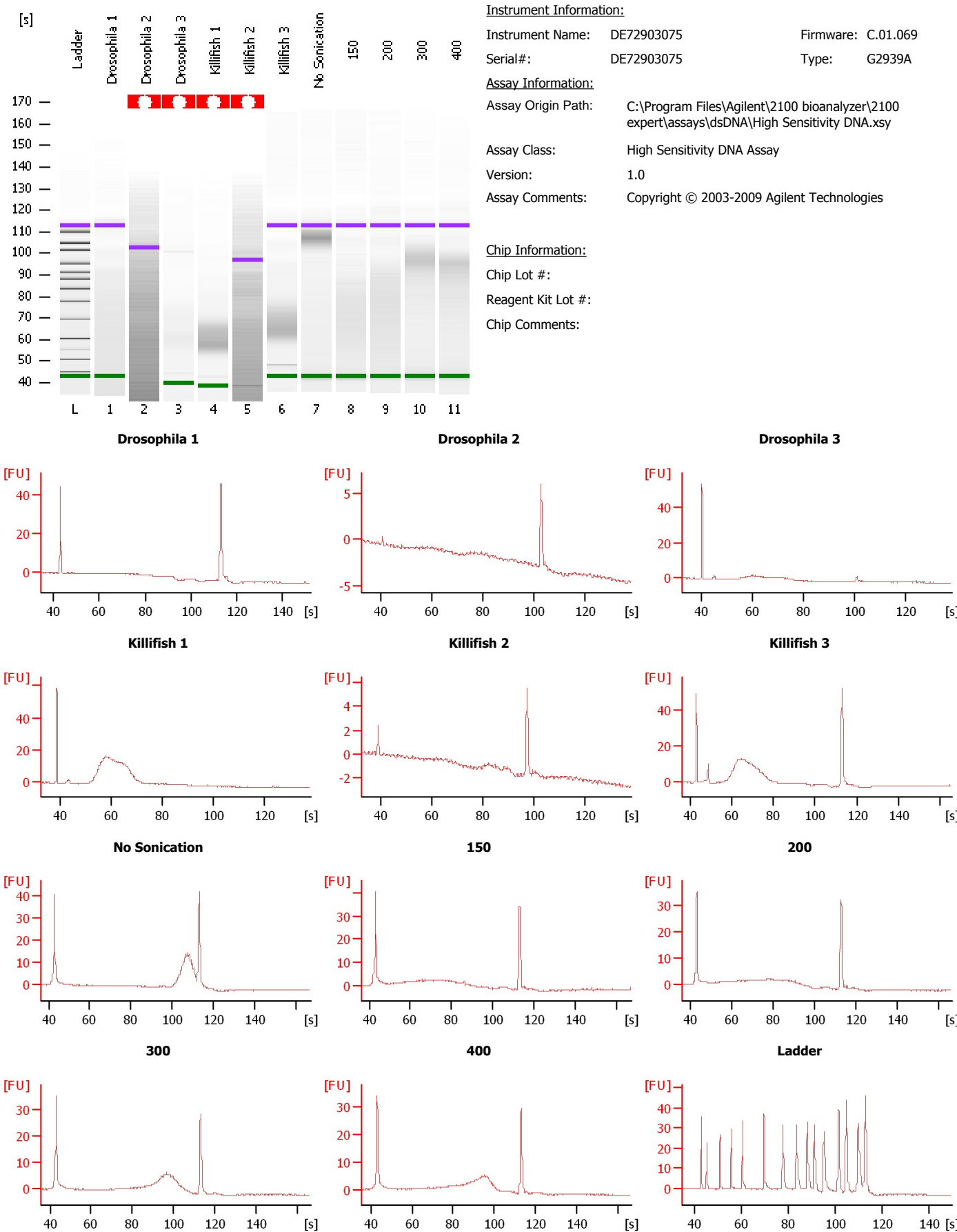


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-26_16-00-58.xad

Created: 26/07/2022 16:00:58
Modified: 26/07/2022 16:50:37

Electrophoresis File Run Summary



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-26_16-00-58.xad

Created: 26/07/2022 16:00:58
Modified: 26/07/2022 16:50:37

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|---------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| Drosophila 1 | | <input type="checkbox"/> | ✓ | | | |
| Drosophila 2 | | <input type="checkbox"/> | ✓ | | | |
| Drosophila 3 | | <input type="checkbox"/> | ✓ | | | |
| Killifish 1 | | <input type="checkbox"/> | ✓ | | | |
| Killifish 2 | | <input type="checkbox"/> | ✓ | | | |
| Killifish 3 | | <input type="checkbox"/> | ✓ | | | |
| No Sonication | | <input type="checkbox"/> | ✓ | | | |
| 150 | | <input type="checkbox"/> | ✓ | | | |
| 200 | | <input type="checkbox"/> | ✓ | | | |
| 300 | | <input type="checkbox"/> | ✓ | | | |
| 400 | | <input type="checkbox"/> | ✓ | | | |

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-26_16-00-58.xad

Created: 26/07/2022 16:00:58
Modified: 26/07/2022 16:50:37

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

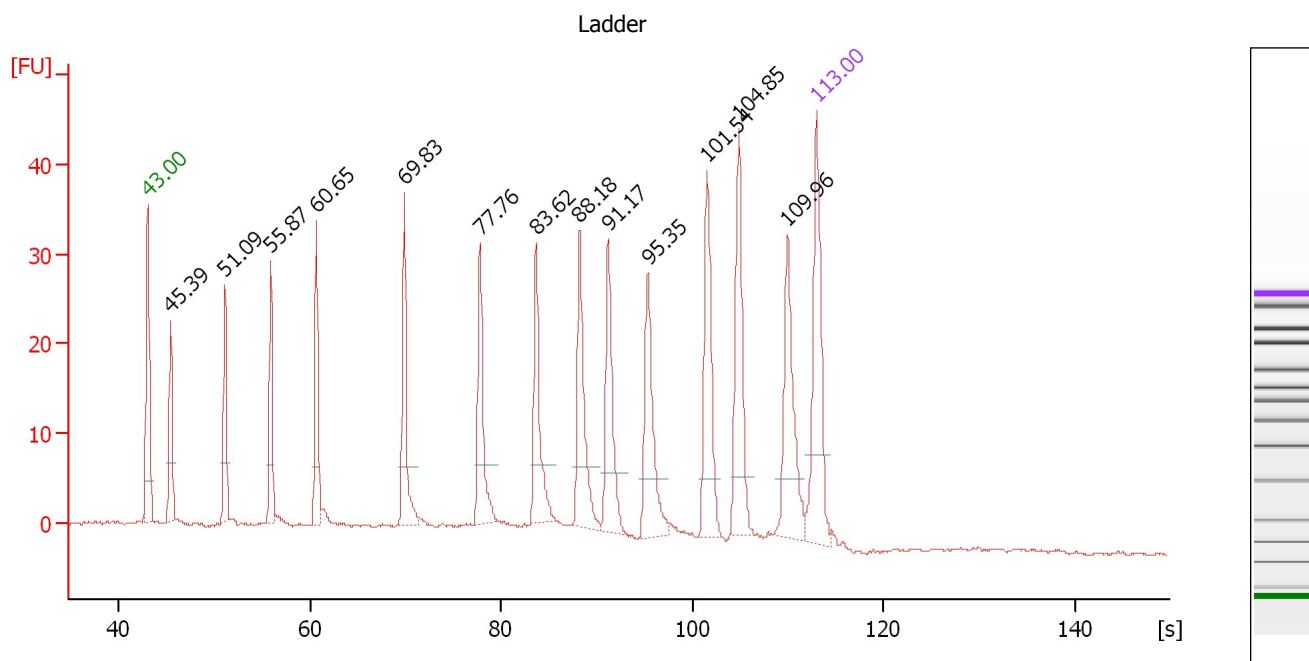
Ladder

| 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:\...gh Sensitivity DNA Assay_DE72903075_2022-07-26_16-00-58.xad

Created: 26/07/2022 16:00:58
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Electropherogram Summary



Setpoint Deviations for sample 12 : Ladder

Height Threshold [FU] : 20 Baseline Plateau [s] : 0.3
 Area Threshold : 0

Overall Results for Ladder

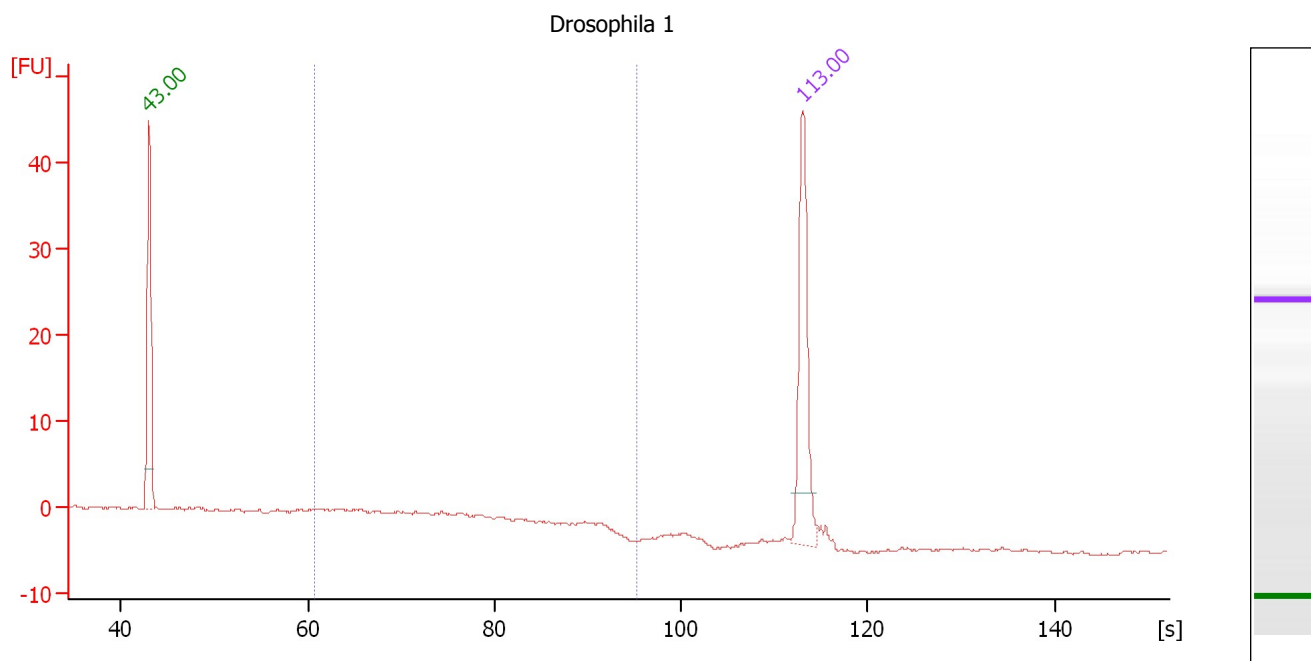
Noise: 0.2

Peak table for Ladder

| Peak | | Size [bp] | Conc. [pg/μl] |
|------|---|-----------|---------------|
| 1 | ◀ | 35 | 125.00 |
| 2 | ◀ | 50 | 150.00 |
| 3 | ◀ | 100 | 150.00 |
| 4 | ◀ | 150 | 150.00 |
| 5 | ◀ | 200 | 150.00 |
| 6 | ◀ | 300 | 150.00 |
| 7 | ◀ | 400 | 150.00 |
| 8 | ◀ | 500 | 150.00 |
| 9 | ◀ | 600 | 150.00 |
| 10 | ◀ | 700 | 150.00 |
| 11 | ◀ | 1,000 | 150.00 |
| 12 | ◀ | 2,000 | 150.00 |
| 13 | ◀ | 3,000 | 150.00 |
| 14 | ◀ | 7,000 | 150.00 |
| 15 | ▶ | 10,380 | 75.00 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-26_16-00-58.xad

Created: 26/07/2022 16:00:58
Modified: 26/07/2022 16:50:37

Electropherogram Summary Continued ...**Overall Results for sample 1 : Drosophila 1**

Number of peaks found: 0 Corr. Area 1: 34.1
Noise: 0.2

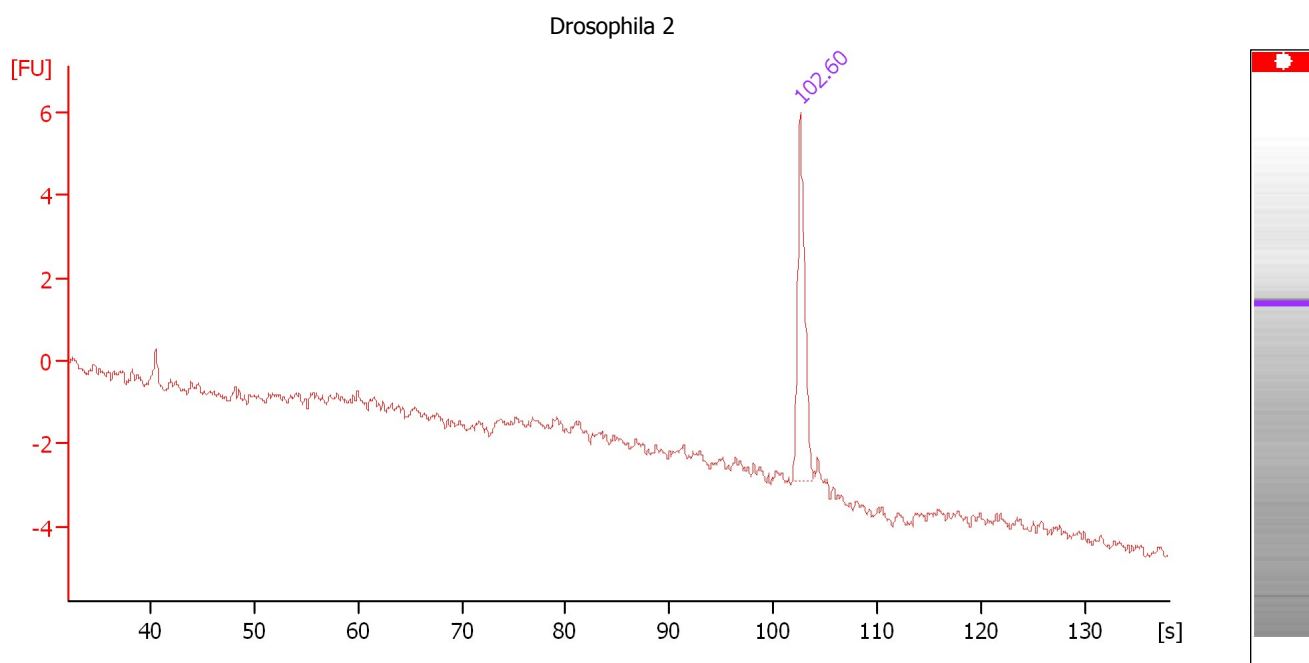
Peak table for sample 1 : Drosophila 1

| Peak | Size [bp] | Conc. [pg/μl] |
|------|-----------|---------------|
| 1 | 35 | 125.00 |
| 2 | 10,380 | 75.00 |

Region table for sample 1 : Drosophila 1

| Name | Average Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] |
|----------|-------------------|---------------|-------------------|
| Region 1 | 381 | 82.51 | 386.2 |

Created: 26/07/2022 16:00:58
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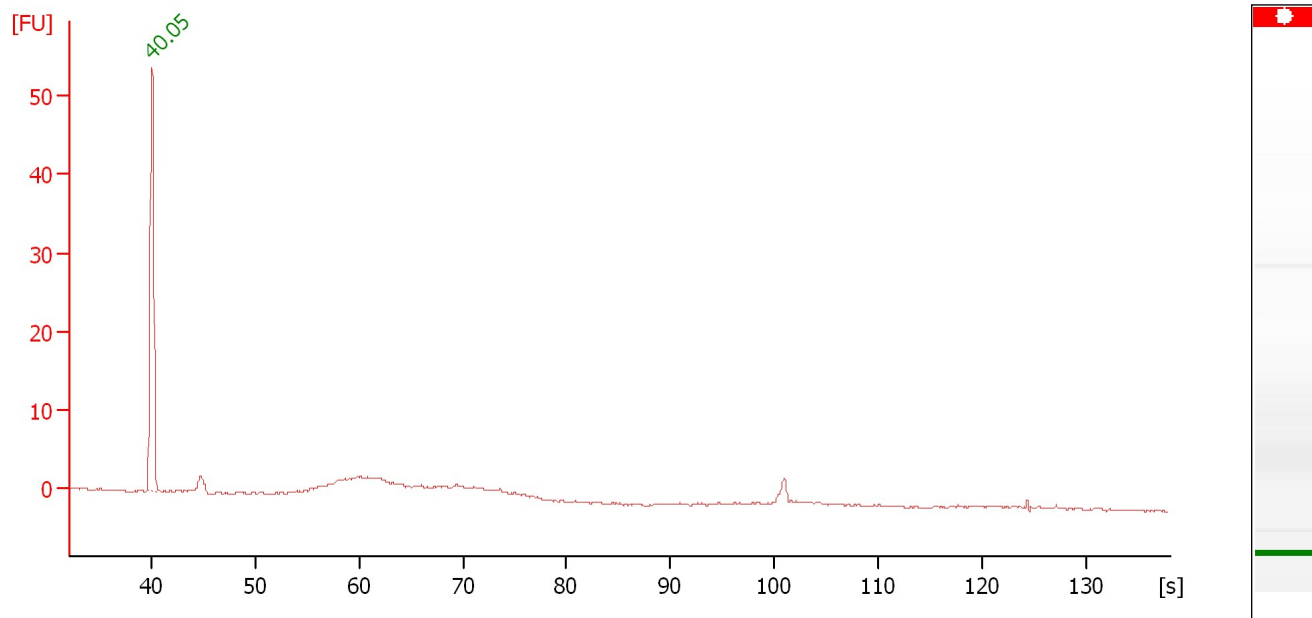


Number of peaks found: 0 Noise: 0.1

| Peak | Size [bp] | Conc. [pg/μl] |
|---|-----------|---------------|
| 1 | 0 | 0.00 |

Created: 26/07/2022 16:00:58
Modified: 26/07/2022 16:50:37

Drosophila 3



Number of peaks found: 0 Noise: 0.2

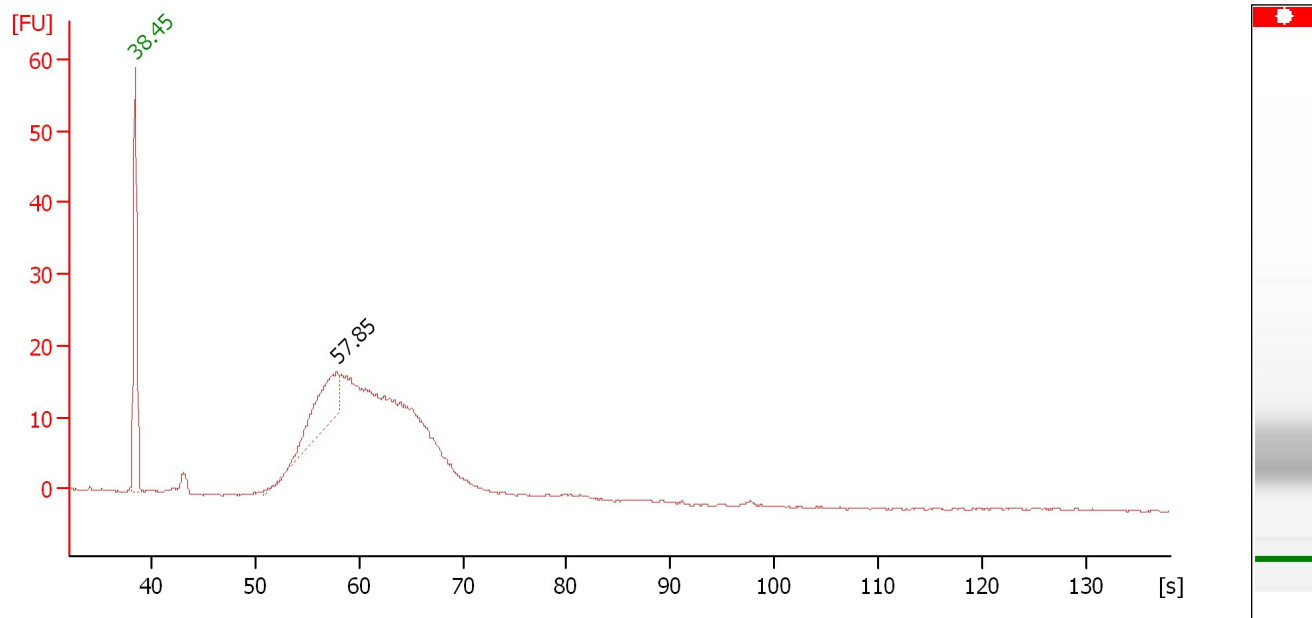
| Peak | Size [bp] | Conc. [pg/μl] |
|------|-----------|---------------|
| 1 | 0 | 0.00 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-26_16-00-58.xad

Created: 26/07/2022 16:00:58
Modified: 26/07/2022 16:50:37

Electropherogram Summary Continued ...

Killifish 1

**Overall Results for sample 4 : Killifish 1**

Number of peaks found: 1

Noise: 0.1

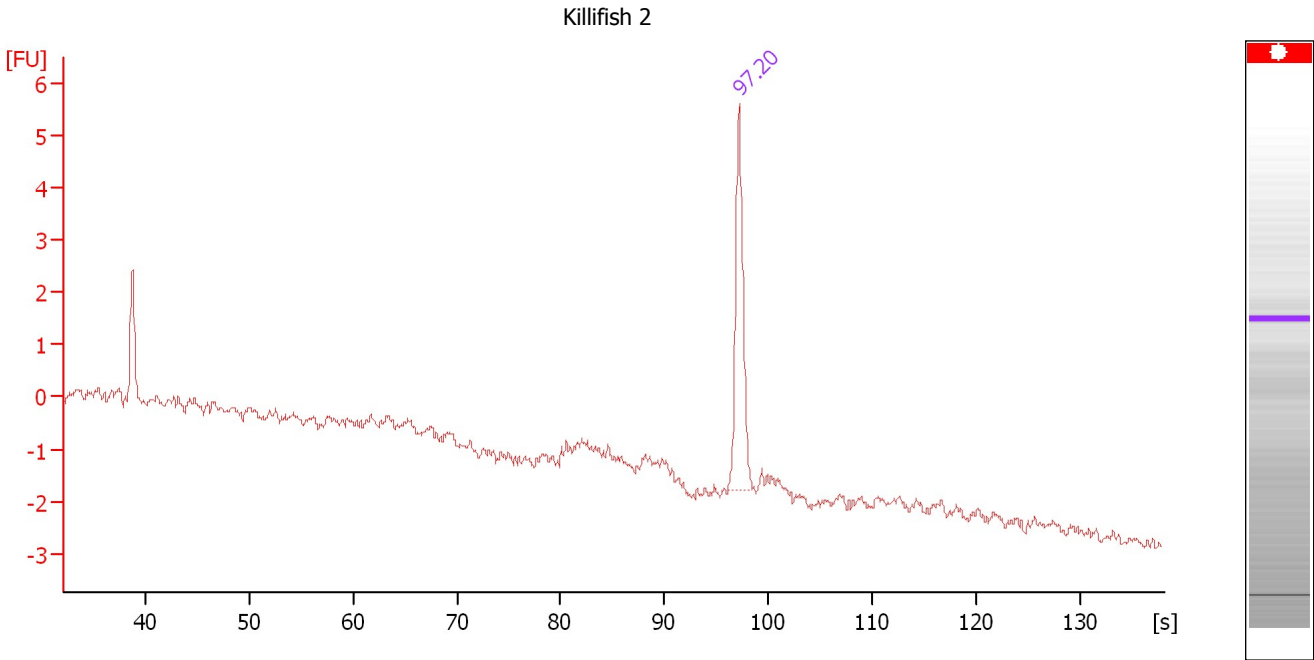
Peak table for sample 4 : Killifish 1

| Peak | Size [bp] | Conc. [pg/μl] |
|------|-----------|---------------|
| 1 | 0 | 0.00 |
| 2 | 0 | 0.00 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-26_16-00-58.xad

Created: 26/07/2022 16:00:58
Modified: 26/07/2022 16:50:37

Electropherogram Summary Continued ...



Overall Results for sample 5 : Killifish 2

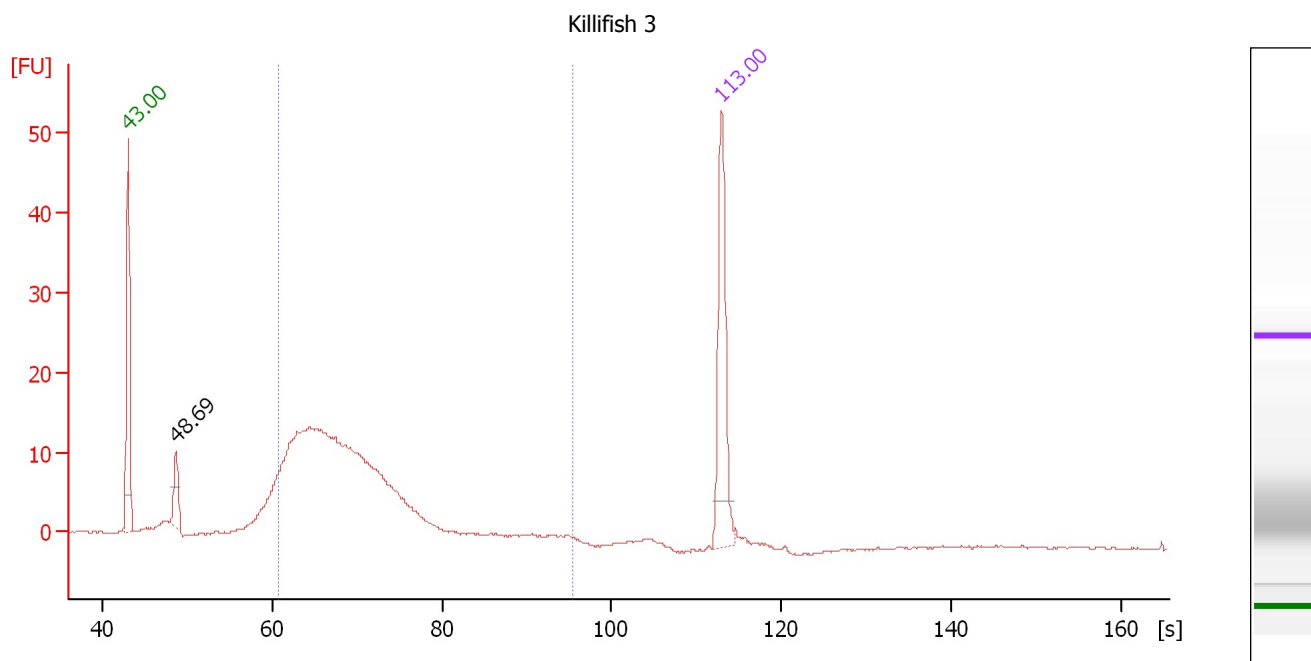
Number of peaks found: 0 Noise: 0.1

Peak table for sample 5 : Killifish 2

| Peak | | Size [bp] | Conc. [pg/μl] |
|------|---|-----------|---------------|
| 1 |  | 0 | 0.00 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-26_16-00-58.xad

Created: 26/07/2022 16:00:58
Modified: 26/07/2022 16:50:37

Electropherogram Summary Continued ...**Overall Results for sample 6 : Killifish 3**

Number of peaks found: 1 Corr. Area 1: 227.4
Noise: 0.1

Peak table for sample 6 : Killifish 3

| Peak | Size [bp] | Conc. [pg/μl] |
|------|-----------|---------------|
| 1 | 35 | 125.00 |
| 2 | 79 | 34.29 |
| 3 | 10,380 | 75.00 |

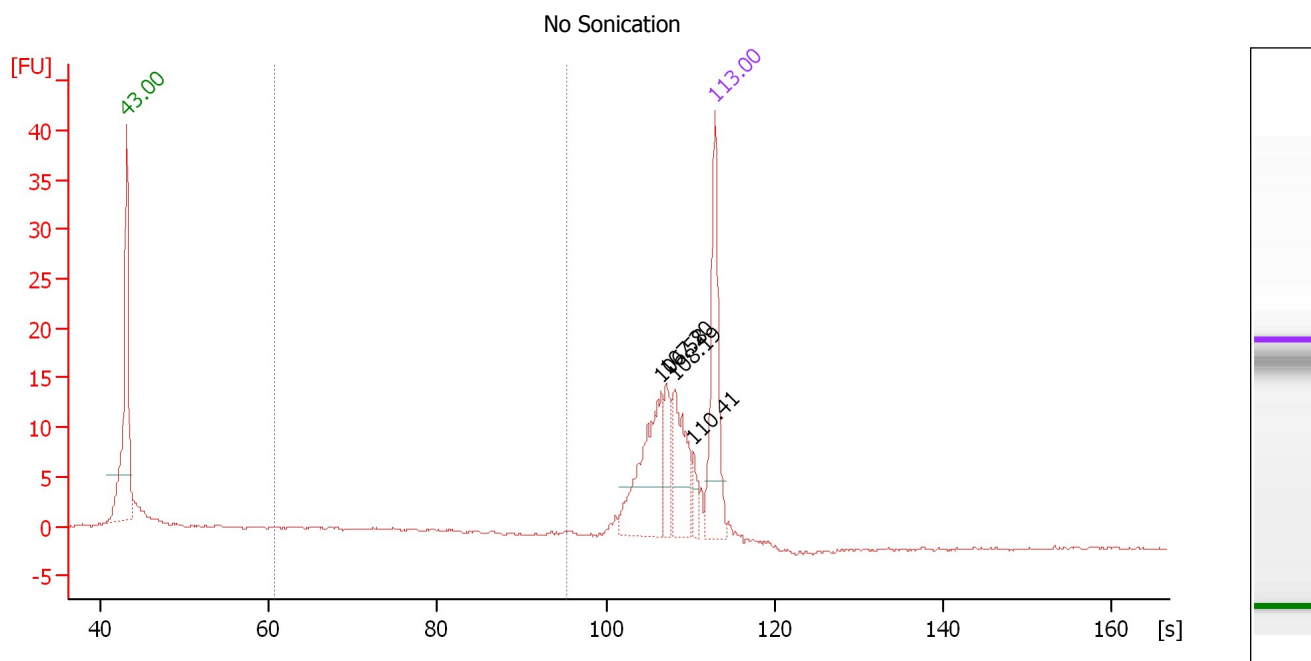
Region table for sample 6 : Killifish 3

| Name | Average Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] |
|----------|-------------------|---------------|-------------------|
| Region 1 | 283 | 573.90 | 3,203.7 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-26_16-00-58.xad

Created: 26/07/2022 16:00:58
 Modified: 26/07/2022 16:50:37

Electropherogram Summary Continued ...



Overall Results for sample 7 : No Sonication

Number of peaks found: 4 Corr. Area 1: 11.0
 Noise: 0.1

Peak table for sample 7 : No Sonication

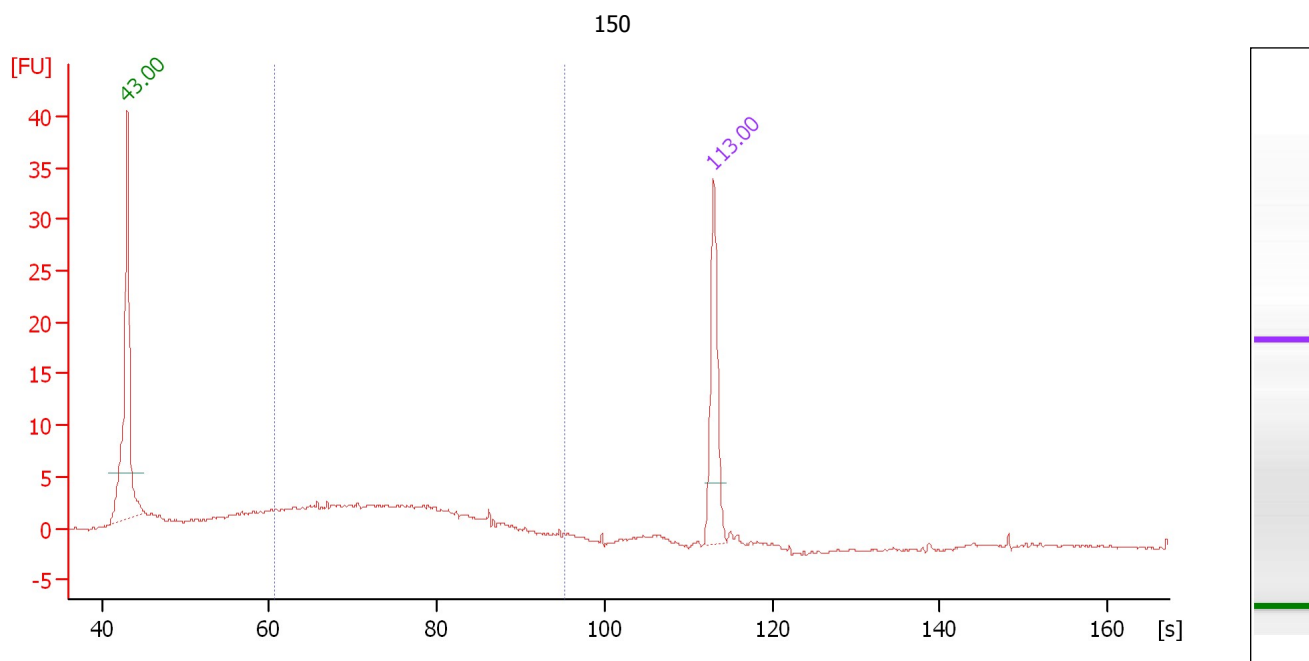
| Peak | Size [bp] | Conc. [pg/μl] |
|------|-----------|---------------|
| 1 | 35 | 125.00 |
| 2 | 4,353 | 80.34 |
| 3 | 4,836 | 21.57 |
| 4 | 5,610 | 50.27 |
| 5 | 7,499 | 9.96 |
| 6 | 10,380 | 75.00 |

Region table for sample 7 : No Sonication

| Name | Average Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] |
|----------|-------------------|---------------|-------------------|
| Region 1 | 418 | 31.94 | 144.6 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-26_16-00-58.xad

Created: 26/07/2022 16:00:58
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Electropherogram Summary Continued ...**Overall Results for sample 8 : 150**

Number of peaks found: 0 Corr. Area 1: 87.7
Noise: 0.1

Peak table for sample 8 : 150

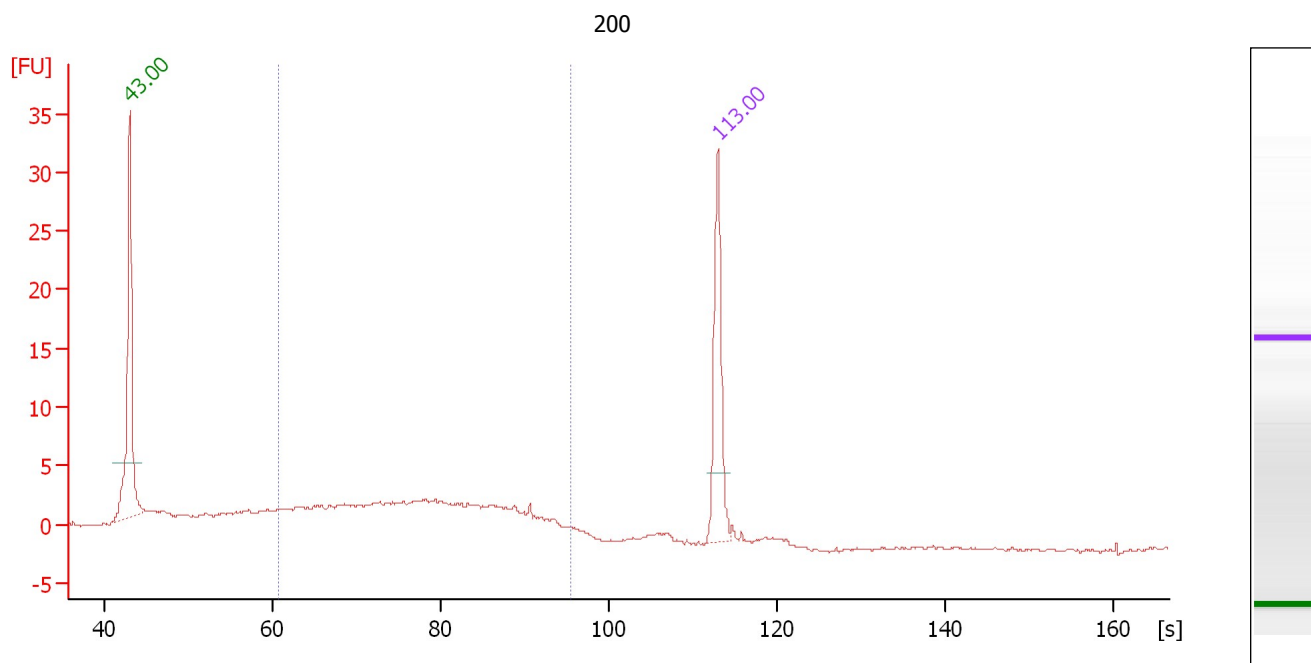
| Peak | Size [bp] | Conc. [pg/μl] |
|------|-----------|---------------|
| 1 | 35 | 125.00 |
| 2 | 10,380 | 75.00 |

Region table for sample 8 : 150

| Name | Average Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] |
|----------|-------------------|---------------|-------------------|
| Region 1 | 375 | 327.11 | 1,527.7 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-26_16-00-58.xad

Created: 26/07/2022 16:00:58
Modified: 26/07/2022 16:50:37

Electropherogram Summary Continued ...**Overall Results for sample 9 : 200**

Number of peaks found: 0 Corr. Area 1: 92.2
Noise: 0.1

Peak table for sample 9 : 200

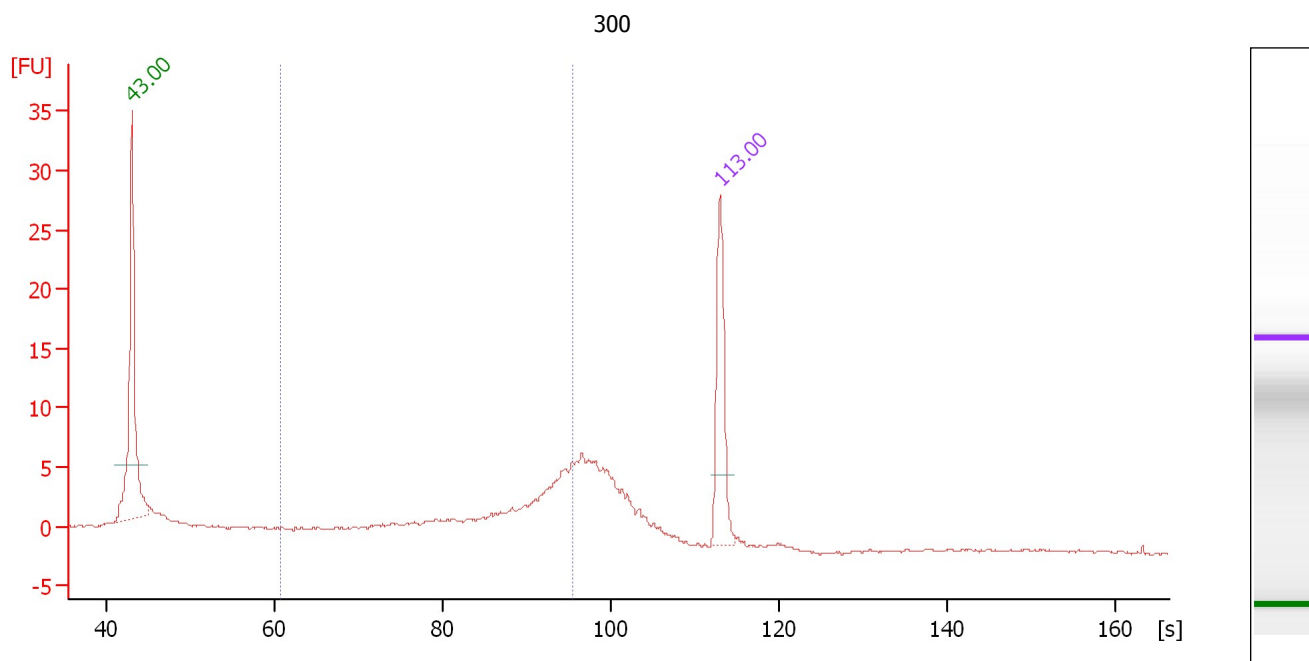
| Peak | Size [bp] | Conc. [pg/μl] |
|------|-----------|---------------|
| 1 | 35 | 125.00 |
| 2 | 10,380 | 75.00 |

Region table for sample 9 : 200

| Name | Average Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] |
|----------|-------------------|---------------|-------------------|
| Region 1 | 431 | 350.94 | 1,498.8 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-26_16-00-58.xad

Created: 26/07/2022 16:00:58
Modified: 26/07/2022 16:50:37

Electropherogram Summary Continued ...**Overall Results for sample 10 : 300**

Number of peaks found: 0 Corr. Area 1: 57.3
Noise: 0.1

Peak table for sample 10 : 300

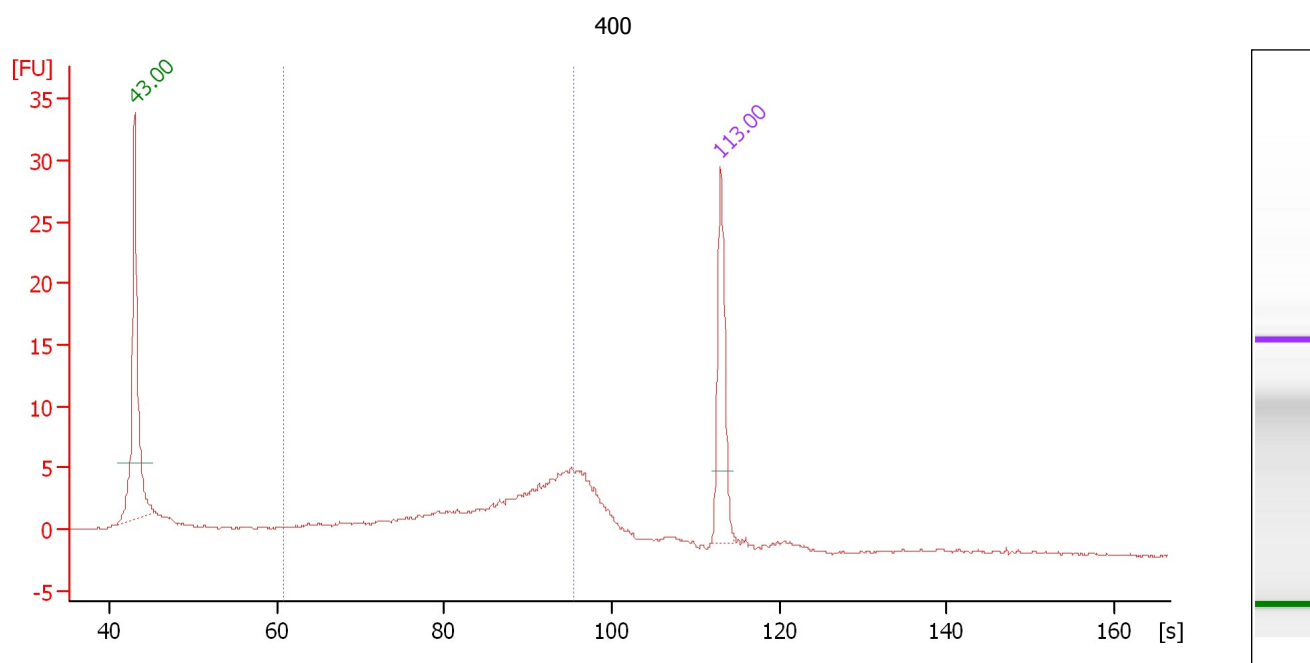
| Peak | Size [bp] | Conc. [pg/μl] |
|------|-----------|---------------|
| 1 | 35 | 125.00 |
| 2 | 10,380 | 75.00 |

Region table for sample 10 : 300

| Name | Average Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] |
|----------|-------------------|---------------|-------------------|
| Region 1 | 632 | 214.98 | 637.4 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-26_16-00-58.xad

Created: 26/07/2022 16:00:58
 Modified: 26/07/2022 16:50:37

Electropherogram Summary Continued ...**Overall Results for sample 11 : 400**

Number of peaks found: 0 Corr. Area 1: 87.7
 Noise: 0.1

Peak table for sample 11 : 400

| Peak | Size [bp] | Conc. [pg/μl] |
|------|-----------|---------------|
| 1 | 35 | 125.00 |
| 2 | 10,380 | 75.00 |

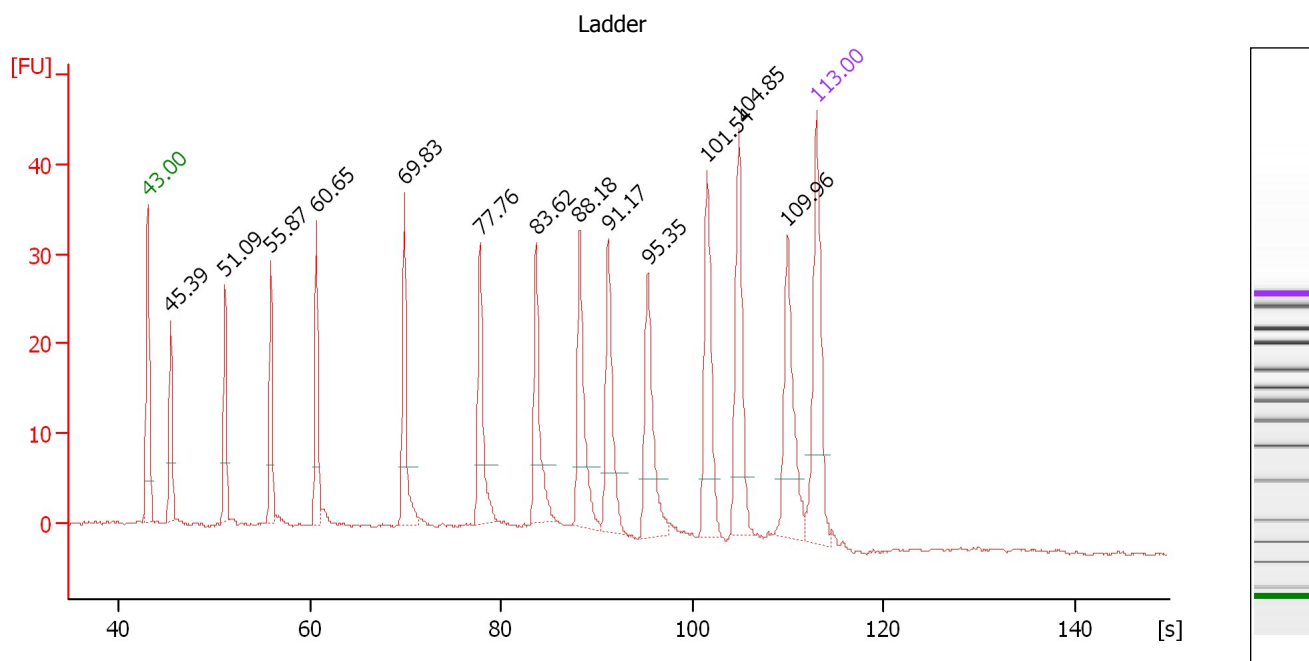
Region table for sample 11 : 400

| Name | Average Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] |
|----------|-------------------|---------------|-------------------|
| Region 1 | 576 | 343.38 | 1,144.0 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-26_16-00-58.xad

Created: 26/07/2022 16:00:58
 Modified: 26/07/2022 16:50:37

Electropherogram Summary Continued ...



Setpoint Deviations for sample 12 : Ladder

Height Threshold [FU] : 20 Baseline Plateau [s] : 0.3
 Area Threshold : 0

Overall Results for Ladder

Noise: 0.2

Peak table for Ladder

| Peak | | Size [bp] | Conc. [pg/μl] |
|------|---|-----------|---------------|
| 1 | ◀ | 35 | 125.00 |
| 2 | ◀ | 50 | 150.00 |
| 3 | ◀ | 100 | 150.00 |
| 4 | ◀ | 150 | 150.00 |
| 5 | ◀ | 200 | 150.00 |
| 6 | ◀ | 300 | 150.00 |
| 7 | ◀ | 400 | 150.00 |
| 8 | ◀ | 500 | 150.00 |
| 9 | ◀ | 600 | 150.00 |
| 10 | ◀ | 700 | 150.00 |
| 11 | ◀ | 1,000 | 150.00 |
| 12 | ◀ | 2,000 | 150.00 |
| 13 | ◀ | 3,000 | 150.00 |
| 14 | ◀ | 7,000 | 150.00 |
| 15 | ▶ | 10,380 | 75.00 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE72903075_2022-07-26_16-00-58.xad

Created: 26/07/2022 16:00:58
Modified: 26/07/2022 16:50:37

Gel Image

