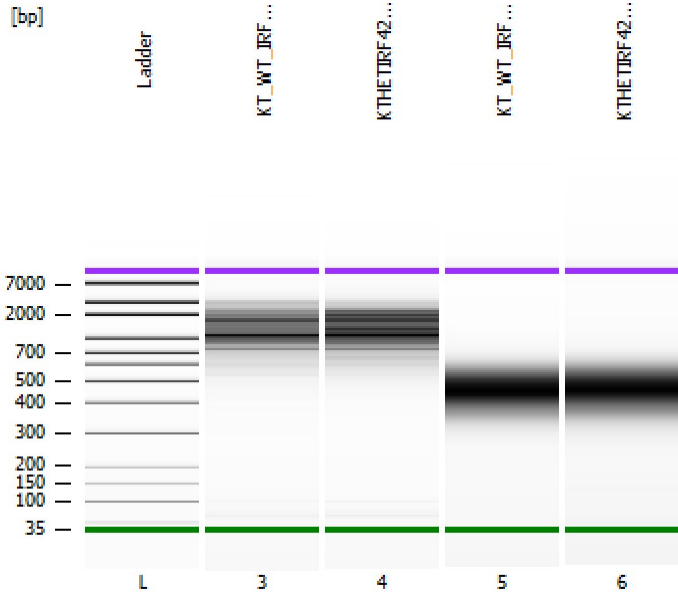


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...er\2100 expert\data\2024-06-27\10XSC0355 cDNA & Library.xad

Created: 6/27/2024 8:33:42 AM
 Modified: 6/27/2024 9:42:28 AM

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

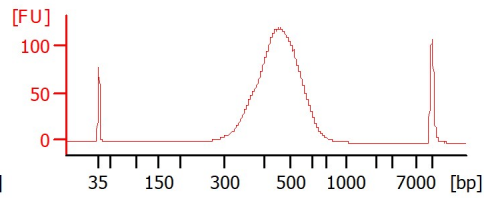
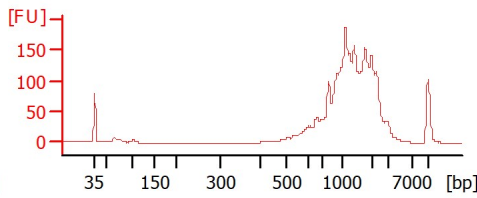
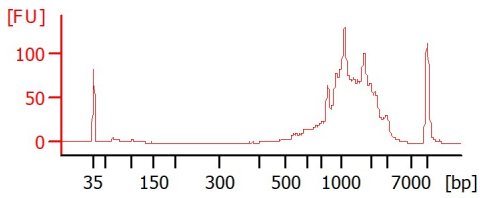
Chip Information:

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

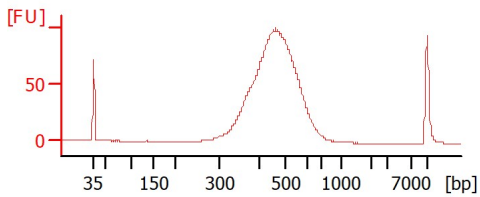
KT_WT_IRF4_2 cDNA

KTHETIRF42 cDNA

KT_WT_IRF4_2 Library



KTHETIRF42 Library



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...er\2100 expert\data\2024-06-27\10XSC0355 cDNA & Library.xad

Created: 6/27/2024 8:33:42 AM
Modified: 6/27/2024 9:42:28 AM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status Observation | Result Label | Result Color |
|----------------------|----------------|--------------------------|--------------------|--------------|--------------|
| KT_WT_IRF4_2 cDNA | | <input type="checkbox"/> | ✓ | | |
| KTHETIRF42 cDNA | | <input type="checkbox"/> | ✓ | | |
| KT_WT_IRF4_2 Library | | <input type="checkbox"/> | ✓ | | |
| KTHETIRF42 Library | | <input type="checkbox"/> | ✓ | | |
| Ladder | | <input type="checkbox"/> | ✓ | | |

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...er\2100 expert\data\2024-06-27\10XSC0355 cDNA & Library.xad

Created: 6/27/2024 8:33:42 AM
 Modified: 6/27/2024 9:42:28 AM

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

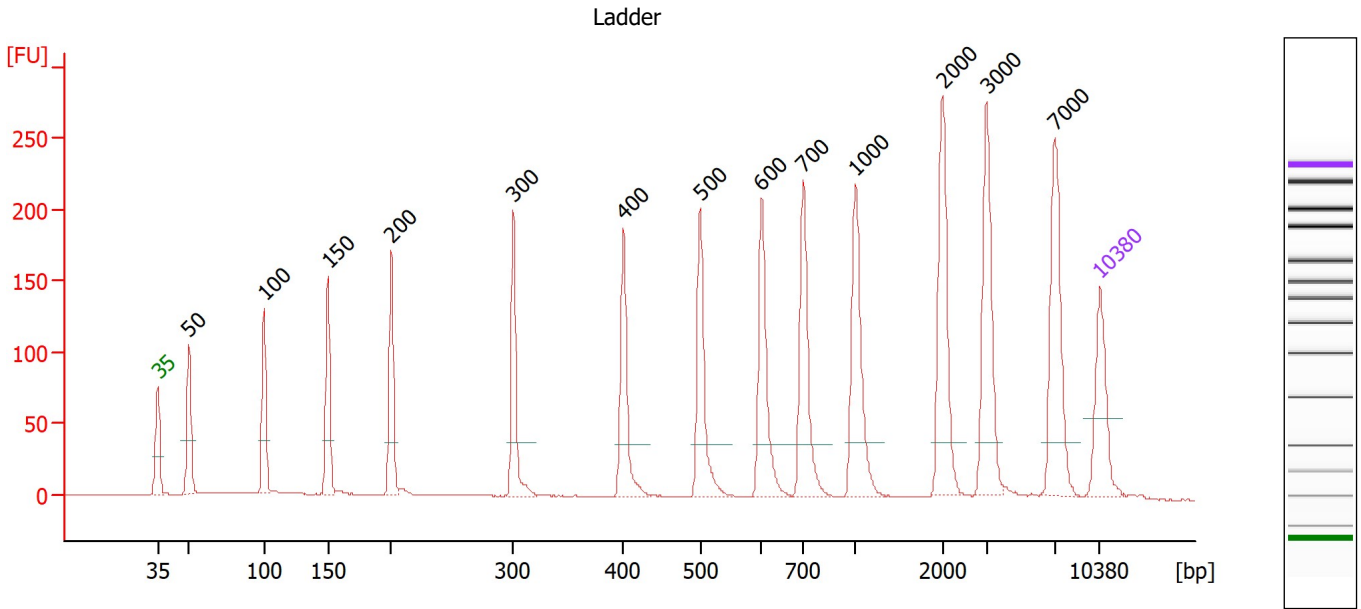
Ladder

| 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:\...er\2100 expert\data\2024-06-27\10XSC0355 cDNA & Library.xad

Created: 6/27/2024 8:33:42 AM
 Modified: 6/27/2024 9:42:28 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

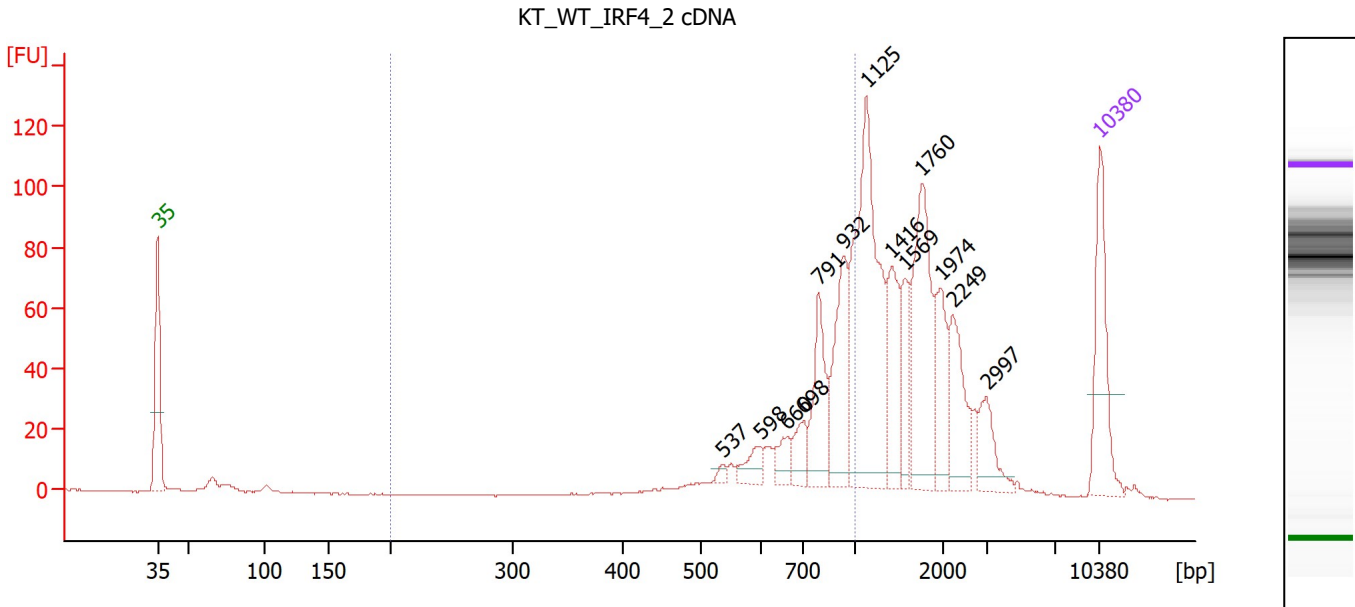
Peak table for Ladder

| 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:\...er\2100 expert\data\2024-06-27\10XSC0355 cDNA & Library.xad

Created: 6/27/2024 8:33:42 AM
 Modified: 6/27/2024 9:42:28 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : KT_WT_IRF4_2 cDNA

Number of peaks found: 13 Corr. Area 1: 355.2
 Noise: 0.2

Peak table for sample 3 : KT_WT_IRF4_2 cDNA

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 537 | 5.62 | 15.9 | |
| 3 | 598 | 20.79 | 52.6 | |
| 4 | 660 | 20.62 | 47.4 | |
| 5 | 698 | 27.29 | 59.2 | |
| 6 | 791 | 72.36 | 138.7 | |
| 7 | 932 | 87.61 | 142.4 | |
| 8 | 1,125 | 240.45 | 323.8 | |
| 9 | 1,416 | 65.94 | 70.6 | |
| 10 | 1,569 | 41.61 | 40.2 | |
| 11 | 1,760 | 124.38 | 107.1 | |
| 12 | 1,974 | 55.22 | 42.4 | |
| 13 | 2,249 | 58.84 | 39.6 | |
| 14 | 2,997 | 34.16 | 17.3 | |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker |

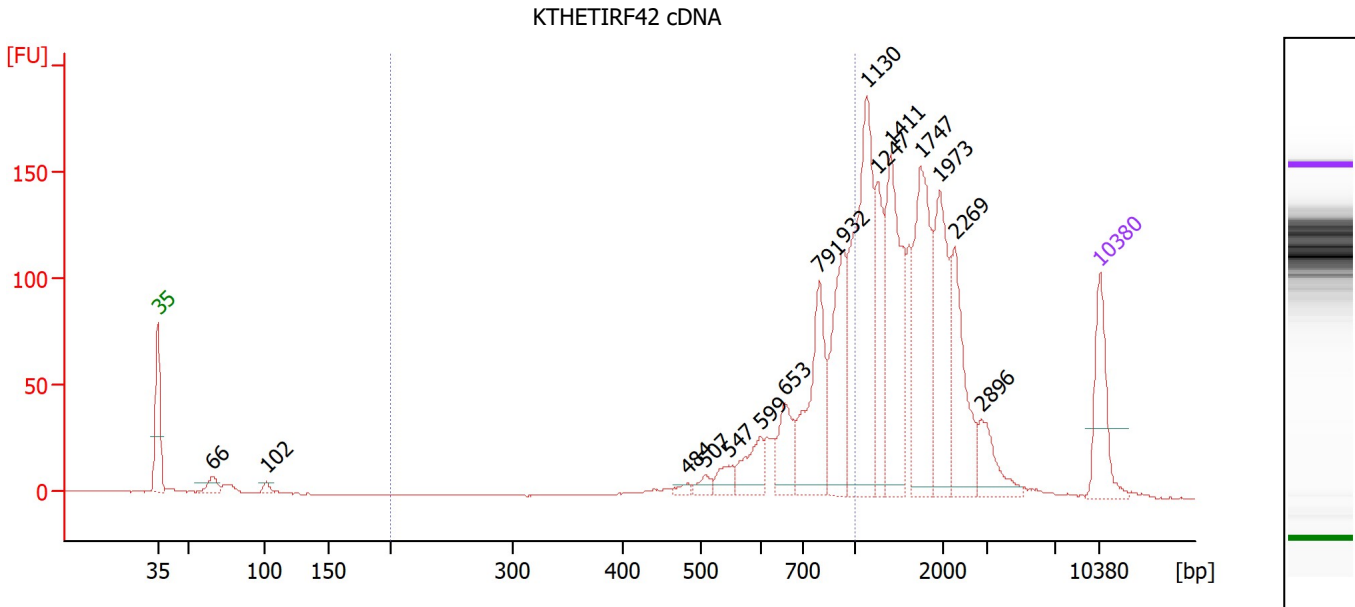
Region table for sample 3 : KT_WT_IRF4_2 cDNA

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 200 | 1,000 | 355.2 | 32 | 781 | 19.6 | 353.10 | 722.7 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...er\2100 expert\data\2024-06-27\10XSC0355 cDNA & Library.xad

Created: 6/27/2024 8:33:42 AM
 Modified: 6/27/2024 9:42:28 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : KTHETIRF42 cDNA

Number of peaks found: 16 Corr. Area 1: 568.9
 Noise: 0.2

Peak table for sample 4 : KTHETIRF42 cDNA

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 66 | 24.29 | 557.7 | |
| 3 | 102 | 10.25 | 152.1 | |
| 4 | 484 | 7.71 | 24.2 | |
| 5 | 507 | 13.34 | 39.8 | |
| 6 | 547 | 23.41 | 64.9 | |
| 7 | 599 | 52.48 | 132.8 | |
| 8 | 653 | 62.48 | 144.9 | |
| 9 | 791 | 157.50 | 301.8 | |
| 10 | 932 | 143.92 | 234.0 | |
| 11 | 1,130 | 291.37 | 390.8 | |
| 12 | 1,247 | 94.20 | 114.5 | |
| 13 | 1,411 | 193.22 | 207.5 | |
| 14 | 1,747 | 184.61 | 160.1 | |
| 15 | 1,973 | 133.50 | 102.5 | |
| 16 | 2,269 | 117.03 | 78.1 | |
| 17 | 2,896 | 48.01 | 25.1 | |
| 18 | 10,380 | 75.00 | 10.9 | Upper Marker |

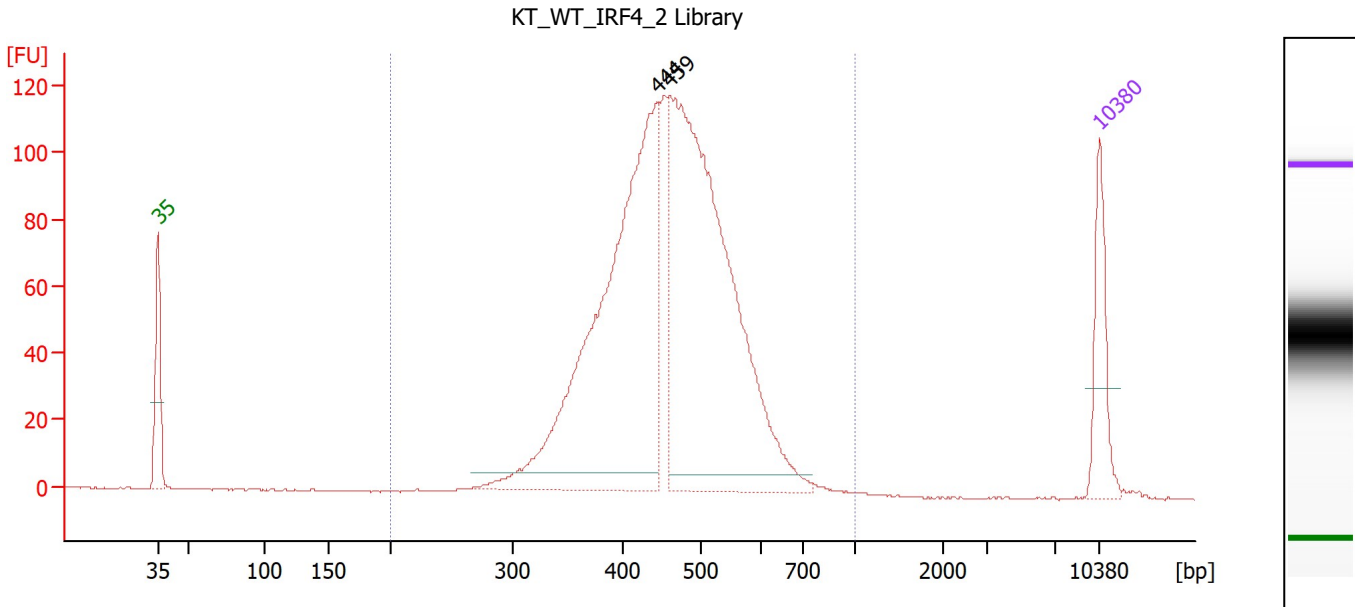
Region table for sample 4 : KTHETIRF42 cDNA

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 200 | 1,000 | 568.9 | 31 | 774 | 19.4 | 572.17 | 1,179.6 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...er\2100 expert\data\2024-06-27\10XSC0355 cDNA & Library.xad

Created: 6/27/2024 8:33:42 AM
 Modified: 6/27/2024 9:42:28 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : KT_WT_IRF4_2 Library

Number of peaks found: 2 Corr. Area 1: 1,563.7
 Noise: 0.2

Peak table for sample 5 : KT_WT_IRF4_2 Library

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 444 | 812.15 | 2,772.1 | |
| 3 | 459 | 889.52 | 2,934.0 | |
| 4 | 10,380 | 75.00 | 10.9 | Upper Marker |

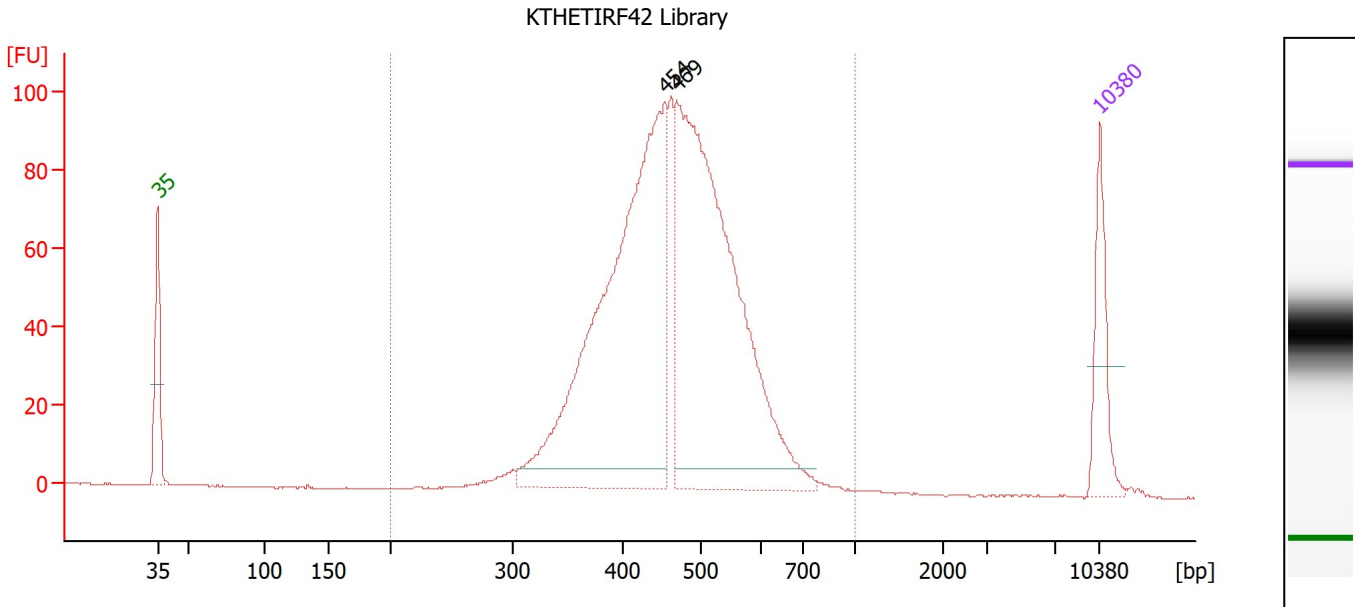
Region table for sample 5 : KT_WT_IRF4_2 Library

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 200 | 1,000 | 1,563.7 | 100 | 461 | 16.8 | 1,837.03 | 6,260.1 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...er\2100 expert\data\2024-06-27\10XSC0355 cDNA & Library.xad

Created: 6/27/2024 8:33:42 AM
 Modified: 6/27/2024 9:42:28 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : KTHETIRF42 Library

Number of peaks found: 2 Corr. Area 1: 1,320.9
 Noise: 0.2

Peak table for sample 6 : KTHETIRF42 Library

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 454 | 829.08 | 2,767.0 | |
| 3 | 469 | 811.99 | 2,623.3 | |
| 4 | 10,380 | 75.00 | 10.9 | Upper Marker |

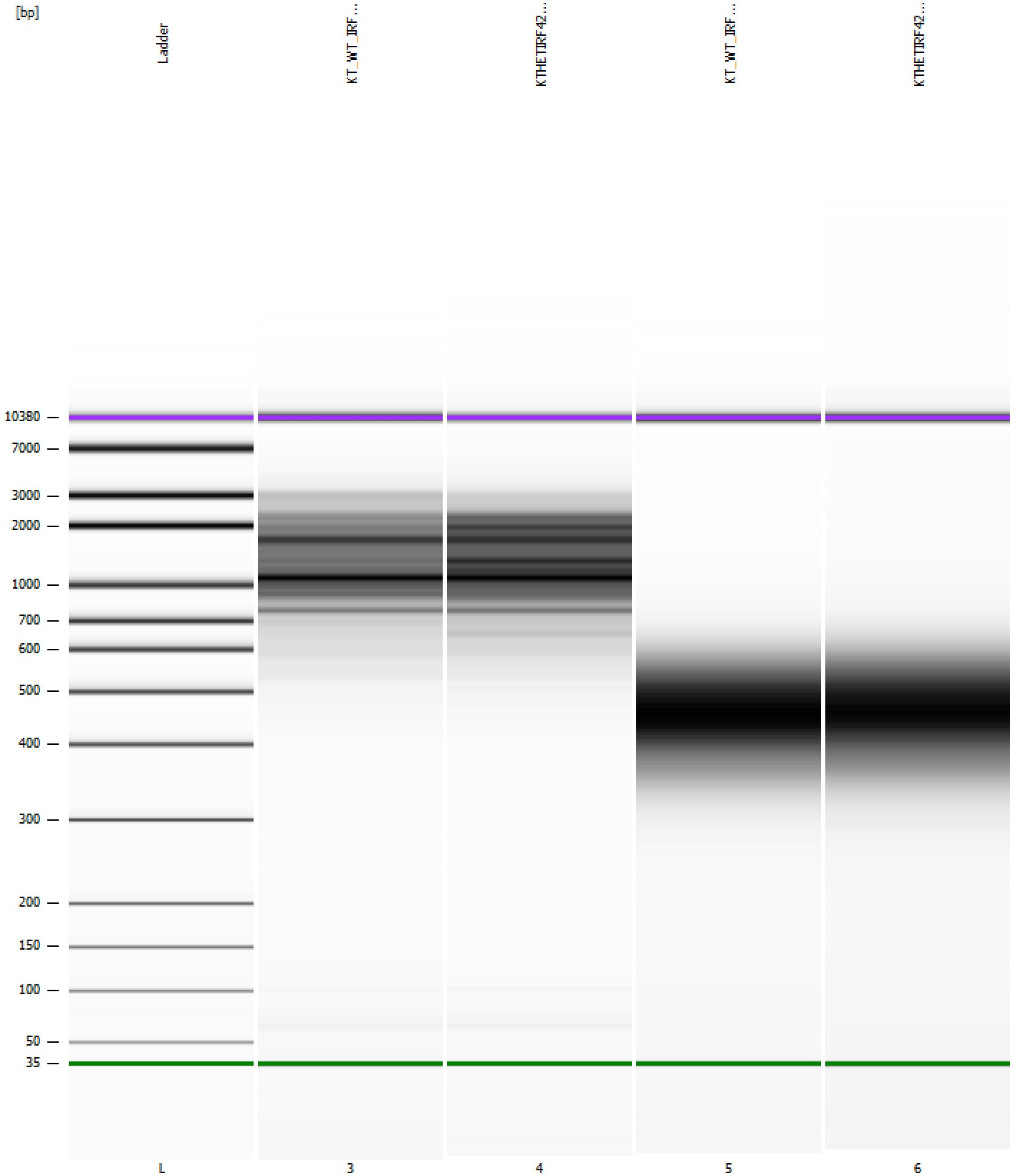
Region table for sample 6 : KTHETIRF42 Library

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 200 | 1,000 | 1,320.9 | 100 | 466 | 17.4 | 1,791.51 | 6,064.0 | Blue |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...er\2100 expert\data\2024-06-27\10XSC0355 cDNA & Library.xad

Created: 6/27/2024 8:33:42 AM
Modified: 6/27/2024 9:42:28 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...er\2100 expert\data\2024-06-27\10XSC0355 cDNA & Library.xad

Created: 6/27/2024 8:33:42 AM
 Modified: 6/27/2024 9:42:28 AM

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 | | 6/27/2024 9:15:02 AM | (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\2024-06-27\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2024-06-27_001.xad) | | Instrument | Run | | 6/27/2024 8:33:49 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Product Number : G2938C | | Instrument | Run | | 6/27/2024 8:33:49 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Name : | | Instrument | Run | | 6/27/2024 8:33:49 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Vendor : Agilent Technologies | | Instrument | Run | | 6/27/2024 8:33:49 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Serial# : DE34903152 | | Instrument | Run | | 6/27/2024 8:33:49 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Firmware : C.01.069 | | Instrument | Run | | 6/27/2024 8:33:49 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |
| Cartridge : Electrode | | Instrument | Run | | 6/27/2024 8:33:49 AM | (GMT --07:00) Pacific Standard Time | sbsuser | DESKTOP-4UNV VOB |