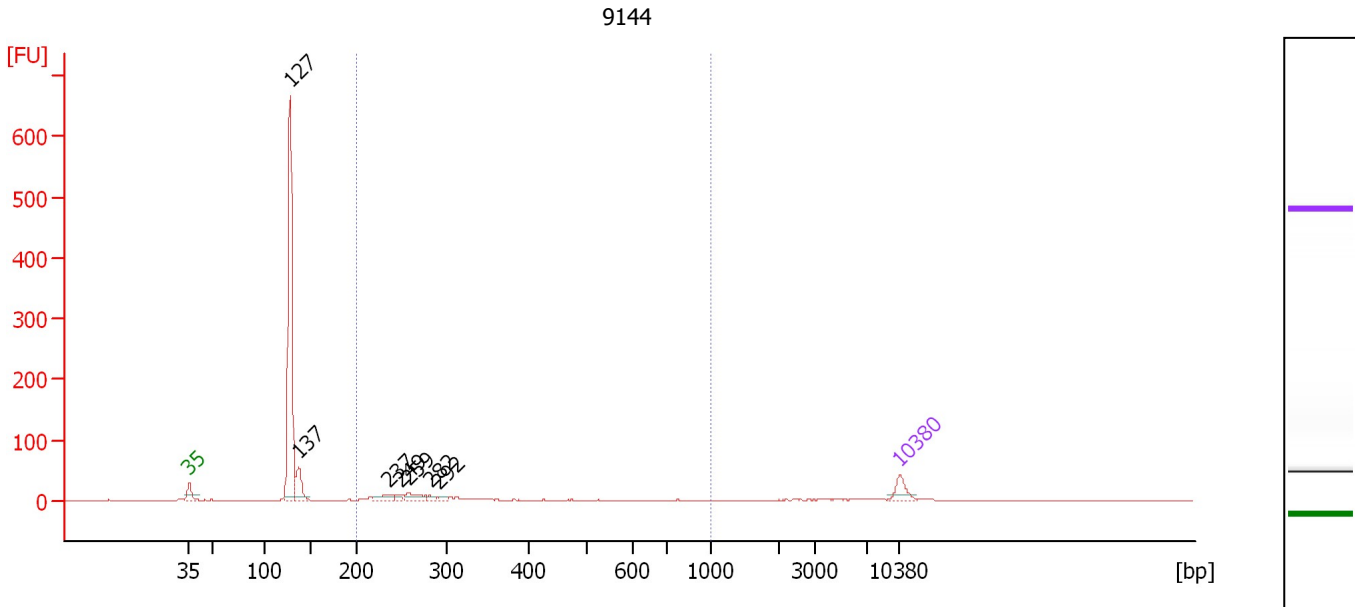
Region table for sample 8 : a8

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,000 | 489 | 1,352.8 | 8,467.7 | 2,534.48 | 91 | 25.5 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...0 expert\data\2017-03-07\2017-03-07_006_170307alphaATAC.xad

Created: 3/7/2017 4:17:56 PM
 Modified: 3/8/2017 12:38:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 9144

Number of peaks found: 7 Corr. Area 1: 118.5
 Noise: 0.4

Peak table for sample 9 : 9144

| 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 | 127 | 1,982.81 | 23,582.2 | | 52.93 |
| 3 | 137 | 216.82 | 2,403.3 | | 53.77 |
| 4 | 237 | 76.82 | 491.5 | | 62.71 |
| 5 | 249 | 29.83 | 181.8 | | 63.76 |
| 6 | 259 | 88.22 | 515.5 | | 64.70 |
| 7 | 282 | 26.17 | 140.7 | | 66.70 |
| 8 | 292 | 22.60 | 117.3 | | 67.59 |
| 9 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

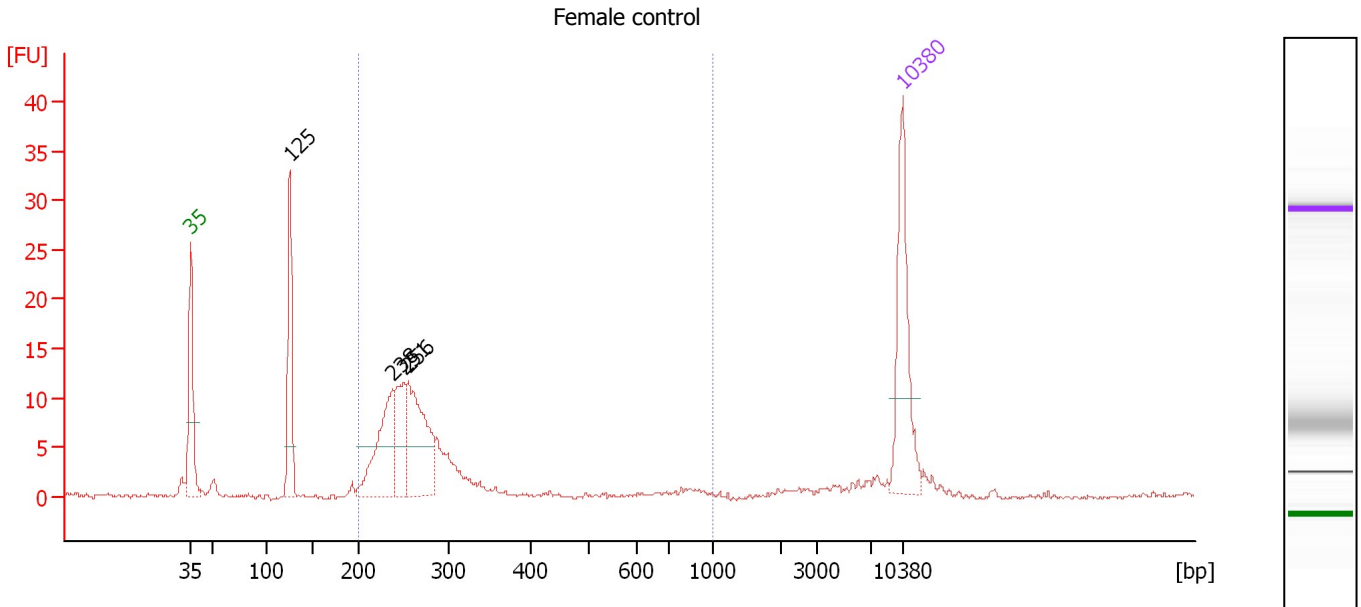
Region table for sample 9 : 9144

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|------------------|------------|-----------------------------|
| 200 | 1,000 | 285 | 118.5 | 2,008.7 | 358.01 | 16 | 27.9 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...0 expert\data\2017-03-07\2017-03-07_006_170307alphaATAC.xad

Created: 3/7/2017 4:17:56 PM
 Modified: 3/8/2017 12:38:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Female control

Number of peaks found: 4 Corr. Area 1: 104.2
 Noise: 0.2

Peak table for sample 10 : Female control

| 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 | 125 | 97.27 | 1,175.2 | | 52.75 |
| 3 | 238 | 96.68 | 615.3 | | 62.82 |
| 4 | 251 | 54.56 | 329.3 | | 63.97 |
| 5 | 256 | 107.10 | 634.4 | | 64.39 |
| 6 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

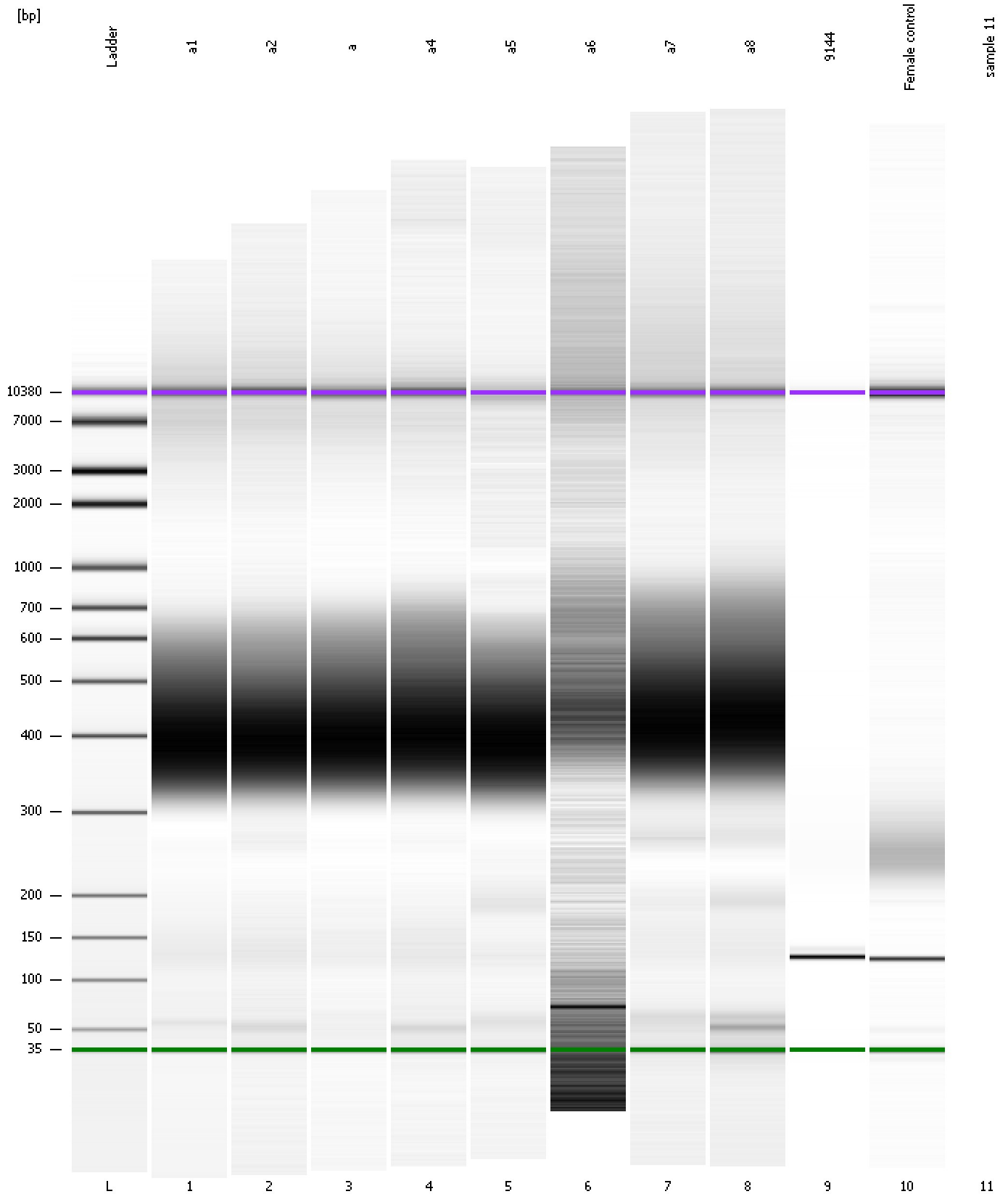
Region table for sample 10 : Female control

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,000 | 273 | 104.2 | 1,857.2 | 319.42 | 72 | 32.4 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...0 expert\data\2017-03-07\2017-03-07_006_170307alphaATAC.xad

Created: 3/7/2017 4:17:56 PM
Modified: 3/8/2017 12:38:15 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...0 expert\data\2017-03-07\2017-03-07_006_170307alphaATAC.xad

Created: 3/7/2017 4:17:56 PM
Modified: 3/8/2017 12:38:15 PM

Invalid Samples

Sample 11 has not been run, no results available.

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...0 expert\data\2017-03-07\2017-03-07_006_170307alphaATAC.xad

Created: 3/7/2017 4:17:56 PM
 Modified: 3/8/2017 12:38:15 PM

Run Logbook

| Description | Number | Source | Category | Sub Category | Time | Time Zone | User | Host |
|--|--------|------------|----------|--------------|---------------------|-------------------------------------|----------|----------|
| Run ended on port 1 (Number of wells acquired: 11) | | Instrument | Run | | 3/7/2017 4:56:21 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2017-03-07\2017-03-07_006.xad) | | Instrument | Run | | 3/7/2017 4:18:02 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 3/7/2017 4:18:02 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 3/7/2017 4:18:02 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 3/7/2017 4:18:02 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 3/7/2017 4:18:02 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 3/7/2017 4:18:02 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 3/7/2017 4:18:02 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |