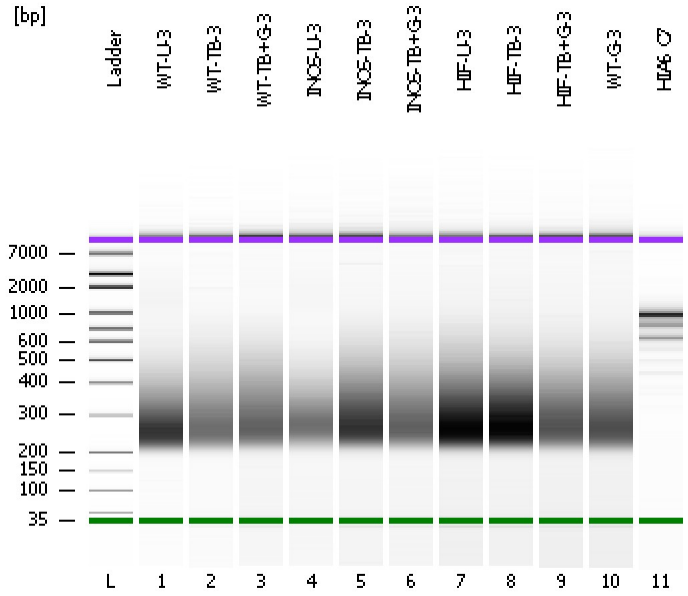
Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-08\2014-12-08_002.xad

Created: 12/8/2014 10:16:56 AM
Modified: 12/8/2014 11:01:55 AM

## Electrophoresis File Run Summary




Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

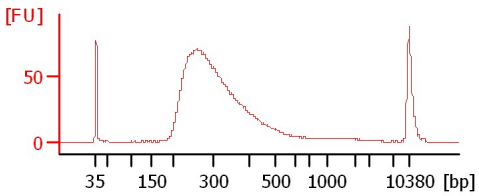
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy

Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

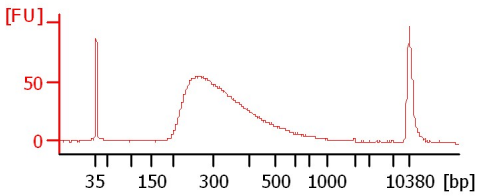
Chip Information:

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

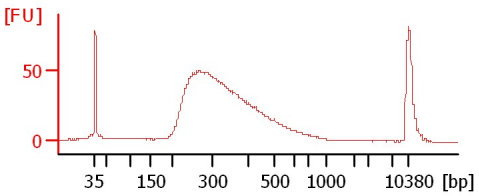
**WT-U-3**
Poly A stranded RNA Library



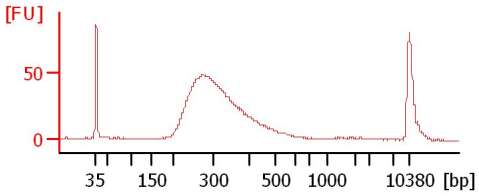

**WT-TB-3**
Poly A stranded RNA Library



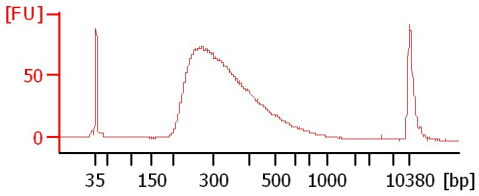

**WT-TB+G-3**
Poly A stranded RNA Library



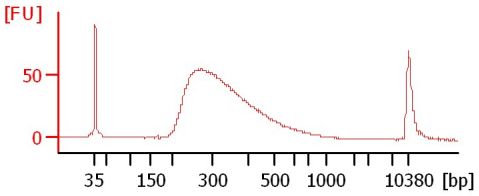

**INOS-U-3**
Poly A stranded RNA Library



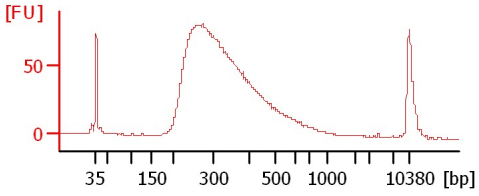

**INOS-TB-3**
Poly A stranded RNA Library



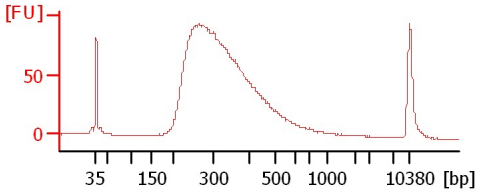

**INOS-TB+G-3**
Poly A stranded RNA Library



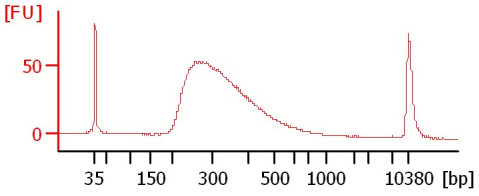

**HIF-U-3**
Poly A stranded RNA Library



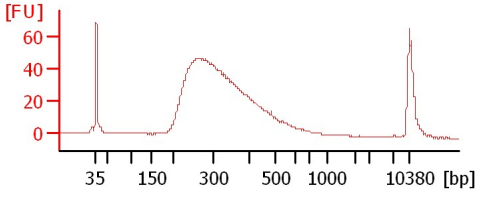

**HIF-TB-3**
Poly A stranded RNA Library



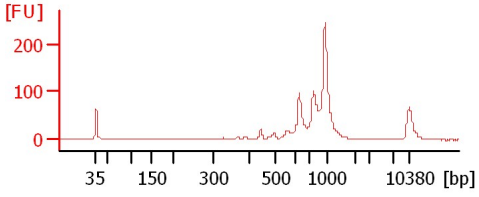

**HIF-TB+G-3**
Poly A stranded RNA Library




**WT-G-3**
Poly A stranded RNA Library




**HIA6 C7**
ligation rxn



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-08\2014-12-08_002.xad

Created: 12/8/2014 10:16:56 AM
Modified: 12/8/2014 11:01:55 AM

**Electrophoresis File Run Summary (Chip Summary)**

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|---|---|---|---|---|---|---|
| WT-U-3 | Poly A stranded RNA Library | ☐ | ✔ | | | |
| WT-TB-3 | Poly A stranded RNA Library | ☐ | ✔ | | | |
| WT-TB+G-3 | Poly A stranded RNA Library | ☐ | ✔ | | | |
| INOS-U-3 | Poly A stranded RNA Library | ☐ | ✔ | | | |
| INOS-TB-3 | Poly A stranded RNA Library | ☐ | ✔ | | | |
| INOS-TB+G-3 | Poly A stranded RNA Library | ☐ | ✔ | | | |
| HIF-U-3 | Poly A stranded RNA Library | ☐ | ✔ | | | |
| HIF-TB-3 | Poly A stranded RNA Library | ☐ | ✔ | | | |
| HIF-TB+G-3 | Poly A stranded RNA Library | ☐ | ✔ | | | |
| WT-G-3 | Poly A stranded RNA Library | ☐ | ✔ | | | |
| HIA6 C7 | ligation rxn | ☐ | ✔ | | | |
| Ladder | | ☐ | ✔ | | | |

**Chip Lot #** **Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-08\2014-12-08_002.xad

Created: 12/8/2014 10:16:56 AM
Modified: 12/8/2014 11:01:55 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

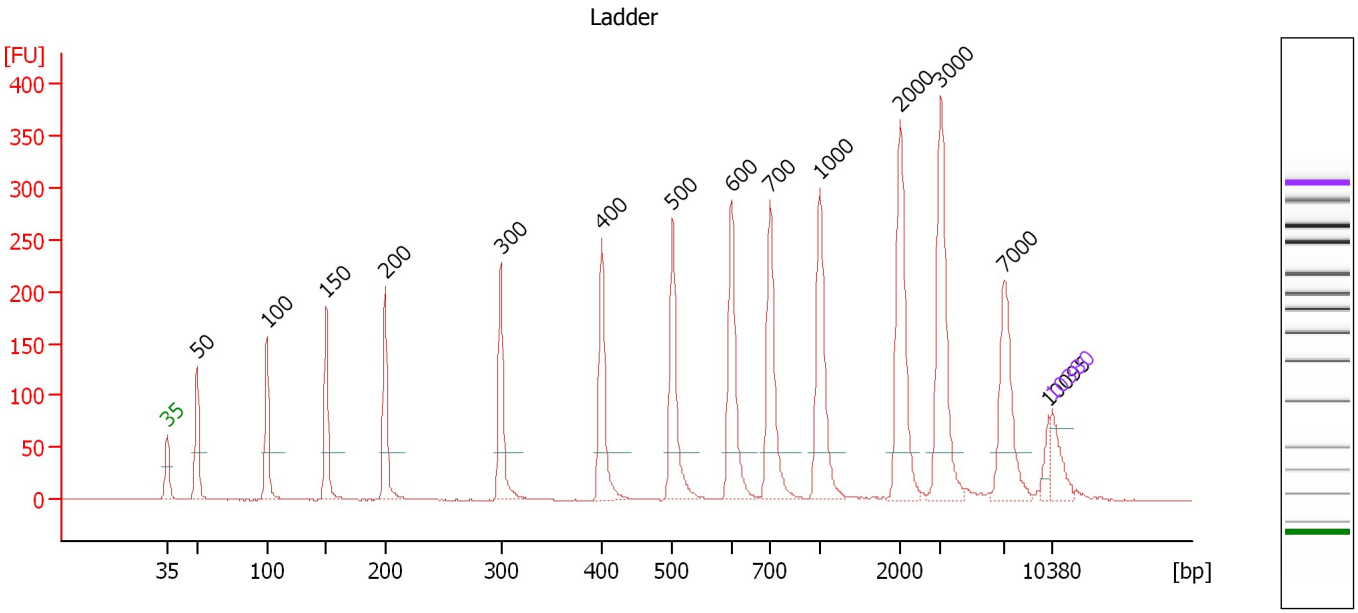
### Ladder

| 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:\...ents and Settings\Bioanalyzer\2014-12-08\2014-12-08_002.xad

Created: 12/8/2014 10:16:56 AM
Modified: 12/8/2014 11:01:55 AM

**Electropherogram Summary**




**Overall Results for Ladder**

Noise: 0.1

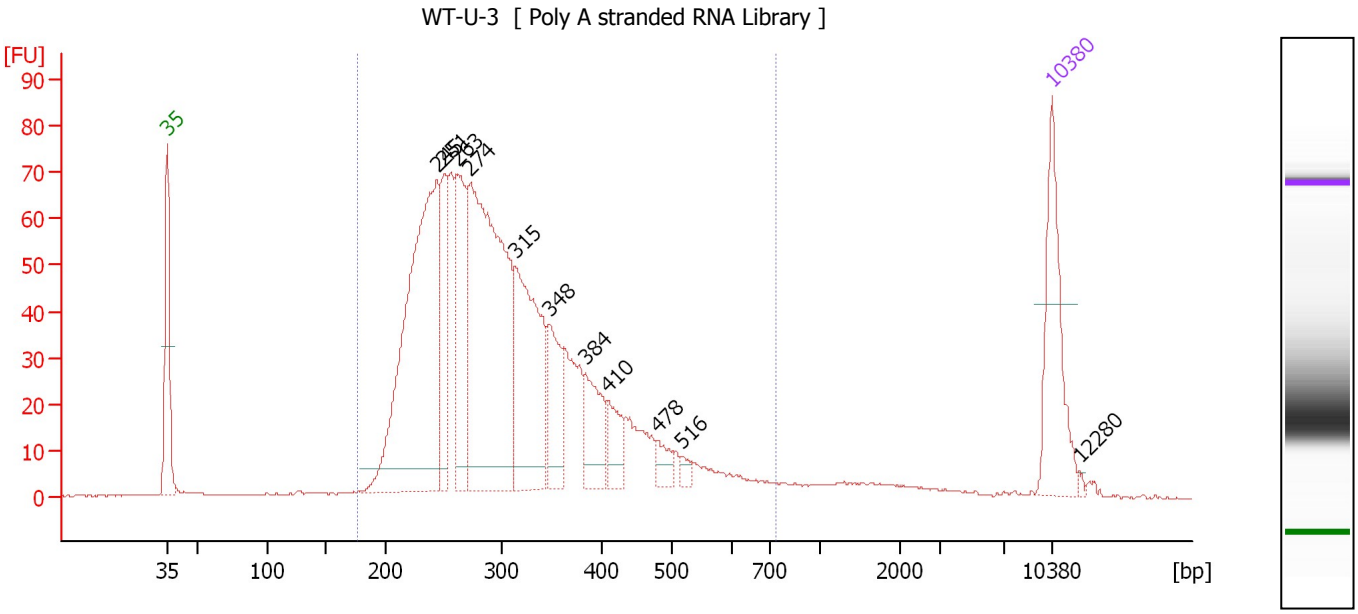
**Peak table for Ladder**

| 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 | | 10,095 | 0.00 | 0.0 | |
| 16 | | 10,380 | 75.00 | 10.9 | Upper Marker |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-08\2014-12-08_002.xad

Created: 12/8/2014 10:16:56 AM
Modified: 12/8/2014 11:01:55 AM

**Electropherogram Summary Continued ...**




**Overall Results for sample 1 : WT-U-3**

| | | | |
|---|---|---|---|
| Number of peaks found: | 11 | Corr. Area 1: | 1,429.5 |
| Noise: | 0.2 | | |

**Peak table for sample 1 : WT-U-3**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 245 | 404.93 | 2,502.9 | |
| 3 | 251 | 81.52 | 491.7 | |
| 4 | 263 | 126.16 | 726.0 | |
| 5 | 274 | 396.54 | 2,193.6 | |
| 6 | 315 | 181.55 | 874.2 | |
| 7 | 348 | 65.00 | 282.8 | |
| 8 | 384 | 57.19 | 225.5 | |
| 9 | 410 | 29.60 | 109.5 | |
| 10 | 478 | 15.59 | 49.4 | |
| 11 | 516 | 7.03 | 20.6 | |
| 12 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 13 | 12,280 | 0.00 | 0.0 | |

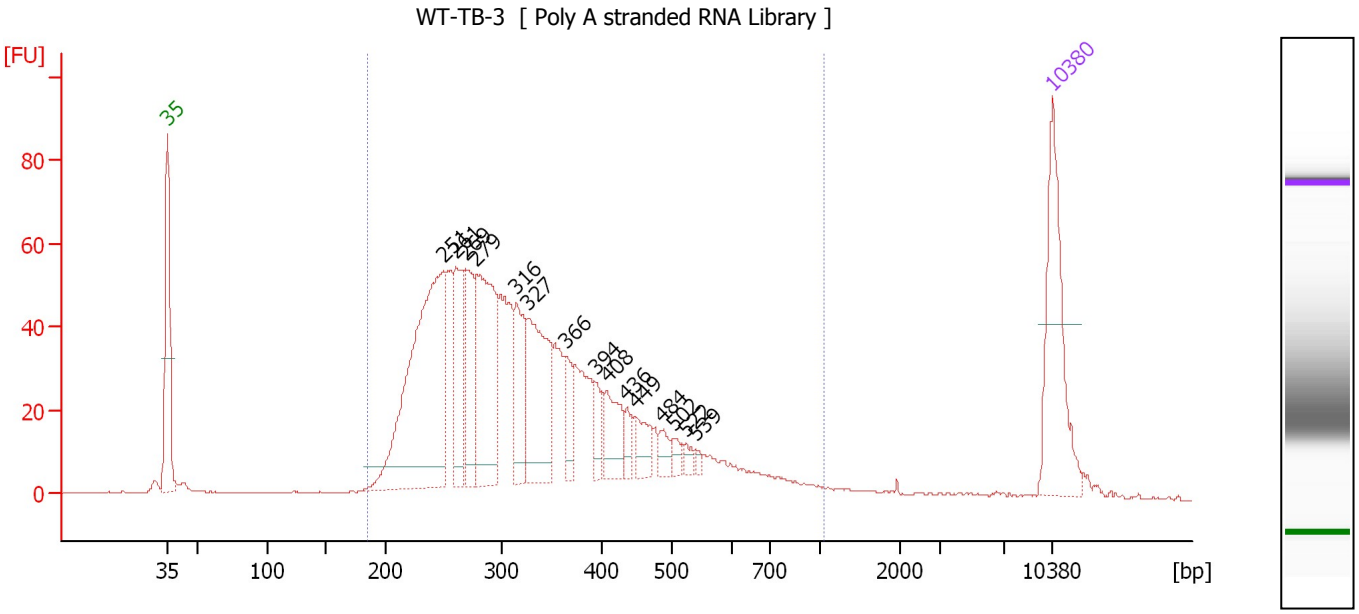
**Region table for sample 1 : WT-U-3**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/µl] | Molarity [pmol/l] | Color |
|---|---|---|---|---|---|---|---|---|
| 176 | 316 | 734 | 1,429.5 | 94 | 28.6 | 1,691.28 | 8,863.7 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-08\2014-12-08_002.xad

Created: 12/8/2014 10:16:56 AM
Modified: 12/8/2014 11:01:55 AM

**Electropherogram Summary Continued ...**




**Overall Results for sample 2 : WT-TB-3**

| | | | |
|---|---|---|---|
| Number of peaks found: | 15 | Corr. Area 1: | 1,292.1 |
| Noise: | 0.2 | | |

**Peak table for sample 2 : WT-TB-3**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 251 | 284.49 | 1,720.6 | |
| 3 | 261 | 67.88 | 393.7 | |
| 4 | 269 | 69.32 | 389.9 | |
| 5 | 279 | 135.18 | 734.0 | |
| 6 | 316 | 58.13 | 278.9 | |
| 7 | 327 | 104.16 | 481.9 | |
| 8 | 366 | 24.21 | 100.3 | |
| 9 | 394 | 17.46 | 67.2 | |
| 10 | 408 | 34.86 | 129.3 | |
| 11 | 436 | 11.08 | 38.5 | |
| 12 | 449 | 20.14 | 68.0 | |
| 13 | 484 | 11.00 | 34.4 | |
| 14 | 502 | 8.14 | 24.5 | |
| 15 | 522 | 5.68 | 16.5 | |
| 16 | 539 | 3.47 | 9.7 | |
| 17 | 10,380 | 75.00 | 10.9 | Upper Marker |

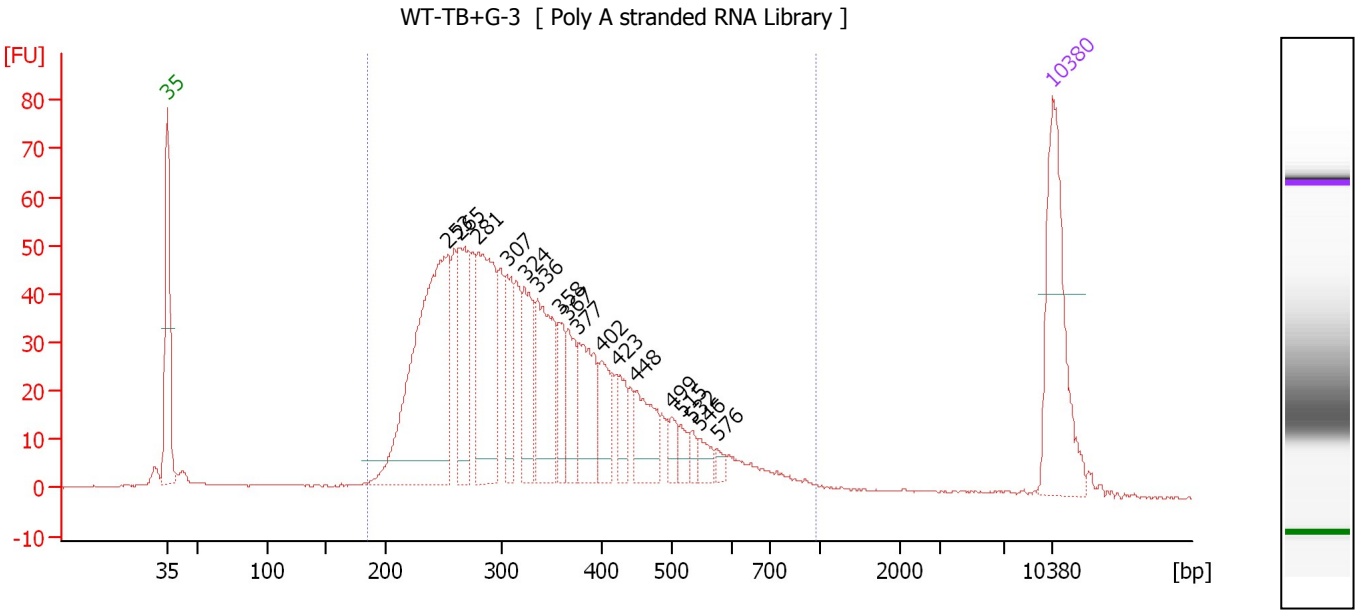
**Region table for sample 2 : WT-TB-3**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/µl] | Molarity [pmol/l] | Color |
|---|---|---|---|---|---|---|---|---|
| 186 | 343 | 1,054 | 1,292.1 | 95 | 34.7 | 1,272.33 | 6,336.9 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-08\2014-12-08_002.xad

Created: 12/8/2014 10:16:56 AM
Modified: 12/8/2014 11:01:55 AM

**Electropherogram Summary Continued ...**




**Overall Results for sample 3 : WT-TB+G-3**

| | | | |
|---|---|---|---|
| Number of peaks found: | 17 | Corr. Area 1: | 1,218.0 |
| Noise: | 0.1 | | |

**Peak table for sample 3 : WT-TB+G-3**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 253 | 254.93 | 1,524.2 | |
| 3 | 265 | 76.86 | 439.8 | |
| 4 | 281 | 124.63 | 672.6 | |
| 5 | 307 | 46.12 | 227.6 | |
| 6 | 324 | 51.15 | 239.1 | |
| 7 | 336 | 80.63 | 363.6 | |
| 8 | 358 | 29.51 | 124.9 | |
| 9 | 367 | 33.89 | 139.8 | |
| 10 | 377 | 51.94 | 208.5 | |
| 11 | 402 | 31.65 | 119.4 | |
| 12 | 423 | 21.69 | 77.8 | |
| 13 | 448 | 37.17 | 125.6 | |
| 14 | 499 | 10.93 | 33.2 | |
| 15 | 515 | 9.18 | 27.0 | |
| 16 | 532 | 6.72 | 19.1 | |
| 17 | 546 | 9.39 | 26.0 | |
| 18 | 576 | 4.72 | 12.4 | |
| 19 | 10,380 | 75.00 | 10.9 | Upper Marker |

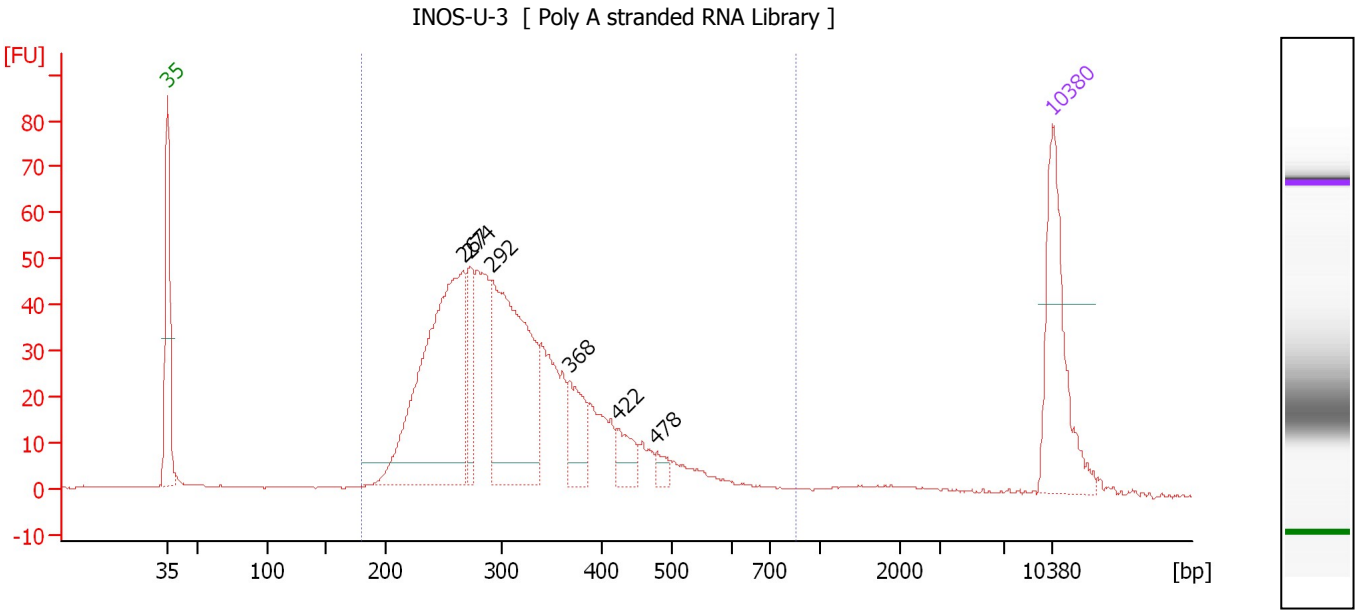
**Region table for sample 3 : WT-TB+G-3**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/µl] | Molarity [pmol/l] | Color |
|---|---|---|---|---|---|---|---|---|
| 185 | 348 | 976 | 1,218.0 | 94 | 33.0 | 1,176.66 | 5,754.8 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-08\2014-12-08_002.xad

Created: 12/8/2014 10:16:56 AM
Modified: 12/8/2014 11:01:55 AM

**Electropherogram Summary Continued ...**




**Overall Results for sample 4 : INOS-U-3**

| | | | |
|---|---|---|---|
| Number of peaks found: | 6 | Corr. Area 1: | 947.0 |
| Noise: | 0.2 | | |

**Peak table for sample 4 : INOS-U-3**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 267 | 279.69 | 1,585.1 | |
| 3 | 274 | 45.82 | 253.7 | |
| 4 | 292 | 218.77 | 1,133.5 | |
| 5 | 368 | 40.57 | 167.0 | |
| 6 | 422 | 21.73 | 78.1 | |
| 7 | 478 | 8.75 | 27.7 | |
| 8 | 10,380 | 75.00 | 10.9 | Upper Marker |

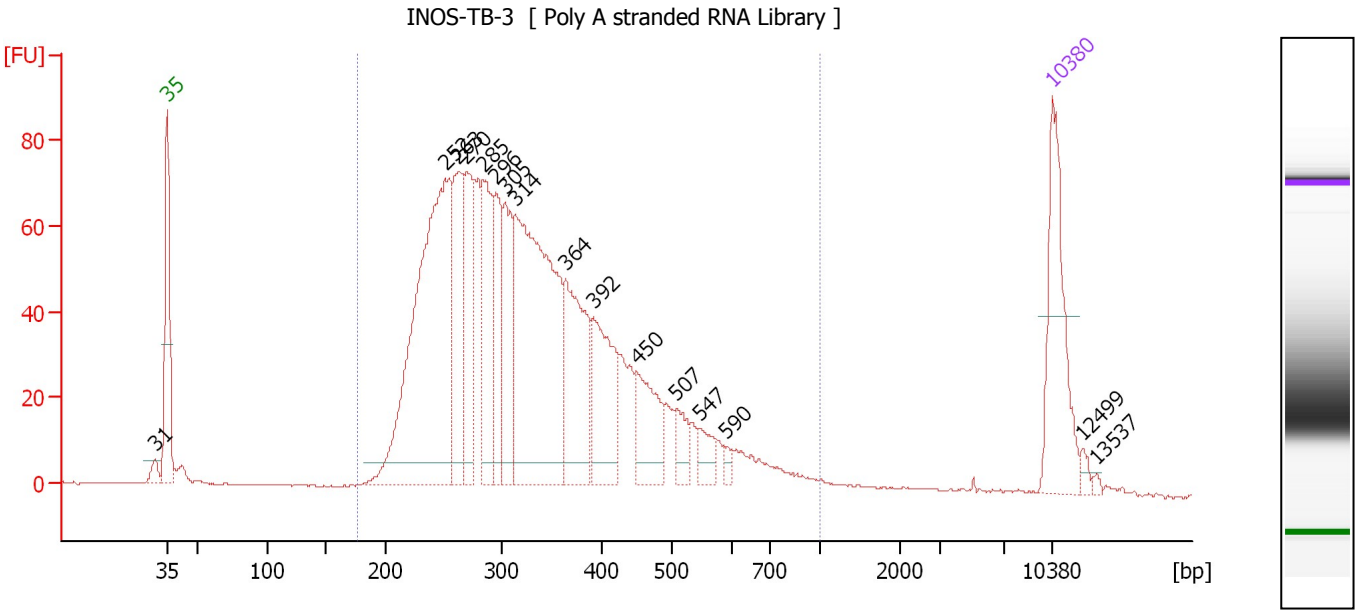
**Region table for sample 4 : INOS-U-3**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/µl] | Molarity [pmol/l] | Color |
|---|---|---|---|---|---|---|---|---|
| 180 | 324 | 856 | 947.0 | 93 | 27.3 | 931.84 | 4,724.1 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-08\2014-12-08_002.xad

Created: 12/8/2014 10:16:56 AM
Modified: 12/8/2014 11:01:55 AM

**Electropherogram Summary Continued ...**




**Overall Results for sample 5 : INOS-TB-3**

| | | | |
|---|---|---|---|
| Number of peaks found: | 16 | Corr. Area 1: | 1,720.7 |
| Noise: | 0.2 | | |

**Peak table for sample 5 : INOS-TB-3**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 1 | 31 | 0.00 | 0.0 | |
| 2 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 3 | 252 | 383.02 | 2,304.2 | |
| 4 | 263 | 95.19 | 547.4 | |
| 5 | 270 | 93.24 | 522.5 | |
| 6 | 285 | 97.00 | 516.4 | |
| 7 | 296 | 71.39 | 365.8 | |
| 8 | 305 | 80.60 | 400.7 | |
| 9 | 314 | 306.35 | 1,478.7 | |
| 10 | 364 | 114.83 | 477.6 | |
| 11 | 392 | 89.62 | 346.3 | |
| 12 | 450 | 54.68 | 184.2 | |
| 13 | 507 | 20.62 | 61.7 | |
| 14 | 547 | 16.07 | 44.5 | |
| 15 | 590 | 5.03 | 12.9 | |
| 16 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 17 | 12,499 | 0.00 | 0.0 | |
| 18 | 13,537 | 0.00 | 0.0 | |

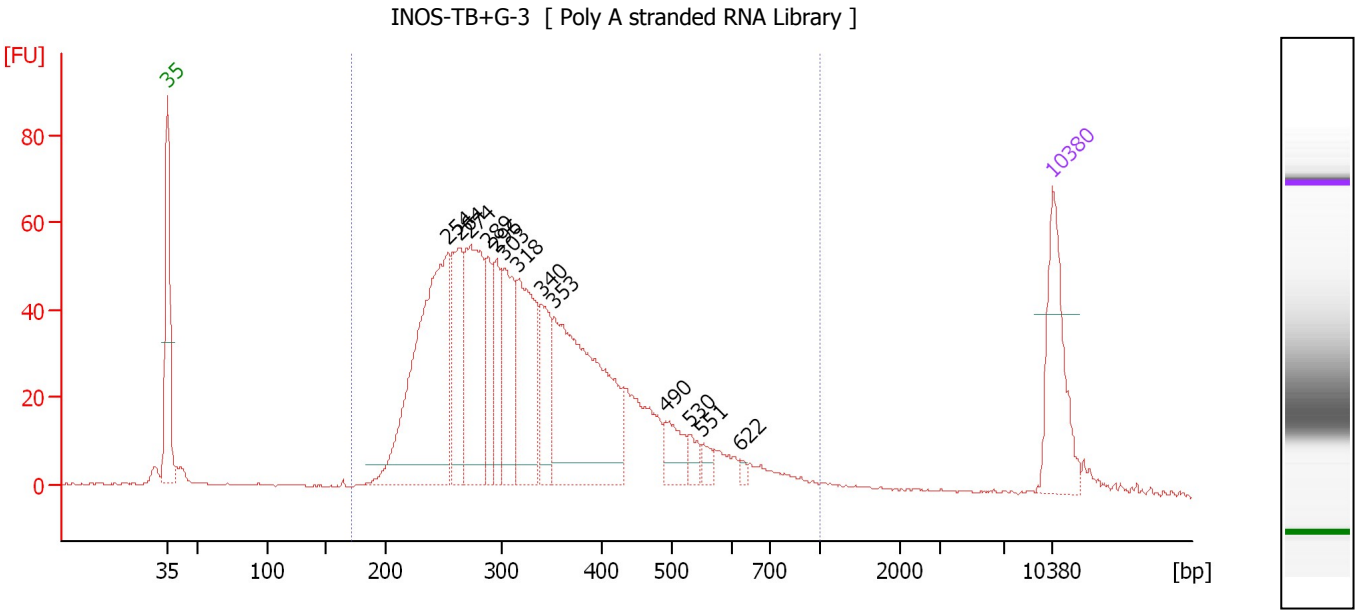
**Region table for sample 5 : INOS-TB-3**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/µl] | Molarity [pmol/l] | Color |
|---|---|---|---|---|---|---|---|---|
| 176 | 346 | 1,000 | 1,720.7 | 95 | 32.9 | 1,673.03 | 8,211.2 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-08\2014-12-08_002.xad

Created: 12/8/2014 10:16:56 AM
Modified: 12/8/2014 11:01:55 AM

**Electropherogram Summary Continued ...**




**Overall Results for sample 6 : INOS-TB+G-3**

| | | | |
|---|---|---|---|
| Number of peaks found: | 13 | Corr. Area 1: | 1,314.4 |
| Noise: | 0.2 | | |

**Peak table for sample 6 : INOS-TB+G-3**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 254 | 342.19 | 2,041.4 | |
| 3 | 264 | 105.74 | 606.9 | |
| 4 | 274 | 175.59 | 972.6 | |
| 5 | 289 | 62.28 | 326.7 | |
| 6 | 296 | 59.98 | 307.3 | |
| 7 | 303 | 104.01 | 520.1 | |
| 8 | 318 | 142.19 | 678.5 | |
| 9 | 340 | 69.45 | 309.5 | |
| 10 | 353 | 277.93 | 1,193.8 | |
| 11 | 490 | 34.04 | 105.3 | |
| 12 | 530 | 14.03 | 40.1 | |
| 13 | 551 | 11.92 | 32.7 | |
| 14 | 622 | 4.07 | 9.9 | |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker |

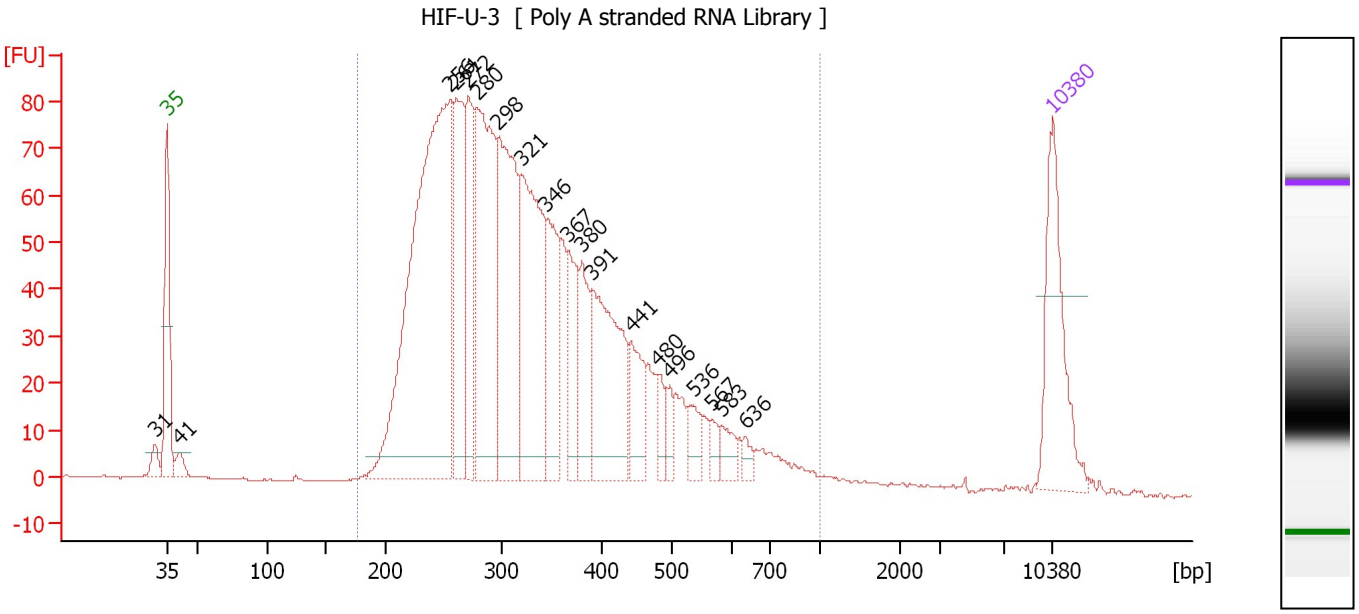
**Region table for sample 6 : INOS-TB+G-3**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/µl] | Molarity [pmol/l] | Color |
|---|---|---|---|---|---|---|---|---|
| 172 | 348 | 1,000 | 1,314.4 | 94 | 33.5 | 1,621.82 | 7,939.9 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-08\2014-12-08_002.xad

Created: 12/8/2014 10:16:56 AM
Modified: 12/8/2014 11:01:55 AM

**Electropherogram Summary Continued ...**




**Overall Results for sample 7 : HIF-U-3**

| | | | |
|---|---|---|---|
| Number of peaks found: | 19 | Corr. Area 1: | 1,910.1 |
| Noise: | 0.2 | | |

**Peak table for sample 7 : HIF-U-3**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 1 | 31 | 0.00 | 0.0 | |
| 2 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 3 | 41 | 13.15 | 482.6 | |
| 4 | 256 | 516.94 | 3,057.3 | |
| 5 | 261 | 130.62 | 758.3 | |
| 6 | 272 | 99.89 | 556.1 | |
| 7 | 280 | 204.00 | 1,105.5 | |
| 8 | 298 | 195.49 | 995.0 | |
| 9 | 321 | 197.13 | 931.7 | |
| 10 | 346 | 82.58 | 362.0 | |
| 11 | 367 | 55.91 | 230.8 | |
| 12 | 380 | 55.59 | 221.4 | |
| 13 | 391 | 135.36 | 524.7 | |
| 14 | 441 | 43.93 | 150.8 | |
| 15 | 480 | 16.17 | 51.0 | |
| 16 | 496 | 14.32 | 43.8 | |
| 17 | 536 | 19.87 | 56.2 | |
| 18 | 567 | 10.29 | 27.5 | |
| 19 | 583 | 14.38 | 37.4 | |
| 20 | 636 | 6.85 | 16.3 | |
| 21 | 10,380 | 75.00 | 10.9 | Upper Marker |

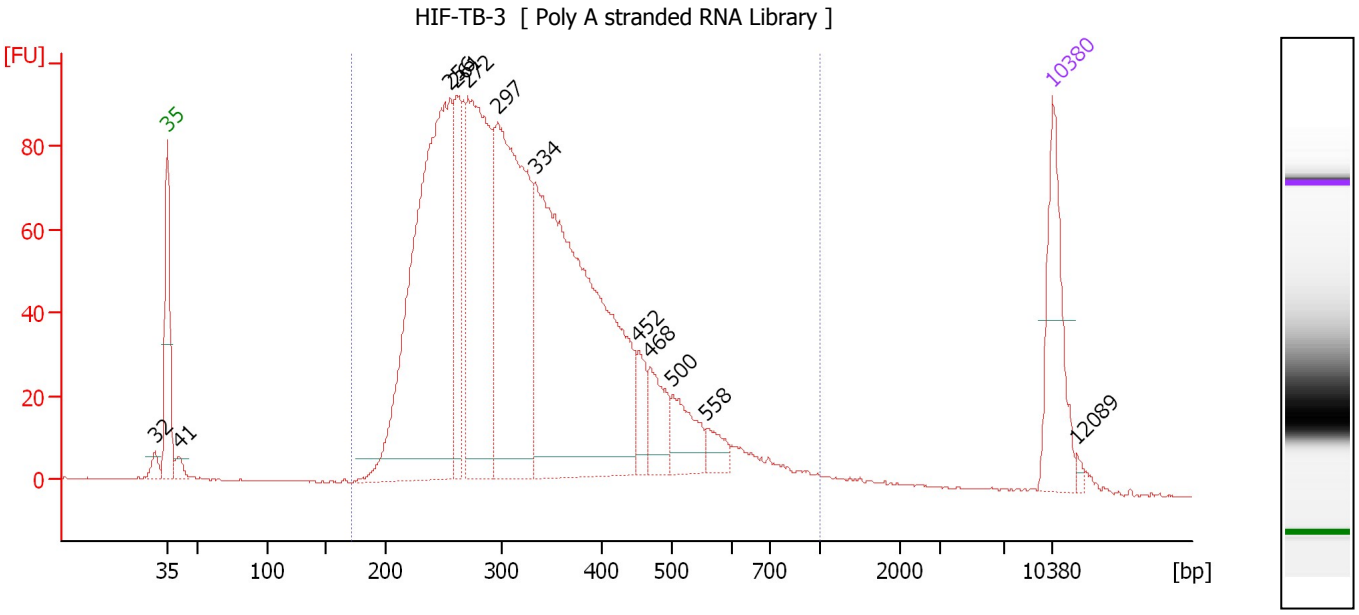
**Region table for sample 7 : HIF-U-3**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/µl] | Molarity [pmol/l] | Color |
|---|---|---|---|---|---|---|---|---|
| 176 | 343 | 1,000 | 1,910.1 | 96 | 33.8 | 2,032.39 | 10,089.9 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-08\2014-12-08_002.xad

Created: 12/8/2014 10:16:56 AM
Modified: 12/8/2014 11:01:55 AM

**Electropherogram Summary Continued ...**




**Overall Results for sample 8 : HIF-TB-3**

| | | | |
|---|---|---|---|
| Number of peaks found: | 12 | Corr. Area 1: | 2,140.9 |
| Noise: | 0.1 | | |

**Peak table for sample 8 : HIF-TB-3**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 1 | 32 | 0.00 | 0.0 | |
| 2 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 3 | 41 | 13.14 | 489.2 | |
| 4 | 256 | 555.81 | 3,288.0 | |
| 5 | 261 | 105.33 | 610.3 | |
| 6 | 272 | 317.97 | 1,773.5 | |
| 7 | 297 | 377.11 | 1,921.5 | |
| 8 | 334 | 569.53 | 2,580.0 | |
| 9 | 452 | 30.27 | 101.4 | |
| 10 | 468 | 43.67 | 141.4 | |
| 11 | 500 | 46.21 | 140.0 | |
| 12 | 558 | 18.73 | 50.8 | |
| 13 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 14 | 12,089 | 0.00 | 0.0 | |

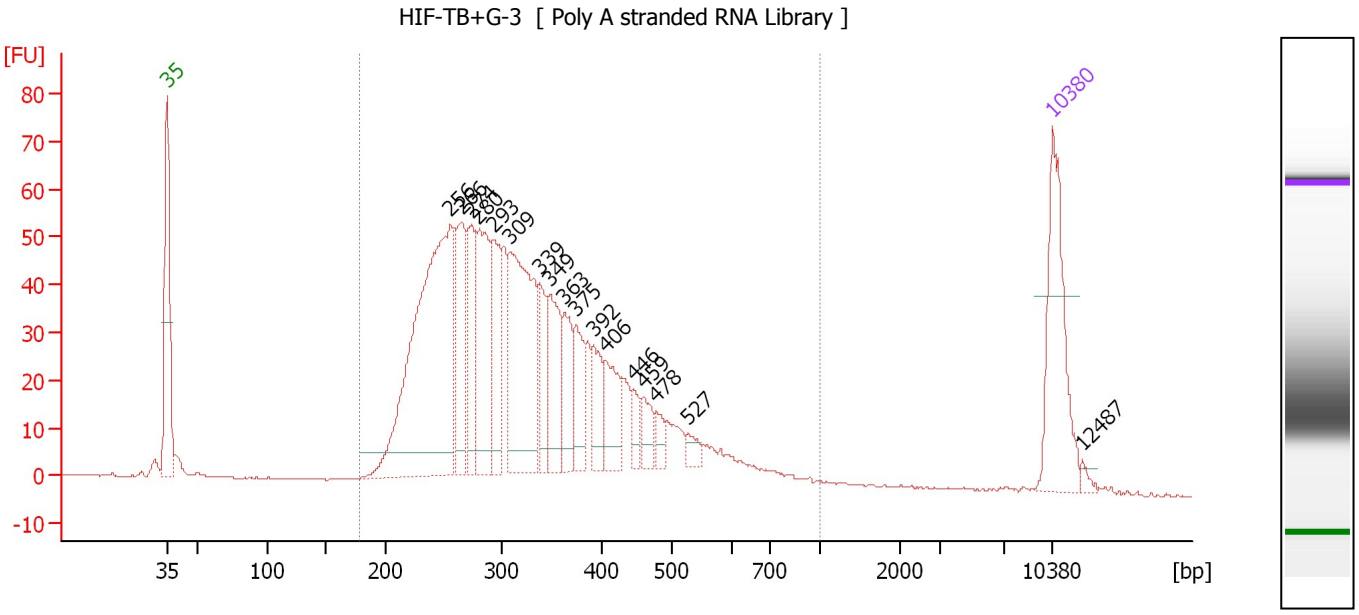
**Region table for sample 8 : HIF-TB-3**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/µl] | Molarity [pmol/l] | Color |
|---|---|---|---|---|---|---|---|---|
| 171 | 340 | 1,000 | 2,140.9 | 96 | 32.6 | 2,198.67 | 10,929.6 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-08\2014-12-08_002.xad

Created: 12/8/2014 10:16:56 AM
Modified: 12/8/2014 11:01:55 AM

**Electropherogram Summary Continued ...**




**Overall Results for sample 9 : HIF-TB+G-3**

| | | | |
|---|---|---|---|
| Number of peaks found: | 17 | Corr. Area 1: | 1,243.2 |
| Noise: | 0.2 | | |

**Peak table for sample 9 : HIF-TB+G-3**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 256 | 351.21 | 2,074.9 | |
| 3 | 266 | 85.57 | 487.2 | |
| 4 | 274 | 64.65 | 357.3 | |
| 5 | 280 | 102.02 | 553.0 | |
| 6 | 293 | 66.02 | 340.9 | |
| 7 | 309 | 166.49 | 816.0 | |
| 8 | 339 | 37.97 | 169.9 | |
| 9 | 349 | 63.43 | 275.3 | |
| 10 | 363 | 39.29 | 163.8 | |
| 11 | 375 | 38.78 | 156.7 | |
| 12 | 392 | 31.71 | 122.5 | |
| 13 | 406 | 40.86 | 152.3 | |
| 14 | 446 | 14.29 | 48.6 | |
| 15 | 459 | 18.30 | 60.4 | |
| 16 | 478 | 11.84 | 37.5 | |
| 17 | 527 | 8.95 | 25.7 | |
| 18 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 19 | 12,487 | 0.00 | 0.0 | |

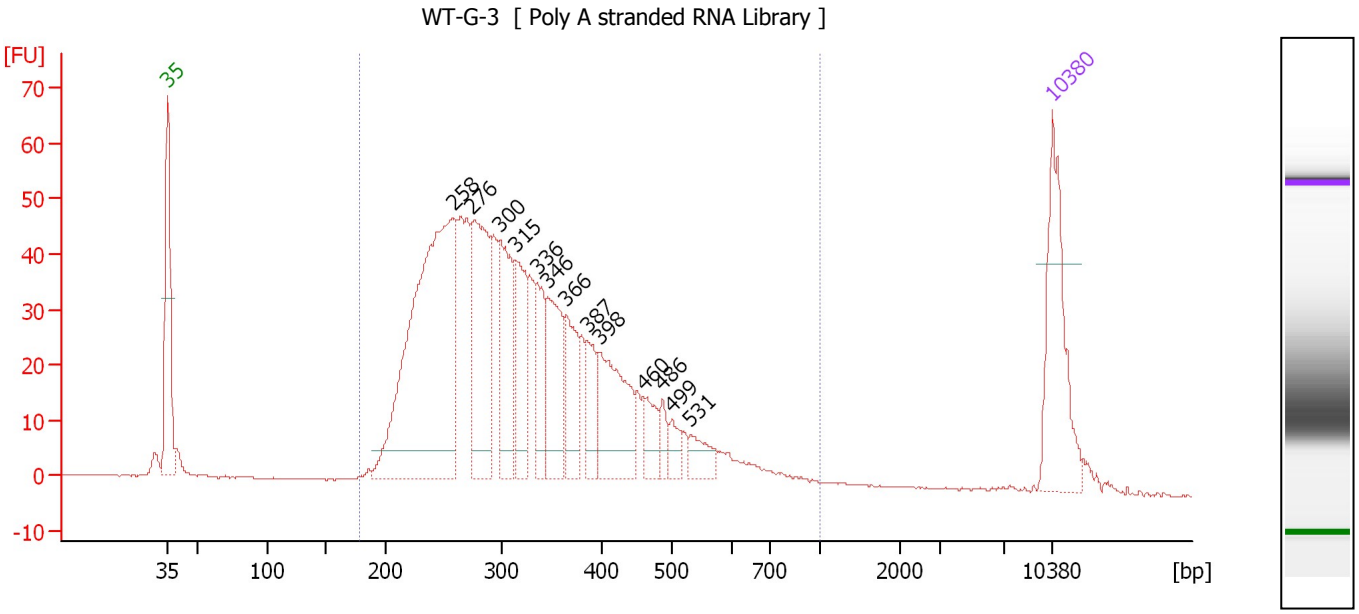
**Region table for sample 9 : HIF-TB+G-3**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/µl] | Molarity [pmol/l] | Color |
|---|---|---|---|---|---|---|---|---|
| 179 | 340 | 1,000 | 1,243.2 | 96 | 32.0 | 1,434.68 | 7,106.0 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-08\2014-12-08_002.xad

Created: 12/8/2014 10:16:56 AM
Modified: 12/8/2014 11:01:55 AM

**Electropherogram Summary Continued ...**




**Overall Results for sample 10 : WT-G-3**

| | | | |
|---|---|---|---|
| Number of peaks found: | 13 | Corr. Area 1: | 1,106.1 |
| Noise: | 0.1 | | |

**Peak table for sample 10 : WT-G-3**

| Peak | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 258 | 392.72 | 2,302.9 | |
| 3 | 276 | 143.30 | 787.7 | |
| 4 | 300 | 91.78 | 463.7 | |
| 5 | 315 | 71.87 | 346.0 | |
| 6 | 336 | 52.61 | 237.4 | |
| 7 | 346 | 75.61 | 330.8 | |
| 8 | 366 | 50.63 | 209.9 | |
| 9 | 387 | 30.99 | 121.5 | |
| 10 | 398 | 85.69 | 325.9 | |
| 11 | 460 | 23.88 | 78.7 | |
| 12 | 486 | 13.27 | 41.4 | |
| 13 | 499 | 13.03 | 39.6 | |
| 14 | 531 | 18.83 | 53.8 | |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker |

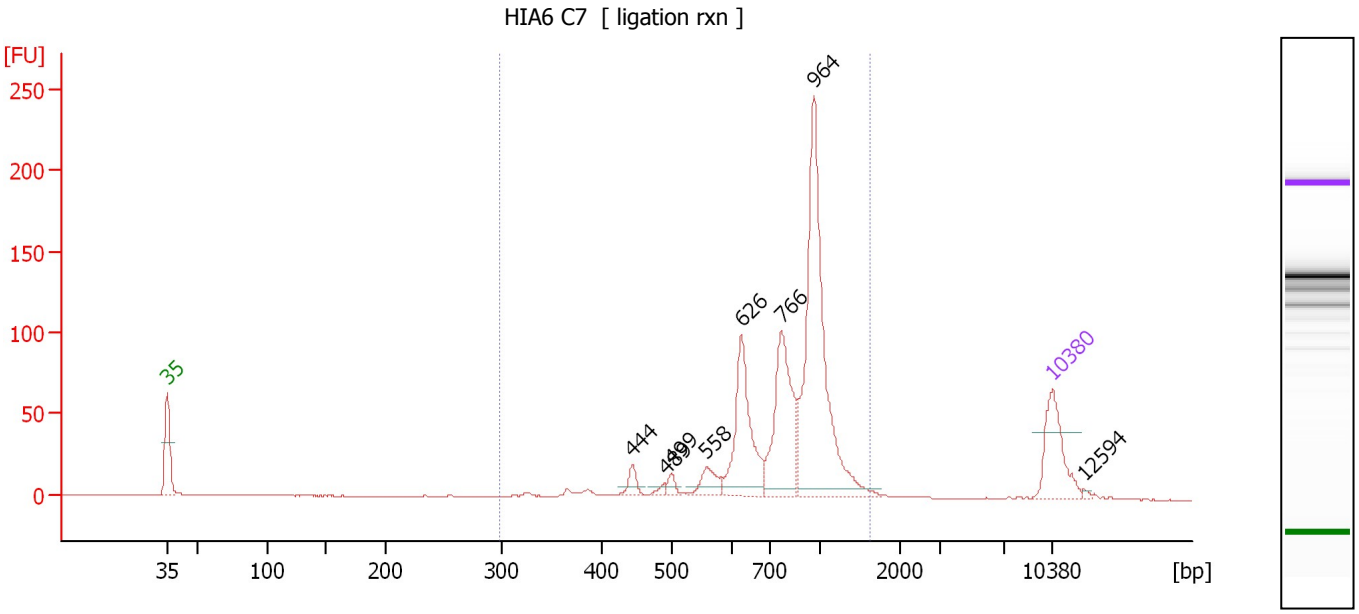
**Region table for sample 10 : WT-G-3**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/µl] | Molarity [pmol/l] | Color |
|---|---|---|---|---|---|---|---|---|
| 178 | 338 | 1,000 | 1,106.1 | 95 | 32.3 | 1,417.47 | 7,092.1 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-08\2014-12-08_002.xad

Created: 12/8/2014 10:16:56 AM
Modified: 12/8/2014 11:01:55 AM

**Electropherogram Summary Continued ...**




**Overall Results for sample 11 : HIA6 C7**

| | | | |
|---|---|---|---|
| Number of peaks found: | 8 | Corr. Area 1: | 858.4 |
| Noise: | 0.1 | | |

**Peak table for sample 11 : HIA6 C7**

| Peak | | Size [bp] | Conc. [pg/µl] | Molarity [pmol/l] | Observations |
|---|---|---|---|---|---|
| 1 | ◀ | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | | 444 | 18.74 | 64.0 | |
| 3 | | 489 | 6.34 | 19.6 | |
| 4 | | 499 | 12.46 | 37.8 | |
| 5 | | 558 | 31.09 | 84.4 | |
| 6 | | 626 | 154.50 | 374.2 | |
| 7 | | 766 | 177.69 | 351.4 | |
| 8 | | 964 | 375.08 | 589.8 | |
| 9 | ▶ | 10,380 | 75.00 | 10.9 | Upper Marker |
| 10 | | 12,594 | 0.00 | 0.0 | |

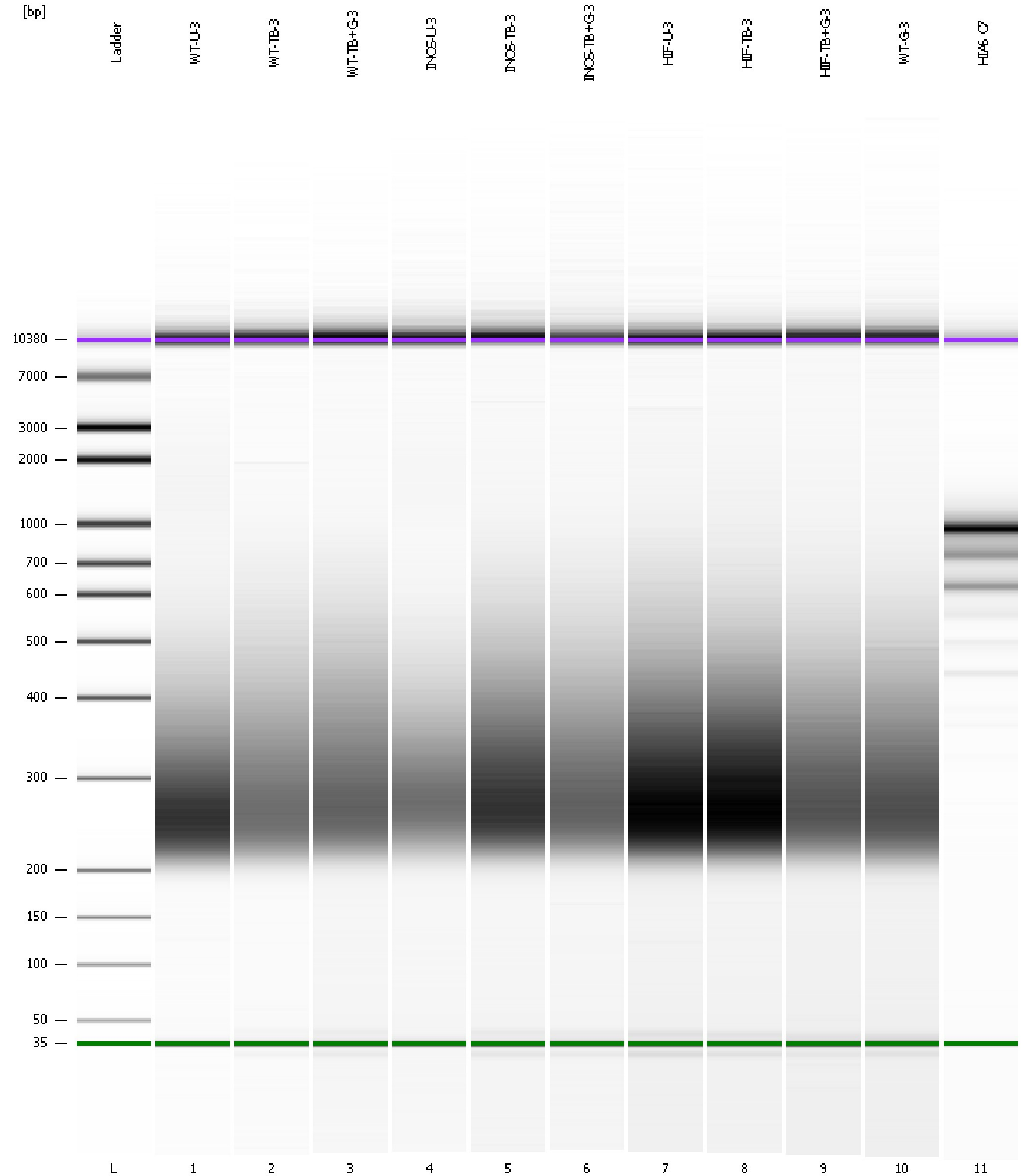
**Region table for sample 11 : HIA6 C7**

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | % of Total | Size distribution in CV [%] | Conc. [pg/µl] | Molarity [pmol/l] | Color |
|---|---|---|---|---|---|---|---|---|
| 298 | 841 | 1,615 | 858.4 | 96 | 25.9 | 828.93 | 1,648.8 | |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-08\2014-12-08_002.xad

Created: 12/8/2014 10:16:56 AM
Modified: 12/8/2014 11:01:55 AM

**Gel Image**

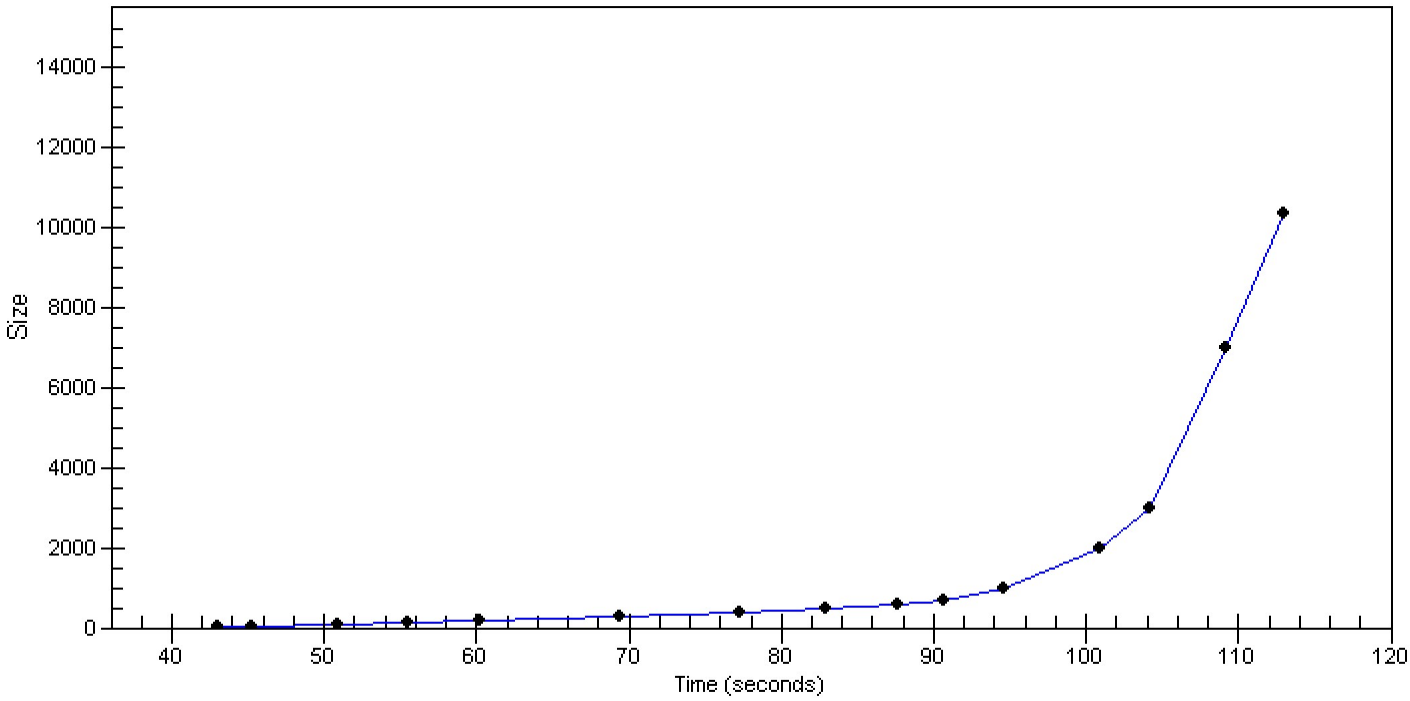


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-08\2014-12-08_002.xad

Created: 12/8/2014 10:16:56 AM
Modified: 12/8/2014 11:01:55 AM

## Curves

### Standard Curve



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-12-08\2014-12-08_002.xad

Created: 12/8/2014 10:16:56 AM
Modified: 12/8/2014 11:01:55 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 | | 12/8/2014 10:57:23 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-12-08\2014-12-08_002.xad) | | Instrument | Run | | 12/8/2014 10:17:01 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 12/8/2014 10:17:01 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 12/8/2014 10:17:01 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 12/8/2014 10:17:01 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 12/8/2014 10:17:01 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 12/8/2014 10:17:01 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 12/8/2014 10:17:01 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |