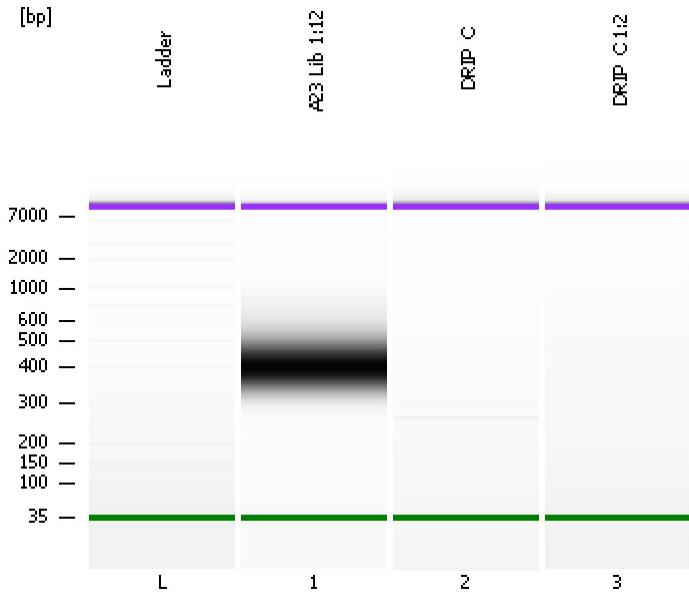


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ings\Bioanalyzer\2013-03-06\2013-03-06_002_DRIP_A23_Lib.xad

Created: 3/6/2013 12:01:47 PM
Modified: 3/6/2013 12:42:31 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

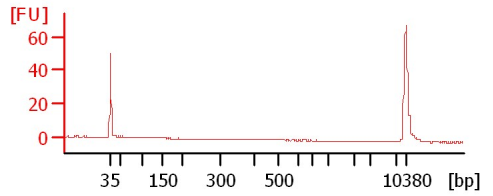
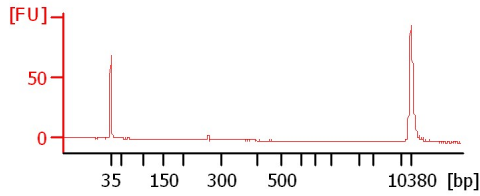
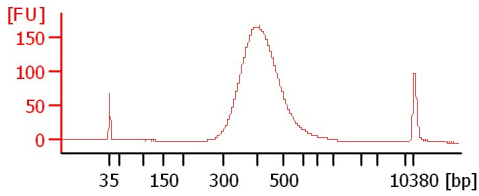
Chip Information:

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

A23 Lib 1:12

DRIP_C

DRIP_C 1:2



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ings\Bioanalyzer\2013-03-06\2013-03-06_002_DRIP_A23_Lib.xad

Created: 3/6/2013 12:01:47 PM
Modified: 3/6/2013 12:42:31 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|--------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| A23 Lib 1:12 | | <input type="checkbox"/> | ✓ | | | |
| DRIP_C | | <input type="checkbox"/> | ✓ | | | |
| DRIP_C 1:2 | | <input type="checkbox"/> | ✓ | | | |
| Ladder | | <input type="checkbox"/> | ✓ | | | |

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ings\Bioanalyzer\2013-03-06\2013-03-06_002_DRIP_A23_Lib.xad

Created: 3/6/2013 12:01:47 PM
Modified: 3/6/2013 12:42:31 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

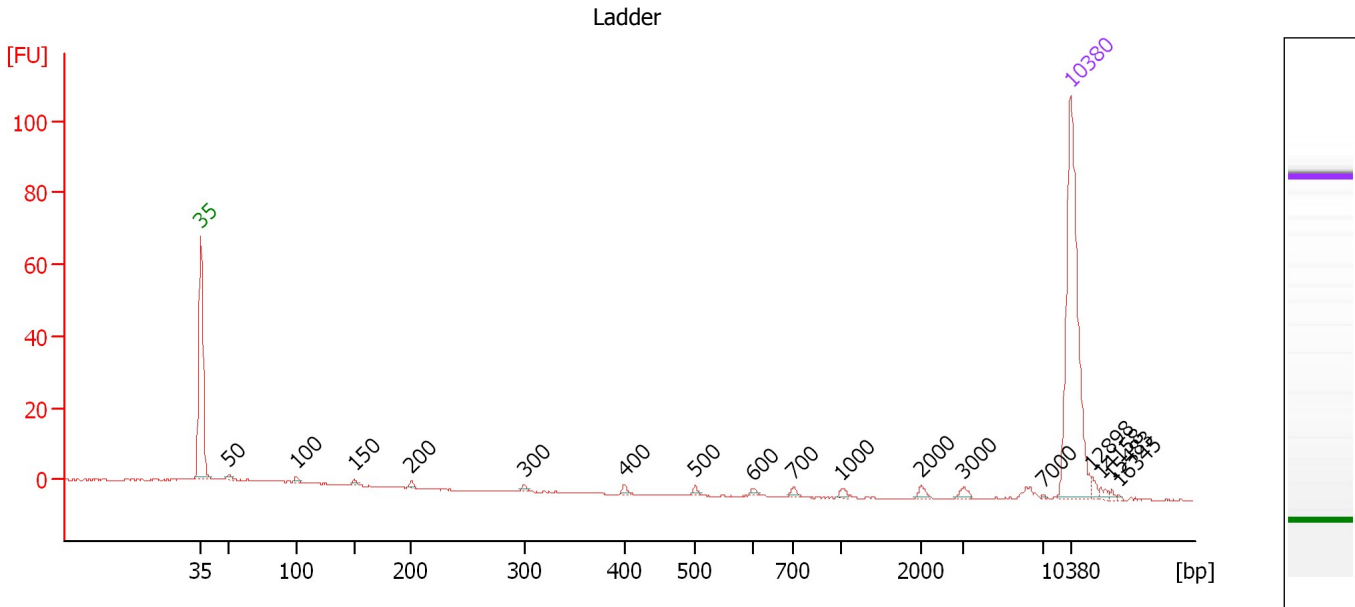
Ladder

| 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:\...ings\Bioanalyzer\2013-03-06\2013-03-06_002_DRIP_A23_Lib.xad

Created: 3/6/2013 12:01:47 PM
 Modified: 3/6/2013 12:42:31 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

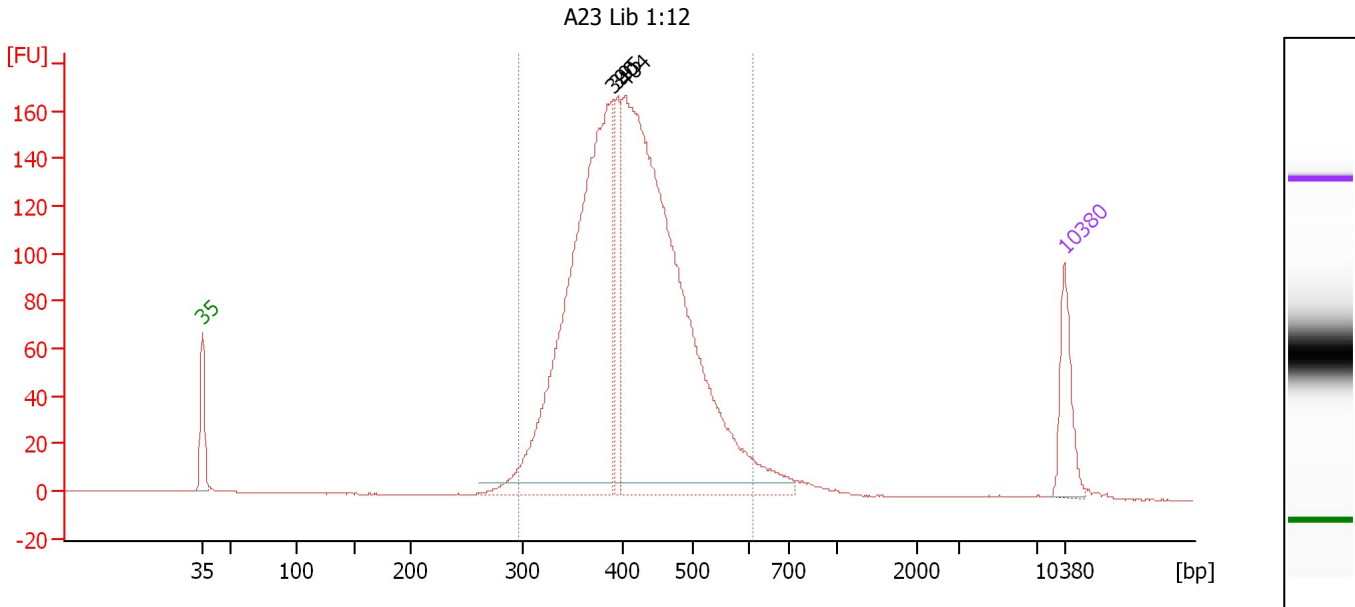
Peak table for Ladder

| 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 |
| 16 | 12,898 | 0.00 | 0.0 | |
| 17 | 14,158 | 0.00 | 0.0 | |
| 18 | 15,483 | 0.00 | 0.0 | |
| 19 | 16,345 | 0.00 | 0.0 | |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ings\Bioanalyzer\2013-03-06\2013-03-06_002_DRIP_A23_Lib.xad

Created: 3/6/2013 12:01:47 PM
 Modified: 3/6/2013 12:42:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : A23 Lib 1:12

Number of peaks found: 3 Corr. Area 1: 2,296.2
 Noise: 0.1

Peak table for sample 1 : A23 Lib 1:12

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 390 | 1,054.21 | 4,090.4 | |
| 3 | 395 | 143.58 | 550.3 | |
| 4 | 404 | 1,429.65 | 5,361.4 | |
| 5 | 10,380 | 75.00 | 10.9 | Upper Marker |

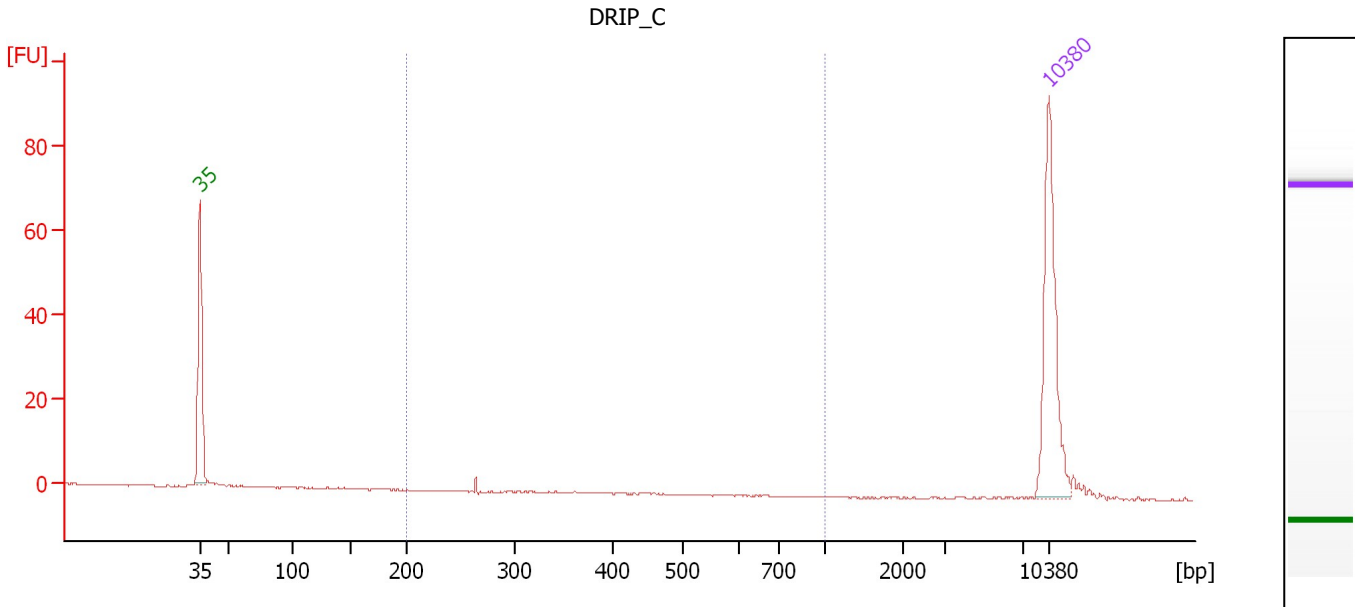
Region table for sample 1 : A23 Lib 1:12

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 297 | 608 | 417 | 9,643.0 | 2,586.47 | 2,296.2 | 95 | 14.8 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ings\Bioanalyzer\2013-03-06\2013-03-06_002_DRIP_A23_Lib.xad

Created: 3/6/2013 12:01:47 PM
 Modified: 3/6/2013 12:42:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : DRIP_C

Number of peaks found: 0 Corr. Area 1: 0.8
 Noise: 0.1

Peak table for sample 2 : DRIP_C

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 10,380 | 75.00 | 10.9 | Upper Marker |

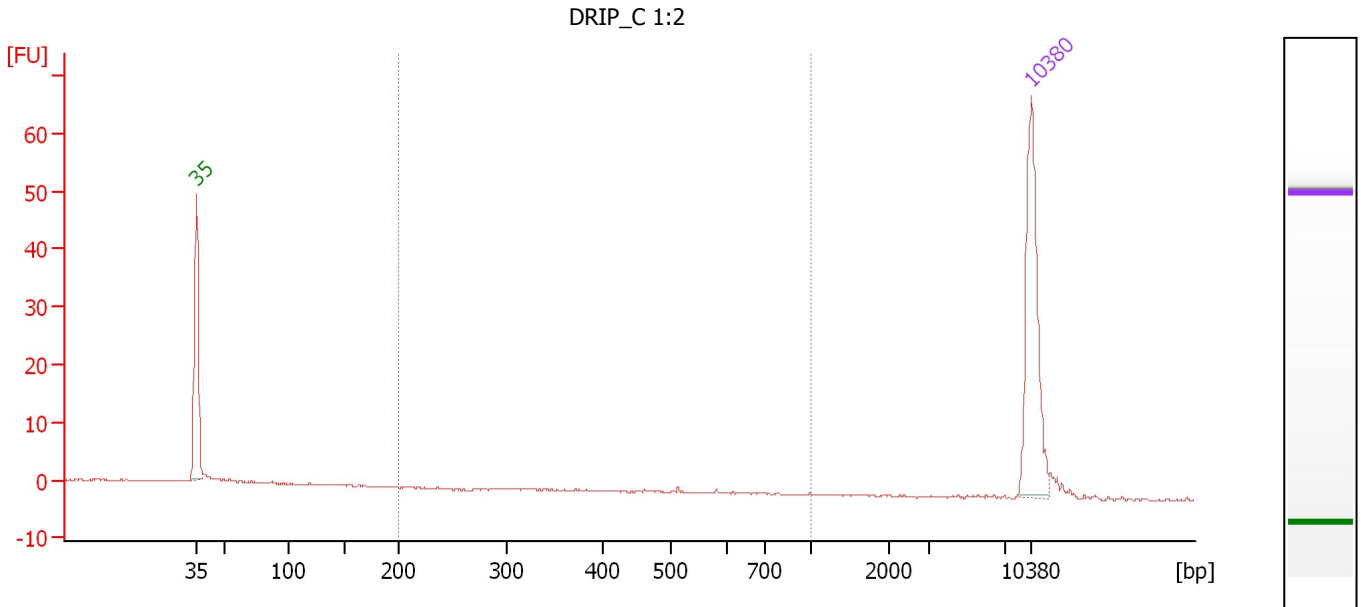
Region table for sample 2 : DRIP_C

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 200 | 1,000 | 267 | 6.0 | 1.06 | 0.8 | 7 | 6.0 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ings\Bioanalyzer\2013-03-06\2013-03-06_002_DRIP_A23_Lib.xad

Created: 3/6/2013 12:01:47 PM
 Modified: 3/6/2013 12:42:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : DRIP_C 1:2

Number of peaks found: 0 Corr. Area 1: 0.1
 Noise: 0.1

Peak table for sample 3 : DRIP_C 1:2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 10,380 | 75.00 | 10.9 | Upper Marker |

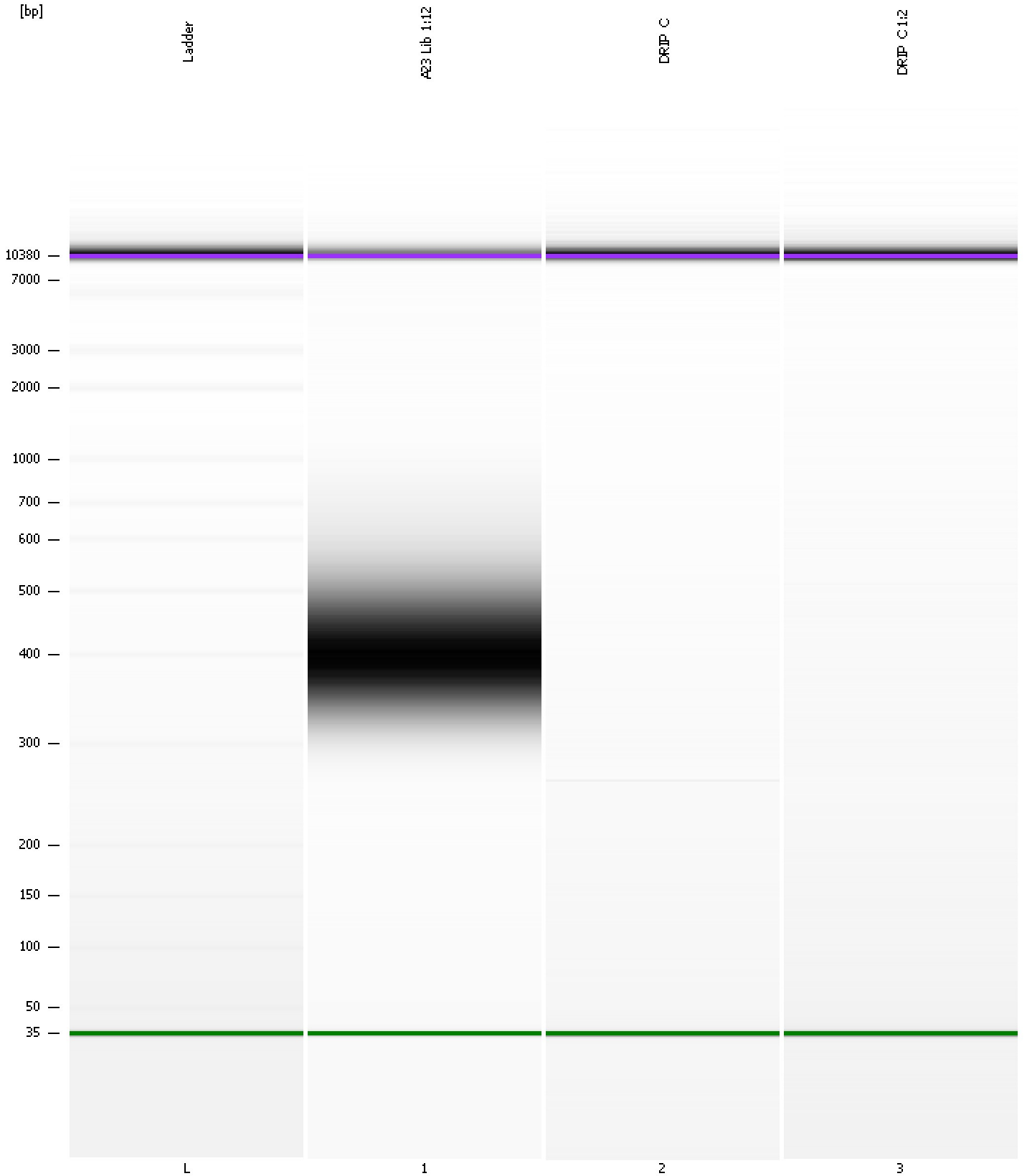
Region table for sample 3 : DRIP_C 1:2

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 200 | 1,000 | 538 | 0.4 | 0.15 | 0.1 | 1 | 6.7 | Blue |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ings\Bioanalyzer\2013-03-06\2013-03-06_002_DRIP_A23_Lib.xad

Created: 3/6/2013 12:01:47 PM
Modified: 3/6/2013 12:42:31 PM

Gel Image



Assay Class: High Sensitivity DNA Assay Created: 3/6/2013 12:01:47 PM
 Data Path: C:\...ings\Bioanalyzer\2013-03-06\2013-03-06_002_DRIP_A23_Lib.xad Modified: 3/6/2013 12:42:31 PM

Run Logbook

| Description | Number | Source | Category | Sub Category | Time | Time Zone | User | Host |
|---|--------|------------|----------|--------------|----------------------|-------------------------------------|----------|----------|
| Run ended on port 1 (Number of wells acquired: 9) | | Instrument | Run | | 3/6/2013 12:34:31 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-03-06\2013-03-06_002.xad) | | Instrument | Run | | 3/6/2013 12:01:53 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 3/6/2013 12:01:53 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 3/6/2013 12:01:53 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 3/6/2013 12:01:53 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 3/6/2013 12:01:53 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 3/6/2013 12:01:53 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 3/6/2013 12:01:53 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |