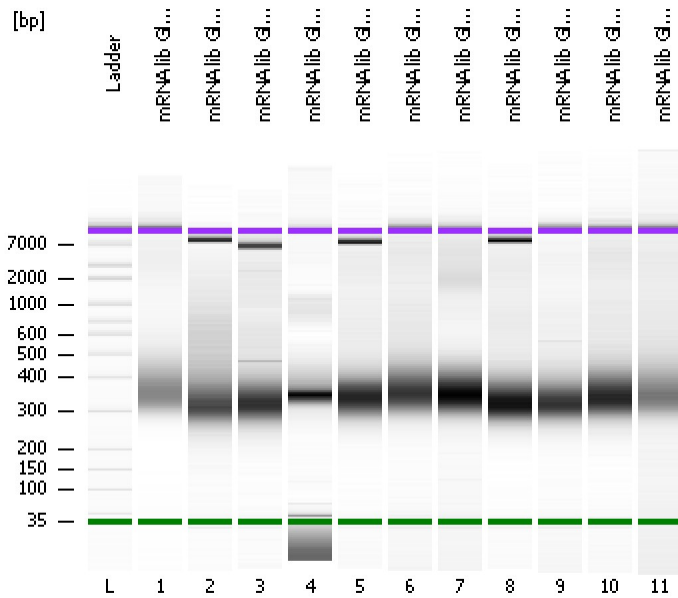


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-10\2013-07-10_001.xad

Created: 7/10/2013 9:22:46 AM
Modified: 7/10/2013 10:05:40 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

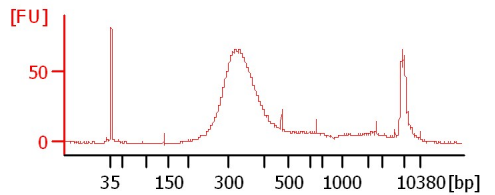
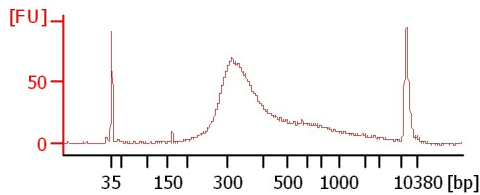
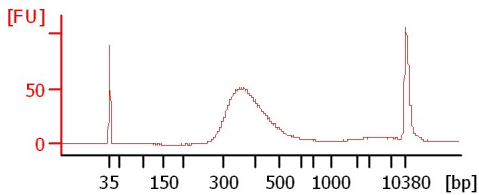
Chip Information:

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

mRNA lib Glob EPD-4

mRNA lib Glob EPD-5

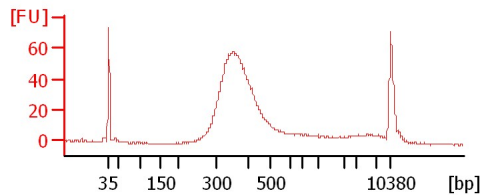
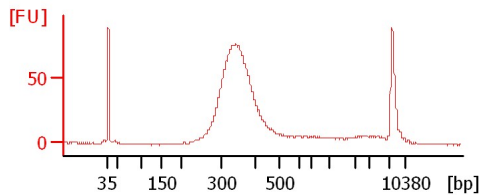
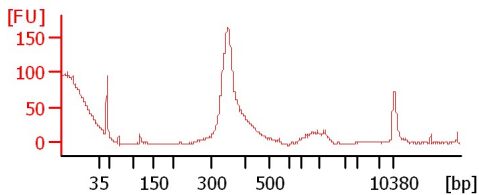
mRNA lib Glob EPD-6



mRNA lib Glob ENT-1

mRNA lib Glob ENT-2

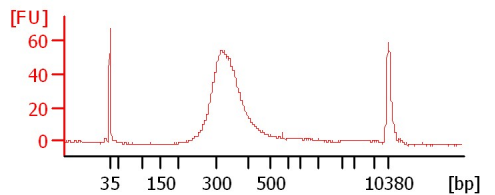
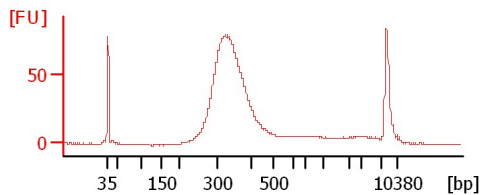
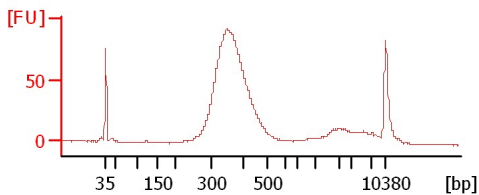
mRNA lib Glob ENT-4



mRNA lib Glob HI-1

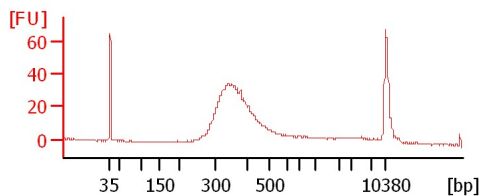
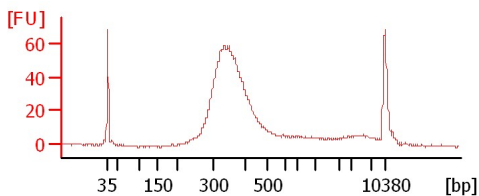
mRNA lib Glob HI-2

mRNA lib Glob HI-3



mRNA lib Glob ES-5

mRNA lib Glob OI-1



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-10\2013-07-10_001.xad

Created: 7/10/2013 9:22:46 AM
 Modified: 7/10/2013 10:05:40 AM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|---------------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| mRNA lib Glob EPD-4 | | <input type="checkbox"/> | ✓ | | | |
| mRNA lib Glob EPD-5 | | <input type="checkbox"/> | ✓ | | | |
| mRNA lib Glob EPD-6 | | <input type="checkbox"/> | ✓ | | | |
| mRNA lib Glob ENT-1 | | <input type="checkbox"/> | ✓ | | | |
| mRNA lib Glob ENT-2 | | <input type="checkbox"/> | ✓ | | | |
| mRNA lib Glob ENT-4 | | <input type="checkbox"/> | ✓ | | | |
| mRNA lib Glob HI-1 | | <input type="checkbox"/> | ✓ | | | |
| mRNA lib Glob HI-2 | | <input type="checkbox"/> | ✓ | | | |
| mRNA lib Glob HI-3 | | <input type="checkbox"/> | ✓ | | | |
| mRNA lib Glob ES-5 | | <input type="checkbox"/> | ✓ | | | |
| mRNA lib Glob OI-1 | | <input type="checkbox"/> | ✓ | | | |
| Ladder | | <input type="checkbox"/> | ✓ | | | |

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-10\2013-07-10_001.xad

Created: 7/10/2013 9:22:46 AM
Modified: 7/10/2013 10:05:40 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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

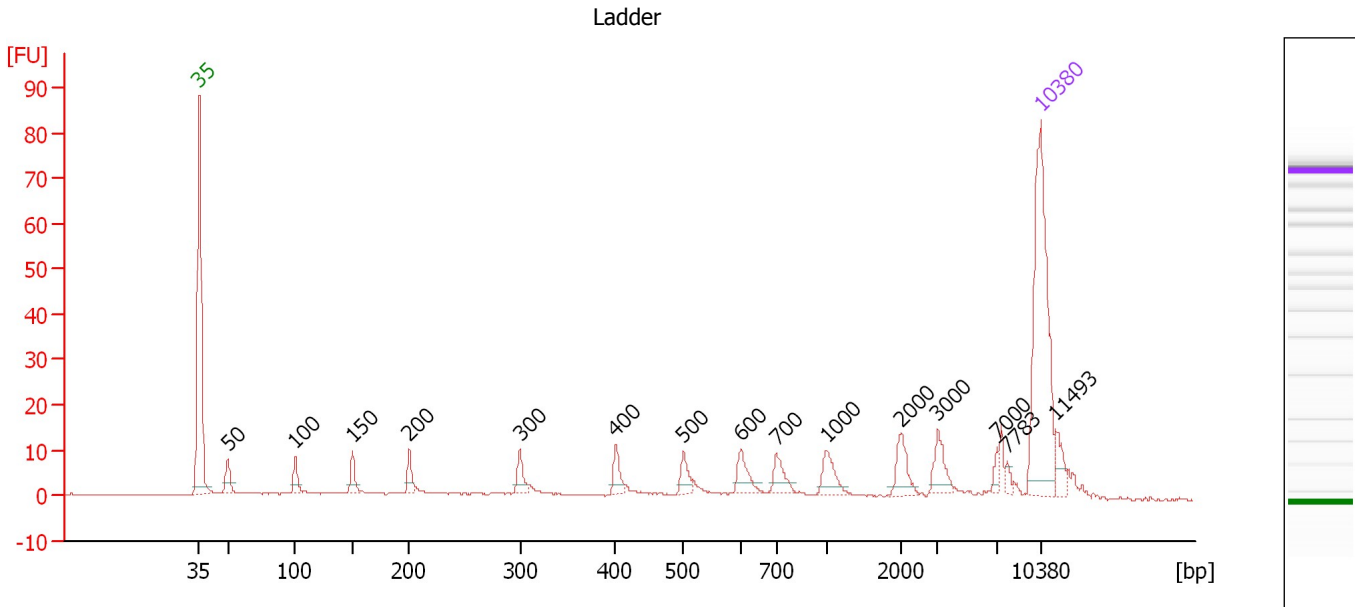
Ladder

| 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\2013-07-10\2013-07-10_001.xad

Created: 7/10/2013 9:22:46 AM
 Modified: 7/10/2013 10:05:40 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

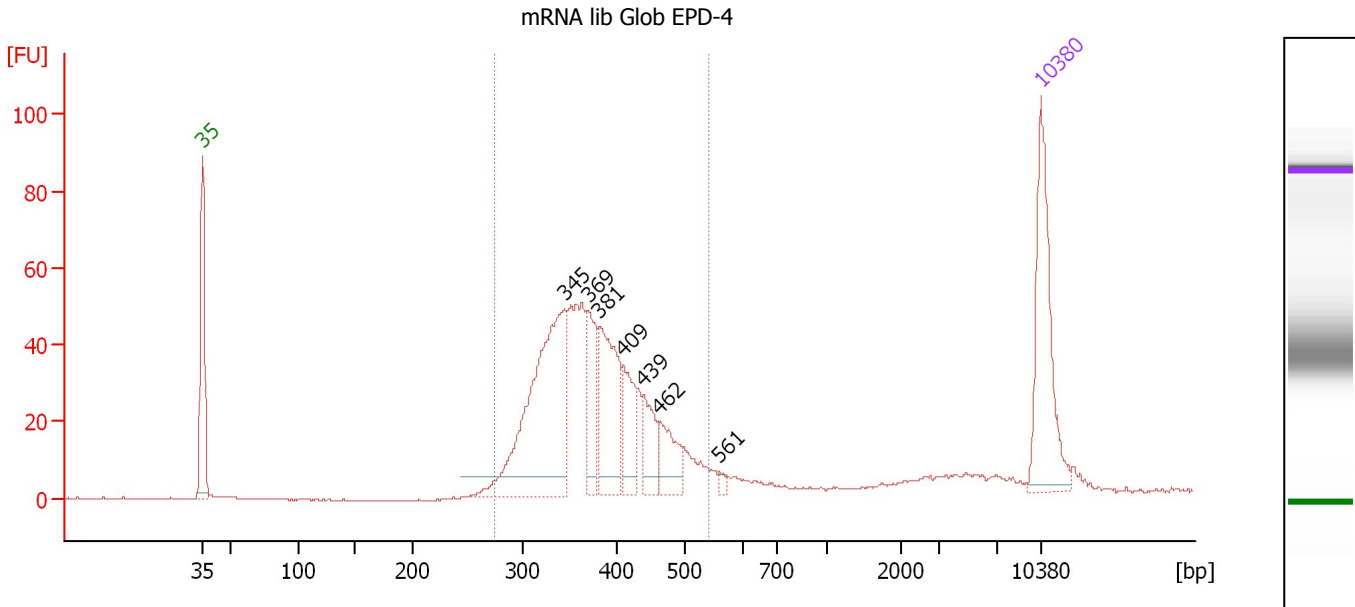
Peak table for Ladder

| 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 | 7,783 | 0.00 | 0.0 | |
| 16 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 17 | 11,493 | 0.00 | 0.0 | |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-10\2013-07-10_001.xad

Created: 7/10/2013 9:22:46 AM
 Modified: 7/10/2013 10:05:40 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : mRNA lib Glob EPD-4

Number of peaks found: 7 Corr. Area 1: 678.3
 Noise: 0.2

Peak table for sample 1 : mRNA lib Glob EPD-4

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 345 | 214.67 | 943.4 | |
| 3 | 369 | 52.66 | 216.0 | |
| 4 | 381 | 92.22 | 366.7 | |
| 5 | 409 | 42.03 | 155.8 | |
| 6 | 439 | 31.14 | 107.6 | |
| 7 | 462 | 34.21 | 112.1 | |
| 8 | 561 | 3.40 | 9.2 | |
| 9 | 10,380 | 75.00 | 10.9 | Upper Marker |

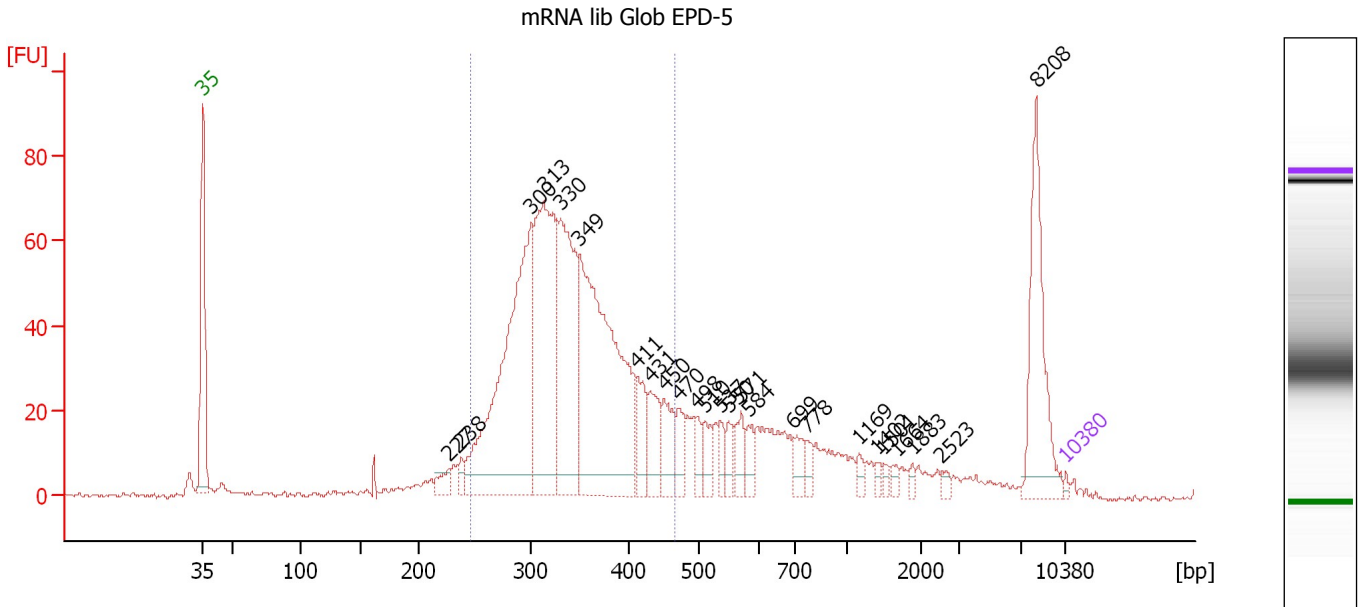
Region table for sample 1 : mRNA lib Glob EPD-4

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 275 | 542 | 378 | 2,478.8 | 603.62 | 678.3 | 89 | 14.7 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-10\2013-07-10_001.xad

Created: 7/10/2013 9:22:46 AM
 Modified: 7/10/2013 10:05:40 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : mRNA lib Glob EPD-5

Number of peaks found: 25 Corr. Area 1: 989.5
 Noise: 0.6

Peak table for sample 2 : mRNA lib Glob EPD-5

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 227 | 555.68 | 3,716.8 | |
| 3 | 238 | 382.07 | 2,429.2 | |
| 4 | 300 | 12,773.32 | 64,494.6 | |
| 5 | 313 | 8,984.00 | 43,551.9 | |
| 6 | 330 | 6,854.46 | 31,481.1 | |
| 7 | 349 | 12,397.92 | 53,843.9 | |
| 8 | 411 | 1,316.84 | 4,860.1 | |
| 9 | 431 | 1,438.54 | 5,062.9 | |
| 10 | 450 | 1,314.59 | 4,429.0 | |
| 11 | 470 | 847.05 | 2,732.5 | |
| 12 | 498 | 589.23 | 1,792.3 | |
| 13 | 510 | 694.49 | 2,061.5 | |
| 14 | 537 | 484.42 | 1,367.7 | |
| 15 | 550 | 470.18 | 1,294.8 | |
| 16 | 571 | 725.74 | 1,925.8 | |
| 17 | 584 | 565.43 | 1,467.9 | |
| 18 | 699 | 583.98 | 1,266.0 | |
| 19 | 778 | 399.20 | 777.6 | |
| 20 | 1,169 | 240.91 | 312.2 | |
| 21 | 1,402 | 163.23 | 176.3 | |
| 22 | 1,501 | 154.96 | 156.4 | |
| 23 | 1,664 | 187.93 | 171.1 | |
| 24 | 1,883 | 134.35 | 108.1 | |
| 25 | 2,523 | 153.63 | 92.3 | |
| 26 | 8,208 | 3,346.03 | 617.7 | |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-10\2013-07-10_001.xad


Created: 7/10/2013 9:22:46 AM
 Modified: 7/10/2013 10:05:40 AM

Electropherogram Summary Continued ...

... Peak table for sample 2 : mRNA lib Glob EPD-5

| Peak | Size [bp] | Conc. [pg/ μ l] | Molarity [pmol/l] | Observations |
|------|-----------|---------------------|-------------------|--------------|
| 27 | 10,380 | 75.00 | 10.9 | Upper Marker |

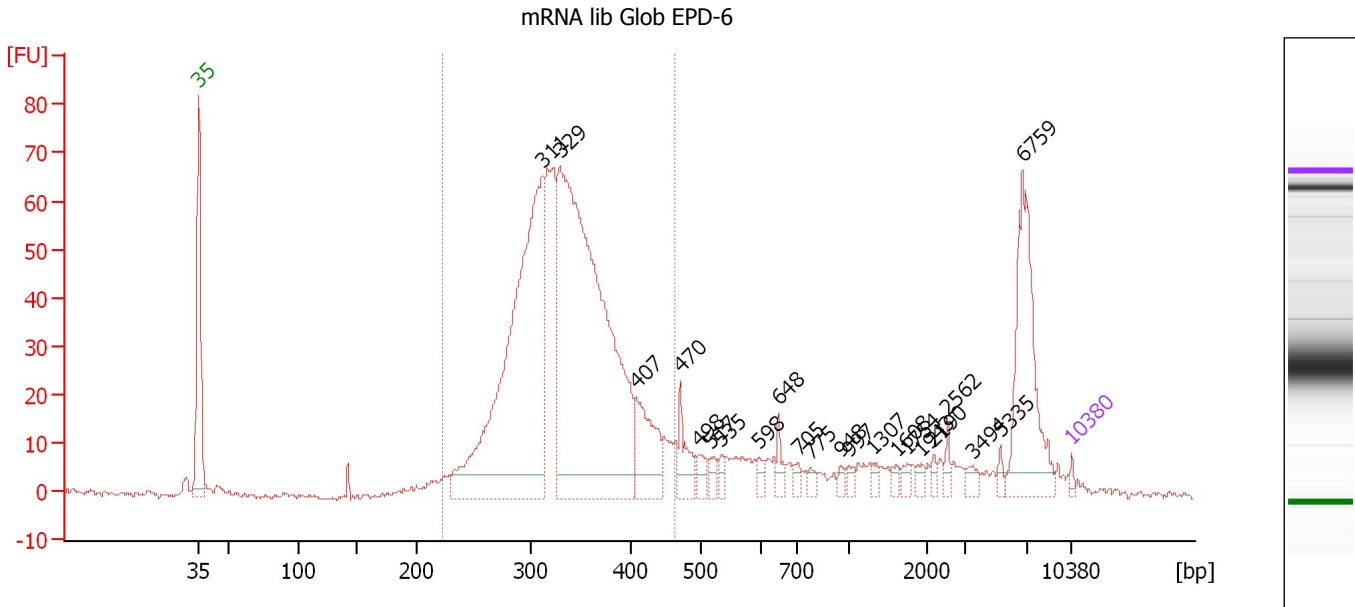
Region table for sample 2 : mRNA lib Glob EPD-5

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/ μ l] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------------|------------|------------|-----------------------------|---|
| 246 | 464 | 339 | 209,329.5 | 45,619.69 | 989.5 | 64 | 14.7 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-10\2013-07-10_001.xad

Created: 7/10/2013 9:22:46 AM
 Modified: 7/10/2013 10:05:40 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : mRNA lib Glob EPD-6

Number of peaks found: 22 Corr. Area 1: 883.6
 Noise: 0.5


Peak table for sample 3 : mRNA lib Glob EPD-6

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 311 | 13,094.84 | 63,797.5 | |
| 3 | 329 | 16,774.98 | 77,332.5 | |
| 4 | 407 | 1,821.07 | 6,772.1 | |
| 5 | 470 | 794.92 | 2,560.2 | |
| 6 | 498 | 286.24 | 871.3 | |
| 7 | 517 | 250.95 | 735.5 | |
| 8 | 535 | 204.61 | 579.6 | |
| 9 | 598 | 174.14 | 441.0 | |
| 10 | 648 | 308.51 | 721.1 | |
| 11 | 705 | 201.04 | 432.2 | |
| 12 | 775 | 163.23 | 319.2 | |
| 13 | 948 | 128.68 | 205.6 | |
| 14 | 997 | 152.30 | 231.5 | |
| 15 | 1,307 | 151.46 | 175.5 | |
| 16 | 1,608 | 142.75 | 134.5 | |
| 17 | 1,754 | 144.05 | 124.4 | |
| 18 | 1,943 | 134.66 | 105.0 | |
| 19 | 2,190 | 115.16 | 79.7 | |
| 20 | 2,562 | 176.43 | 104.3 | |
| 21 | 3,494 | 175.78 | 76.2 | |
| 22 | 5,335 | 119.24 | 33.9 | |
| 23 | 6,759 | 2,909.08 | 652.1 | |
| 24 | 10,380 | 75.00 | 10.9 | Upper Marker |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-10\2013-07-10_001.xad

Created: 7/10/2013 9:22:46 AM
Modified: 7/10/2013 10:05:40 AM

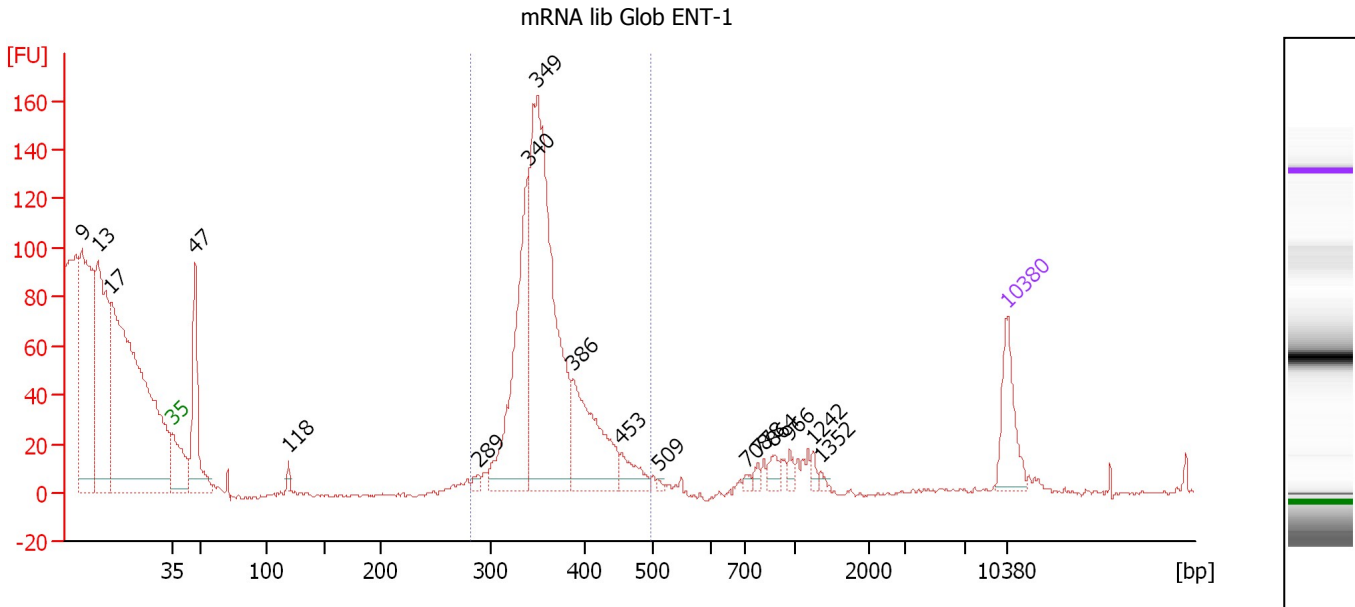
Electropherogram Summary Continued ...**... Region table for sample 3 : mRNA lib Glob EPD-6**

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Co lor |
|----------------------|----------------|------------------------------|------------------------------|--------------------------|-----------------------|-----------------------|--|---|
| 222 | 462 | 334 | 160,652.1 | 34,639.70 | 883.6 | 74 | 13.6 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-10\2013-07-10_001.xad

Created: 7/10/2013 9:22:46 AM
 Modified: 7/10/2013 10:05:40 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : mRNA lib Glob ENT-1

Number of peaks found: 17 Corr. Area 1: 317.3
 Noise: 0.7

Peak table for sample 4 : mRNA lib Glob ENT-1

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 9 | 0.00 | 0.0 | |
| 2 | 13 | 0.00 | 0.0 | |
| 3 | 17 | 0.00 | 0.0 | |
| 4 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 5 | 47 | 248.79 | 7,977.1 | |
| 6 | 118 | 12.45 | 159.3 | |
| 7 | 289 | 12.15 | 63.7 | |
| 8 | 340 | 386.66 | 1,721.1 | |
| 9 | 349 | 755.17 | 3,275.3 | |
| 10 | 386 | 233.09 | 914.3 | |
| 11 | 453 | 47.73 | 159.7 | |
| 12 | 509 | 3.70 | 11.0 | |
| 13 | 708 | 7.29 | 15.6 | |
| 14 | 778 | 9.20 | 17.9 | |
| 15 | 864 | 19.86 | 34.8 | |
| 16 | 966 | 12.31 | 19.3 | |
| 17 | 1,242 | 9.56 | 11.7 | |
| 18 | 1,352 | 5.66 | 6.3 | |
| 19 | 10,380 | 75.00 | 10.9 | Upper Marker |

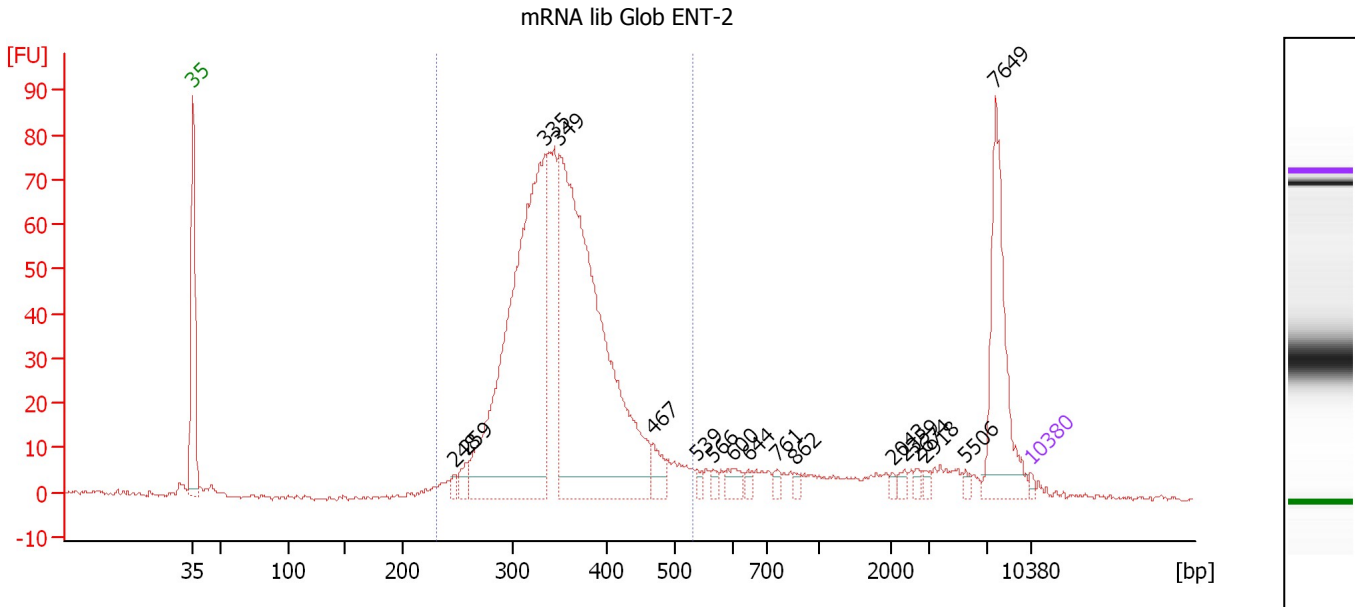
Region table for sample 4 : mRNA lib Glob ENT-1

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 282 | 497 | 349 | 1,990.3 | 458.05 | 317.3 | 97 | 2.8 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-10\2013-07-10_001.xad

Created: 7/10/2013 9:22:46 AM
 Modified: 7/10/2013 10:05:40 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : mRNA lib Glob ENT-2

Number of peaks found: 17 Corr. Area 1: 980.3
 Noise: 0.5

Peak table for sample 5 : mRNA lib Glob ENT-2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 248 | 227.69 | 1,392.4 | |
| 3 | 259 | 477.42 | 2,788.6 | |
| 4 | 335 | 17,251.40 | 78,087.0 | |
| 5 | 349 | 19,279.73 | 83,778.7 | |
| 6 | 467 | 680.60 | 2,207.4 | |
| 7 | 539 | 171.67 | 483.0 | |
| 8 | 566 | 177.39 | 474.5 | |
| 9 | 600 | 428.96 | 1,083.5 | |
| 10 | 644 | 152.99 | 360.0 | |
| 11 | 761 | 203.92 | 406.2 | |
| 12 | 862 | 127.19 | 223.6 | |
| 13 | 2,043 | 94.22 | 69.9 | |
| 14 | 2,359 | 163.74 | 105.2 | |
| 15 | 2,674 | 127.74 | 72.4 | |
| 16 | 2,918 | 113.58 | 59.0 | |
| 17 | 5,506 | 128.54 | 35.4 | |
| 18 | 7,649 | 3,370.97 | 667.7 | |
| 19 | 10,380 | 75.00 | 10.9 | Upper Marker |

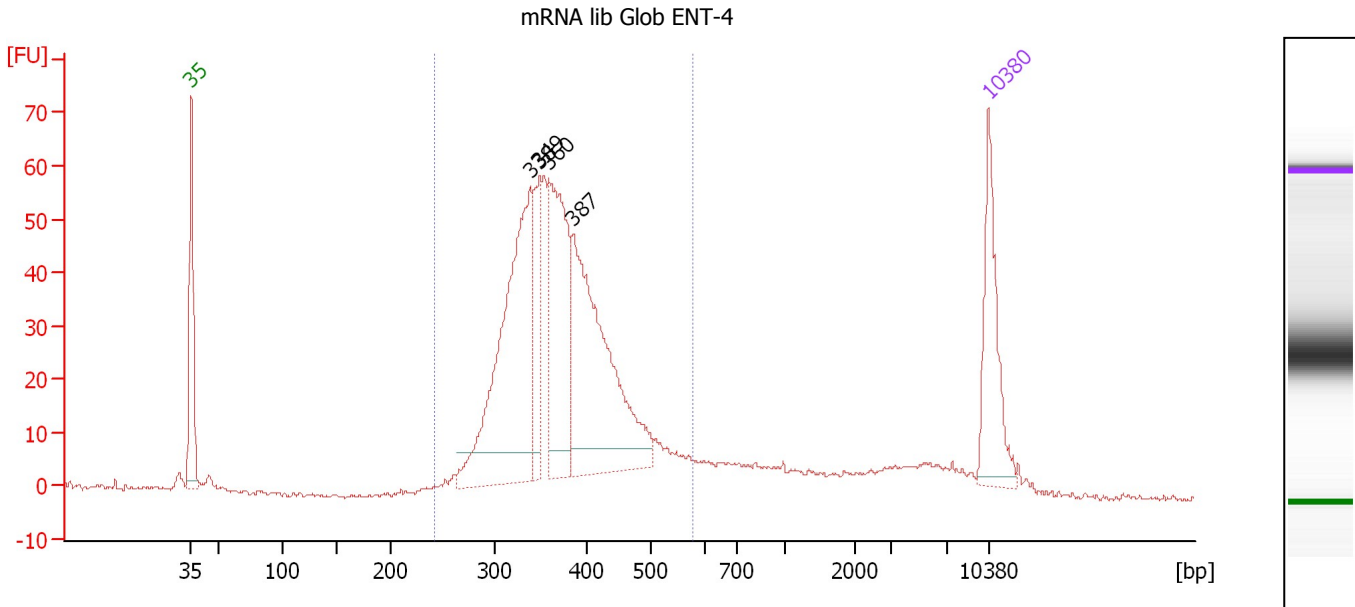
Region table for sample 5 : mRNA lib Glob ENT-2

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 232 | 530 | 353 | 187,226.9 | 42,515.52 | 980.3 | 78 | 14.6 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-10\2013-07-10_001.xad

Created: 7/10/2013 9:22:46 AM
 Modified: 7/10/2013 10:05:40 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : mRNA lib Glob ENT-4

Number of peaks found: 4 Corr. Area 1: 799.5
 Noise: 0.4

Peak table for sample 6 : mRNA lib Glob ENT-4

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 338 | 336.79 | 1,507.6 | |
| 3 | 349 | 80.72 | 350.4 | |
| 4 | 360 | 197.13 | 830.6 | |
| 5 | 387 | 287.17 | 1,125.6 | |
| 6 | 10,380 | 75.00 | 10.9 | Upper Marker |

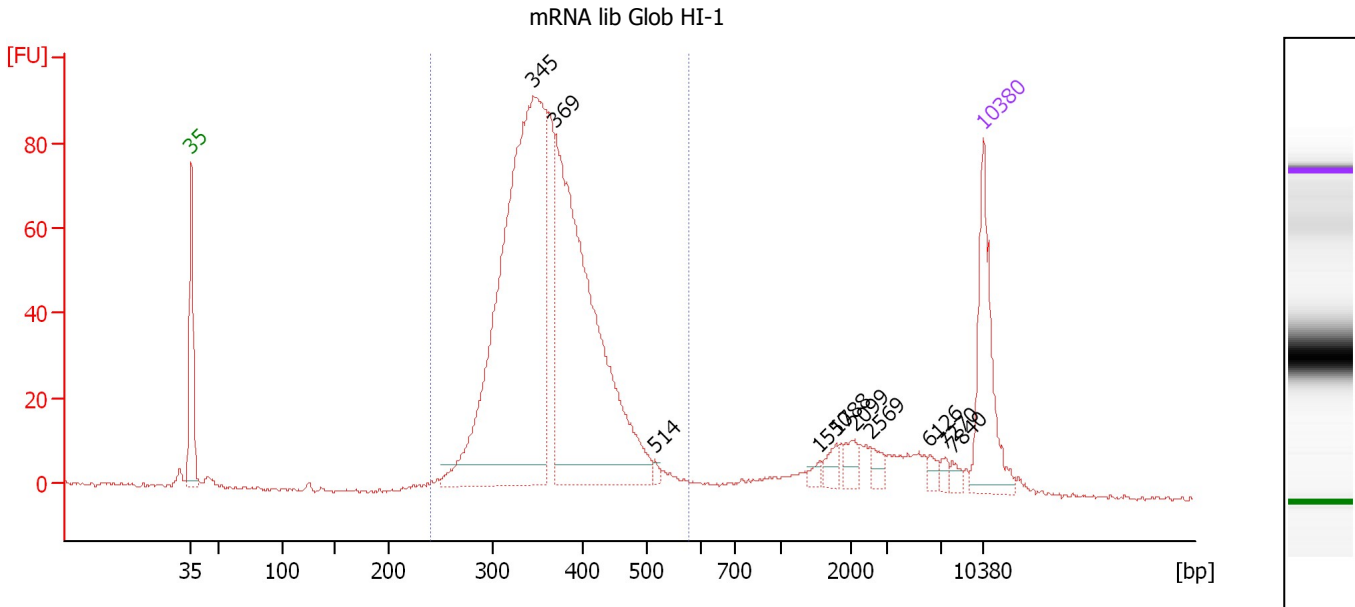
Region table for sample 6 : mRNA lib Glob ENT-4

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 243 | 578 | 377 | 4,568.1 | 1,100.37 | 799.5 | 84 | 16.4 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-10\2013-07-10_001.xad

Created: 7/10/2013 9:22:46 AM
 Modified: 7/10/2013 10:05:40 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : mRNA lib Glob HI-1

Number of peaks found: 10 Corr. Area 1: 1,142.7
 Noise: 0.5

Peak table for sample 7 : mRNA lib Glob HI-1

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 345 | 671.80 | 2,954.4 | |
| 3 | 369 | 484.37 | 1,990.3 | |
| 4 | 514 | 4.24 | 12.5 | |
| 5 | 1,550 | 5.34 | 5.2 | |
| 6 | 1,788 | 9.83 | 8.3 | |
| 7 | 2,099 | 11.00 | 7.9 | |
| 8 | 2,569 | 9.28 | 5.5 | |
| 9 | 6,126 | 5.66 | 1.4 | |
| 10 | 7,270 | 5.52 | 1.1 | |
| 11 | 7,840 | 5.36 | 1.0 | |
| 12 | 10,380 | 75.00 | 10.9 | Upper Marker |

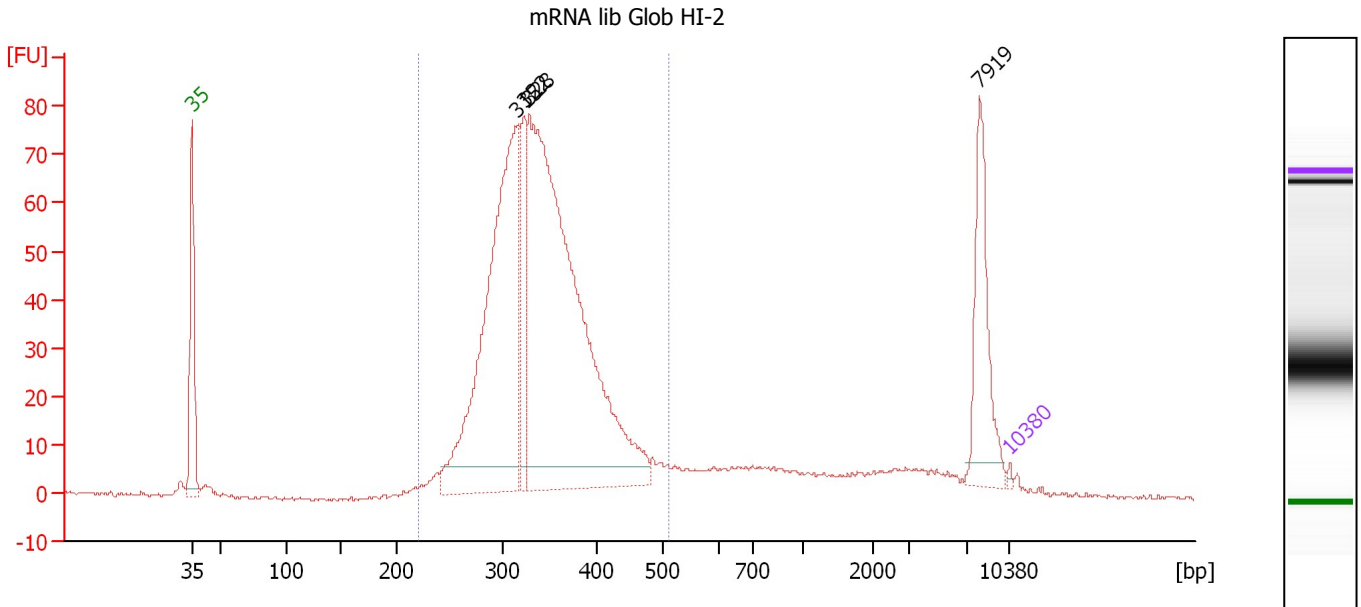
Region table for sample 7 : mRNA lib Glob HI-1

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 240 | 576 | 365 | 5,502.9 | 1,294.85 | 1,142.7 | 86 | 14.5 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-10\2013-07-10_001.xad

Created: 7/10/2013 9:22:46 AM
 Modified: 7/10/2013 10:05:40 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : mRNA lib Glob HI-2

Number of peaks found: 4 Corr. Area 1: 1,006.5
 Noise: 0.4

Peak table for sample 8 : mRNA lib Glob HI-2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 315 | 19,125.06 | 92,006.8 | |
| 3 | 322 | 3,671.58 | 17,255.9 | |
| 4 | 328 | 30,041.85 | 138,973.8 | |
| 5 | 7,919 | 3,590.88 | 687.0 | |
| 6 | 10,380 | 75.00 | 10.9 | Upper Marker |

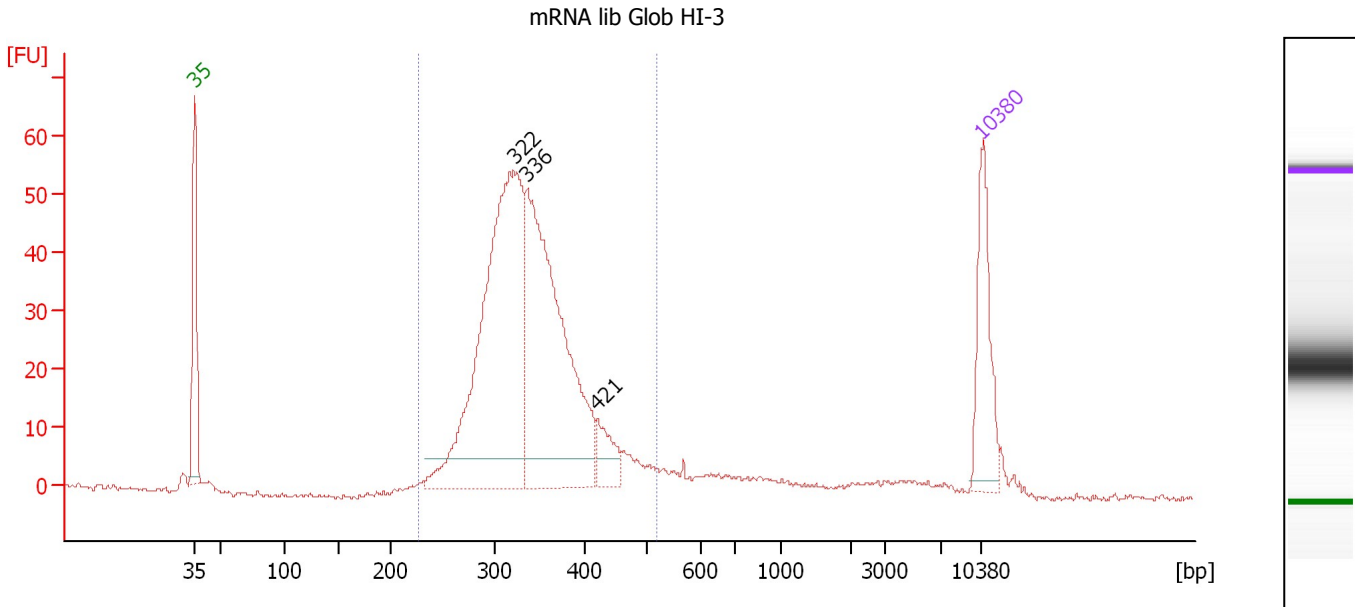
Region table for sample 8 : mRNA lib Glob HI-2

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 220 | 511 | 340 | 251,039.0 | 54,906.64 | 1,006.5 | 80 | 14.7 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-10\2013-07-10_001.xad

Created: 7/10/2013 9:22:46 AM
 Modified: 7/10/2013 10:05:40 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : mRNA lib Glob HI-3

Number of peaks found: 3 Corr. Area 1: 655.2
 Noise: 0.4

Peak table for sample 9 : mRNA lib Glob HI-3

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 322 | 547.98 | 2,579.4 | |
| 3 | 336 | 441.35 | 1,992.9 | |
| 4 | 421 | 38.20 | 137.3 | |
| 5 | 10,380 | 75.00 | 10.9 | Upper Marker |

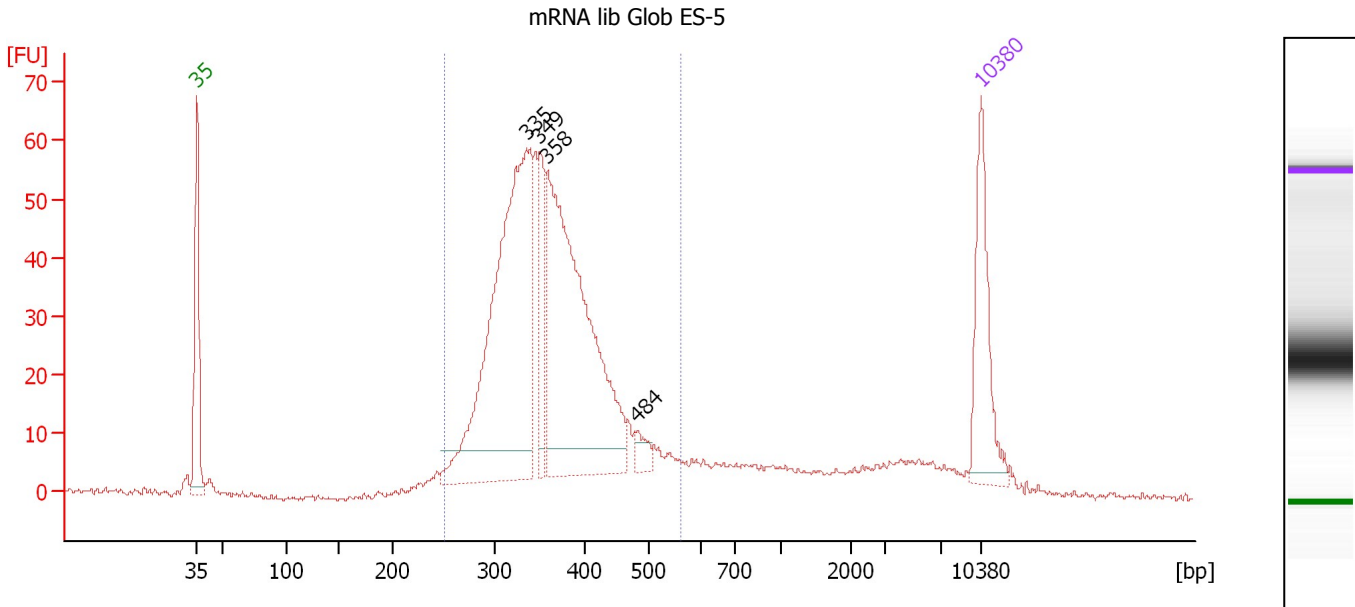
Region table for sample 9 : mRNA lib Glob HI-3

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 226 | 518 | 341 | 4,951.2 | 1,087.68 | 655.2 | 89 | 14.8 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-10\2013-07-10_001.xad

Created: 7/10/2013 9:22:46 AM
 Modified: 7/10/2013 10:05:40 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : mRNA lib Glob ES-5

Number of peaks found: 4 Corr. Area 1: 801.6
 Noise: 0.6

Peak table for sample 10 : mRNA lib Glob ES-5

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 335 | 465.85 | 2,106.9 | |
| 3 | 349 | 72.88 | 316.1 | |
| 4 | 358 | 418.66 | 1,770.6 | |
| 5 | 484 | 15.60 | 48.9 | |
| 6 | 10,380 | 75.00 | 10.9 | Upper Marker |

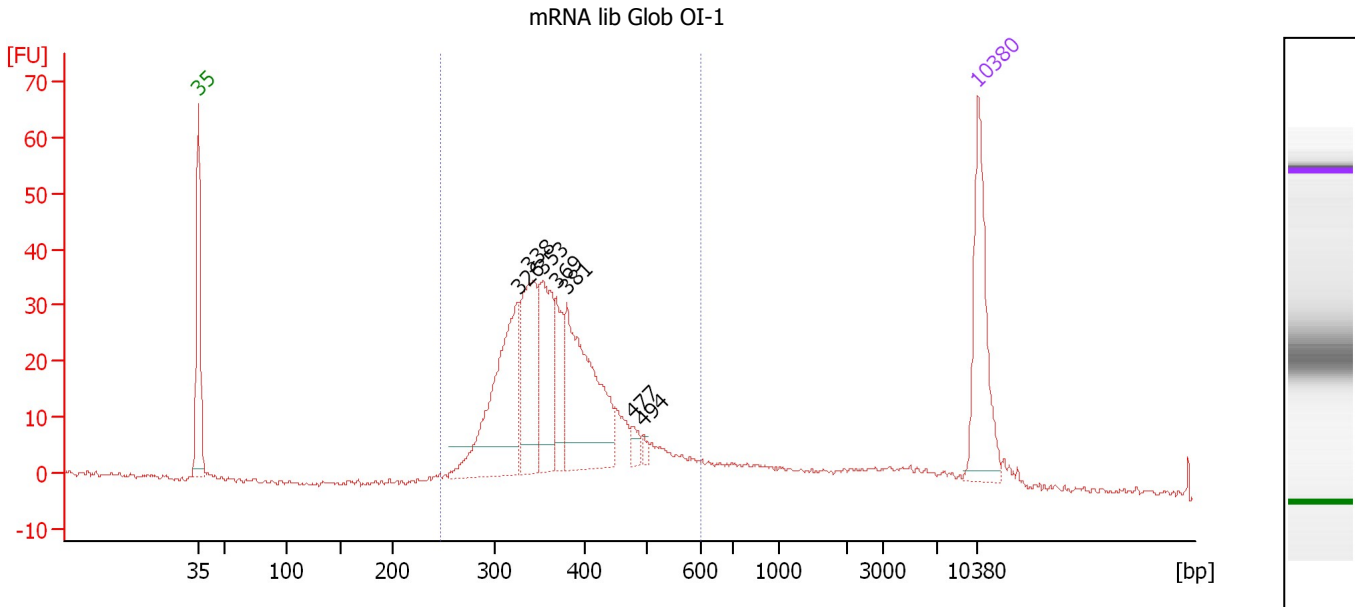
Region table for sample 10 : mRNA lib Glob ES-5

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 251 | 562 | 363 | 5,042.9 | 1,171.08 | 801.6 | 82 | 16.4 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-10\2013-07-10_001.xad

Created: 7/10/2013 9:22:46 AM
 Modified: 7/10/2013 10:05:40 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : mRNA lib Glob OI-1

Number of peaks found: 7 Corr. Area 1: 425.2
 Noise: 0.4

Peak table for sample 11 : mRNA lib Glob OI-1

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 326 | 169.78 | 789.3 | |
| 3 | 338 | 108.57 | 486.0 | |
| 4 | 353 | 91.54 | 393.0 | |
| 5 | 369 | 44.51 | 182.7 | |
| 6 | 381 | 159.99 | 636.1 | |
| 7 | 477 | 8.90 | 28.3 | |
| 8 | 494 | 4.75 | 14.6 | |
| 9 | 10,380 | 75.00 | 10.9 | Upper Marker |

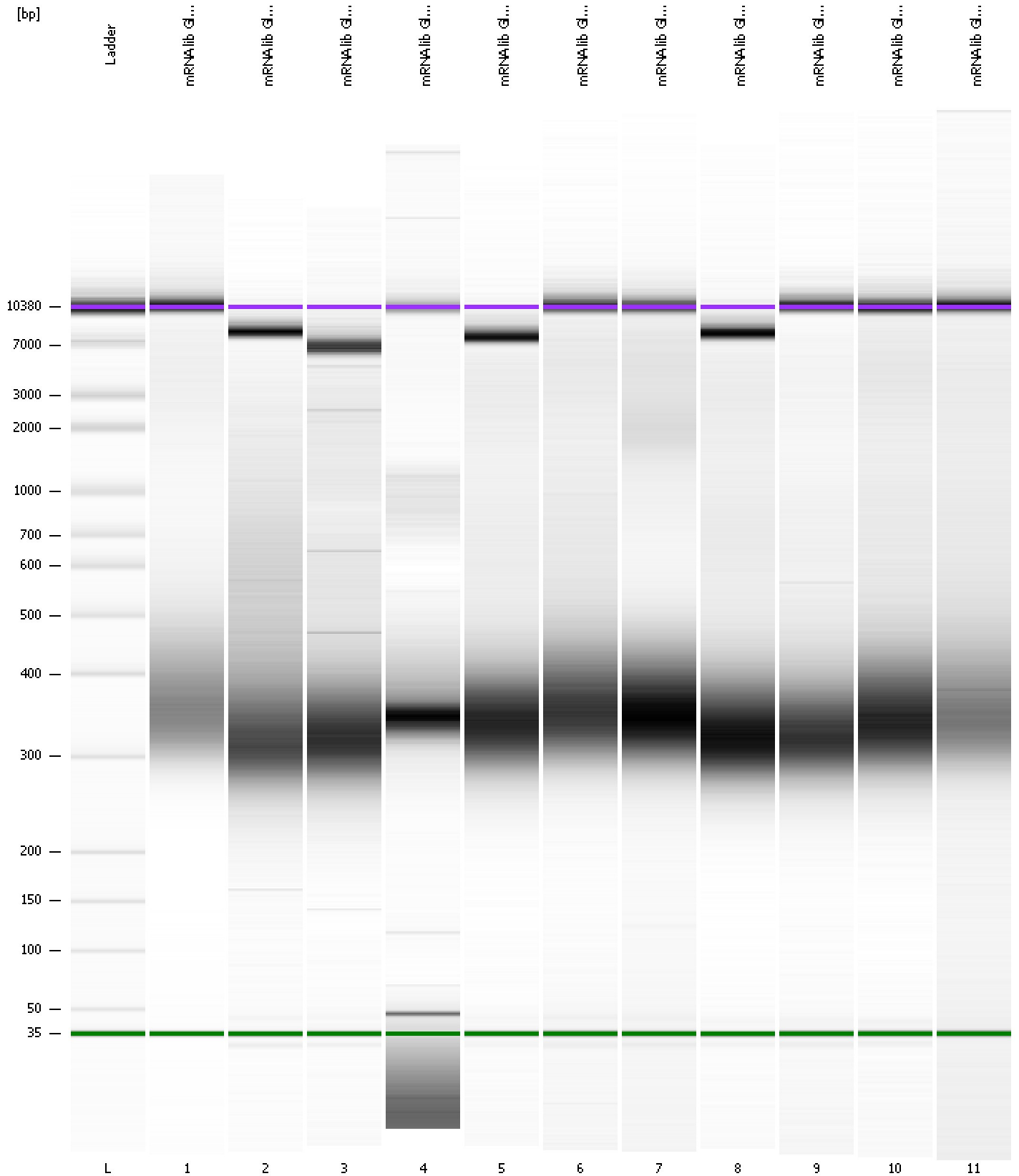
Region table for sample 11 : mRNA lib Glob OI-1

| From [bp] | To [bp] | Average Size [bp] | Molarity [pmol/l] | Conc. [pg/μl] | Corr. Area | % of Total | Size distribution in CV [%] | Color |
|-----------|---------|-------------------|-------------------|---------------|------------|------------|-----------------------------|-------|
| 246 | 601 | 370 | 2,544.0 | 605.39 | 425.2 | 100 | 15.4 | Blue |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-10\2013-07-10_001.xad

Created: 7/10/2013 9:22:46 AM
Modified: 7/10/2013 10:05:40 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-07-10\2013-07-10_001.xad

Created: 7/10/2013 9:22:46 AM
 Modified: 7/10/2013 10:05:40 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 | | 7/10/2013 10:04:04 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-07-10\2013-07-10_001.xad) | | Instrument | Run | | 7/10/2013 9:22:52 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 7/10/2013 9:22:52 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 7/10/2013 9:22:52 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 7/10/2013 9:22:52 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 7/10/2013 9:22:52 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 7/10/2013 9:22:52 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 7/10/2013 9:22:52 AM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |