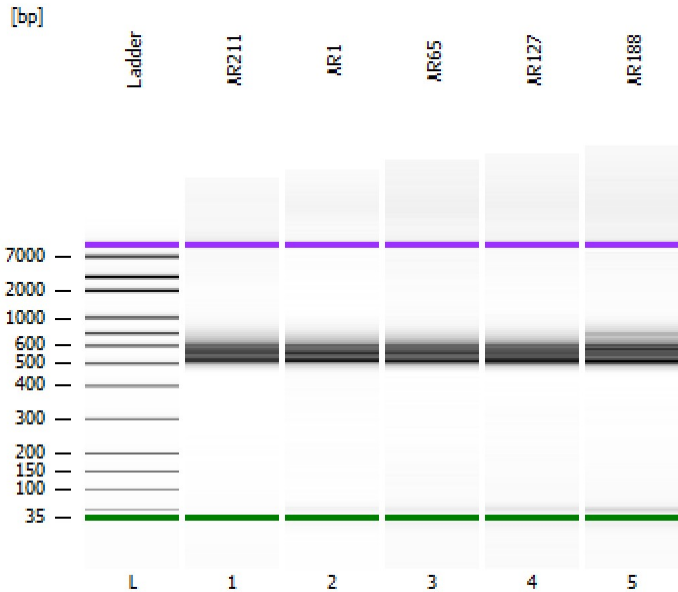


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-04\QC1624_BioA.xad

Created: 10/4/2023 3:30:10 PM
Modified: 10/4/2023 4:50:32 PM

Electrophoresis File Run Summary



Instrument Information:

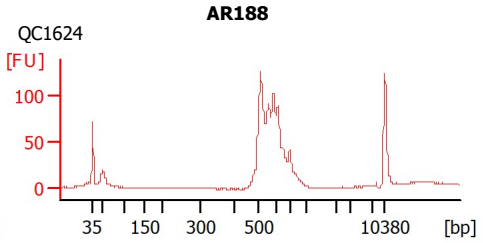
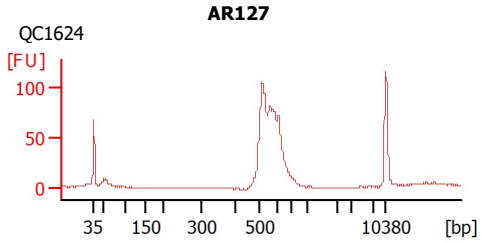
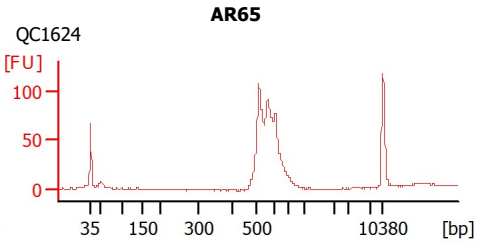
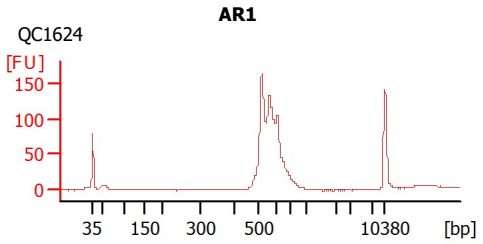
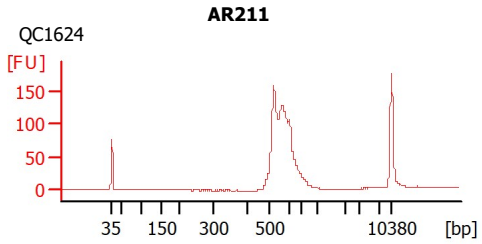
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\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:\...100 bioanalyzer\2100 expert\data\2023-10-04\QC1624_BioA.xad

Created: 10/4/2023 3:30:10 PM
 Modified: 10/4/2023 4:50:32 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|-------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| AR211 | QC1624 | <input type="checkbox"/> | ✓ | | | |
| AR1 | QC1624 | <input type="checkbox"/> | ✓ | | | |
| AR65 | QC1624 | <input type="checkbox"/> | ✓ | | | |
| AR127 | QC1624 | <input type="checkbox"/> | ✓ | | | |
| AR188 | QC1624 | <input type="checkbox"/> | ✓ | | | |
| Ladder | | <input type="checkbox"/> | ✓ | | | |

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-04\QC1624_BioA.xad

Created: 10/4/2023 3:30:10 PM
Modified: 10/4/2023 4:50:32 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

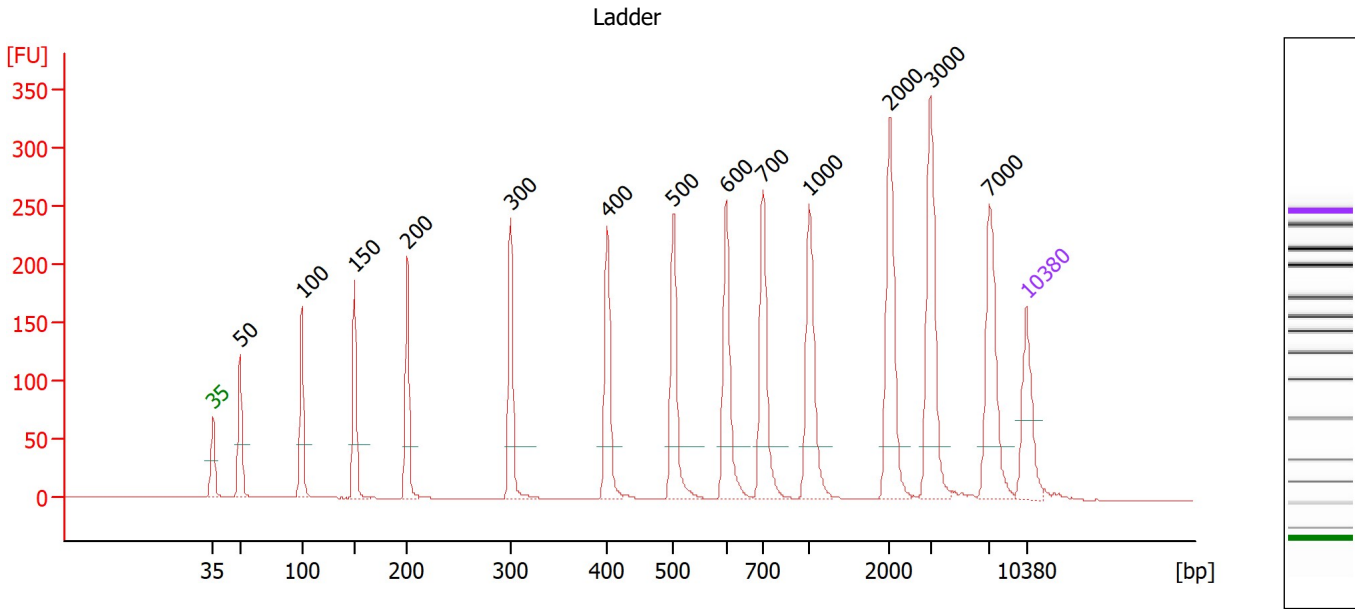
Ladder

| 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:\...100 bioanalyzer\2100 expert\data\2023-10-04\QC1624_BioA.xad

Created: 10/4/2023 3:30:10 PM
 Modified: 10/4/2023 4:50:32 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

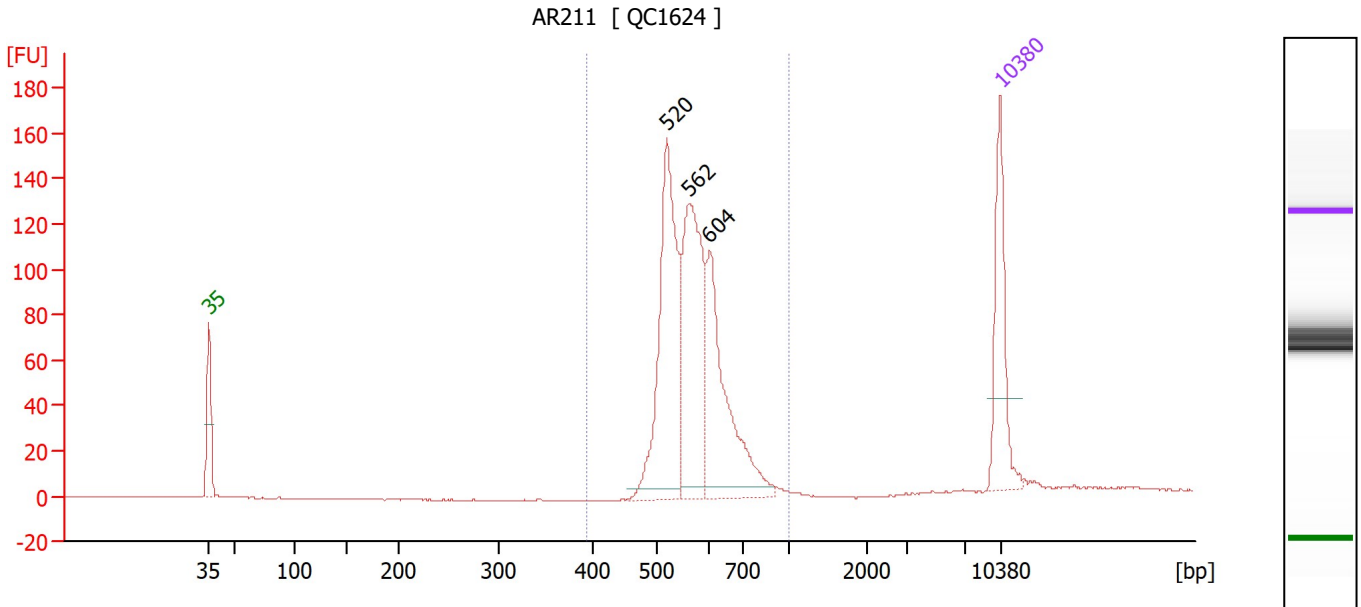
Peak table for Ladder

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 50 | 150.00 | 4,545.5 | Ladder Peak |
| 3 | 100 | 150.00 | 2,272.7 | Ladder Peak |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak |
| 6 | 300 | 150.00 | 757.6 | Ladder Peak |
| 7 | 400 | 150.00 | 568.2 | Ladder Peak |
| 8 | 500 | 150.00 | 454.5 | Ladder Peak |
| 9 | 600 | 150.00 | 378.8 | Ladder Peak |
| 10 | 700 | 150.00 | 324.7 | Ladder Peak |
| 11 | 1,000 | 150.00 | 227.3 | Ladder Peak |
| 12 | 2,000 | 150.00 | 113.6 | Ladder Peak |
| 13 | 3,000 | 150.00 | 75.8 | Ladder Peak |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-04\QC1624_BioA.xad

Created: 10/4/2023 3:30:10 PM
 Modified: 10/4/2023 4:50:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : AR211

Number of peaks found: 3 Corr. Area 1: 871.2
 Noise: 0.2

Peak table for sample 1 : AR211

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 520 | 239.25 | 697.2 | |
| 3 | 562 | 200.61 | 540.4 | |
| 4 | 604 | 166.59 | 417.7 | |
| 5 | 10,380 | 75.00 | 10.9 | Upper Marker |

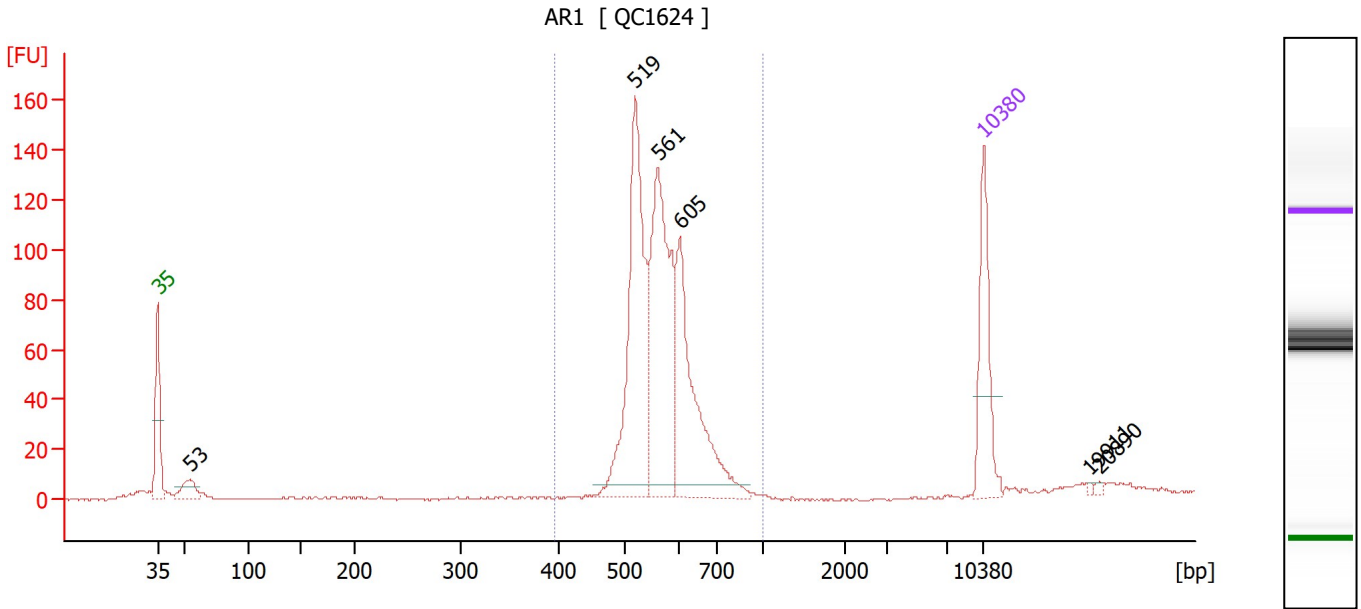
Region table for sample 1 : AR211

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 393 | 1,000 | 871.2 | 98 | 575 | 10.9 | 581.21 | 1,548.4 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-04\QC1624_BioA.xad

Created: 10/4/2023 3:30:10 PM
 Modified: 10/4/2023 4:50:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : AR1

Number of peaks found: 6 Corr. Area 1: 783.6
 Noise: 0.5

Peak table for sample 2 : AR1

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 53 | 30.97 | 878.3 | |
| 3 | 519 | 259.59 | 758.5 | |
| 4 | 561 | 249.22 | 673.1 | |
| 5 | 605 | 181.68 | 454.9 | |
| 6 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 7 | 19,911 | 0.00 | 0.0 | |
| 8 | 20,890 | 0.00 | 0.0 | |

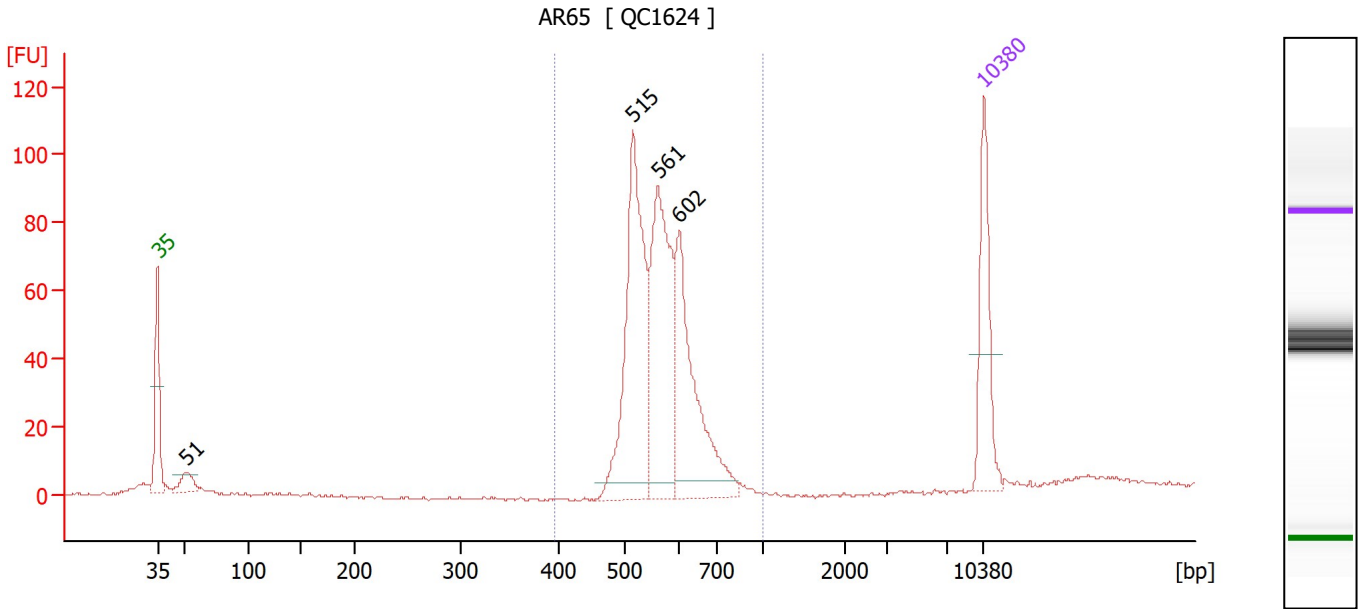
Region table for sample 2 : AR1

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 397 | 1,000 | 783.6 | 92 | 571 | 10.3 | 674.92 | 1,809.3 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-04\QC1624_BioA.xad

Created: 10/4/2023 3:30:10 PM
 Modified: 10/4/2023 4:50:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : AR65

Number of peaks found: 4 Corr. Area 1: 562.8
 Noise: 0.4

Peak table for sample 3 : AR65

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 51 | 25.21 | 747.3 | |
| 3 | 515 | 252.86 | 744.1 | |
| 4 | 561 | 214.35 | 578.5 | |
| 5 | 602 | 177.61 | 447.0 | |
| 6 | 10,380 | 75.00 | 10.9 | Upper Marker |

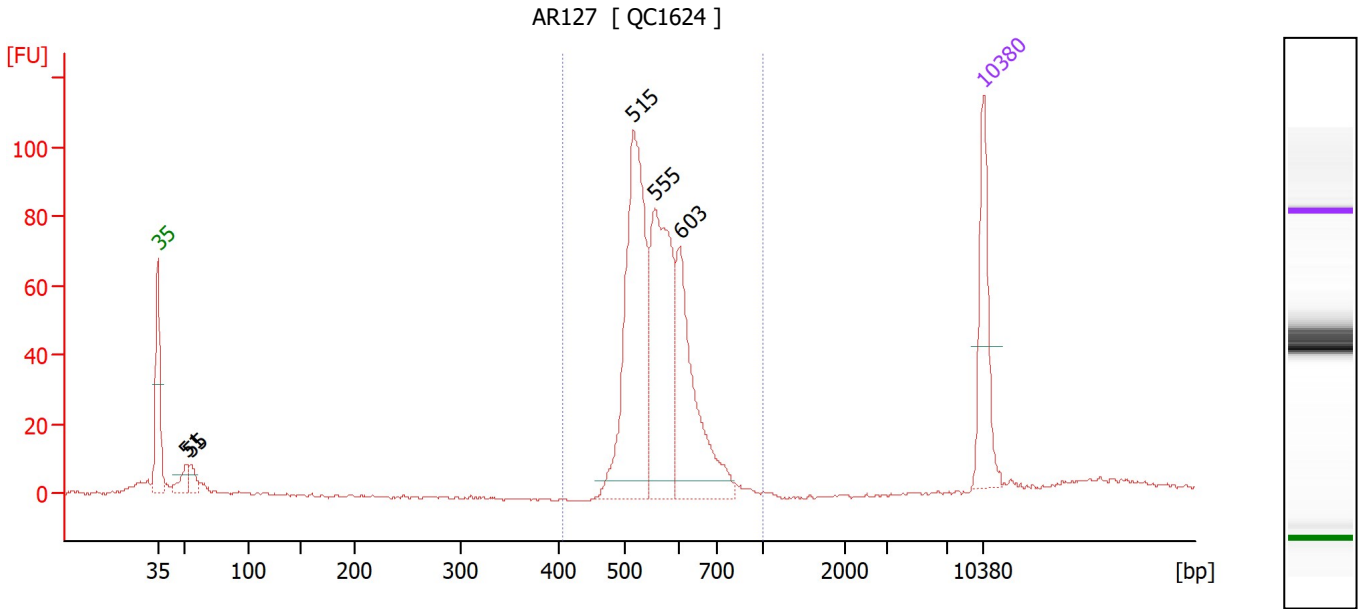
Region table for sample 3 : AR65

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 396 | 1,000 | 562.8 | 93 | 568 | 9.7 | 600.84 | 1,615.9 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-04\QC1624_BioA.xad

Created: 10/4/2023 3:30:10 PM
 Modified: 10/4/2023 4:50:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : AR127

Number of peaks found: 5 Corr. Area 1: 578.0
 Noise: 0.4

Peak table for sample 4 : AR127

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 51 | 25.23 | 749.8 | |
| 3 | 55 | 17.49 | 484.0 | |
| 4 | 515 | 293.91 | 864.0 | |
| 5 | 555 | 225.98 | 617.0 | |
| 6 | 603 | 168.61 | 423.6 | |
| 7 | 10,380 | 75.00 | 10.9 | Upper Marker |

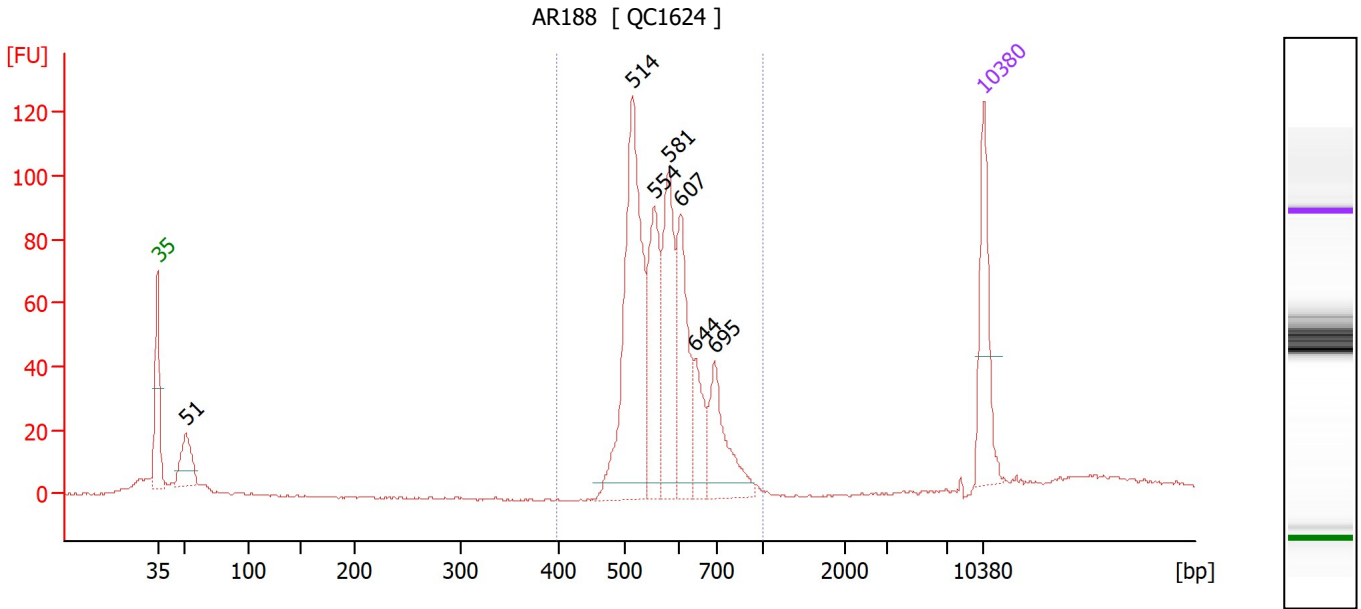
Region table for sample 4 : AR127

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 407 | 1,000 | 578.0 | 88 | 566 | 9.9 | 656.58 | 1,774.8 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-04\QC1624_BioA.xad

Created: 10/4/2023 3:30:10 PM
 Modified: 10/4/2023 4:50:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : AR188

Number of peaks found: 7 Corr. Area 1: 708.2
 Noise: 0.3

Peak table for sample 5 : AR188

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 51 | 60.39 | 1,811.5 | |
| 3 | 514 | 286.12 | 843.5 | |
| 4 | 554 | 124.56 | 340.5 | |
| 5 | 581 | 135.73 | 353.8 | |
| 6 | 607 | 112.96 | 282.0 | |
| 7 | 644 | 51.50 | 121.2 | |
| 8 | 695 | 86.09 | 187.6 | |
| 9 | 10,380 | 75.00 | 10.9 | Upper Marker |

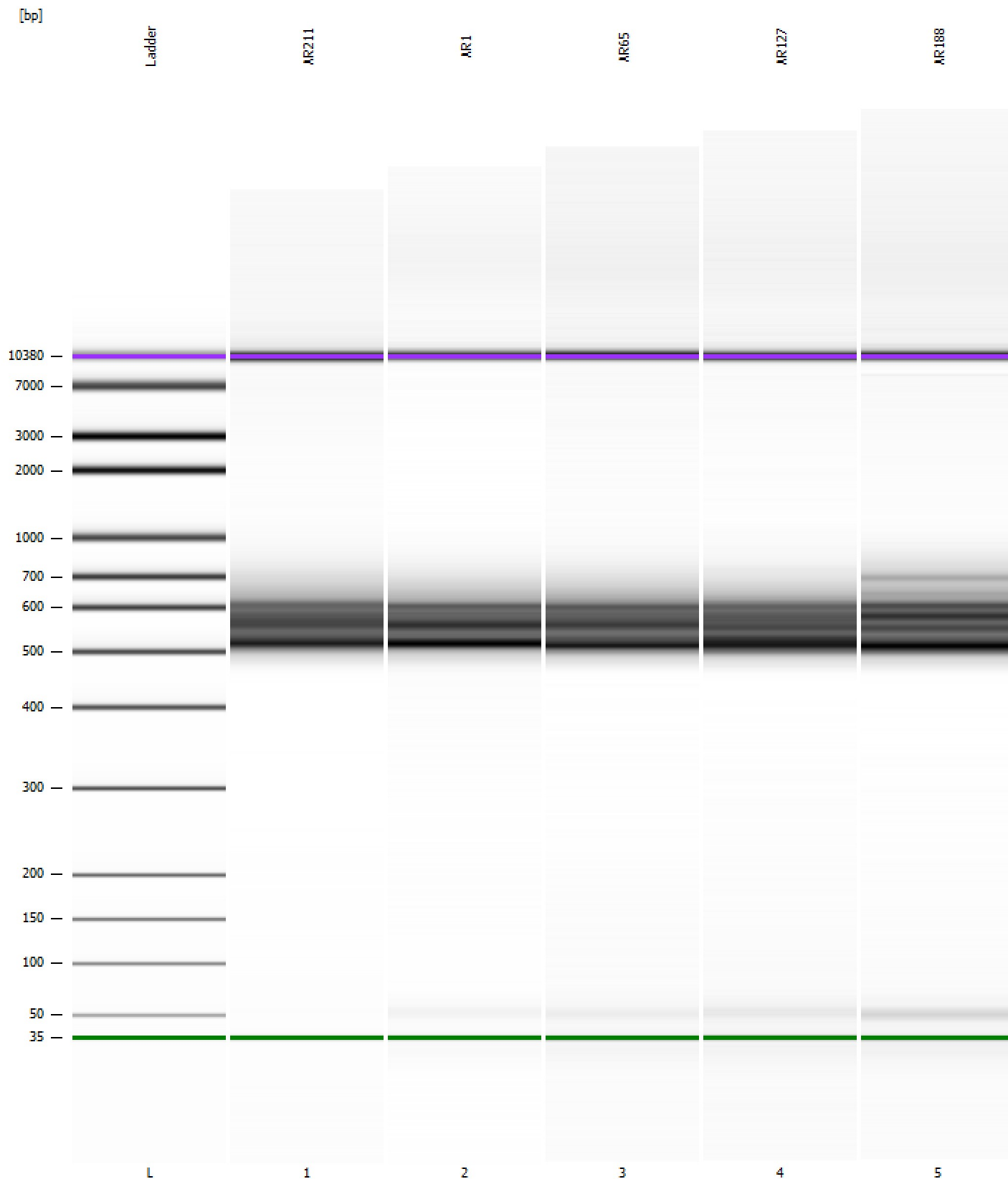
Region table for sample 5 : AR188

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 400 | 1,000 | 708.2 | 86 | 581 | 12.9 | 755.94 | 2,003.1 | Blue |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-04\QC1624_BioA.xad

Created: 10/4/2023 3:30:10 PM
Modified: 10/4/2023 4:50:32 PM

Gel Image

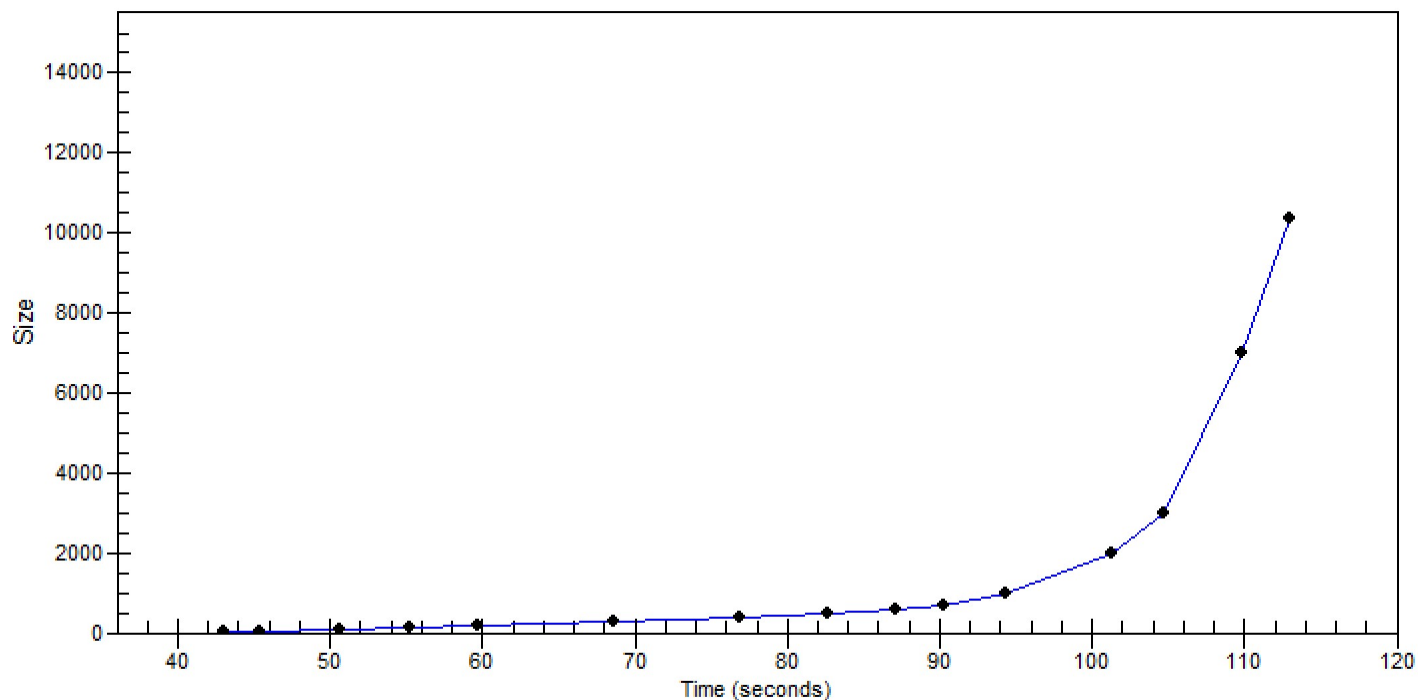


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-04\QC1624_BioA.xad

Created: 10/4/2023 3:30:10 PM
Modified: 10/4/2023 4:50:32 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...100 bioanalyzer\2100 expert\data\2023-10-04\QC1624_BioA.xad

Created: 10/4/2023 3:30:10 PM
 Modified: 10/4/2023 4:50:32 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 | | 10/4/2023 4:11:30 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2023-10-04\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2023-10-04_001.xad) | | Instrument | Run | | 10/4/2023 3:30:17 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Product Number : G2938C | | Instrument | Run | | 10/4/2023 3:30:17 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Name : | | Instrument | Run | | 10/4/2023 3:30:17 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Vendor : Agilent Technologies | | Instrument | Run | | 10/4/2023 3:30:17 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Serial# : DE34903152 | | Instrument | Run | | 10/4/2023 3:30:17 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Firmware : C.01.069 | | Instrument | Run | | 10/4/2023 3:30:17 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Cartridge : Electrode | | Instrument | Run | | 10/4/2023 3:30:17 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |