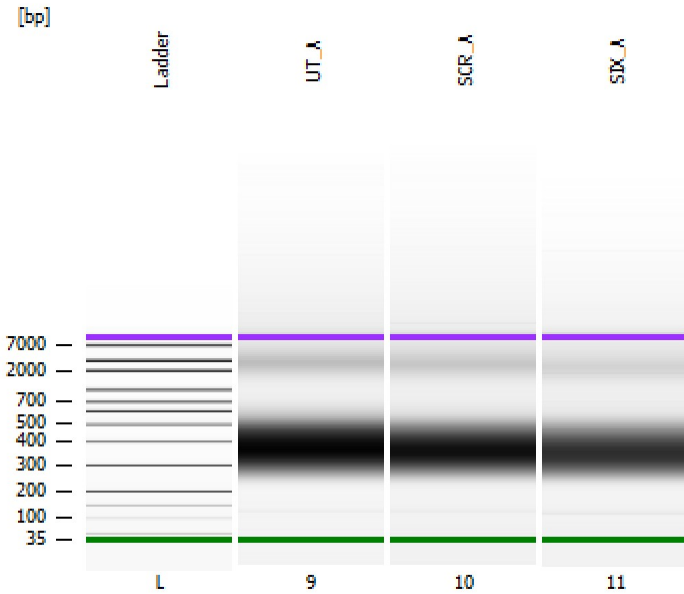


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-24\QC1654_1-3.xad

Created: 10/24/2023 4:19:37 PM
Modified: 10/24/2023 5:09:19 PM

Electrophoresis File Run Summary



Instrument Information:

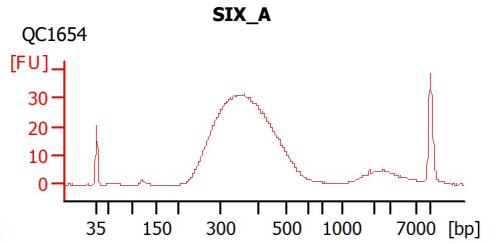
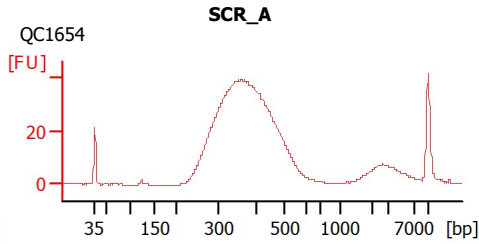
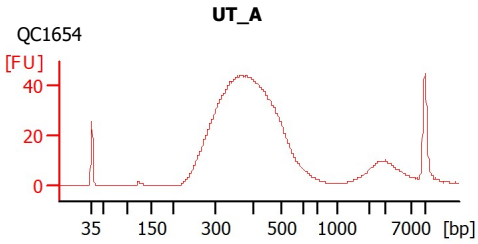
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:\...2100 bioanalyzer\2100 expert\data\2023-10-24\QC1654_1-3.xad

Created: 10/24/2023 4:19:37 PM
 Modified: 10/24/2023 5:09:19 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|-------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| UT_A | QC1654 | <input type="checkbox"/> | | ✓ | | |
| SCR_A | QC1654 | <input type="checkbox"/> | | ✓ | | |
| SIX_A | QC1654 | <input type="checkbox"/> | | ✓ | | |
| Ladder | | <input type="checkbox"/> | | ✓ | | |

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-24\QC1654_1-3.xad

Created: 10/24/2023 4:19:37 PM
Modified: 10/24/2023 5:09:19 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

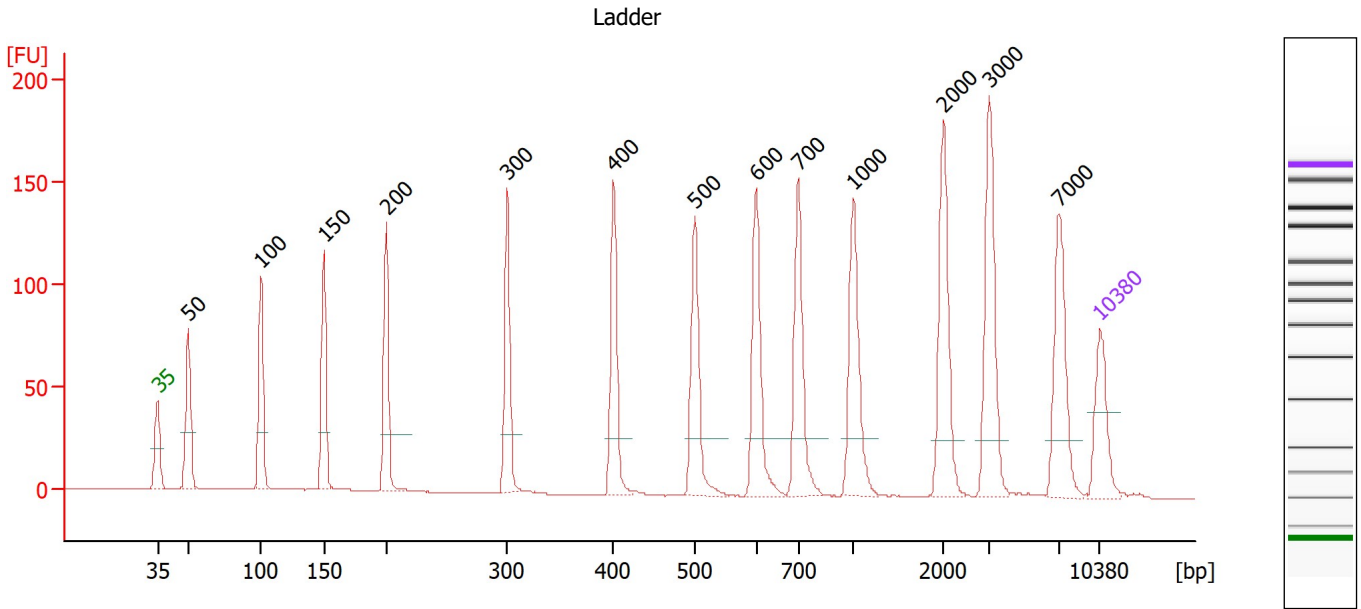
Ladder

| 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:\...2100 bioanalyzer\2100 expert\data\2023-10-24\QC1654_1-3.xad

Created: 10/24/2023 4:19:37 PM
 Modified: 10/24/2023 5:09:19 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

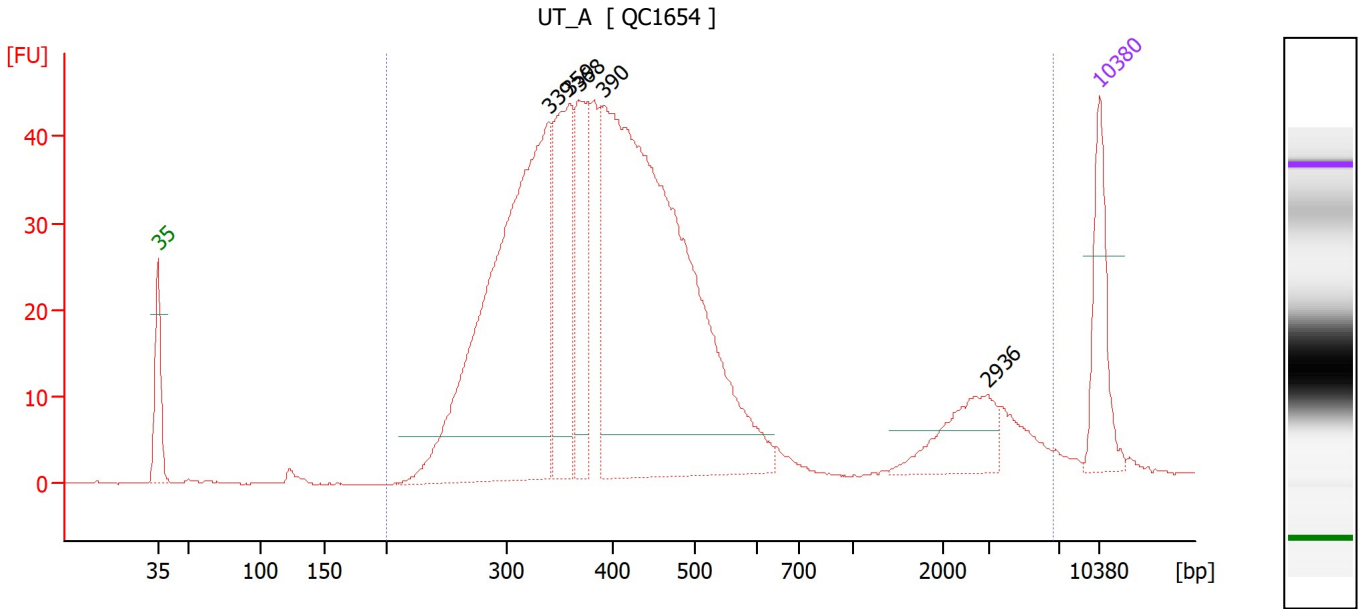
Peak table for Ladder

| 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:\...2100 bioanalyzer\2100 expert\data\2023-10-24\QC1654_1-3.xad

Created: 10/24/2023 4:19:37 PM
 Modified: 10/24/2023 5:09:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : UT_A

Number of peaks found: 5 Corr. Area 1: 951.1
 Noise: 0.1

Peak table for sample 9 : UT_A

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 339 | 740.51 | 3,308.4 | |
| 3 | 359 | 210.23 | 888.1 | |
| 4 | 368 | 143.68 | 591.6 | |
| 5 | 390 | 977.48 | 3,797.0 | |
| 6 | 2,936 | 73.65 | 38.0 | |
| 7 | 10,380 | 75.00 | 10.9 | Upper Marker |

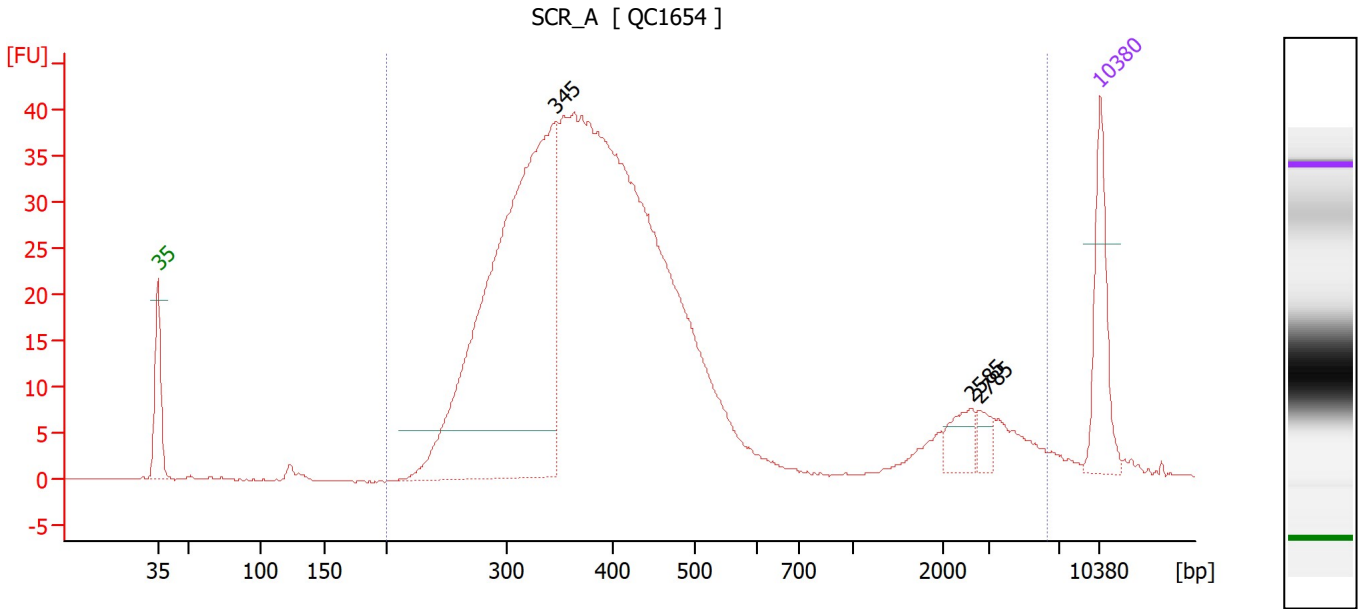
Region table for sample 9 : UT_A

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 200 | 6,698 | 951.1 | 95 | 705 | 100.0 | 2,521.36 | 9,747.2 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-24\QC1654_1-3.xad

Created: 10/24/2023 4:19:37 PM
 Modified: 10/24/2023 5:09:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : SCR_A

Number of peaks found: 3 Corr. Area 1: 779.0
 Noise: 0.1

Peak table for sample 10 : SCR_A

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 345 | 861.75 | 3,788.6 | |
| 3 | 2,585 | 29.11 | 17.1 | |
| 4 | 2,785 | 14.94 | 8.1 | |
| 5 | 10,380 | 75.00 | 10.9 | Upper Marker |

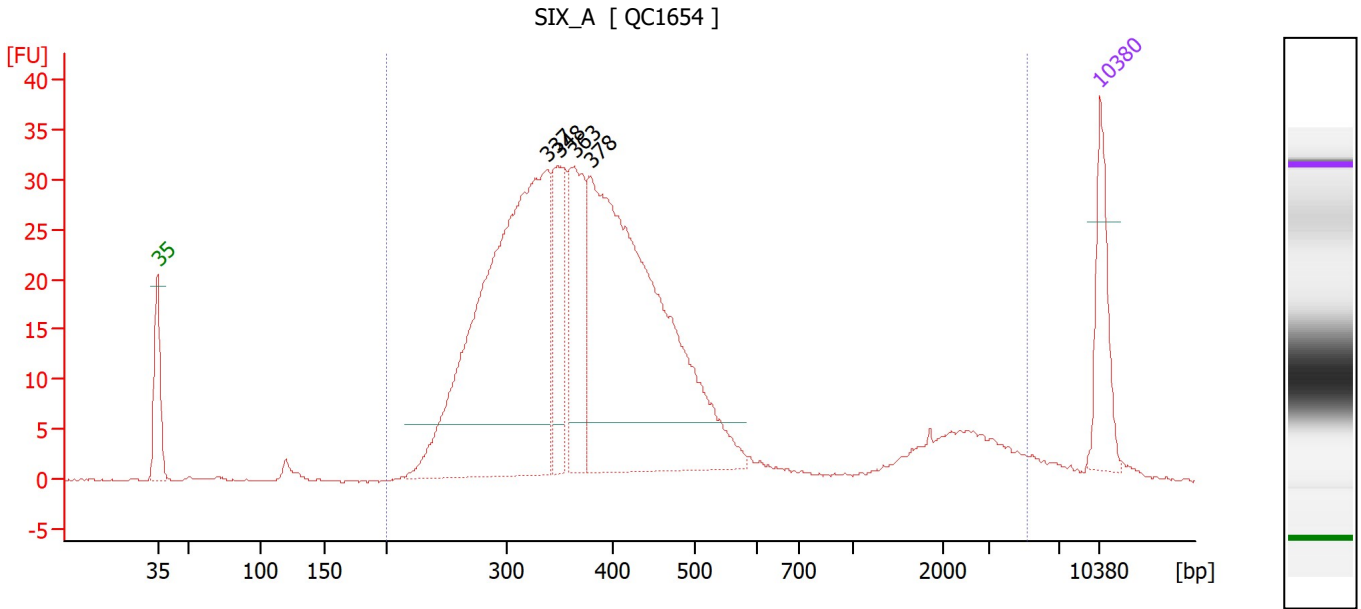
Region table for sample 10 : SCR_A

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 200 | 6,280 | 779.0 | 95 | 662 | 100.0 | 2,442.34 | 9,712.6 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-24\QC1654_1-3.xad

Created: 10/24/2023 4:19:37 PM
 Modified: 10/24/2023 5:09:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : SIX_A

Number of peaks found: 4 Corr. Area 1: 648.6
 Noise: 0.1

Peak table for sample 11 : SIX_A

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 337 | 808.75 | 3,634.0 | |
| 3 | 348 | 134.08 | 584.0 | |
| 4 | 363 | 170.46 | 712.3 | |
| 5 | 378 | 781.29 | 3,130.2 | |
| 6 | 10,380 | 75.00 | 10.9 | Upper Marker |

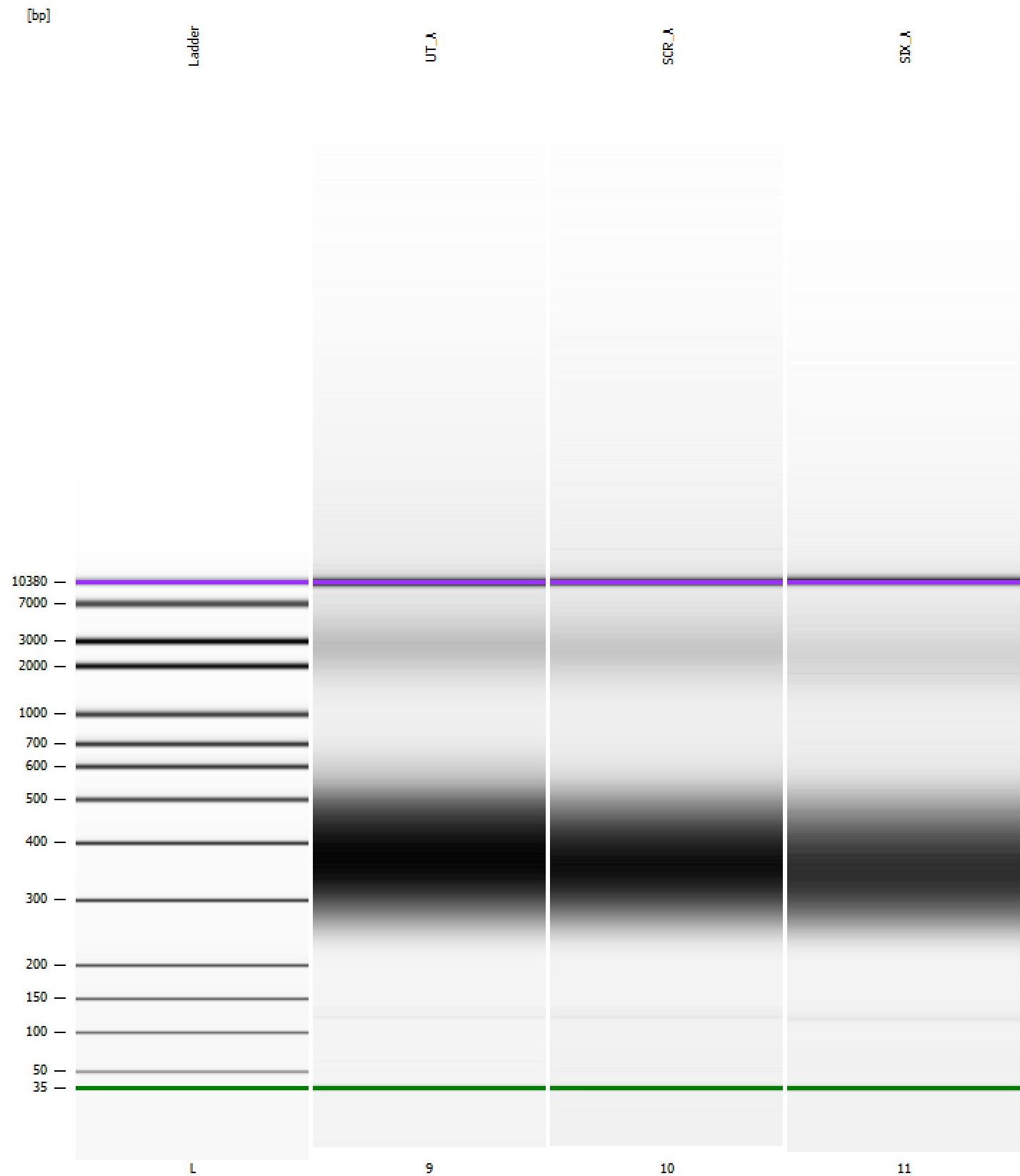
Region table for sample 11 : SIX_A

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 200 | 5,161 | 648.6 | 95 | 582 | 100.0 | 2,276.48 | 9,330.2 | Blue |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-24\QC1654_1-3.xad

Created: 10/24/2023 4:19:37 PM
Modified: 10/24/2023 5:09:19 PM

Gel Image

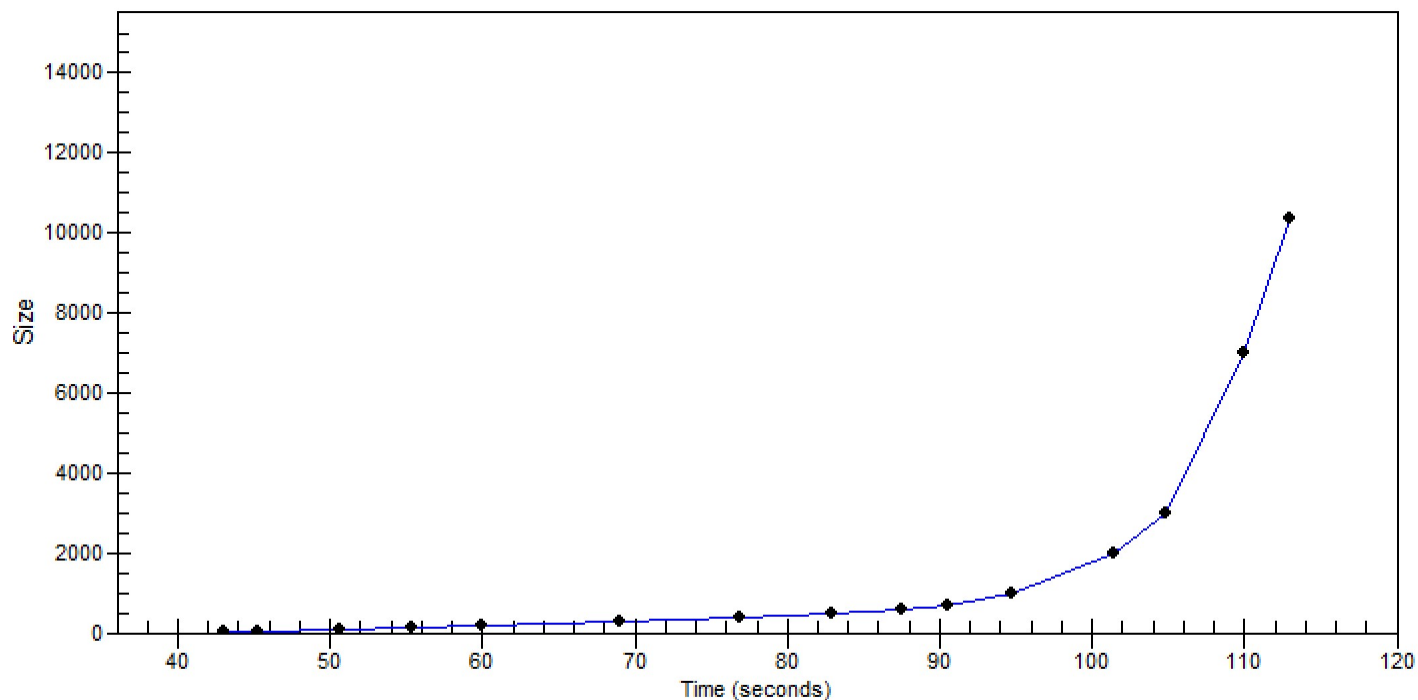


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-24\QC1654_1-3.xad

Created: 10/24/2023 4:19:37 PM
Modified: 10/24/2023 5:09:19 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-10-24\QC1654_1-3.xad

Created: 10/24/2023 4:19:37 PM
 Modified: 10/24/2023 5:09:19 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 | | 10/24/2023 5:00:58 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\2023-10-24\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2023-10-24_001.xad) | | Instrument | Run | | 10/24/2023 4:19:45 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Product Number : G2938C | | Instrument | Run | | 10/24/2023 4:19:45 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Name : | | Instrument | Run | | 10/24/2023 4:19:45 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Vendor : Agilent Technologies | | Instrument | Run | | 10/24/2023 4:19:45 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Serial# : DE34903152 | | Instrument | Run | | 10/24/2023 4:19:45 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Firmware : C.01.069 | | Instrument | Run | | 10/24/2023 4:19:45 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Cartridge : Electrode | | Instrument | Run | | 10/24/2023 4:19:45 PM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |