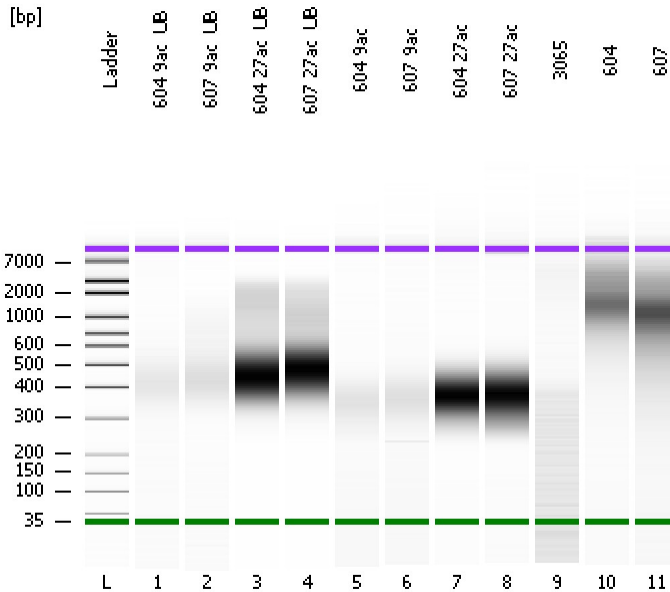


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_003.xad

Created: 10/29/2019 1:33:54 PM
Modified: 10/29/2019 2:14:24 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

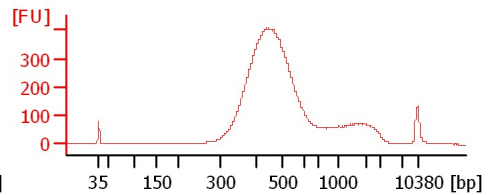
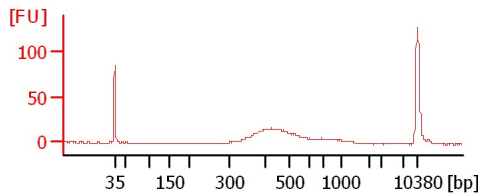
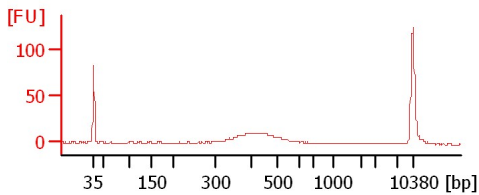
Chip Information:

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

604 9ac_UB

607 9ac_UB

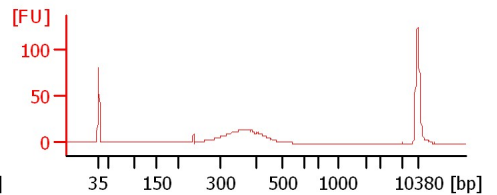
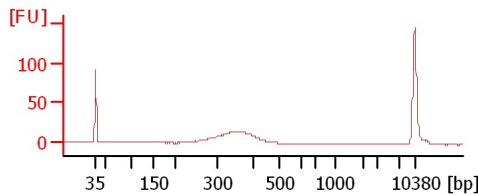
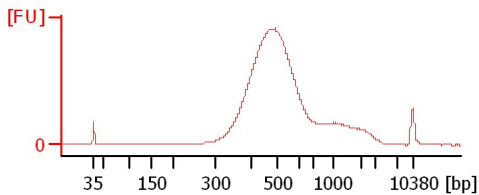
604 27ac_UB



607 27ac_UB

604 9ac

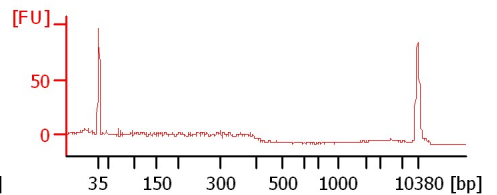
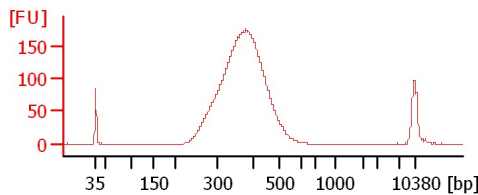
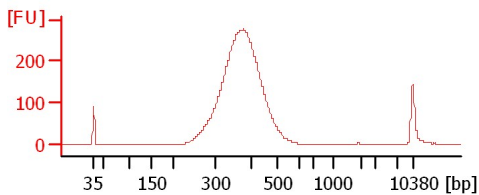
607 9ac



604 27ac

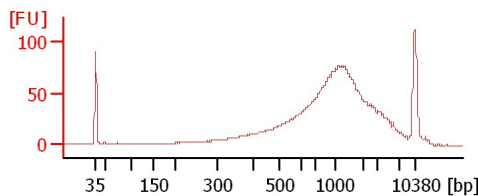
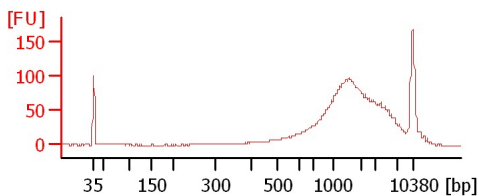
607 27ac

3065



604

607



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_003.xad

Created: 10/29/2019 1:33:54 PM
 Modified: 10/29/2019 2:14:24 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|-------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| 604 9ac_UB | | <input type="checkbox"/> | ✓ | | | |
| 607 9ac_UB | | <input type="checkbox"/> | ✓ | | | |
| 604 27ac_UB | | <input type="checkbox"/> | ✓ | | | |
| 607 27ac_UB | | <input type="checkbox"/> | ✓ | | | |
| 604 9ac | | <input type="checkbox"/> | ✓ | | | |
| 607 9ac | | <input type="checkbox"/> | ✓ | | | |
| 604 27ac | | <input type="checkbox"/> | ✓ | | | |
| 607 27ac | | <input type="checkbox"/> | ✓ | | | |
| 3065 | | <input type="checkbox"/> | ✓ | | | |
| 604 | | <input type="checkbox"/> | ✓ | | | |
| 607 | | <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\2019-10-29\2019-10-29_003.xad

Created: 10/29/2019 1:33:54 PM
Modified: 10/29/2019 2:14:24 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

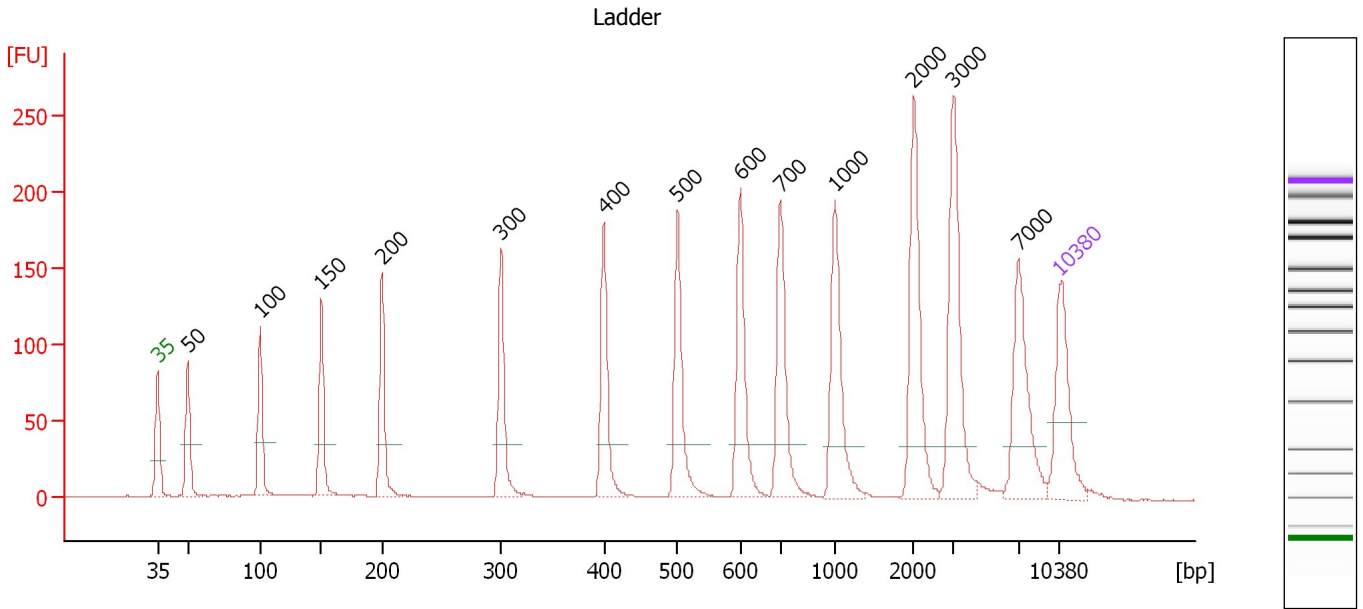
Ladder

| 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\2019-10-29\2019-10-29_003.xad

Created: 10/29/2019 1:33:54 PM
 Modified: 10/29/2019 2:14:24 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

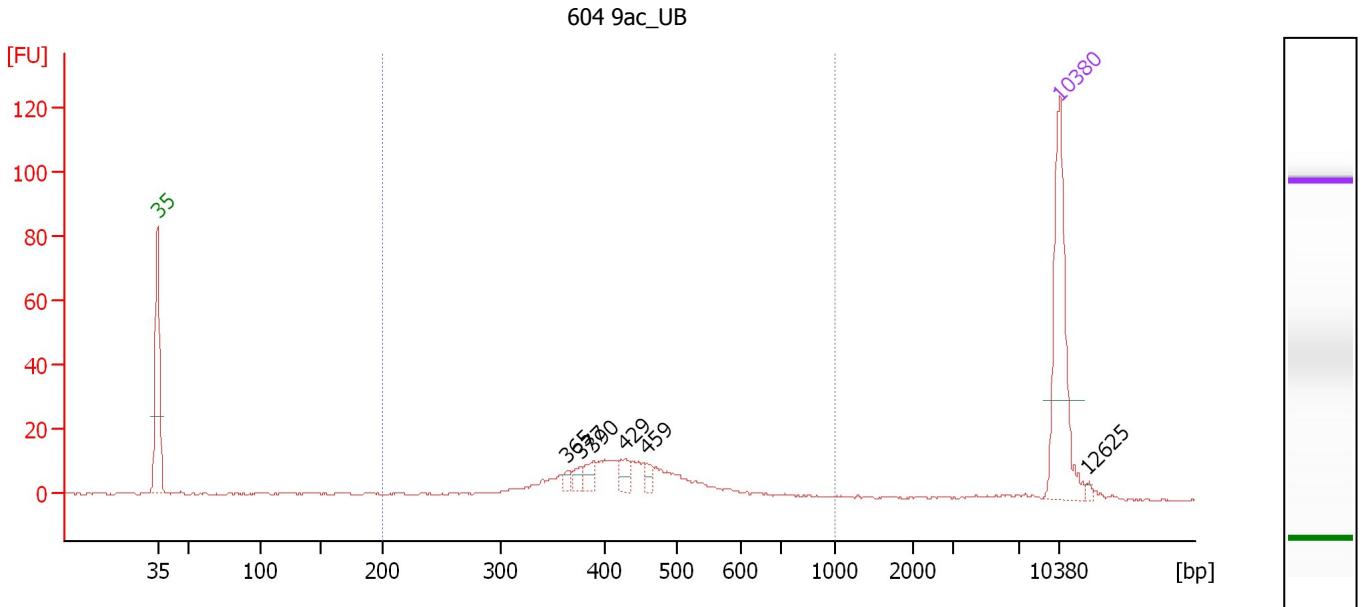
Peak table for Ladder

| 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 | 45.33 |
| 3 | 100 | 150.00 | 2,272.7 | Ladder Peak | 50.97 |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak | 55.72 |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak | 60.43 |
| 6 | 300 | 150.00 | 757.6 | Ladder Peak | 69.68 |
| 7 | 400 | 150.00 | 568.2 | Ladder Peak | 77.65 |
| 8 | 500 | 150.00 | 454.5 | Ladder Peak | 83.37 |
| 9 | 600 | 150.00 | 378.8 | Ladder Peak | 88.26 |
| 10 | 700 | 150.00 | 324.7 | Ladder Peak | 91.38 |
| 11 | 1,000 | 150.00 | 227.3 | Ladder Peak | 95.57 |
| 12 | 2,000 | 150.00 | 113.6 | Ladder Peak | 101.73 |
| 13 | 3,000 | 150.00 | 75.8 | Ladder Peak | 104.77 |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak | 109.83 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_003.xad

Created: 10/29/2019 1:33:54 PM
 Modified: 10/29/2019 2:14:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 604 9ac_UB

Number of peaks found: 6 Corr. Area 1: 173.1
 Noise: 0.3

Peak table for sample 1 : 604 9ac_UB

| 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 | 365 | 4.61 | 19.1 | | 74.84 |
| 3 | 377 | 7.22 | 29.0 | | 75.85 |
| 4 | 390 | 9.48 | 36.8 | | 76.86 |
| 5 | 429 | 11.04 | 39.0 | | 79.32 |
| 6 | 459 | 7.32 | 24.2 | | 81.03 |
| 7 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 8 | 12,625 | 0.00 | 0.0 | | 115.11 |

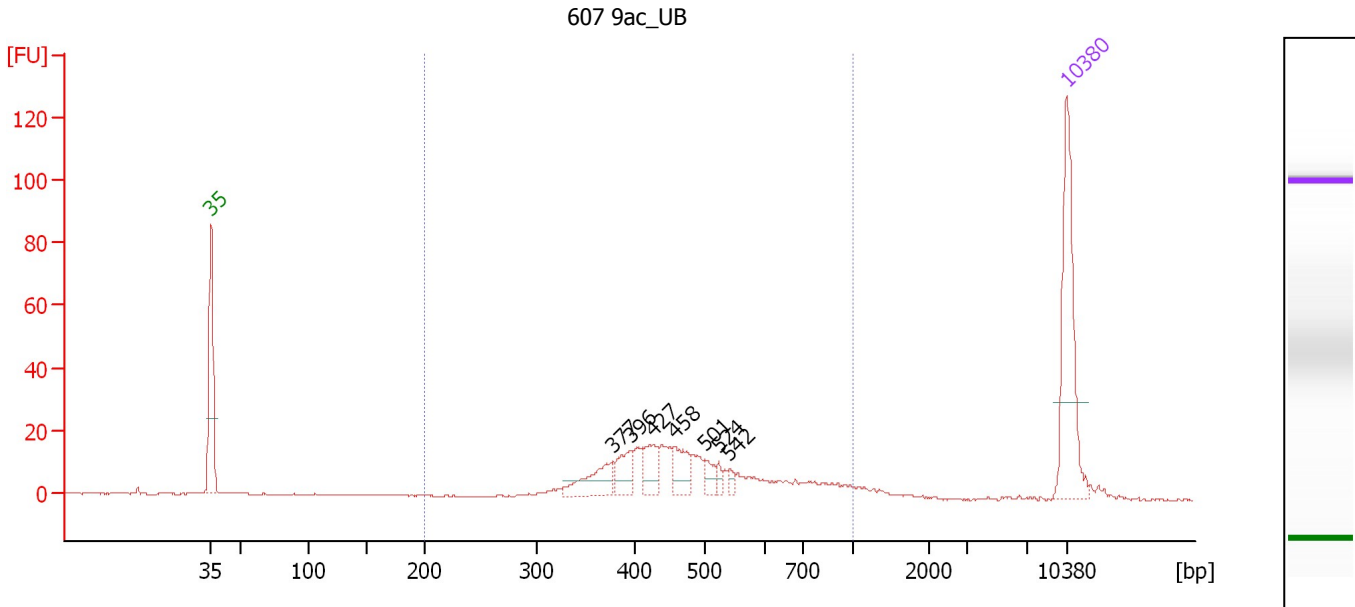
Region table for sample 1 : 604 9ac_UB

| From [bp] | To [bp] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] |
|-----------|---------|-------------------|---------------|------------|-------------------|-------------------|-----------------------------|
| 200 | 1,000 | 434 | 156.41 | 173.1 | 579.1 | 88 | 21.4 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_003.xad

Created: 10/29/2019 1:33:54 PM
 Modified: 10/29/2019 2:14:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 607 9ac_UB

Number of peaks found: 7 Corr. Area 1: 271.6
 Noise: 0.2

Peak table for sample 2 : 607 9ac_UB

| 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 | 377 | 33.64 | 135.1 | | 75.84 |
| 3 | 396 | 21.32 | 81.5 | | 77.37 |
| 4 | 427 | 24.38 | 86.5 | | 79.20 |
| 5 | 458 | 23.03 | 76.3 | | 80.94 |
| 6 | 501 | 10.04 | 30.4 | | 83.43 |
| 7 | 524 | 5.34 | 15.5 | | 84.52 |
| 8 | 542 | 4.33 | 12.1 | | 85.44 |
| 9 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

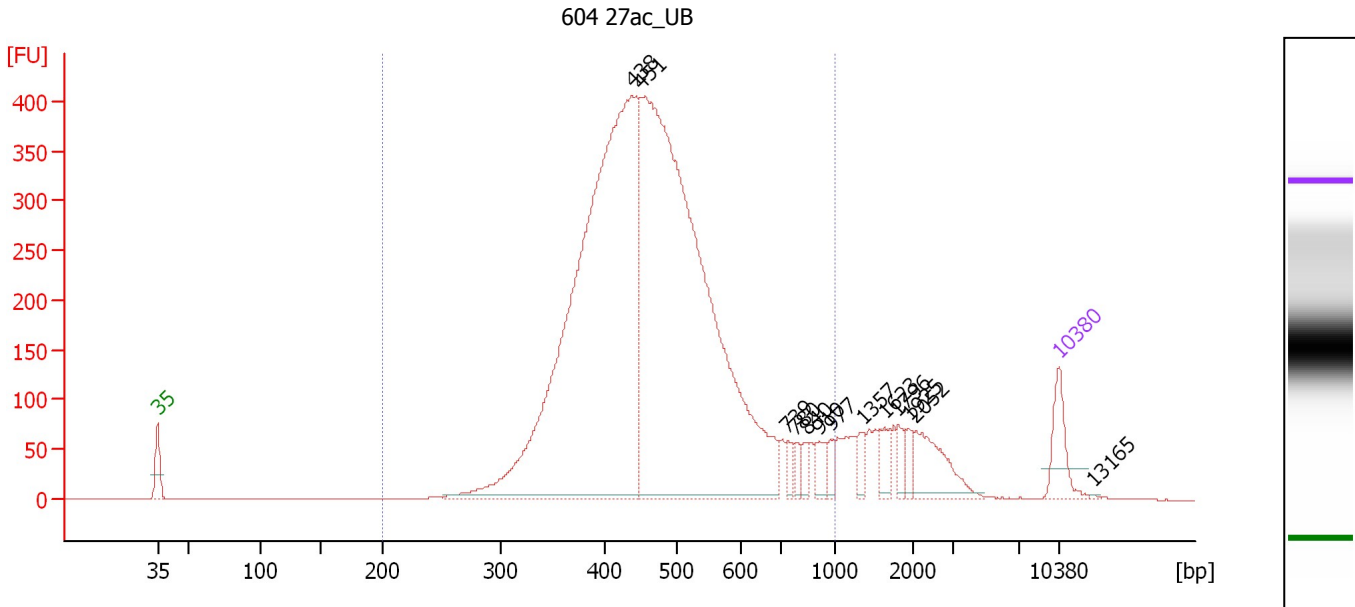
Region table for sample 2 : 607 9ac_UB

| From [bp] | To [bp] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] |
|-----------|---------|-------------------|---------------|------------|-------------------|-------------------|-----------------------------|
| 200 | 1,000 | 493 | 234.31 | 271.6 | 779.9 | 92 | 27.8 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_003.xad

Created: 10/29/2019 1:33:54 PM
 Modified: 10/29/2019 2:14:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 604 27ac_UB

Number of peaks found: 13 Corr. Area 1: 6,324.4
 Noise: 0.2

Peak table for sample 3 : 604 27ac_UB

| 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 | 438 | 2,354.67 | 8,140.6 | | 79.84 |
| 3 | 451 | 2,427.35 | 8,147.4 | | 80.59 |
| 4 | 739 | 27.36 | 56.1 | | 91.92 |
| 5 | 780 | 26.10 | 50.7 | | 92.50 |
| 6 | 840 | 27.10 | 48.9 | | 93.34 |
| 7 | 910 | 39.51 | 65.8 | | 94.32 |
| 8 | 977 | 24.51 | 38.0 | | 95.25 |
| 9 | 1,357 | 30.90 | 34.5 | | 97.77 |
| 10 | 1,623 | 41.27 | 38.5 | | 99.41 |
| 11 | 1,796 | 29.08 | 24.5 | | 100.47 |
| 12 | 1,925 | 25.89 | 20.4 | | 101.27 |
| 13 | 2,052 | 115.47 | 85.3 | | 101.89 |
| 14 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 15 | 13,165 | 0.00 | 0.0 | | 115.61 |

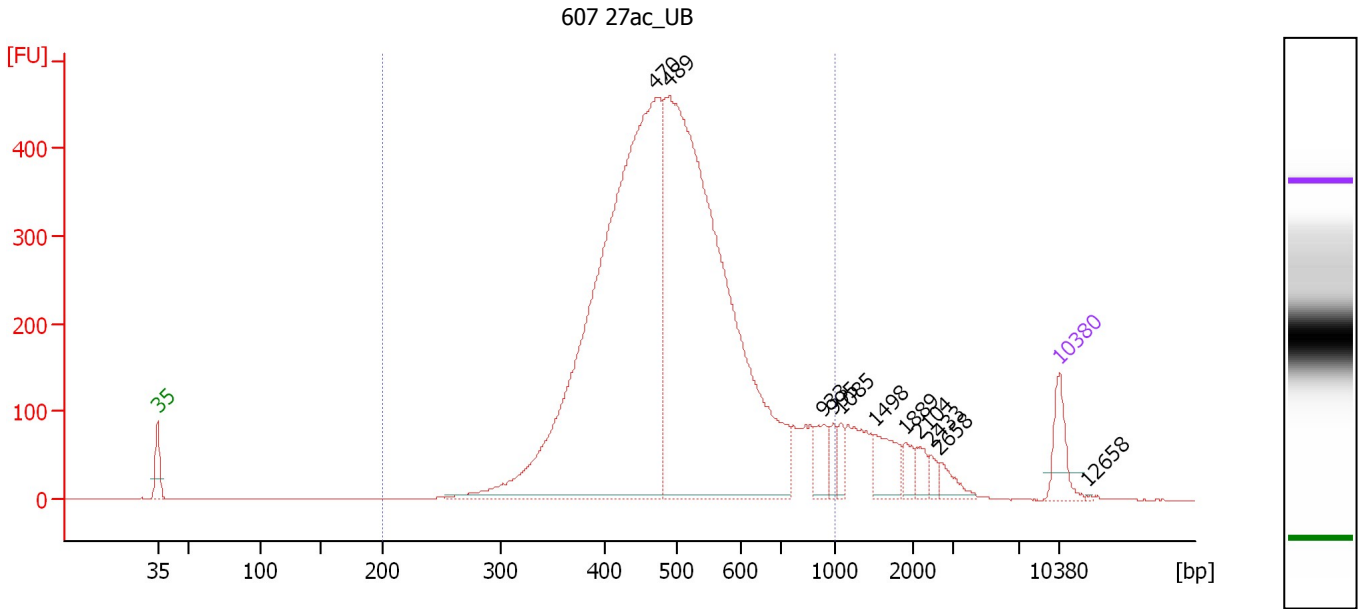
Region table for sample 3 : 604 27ac_UB

| From [bp] | To [bp] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|-----------|---------|-------------------|---------------|------------|-------------------|-------------------|-----------------------------|
| 200 | 1,000 | 477 | 4,996.51 | 6,324.4 | 16,913.4 | 90 | 24.4 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_003.xad

Created: 10/29/2019 1:33:54 PM
 Modified: 10/29/2019 2:14:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 607 27ac_UB

Number of peaks found: 11 Corr. Area 1: 6,981.0
 Noise: 0.2

Peak table for sample 4 : 607 27ac_UB

| 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 | 470 | 2,603.96 | 8,385.8 | | 81.68 |
| 3 | 489 | 2,452.09 | 7,601.6 | | 82.73 |
| 4 | 933 | 76.33 | 123.9 | | 94.64 |
| 5 | 995 | 34.30 | 52.2 | | 95.50 |
| 6 | 1,085 | 33.86 | 47.3 | | 96.09 |
| 7 | 1,498 | 95.39 | 96.5 | | 98.64 |
| 8 | 1,889 | 35.79 | 28.7 | | 101.05 |
| 9 | 2,104 | 33.75 | 24.3 | | 102.05 |
| 10 | 2,433 | 21.63 | 13.5 | | 103.05 |
| 11 | 2,658 | 36.46 | 20.8 | | 103.73 |
| 12 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 13 | 12,658 | 0.00 | 0.0 | | 115.14 |

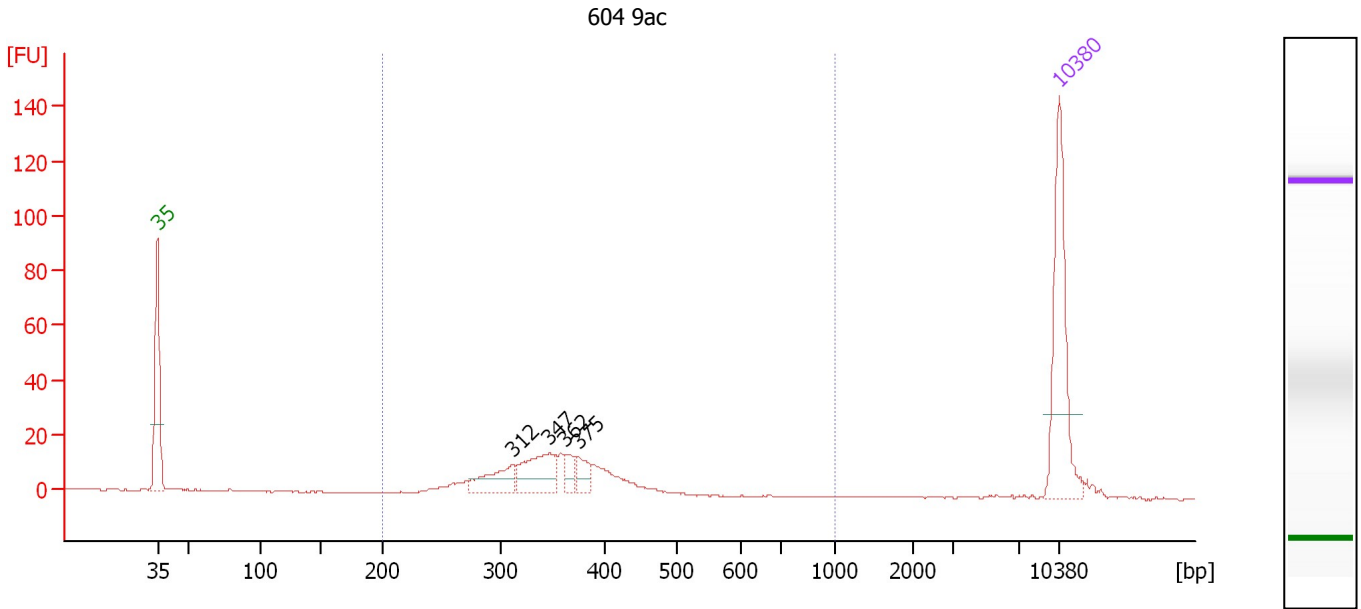
Region table for sample 4 : 607 27ac_UB

| From [bp] | To [bp] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] |
|-----------|---------|-------------------|---------------|------------|-------------------|-------------------|-----------------------------|
| 200 | 1,000 | 503 | 5,279.68 | 6,981.0 | 16,946.8 | 91 | 24.0 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_003.xad

Created: 10/29/2019 1:33:54 PM
 Modified: 10/29/2019 2:14:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 604 9ac

Number of peaks found: 4 Corr. Area 1: 196.6
 Noise: 0.2

Peak table for sample 5 : 604 9ac

| 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 | 312 | 32.30 | 156.9 | | 70.63 |
| 3 | 347 | 45.88 | 200.3 | | 73.43 |
| 4 | 362 | 13.01 | 54.4 | | 74.64 |
| 5 | 375 | 13.79 | 55.7 | | 75.67 |
| 6 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

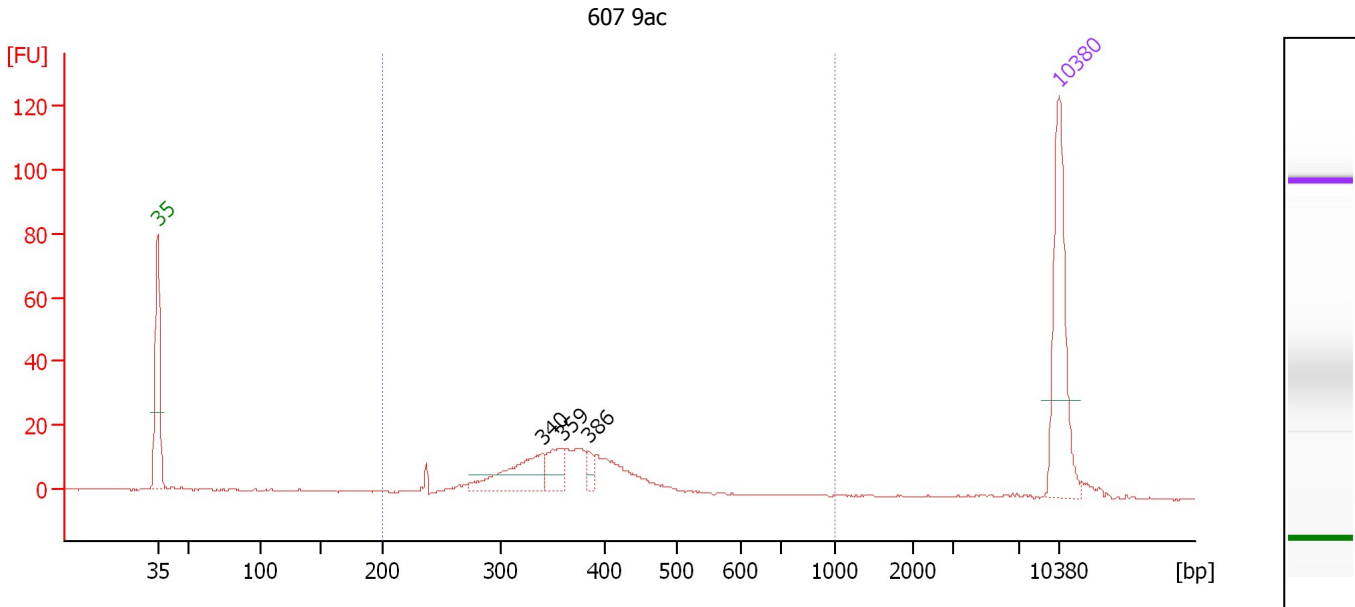
Region table for sample 5 : 604 9ac

| From [bp] | To [bp] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] |
|-----------|---------|-------------------|---------------|------------|-------------------|-------------------|-----------------------------|
| 200 | 1,000 | 350 | 164.16 | 196.6 | 730.4 | 94 | 14.2 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_003.xad

Created: 10/29/2019 1:33:54 PM
 Modified: 10/29/2019 2:14:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 607 9ac

Number of peaks found: 3 Corr. Area 1: 202.8
 Noise: 0.2

Peak table for sample 6 : 607 9ac

| 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 | 53.32 | 237.5 | | 72.88 |
| 3 | 359 | 23.41 | 98.7 | | 74.41 |
| 4 | 386 | 9.00 | 35.4 | | 76.52 |
| 5 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

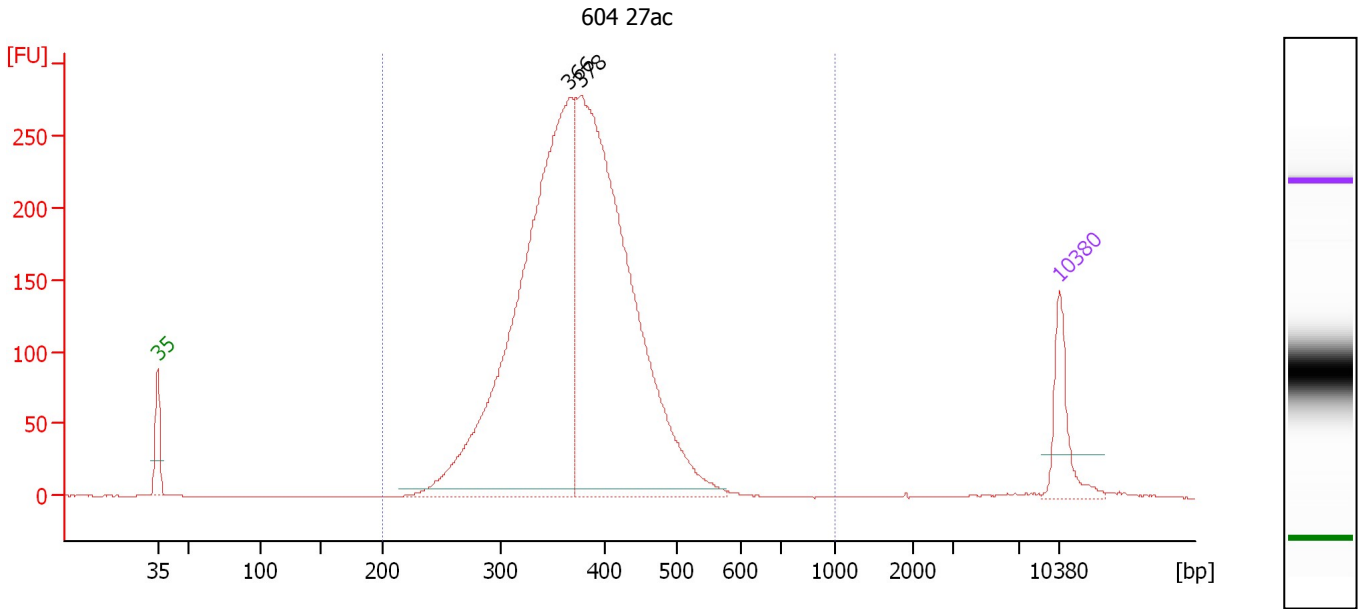
Region table for sample 6 : 607 9ac

| From [bp] | To [bp] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] |
|-----------|---------|-------------------|---------------|------------|-------------------|-------------------|-----------------------------|
| 200 | 1,000 | 372 | 187.44 | 202.8 | 797.7 | 90 | 20.0 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_003.xad

Created: 10/29/2019 1:33:54 PM
 Modified: 10/29/2019 2:14:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 604 27ac

Number of peaks found: 2 Corr. Area 1: 3,746.5
 Noise: 0.2

Peak table for sample 7 : 604 27ac

| 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 | 366 | 1,317.24 | 5,446.5 | | 74.97 |
| 3 | 378 | 1,293.43 | 5,183.4 | | 75.90 |
| 4 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

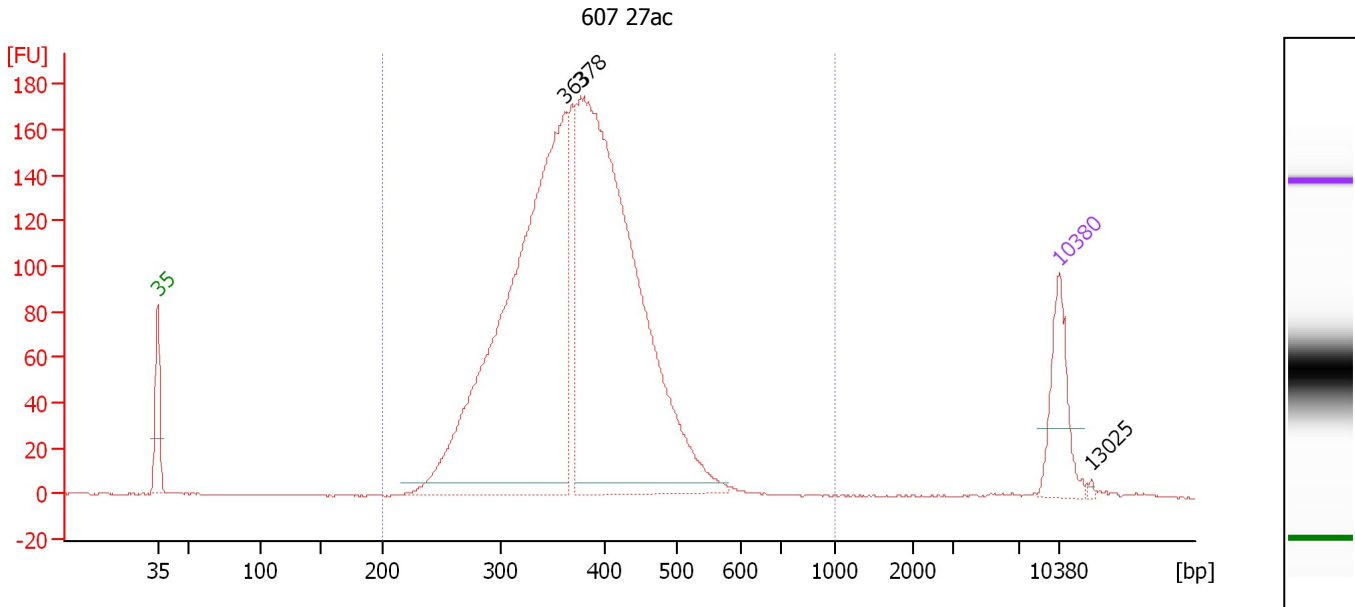
Region table for sample 7 : 604 27ac

| From [bp] | To [bp] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|-----------|---------|-------------------|---------------|------------|-------------------|-------------------|-----------------------------|
| 200 | 1,000 | 377 | 2,678.71 | 3,746.5 | 11,112.5 | 98 | 16.2 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_003.xad

Created: 10/29/2019 1:33:54 PM
 Modified: 10/29/2019 2:14:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 607 27ac

Number of peaks found: 3 Corr. Area 1: 2,657.3
 Noise: 0.2

Peak table for sample 8 : 607 27ac

| 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 | 363 | 1,024.04 | 4,279.0 | | 74.67 |
| 3 | 378 | 1,063.27 | 4,263.5 | | 75.88 |
| 4 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 5 | 13,025 | 0.00 | 0.0 | | 115.48 |

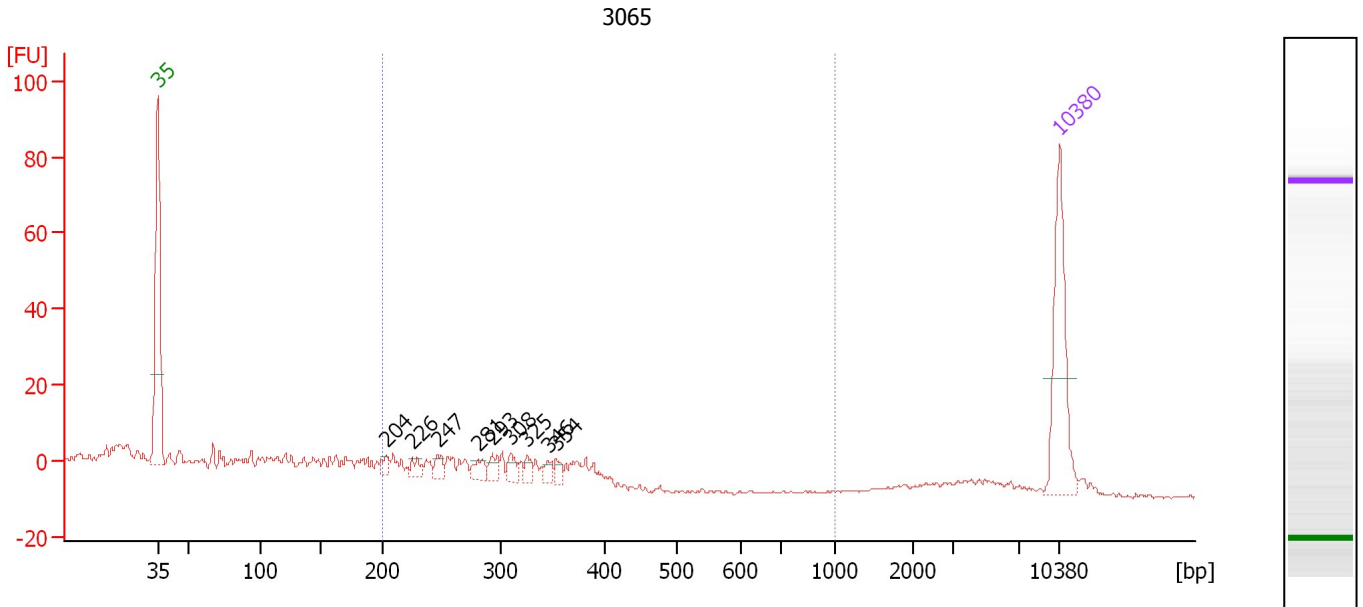
Region table for sample 8 : 607 27ac

| From [bp] | To [bp] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] |
|-----------|---------|-------------------|---------------|------------|-------------------|-------------------|-----------------------------|
| 200 | 1,000 | 375 | 2,269.37 | 2,657.3 | 9,521.4 | 99 | 17.2 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_003.xad

Created: 10/29/2019 1:33:54 PM
 Modified: 10/29/2019 2:14:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 3065

Number of peaks found: 9 Corr. Area 1: 75.4
 Noise: 0.2

Peak table for sample 9 : 3065

| 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 | 204 | 8.46 | 62.9 | | 60.76 |
| 3 | 226 | 9.46 | 63.5 | | 62.82 |
| 4 | 247 | 10.26 | 63.0 | | 64.78 |
| 5 | 281 | 13.18 | 71.2 | | 67.89 |
| 6 | 293 | 10.95 | 56.7 | | 68.99 |
| 7 | 308 | 11.81 | 58.0 | | 70.35 |
| 8 | 325 | 8.69 | 40.5 | | 71.70 |
| 9 | 346 | 7.74 | 34.0 | | 73.31 |
| 10 | 354 | 7.74 | 33.2 | | 73.96 |
| 11 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

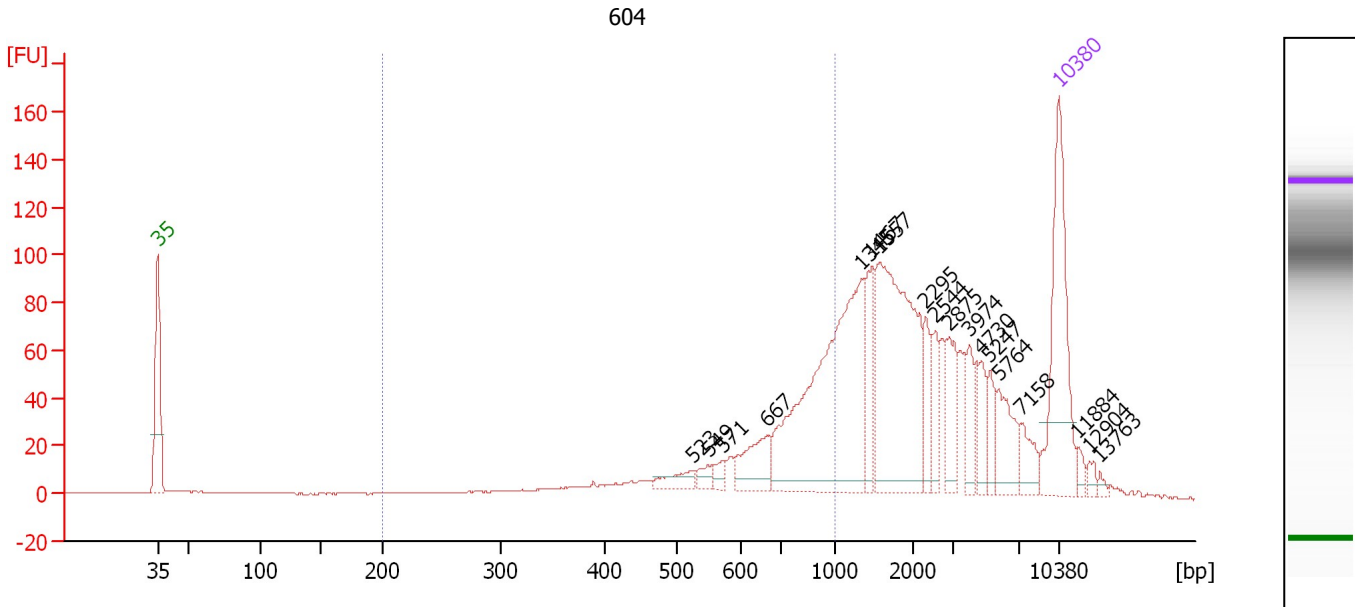
Region table for sample 9 : 3065

| From [bp] | To [bp] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|-----------|---------|-------------------|---------------|------------|-------------------|-------------------|-----------------------------|
| 200 | 1,000 | 298 | 112.84 | 75.4 | 598.2 | 39 | 18.3 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_003.xad

Created: 10/29/2019 1:33:54 PM
 Modified: 10/29/2019 2:14:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 604

Number of peaks found: 18 Corr. Area 1: 461.7
 Noise: 0.2

Peak table for sample 10 : 604

| 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 | 523 | 12.07 | 35.0 | | 84.50 |
| 3 | 549 | 7.23 | 20.0 | | 85.76 |
| 4 | 571 | 6.99 | 18.5 | | 86.86 |
| 5 | 667 | 31.77 | 72.2 | | 90.34 |
| 6 | 1,345 | 183.46 | 206.7 | | 97.69 |
| 7 | 1,467 | 27.81 | 28.7 | | 98.45 |
| 8 | 1,557 | 141.70 | 137.9 | | 99.00 |
| 9 | 2,295 | 18.99 | 12.5 | | 102.63 |
| 10 | 2,544 | 17.90 | 10.7 | | 103.38 |
| 11 | 2,875 | 24.61 | 13.0 | | 104.39 |
| 12 | 3,974 | 17.99 | 6.9 | | 106.00 |
| 13 | 4,730 | 18.54 | 5.9 | | 106.96 |
| 14 | 5,247 | 12.67 | 3.7 | | 107.61 |
| 15 | 5,764 | 27.61 | 7.3 | | 108.27 |
| 16 | 7,158 | 14.71 | 3.1 | | 109.98 |
| 17 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 18 | 11,884 | 0.00 | 0.0 | | 114.41 |
| 19 | 12,904 | 0.00 | 0.0 | | 115.37 |
| 20 | 13,763 | 0.00 | 0.0 | | 116.17 |

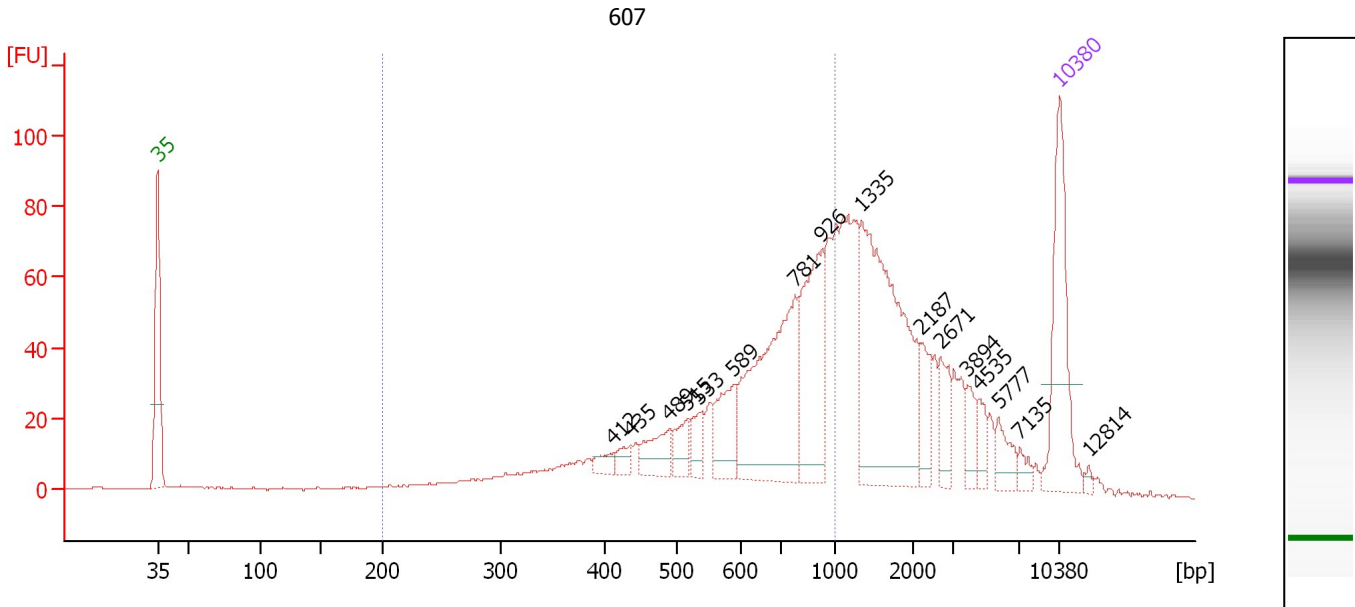
Region table for sample 10 : 604

| From [bp] | To [bp] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] |
|-----------|---------|-------------------|---------------|------------|-------------------|-------------------|-----------------------------|
| 200 | 1,000 | 695 | 247.82 | 461.7 | 635.9 | 29 | 28.5 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_003.xad

Created: 10/29/2019 1:33:54 PM
 Modified: 10/29/2019 2:14:24 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 607

Number of peaks found: 16 Corr. Area 1: 767.9
 Noise: 0.3

Peak table for sample 11 : 607

| 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 | 412 | 10.10 | 37.1 | | 78.36 |
| 3 | 435 | 10.54 | 36.7 | | 79.67 |
| 4 | 489 | 28.73 | 89.1 | | 82.72 |
| 5 | 515 | 19.05 | 56.1 | | 84.09 |
| 6 | 533 | 19.28 | 54.8 | | 85.00 |
| 7 | 589 | 42.14 | 108.3 | | 87.74 |
| 8 | 781 | 162.99 | 316.4 | | 92.51 |
| 9 | 926 | 95.00 | 155.4 | | 94.54 |
| 10 | 1,335 | 198.17 | 224.9 | | 97.63 |
| 11 | 2,187 | 22.08 | 15.3 | | 102.30 |
| 12 | 2,671 | 23.71 | 13.4 | | 103.77 |
| 13 | 3,894 | 15.12 | 5.9 | | 105.90 |
| 14 | 4,535 | 13.08 | 4.4 | | 106.71 |
| 15 | 5,777 | 16.31 | 4.3 | | 108.28 |
| 16 | 7,135 | 6.62 | 1.4 | | 109.96 |
| 17 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 18 | 12,814 | 0.00 | 0.0 | | 115.28 |

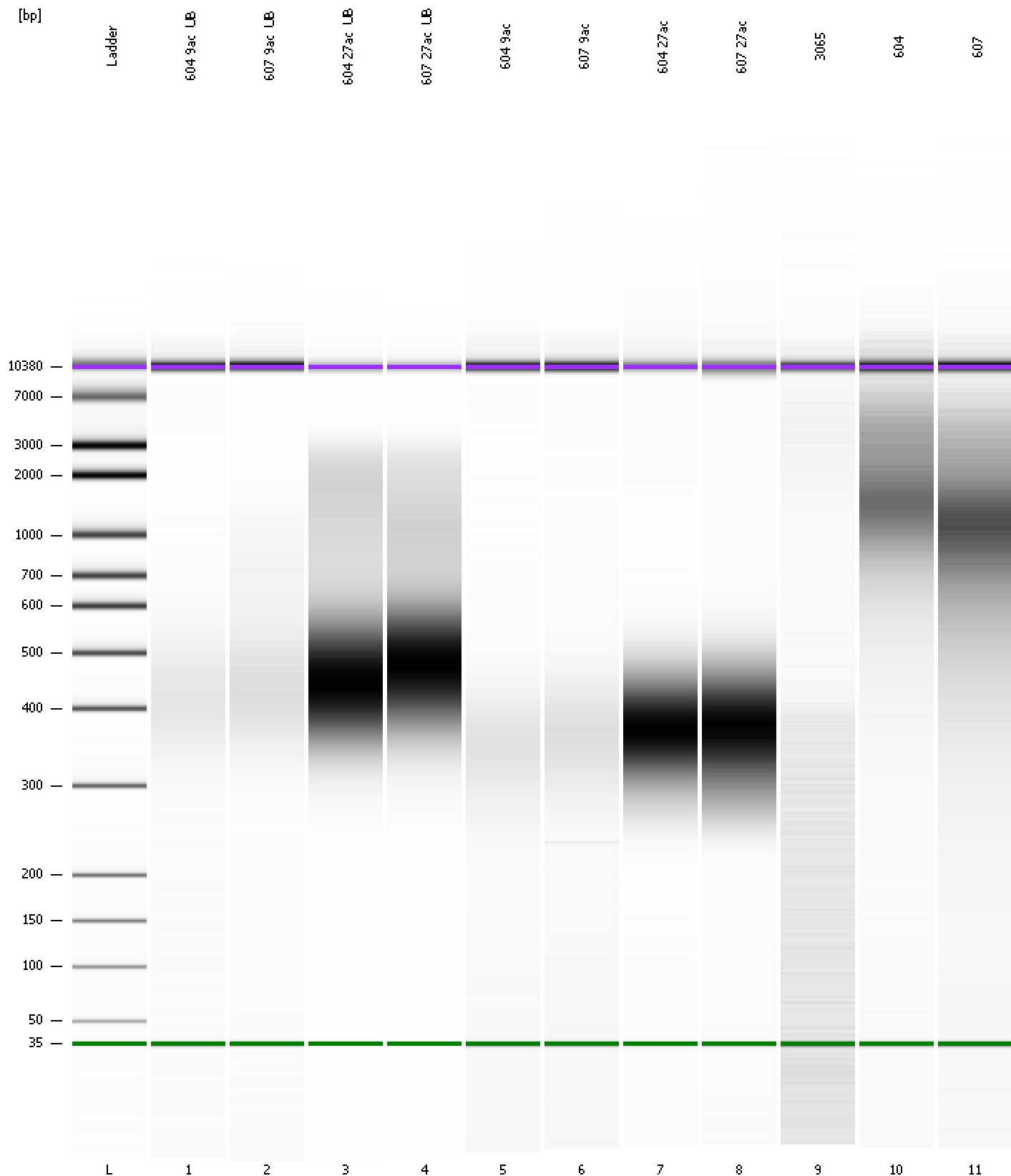
Region table for sample 11 : 607

| From [bp] | To [bp] | Average Size [bp] | Conc. [pg/μl] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] |
|-----------|---------|-------------------|---------------|------------|-------------------|-------------------|-----------------------------|
| 200 | 1,000 | 648 | 660.89 | 767.9 | 1,844.5 | 52 | 30.8 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_003.xad

Created: 10/29/2019 1:33:54 PM
Modified: 10/29/2019 2:14:24 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-10-29\2019-10-29_003.xad

Created: 10/29/2019 1:33:54 PM
 Modified: 10/29/2019 2:14:24 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 | | 10/29/2019 2:14:21 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\2019-10-29\2019-10-29_003.xad) | | Instrument | Run | | 10/29/2019 1:33:59 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938C | | Instrument | Run | | 10/29/2019 1:33:59 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 10/29/2019 1:33:59 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 10/29/2019 1:33:59 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE34903152 | | Instrument | Run | | 10/29/2019 1:33:59 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 10/29/2019 1:33:59 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 10/29/2019 1:33:59 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |