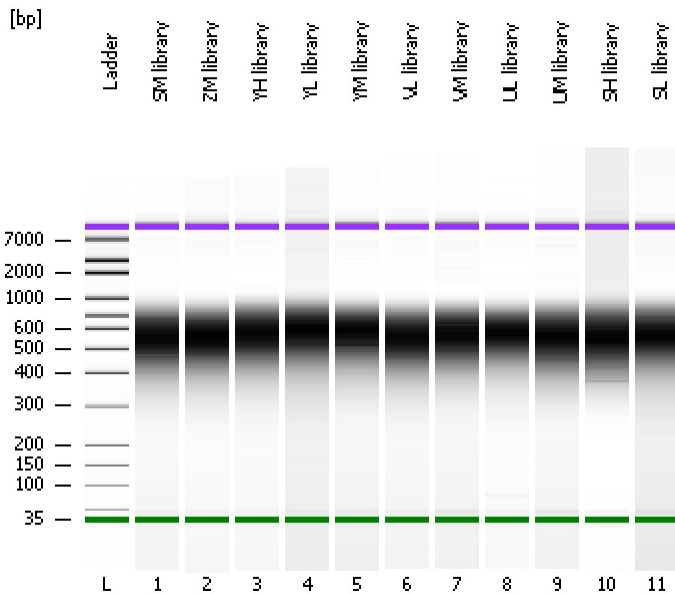


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-30\2015-12-30_002.xad

Created: 12/30/2015 11:41:38 AM
Modified: 1/4/2016 10:01:57 AM

Electrophoresis File Run Summary



Instrument Information:

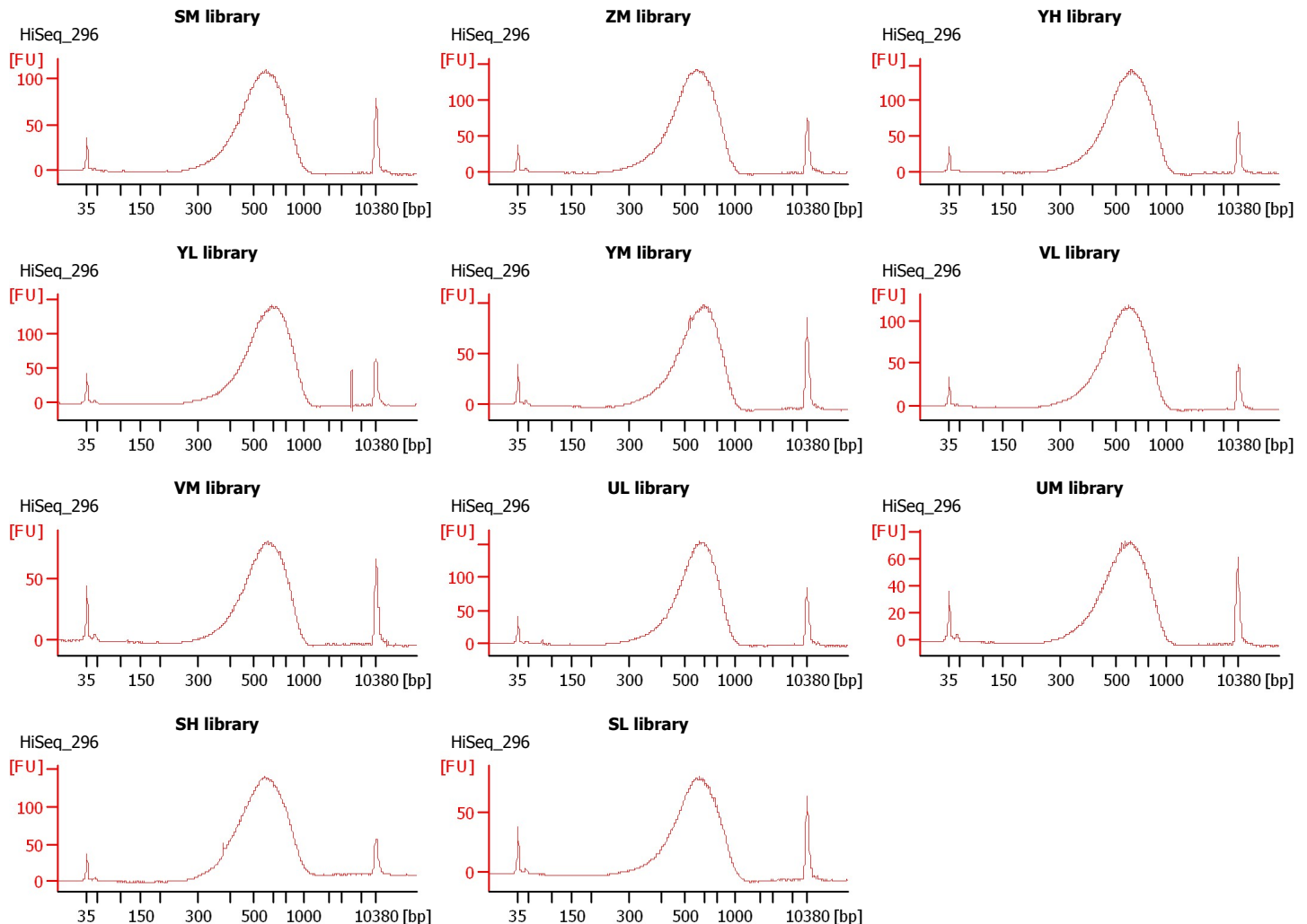
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-30\2015-12-30_002.xad

Created: 12/30/2015 11:41:38 AM
Modified: 1/4/2016 10:01:57 AM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|-------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| SM library | HiSeq_296 | <input type="checkbox"/> | ✓ | | | |
| ZM library | HiSeq_296 | <input type="checkbox"/> | ✓ | | | |
| YH library | HiSeq_296 | <input type="checkbox"/> | ✓ | | | |
| YL library | HiSeq_296 | <input type="checkbox"/> | ✓ | | | |
| YM library | HiSeq_296 | <input type="checkbox"/> | ✓ | | | |
| VL library | HiSeq_296 | <input type="checkbox"/> | ✓ | | | |
| VM library | HiSeq_296 | <input type="checkbox"/> | ✓ | | | |
| UL library | HiSeq_296 | <input type="checkbox"/> | ✓ | | | |
| UM library | HiSeq_296 | <input type="checkbox"/> | ✓ | | | |
| SH library | HiSeq_296 | <input type="checkbox"/> | ✓ | | | |
| SL library | HiSeq_296 | <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\2015-12-30\2015-12-30_002.xad

Created: 12/30/2015 11:41:38 AM
Modified: 1/4/2016 10:01:57 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

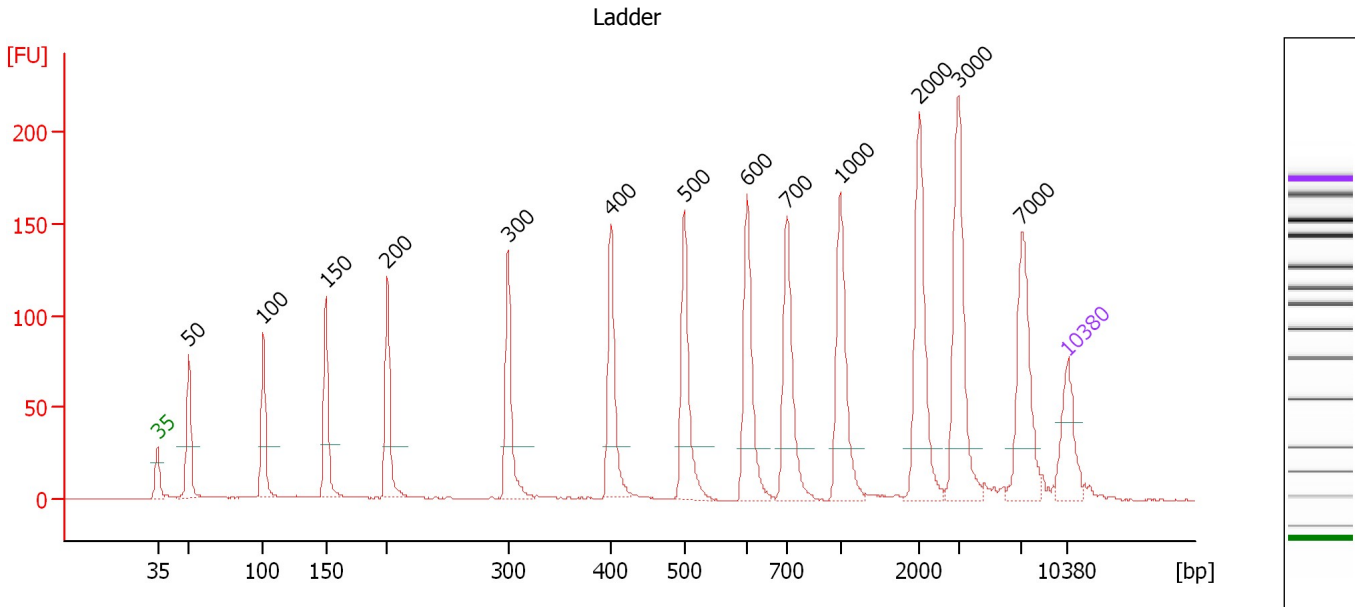
Ladder

| 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\2015-12-30\2015-12-30_002.xad

Created: 12/30/2015 11:41:38 AM
 Modified: 1/4/2016 10:01:57 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

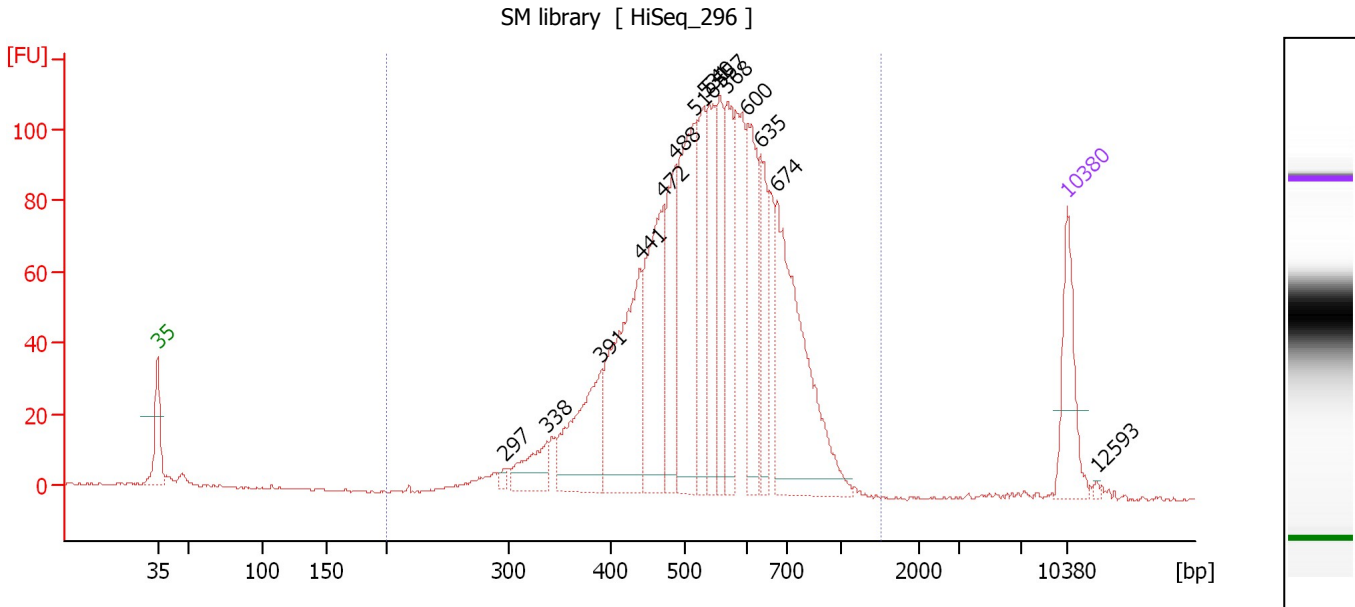
Peak table for Ladder

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 2 | 50 | 150.00 | 4,545.5 | Ladder Peak | 45.40 |
| 3 | 100 | 150.00 | 2,272.7 | Ladder Peak | 51.13 |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak | 55.93 |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak | 60.69 |
| 6 | 300 | 150.00 | 757.6 | Ladder Peak | 69.98 |
| 7 | 400 | 150.00 | 568.2 | Ladder Peak | 77.89 |
| 8 | 500 | 150.00 | 454.5 | Ladder Peak | 83.53 |
| 9 | 600 | 150.00 | 378.8 | Ladder Peak | 88.38 |
| 10 | 700 | 150.00 | 324.7 | Ladder Peak | 91.44 |
| 11 | 1,000 | 150.00 | 227.3 | Ladder Peak | 95.53 |
| 12 | 2,000 | 150.00 | 113.6 | Ladder Peak | 101.62 |
| 13 | 3,000 | 150.00 | 75.8 | Ladder Peak | 104.64 |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak | 109.53 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-30\2015-12-30_002.xad

Created: 12/30/2015 11:41:38 AM
 Modified: 1/4/2016 10:01:57 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : SM library

Number of peaks found: 15 Corr. Area 1: 1,790.2
 Noise: 0.3

Peak table for sample 1 : SM library

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 2 | 297 | 7.08 | 36.1 | | 69.70 |
| 3 | 338 | 57.10 | 256.3 | | 72.95 |
| 4 | 391 | 155.01 | 600.7 | | 77.18 |
| 5 | 441 | 249.76 | 858.1 | | 80.20 |
| 6 | 472 | 208.17 | 668.6 | | 81.94 |
| 7 | 488 | 143.37 | 445.6 | | 82.83 |
| 8 | 516 | 228.25 | 670.5 | | 84.30 |
| 9 | 531 | 120.65 | 344.0 | | 85.05 |
| 10 | 540 | 128.92 | 362.0 | | 85.45 |
| 11 | 557 | 97.04 | 263.9 | | 86.30 |
| 12 | 568 | 137.42 | 366.5 | | 86.83 |
| 13 | 600 | 133.87 | 337.8 | | 88.39 |
| 14 | 635 | 75.49 | 180.1 | | 89.46 |
| 15 | 674 | 307.13 | 690.0 | | 90.66 |
| 16 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 17 | 12,593 | 0.00 | 0.0 | | 115.27 |

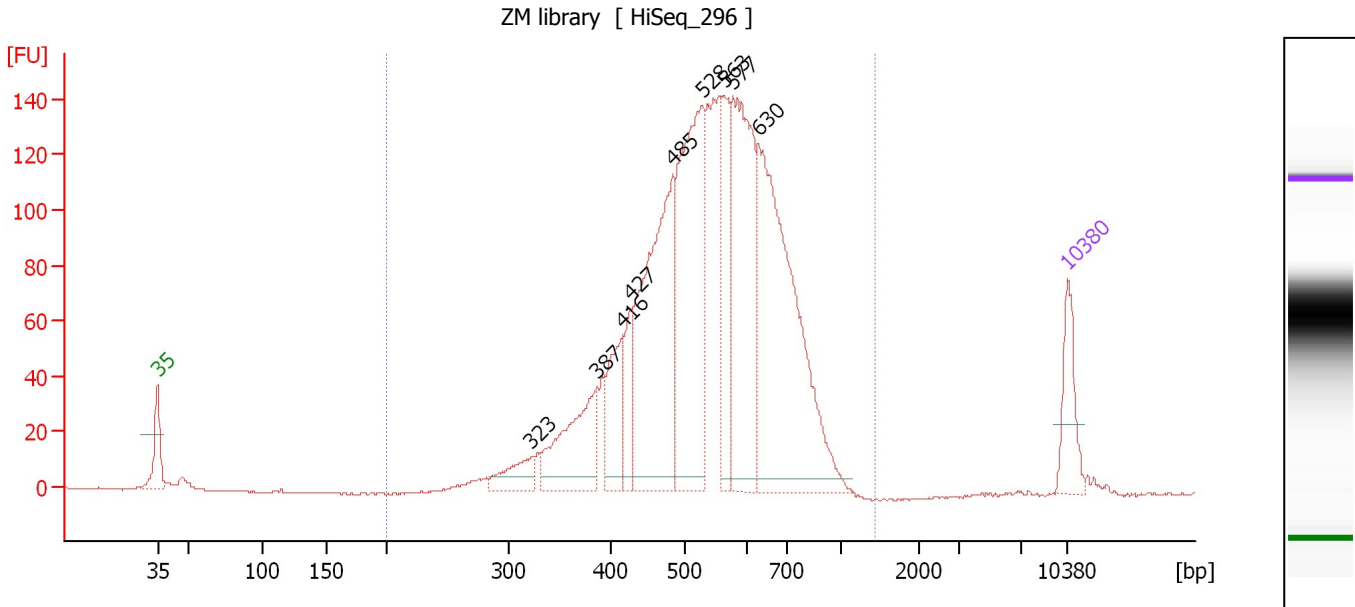
Region table for sample 1 : SM library

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,510 | 548 | 1,790.2 | 6,952.9 | 2,334.05 | 99 | 23.2 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-30\2015-12-30_002.xad

Created: 12/30/2015 11:41:38 AM
 Modified: 1/4/2016 10:01:57 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : ZM library

Number of peaks found: 9 Corr. Area 1: 2,222.2
 Noise: 0.3

Peak table for sample 2 : ZM library

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 2 | 323 | 68.30 | 320.4 | | 71.79 |
| 3 | 387 | 208.92 | 818.8 | | 76.83 |
| 4 | 416 | 130.17 | 474.5 | | 78.77 |
| 5 | 427 | 88.28 | 312.9 | | 79.44 |
| 6 | 485 | 533.32 | 1,667.8 | | 82.66 |
| 7 | 528 | 511.06 | 1,465.3 | | 84.91 |
| 8 | 563 | 164.11 | 441.6 | | 86.59 |
| 9 | 577 | 431.44 | 1,133.4 | | 87.25 |
| 10 | 630 | 653.54 | 1,572.9 | | 89.28 |
| 11 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

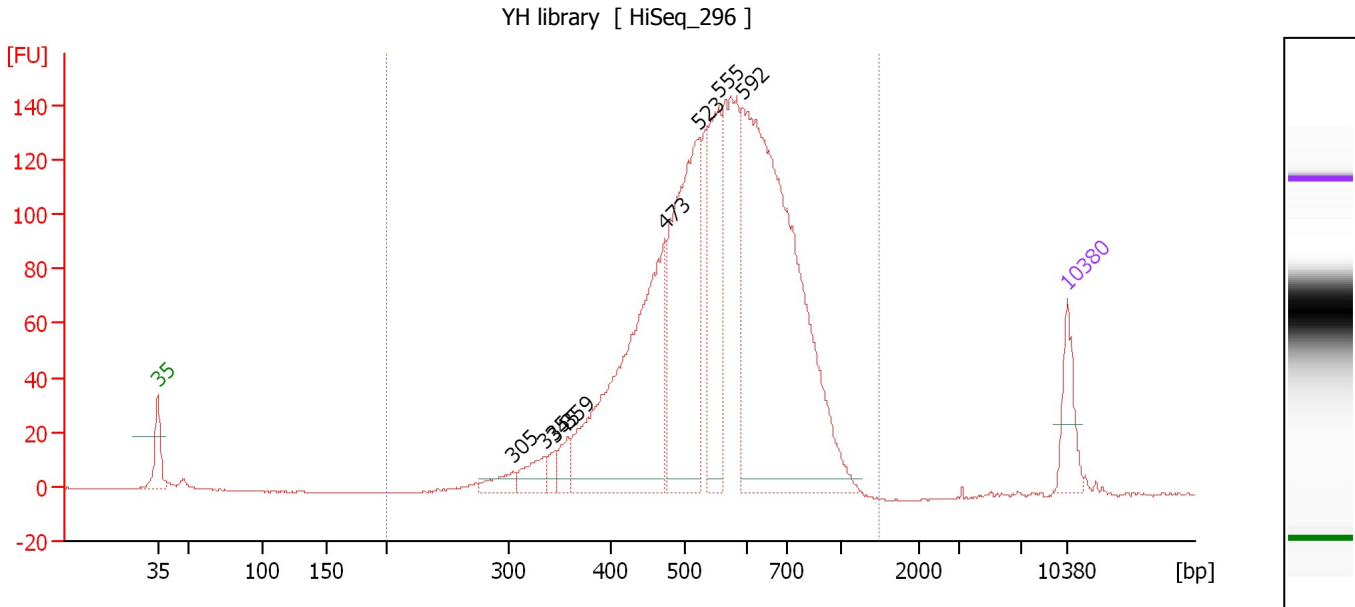
Region table for sample 2 : ZM library

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,453 | 548 | 2,222.2 | 9,307.8 | 3,146.87 | 99 | 21.9 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-30\2015-12-30_002.xad

Created: 12/30/2015 11:41:38 AM
 Modified: 1/4/2016 10:01:57 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : YH library

Number of peaks found: 8 Corr. Area 1: 2,217.3
 Noise: 0.3

Peak table for sample 3 : YH library

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 2 | 305 | 44.53 | 221.4 | | 70.35 |
| 3 | 335 | 64.88 | 293.5 | | 72.75 |
| 4 | 345 | 26.21 | 115.1 | | 73.54 |
| 5 | 359 | 45.19 | 191.0 | | 74.61 |
| 6 | 473 | 757.63 | 2,426.7 | | 82.01 |
| 7 | 523 | 588.78 | 1,707.1 | | 84.63 |
| 8 | 555 | 288.45 | 788.0 | | 86.18 |
| 9 | 592 | 1,244.73 | 3,185.0 | | 88.00 |
| 10 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

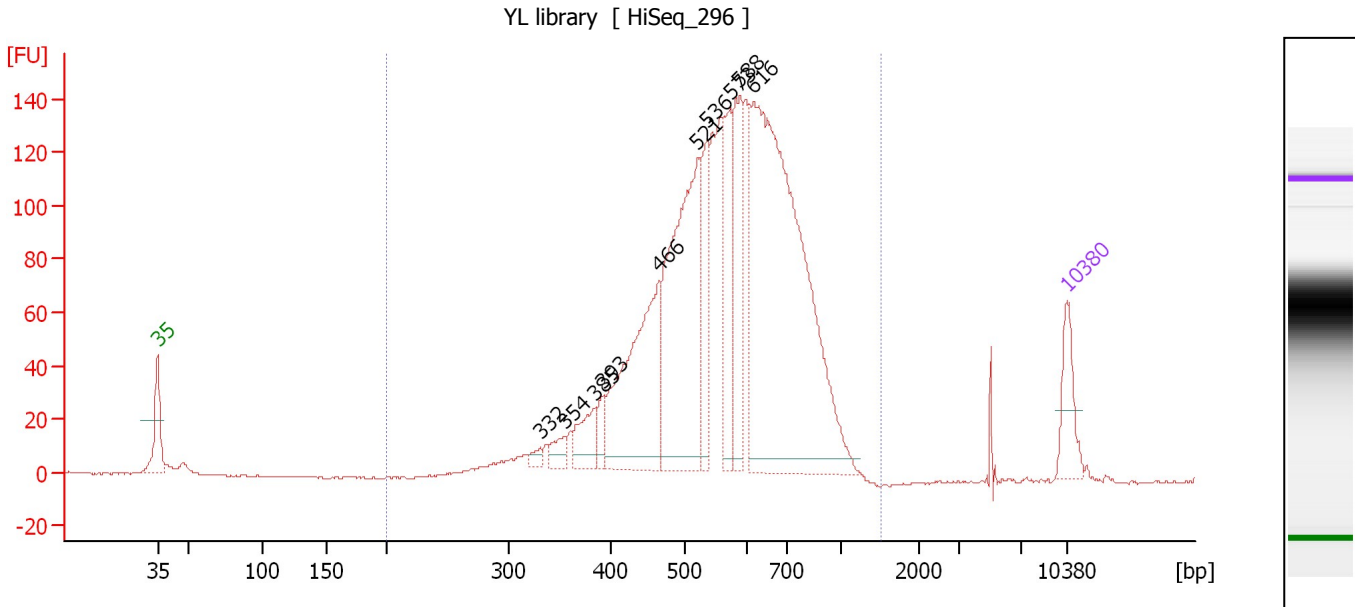
Region table for sample 3 : YH library

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,496 | 569 | 2,217.3 | 10,161.4 | 3,548.16 | 99 | 23.4 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-30\2015-12-30_002.xad

Created: 12/30/2015 11:41:38 AM
 Modified: 1/4/2016 10:01:57 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : YL library

Number of peaks found: 10 Corr. Area 1: 2,154.6
 Noise: 0.2

Peak table for sample 4 : YL library

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 2 | 332 | 17.18 | 78.5 | | 72.47 |
| 3 | 354 | 36.04 | 154.1 | | 74.28 |
| 4 | 385 | 79.65 | 313.8 | | 76.67 |
| 5 | 393 | 34.69 | 133.9 | | 77.30 |
| 6 | 466 | 438.95 | 1,426.2 | | 81.63 |
| 7 | 521 | 605.06 | 1,758.5 | | 84.57 |
| 8 | 536 | 154.59 | 436.8 | | 85.29 |
| 9 | 573 | 184.58 | 488.4 | | 87.05 |
| 10 | 588 | 220.87 | 568.7 | | 87.82 |
| 11 | 616 | 1,170.82 | 2,882.0 | | 88.85 |
| 12 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

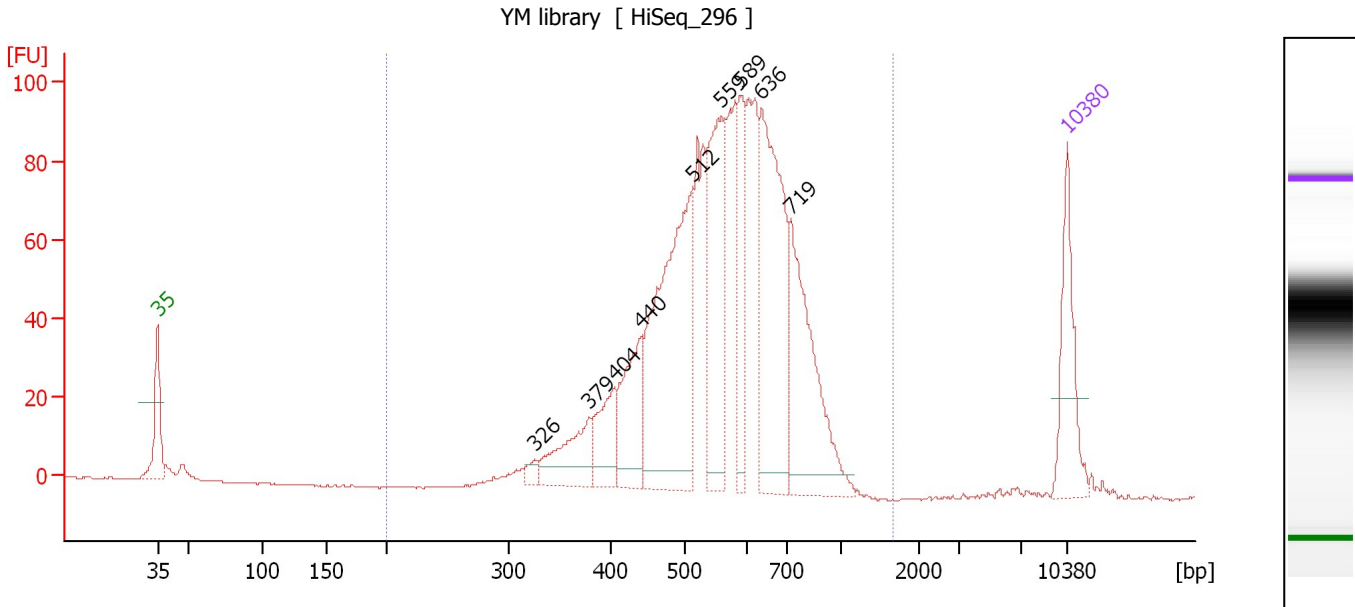
Region table for sample 4 : YL library

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,520 | 583 | 2,154.6 | 10,071.8 | 3,582.08 | 99 | 24.1 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-30\2015-12-30_002.xad

Created: 12/30/2015 11:41:38 AM
 Modified: 1/4/2016 10:01:57 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : YM library

Number of peaks found: 9 Corr. Area 1: 1,416.3
 Noise: 0.2

Peak table for sample 5 : YM library

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 2 | 326 | 11.06 | 51.4 | | 72.05 |
| 3 | 379 | 78.81 | 315.4 | | 76.20 |
| 4 | 404 | 64.38 | 241.5 | | 78.11 |
| 5 | 440 | 101.20 | 348.2 | | 80.17 |
| 6 | 512 | 341.07 | 1,008.6 | | 84.13 |
| 7 | 559 | 189.87 | 514.2 | | 86.41 |
| 8 | 589 | 80.36 | 206.8 | | 87.83 |
| 9 | 636 | 250.33 | 596.7 | | 89.47 |
| 10 | 719 | 201.26 | 424.1 | | 91.70 |
| 11 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

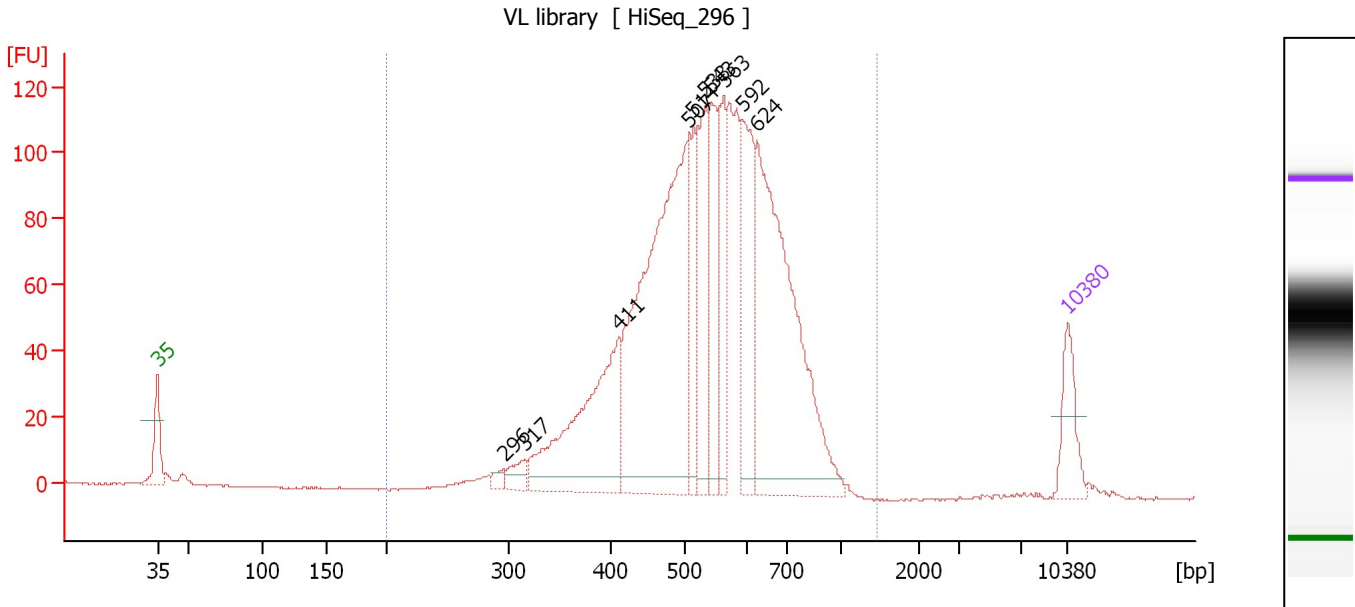
Region table for sample 5 : YM library

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,660 | 574 | 1,416.3 | 4,832.9 | 1,716.29 | 99 | 22.0 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-30\2015-12-30_002.xad

Created: 12/30/2015 11:41:38 AM
 Modified: 1/4/2016 10:01:57 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : VL library

Number of peaks found: 10 Corr. Area 1: 1,833.3
 Noise: 0.2

Peak table for sample 6 : VL library

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 2 | 296 | 18.59 | 95.0 | | 69.64 |
| 3 | 317 | 37.44 | 179.1 | | 71.30 |
| 4 | 411 | 420.07 | 1,548.7 | | 78.51 |
| 5 | 507 | 929.93 | 2,780.0 | | 83.86 |
| 6 | 514 | 147.25 | 433.7 | | 84.23 |
| 7 | 533 | 207.42 | 590.1 | | 85.11 |
| 8 | 543 | 186.17 | 519.4 | | 85.62 |
| 9 | 563 | 181.79 | 489.2 | | 86.59 |
| 10 | 592 | 224.54 | 575.0 | | 87.97 |
| 11 | 624 | 719.31 | 1,745.3 | | 89.13 |
| 12 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

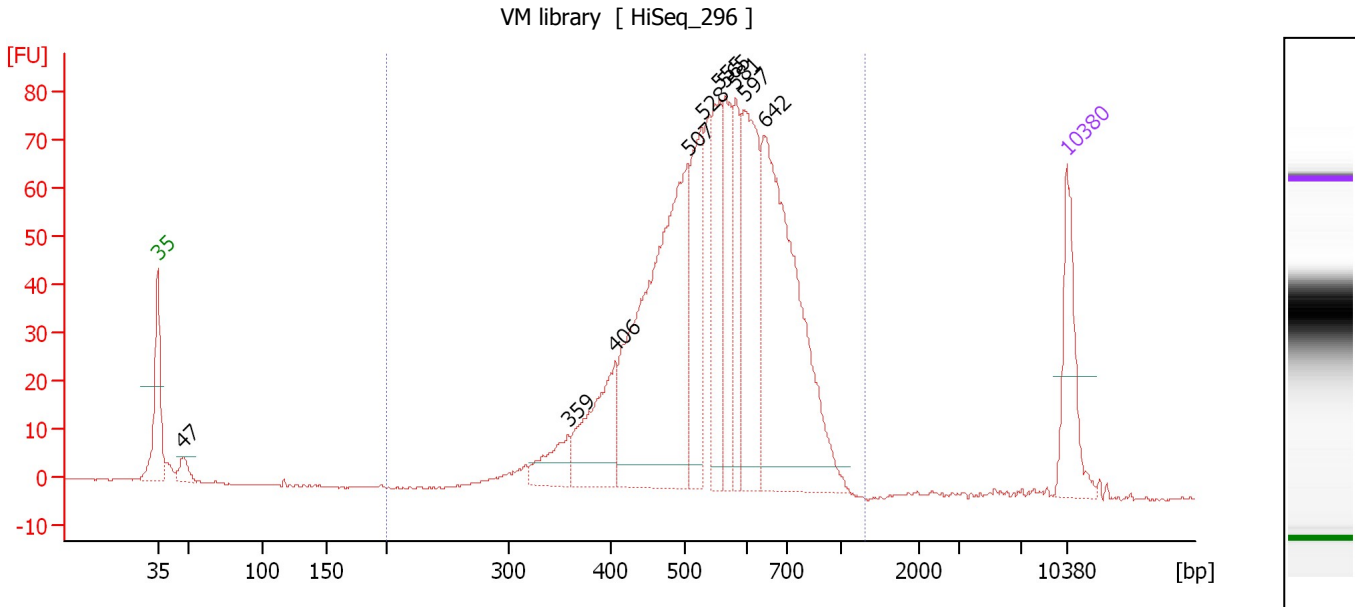
Region table for sample 6 : VL library

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,473 | 546 | 1,833.3 | 9,891.8 | 3,329.57 | 99 | 22.1 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-30\2015-12-30_002.xad

Created: 12/30/2015 11:41:38 AM
 Modified: 1/4/2016 10:01:57 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : VM library

Number of peaks found: 10 Corr. Area 1: 1,195.6
 Noise: 0.2

Peak table for sample 7 : VM library

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 2 | 47 | 24.24 | 776.8 | | 44.96 |
| 3 | 359 | 50.67 | 214.1 | | 74.61 |
| 4 | 406 | 132.21 | 493.8 | | 78.21 |
| 5 | 507 | 496.00 | 1,482.5 | | 83.87 |
| 6 | 528 | 150.89 | 432.9 | | 84.90 |
| 7 | 555 | 120.88 | 329.9 | | 86.21 |
| 8 | 565 | 107.09 | 287.3 | | 86.67 |
| 9 | 581 | 90.68 | 236.4 | | 87.47 |
| 10 | 597 | 200.00 | 507.9 | | 88.22 |
| 11 | 642 | 413.34 | 975.5 | | 89.67 |
| 12 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

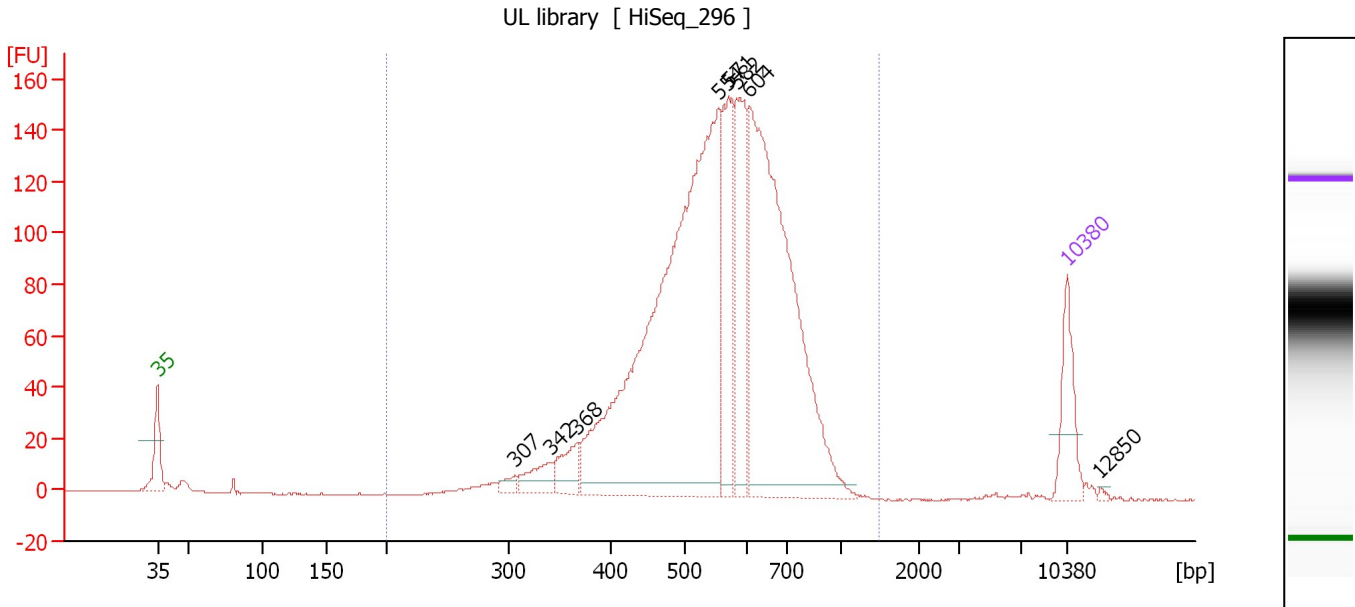
Region table for sample 7 : VM library

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,319 | 561 | 1,195.6 | 5,342.5 | 1,859.56 | 99 | 21.5 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-30\2015-12-30_002.xad

Created: 12/30/2015 11:41:38 AM
 Modified: 1/4/2016 10:01:57 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : UL library

Number of peaks found: 8 Corr. Area 1: 2,129.2
 Noise: 0.2

Peak table for sample 8 : UL library

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 2 | 307 | 15.83 | 78.1 | | 70.54 |
| 3 | 342 | 50.52 | 224.2 | | 73.26 |
| 4 | 368 | 59.02 | 243.3 | | 75.33 |
| 5 | 554 | 1,202.91 | 3,288.1 | | 86.16 |
| 6 | 571 | 216.19 | 573.9 | | 86.96 |
| 7 | 582 | 213.58 | 555.7 | | 87.52 |
| 8 | 604 | 793.15 | 1,988.7 | | 88.51 |
| 9 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 10 | 12,850 | 0.00 | 0.0 | | 115.53 |

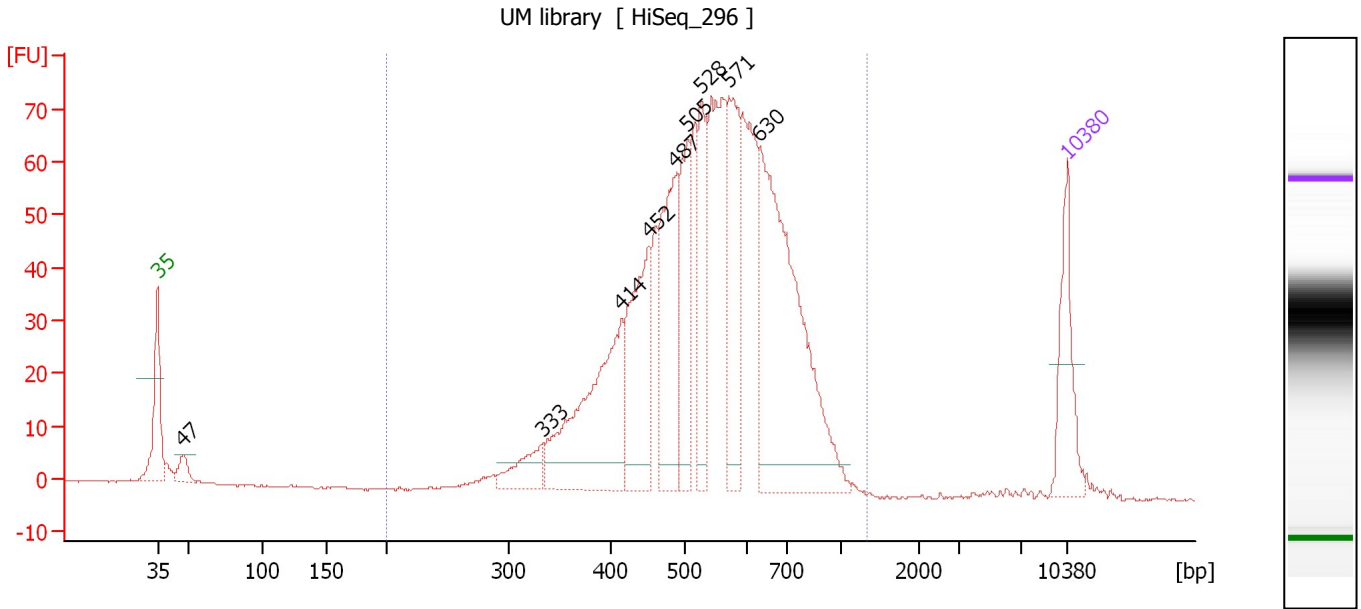
Region table for sample 8 : UL library

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,504 | 564 | 2,129.2 | 7,716.4 | 2,690.70 | 99 | 21.5 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-30\2015-12-30_002.xad

Created: 12/30/2015 11:41:38 AM
 Modified: 1/4/2016 10:01:57 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : UM library

Number of peaks found: 9 Corr. Area 1: 1,173.4
 Noise: 0.2

Peak table for sample 9 : UM library

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 2 | 47 | 26.62 | 851.9 | | 44.98 |
| 3 | 333 | 51.29 | 233.4 | | 72.59 |
| 4 | 414 | 265.03 | 968.8 | | 78.71 |
| 5 | 452 | 181.97 | 610.0 | | 80.82 |
| 6 | 487 | 193.10 | 600.8 | | 82.80 |
| 7 | 505 | 138.13 | 414.2 | | 83.79 |
| 8 | 528 | 114.11 | 327.7 | | 84.87 |
| 9 | 571 | 164.18 | 435.5 | | 86.99 |
| 10 | 630 | 432.99 | 1,041.7 | | 89.29 |
| 11 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

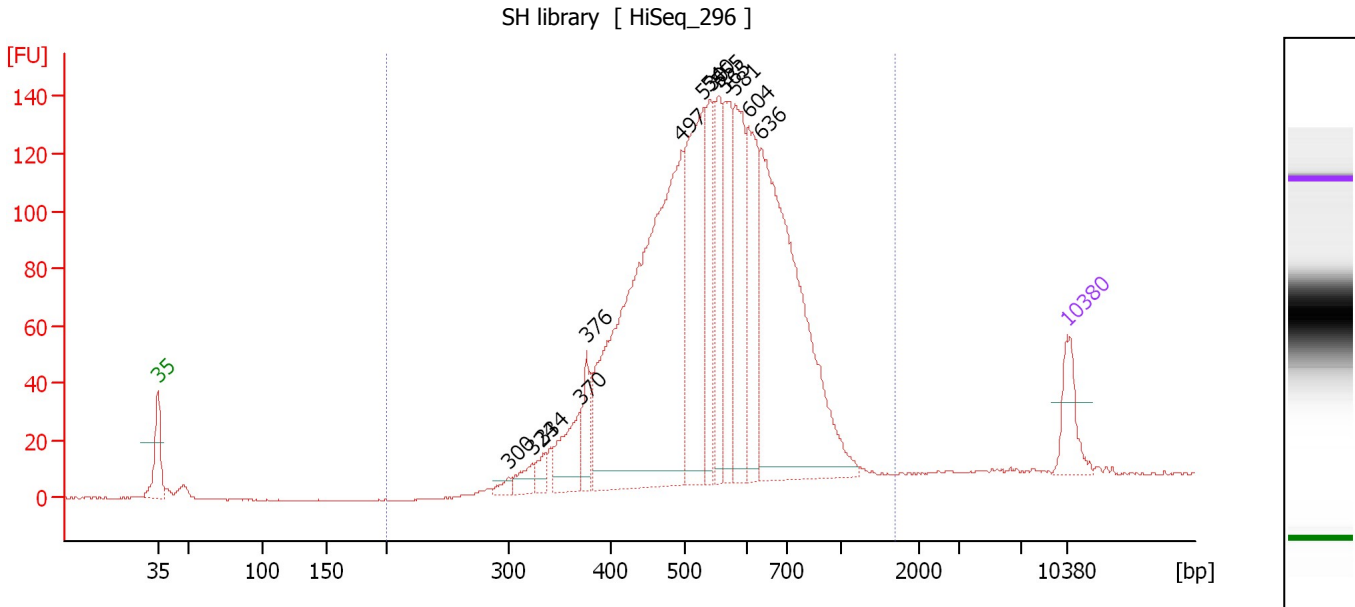
Region table for sample 9 : UM library

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,342 | 552 | 1,173.4 | 6,101.9 | 2,071.51 | 98 | 23.2 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-30\2015-12-30_002.xad

Created: 12/30/2015 11:41:38 AM
 Modified: 1/4/2016 10:01:57 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : SH library

Number of peaks found: 13 Corr. Area 1: 2,185.5
 Noise: 0.2

Peak table for sample 10 : SH library

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 2 | 300 | 22.12 | 111.6 | | 70.01 |
| 3 | 324 | 45.10 | 210.7 | | 71.90 |
| 4 | 334 | 31.71 | 143.7 | | 72.70 |
| 5 | 370 | 132.58 | 542.4 | | 75.54 |
| 6 | 376 | 77.79 | 313.2 | | 76.01 |
| 7 | 497 | 1,347.13 | 4,109.7 | | 83.34 |
| 8 | 530 | 485.44 | 1,387.0 | | 85.00 |
| 9 | 540 | 189.27 | 531.0 | | 85.47 |
| 10 | 555 | 200.65 | 548.1 | | 86.18 |
| 11 | 565 | 209.49 | 561.4 | | 86.70 |
| 12 | 581 | 278.31 | 725.7 | | 87.46 |
| 13 | 604 | 253.83 | 636.8 | | 88.50 |
| 14 | 636 | 889.38 | 2,117.5 | | 89.49 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

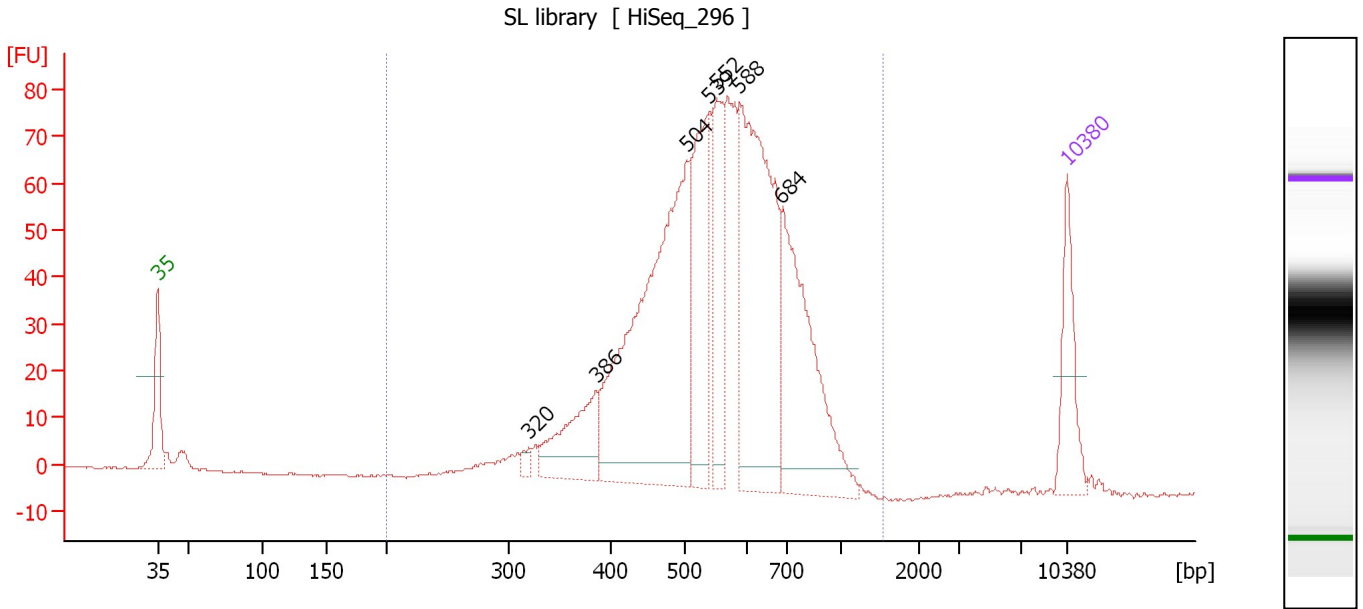
Region table for sample 10 : SH library

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,687 | 564 | 2,185.5 | 12,446.6 | 4,287.10 | 97 | 26.3 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-30\2015-12-30_002.xad

Created: 12/30/2015 11:41:38 AM
 Modified: 1/4/2016 10:01:57 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : SL library

Number of peaks found: 7 Corr. Area 1: 1,222.6
 Noise: 0.2

Peak table for sample 11 : SL library

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 2 | 320 | 12.14 | 57.4 | | 71.59 |
| 3 | 386 | 130.99 | 514.5 | | 76.77 |
| 4 | 504 | 615.35 | 1,848.5 | | 83.75 |
| 5 | 539 | 218.61 | 614.9 | | 85.41 |
| 6 | 552 | 143.40 | 393.3 | | 86.07 |
| 7 | 588 | 433.20 | 1,116.8 | | 87.78 |
| 8 | 684 | 310.74 | 688.0 | | 90.96 |
| 9 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

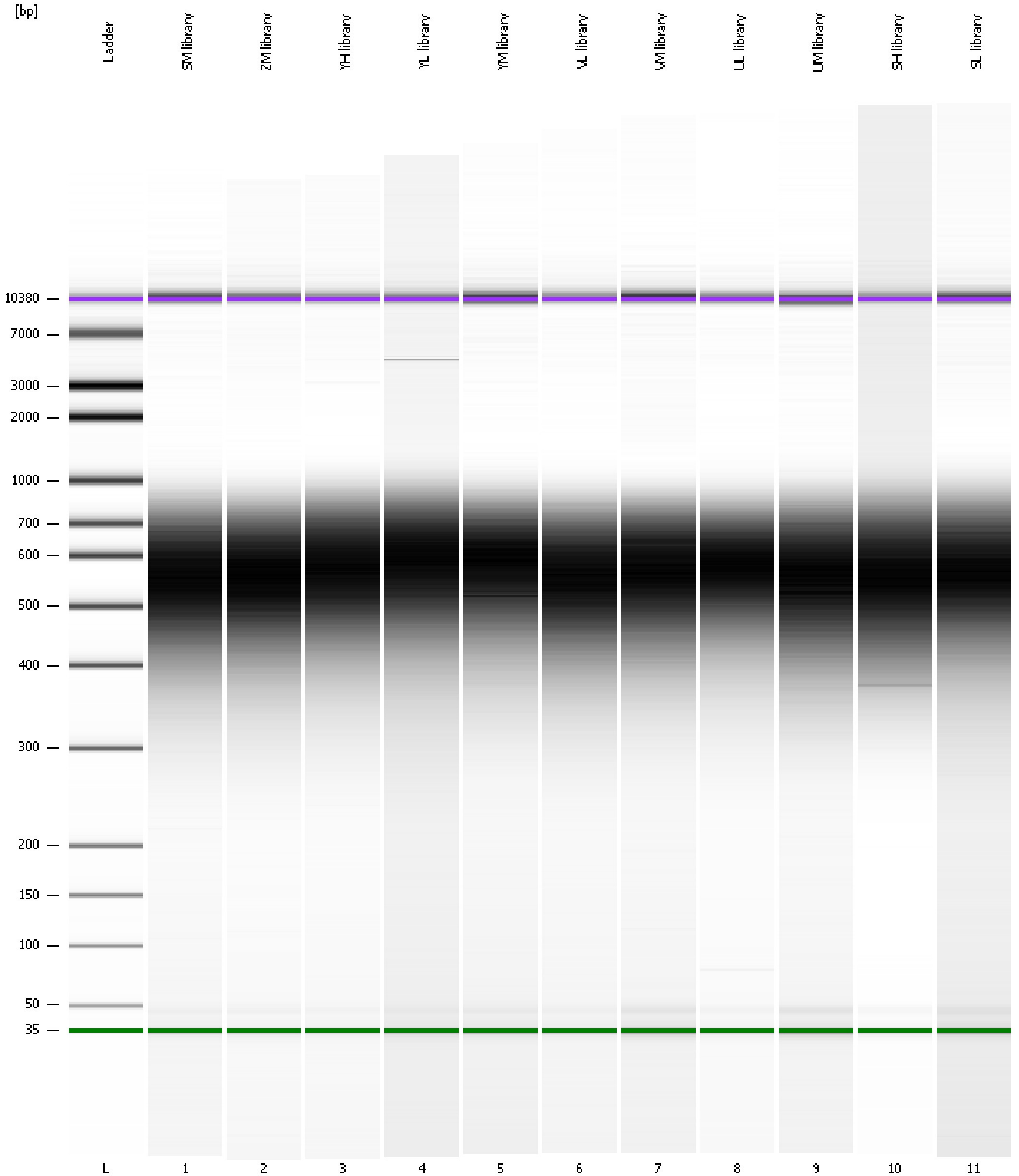
Region table for sample 11 : SL library

| From [bp] | To [bp] | Average Size [bp] | Corr. Area | Molarity [pmol/l] | Co Conc. lor [pg/μl] | % of Total | Size distribution in CV [%] |
|-----------|---------|-------------------|------------|-------------------|----------------------|------------|-----------------------------|
| 200 | 1,537 | 563 | 1,222.6 | 5,943.1 | 2,048.98 | 99 | 23.3 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-30\2015-12-30_002.xad

Created: 12/30/2015 11:41:38 AM
Modified: 1/4/2016 10:01:57 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-12-30\2015-12-30_002.xad

Created: 12/30/2015 11:41:38 AM
 Modified: 1/4/2016 10:01:57 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 | | 12/30/2015 12:22:01 PM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-12-30\2015-12-30_002.xad) | | Instrument | Run | | 12/30/2015 11:41:38 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 12/30/2015 11:41:38 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 12/30/2015 11:41:38 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 12/30/2015 11:41:38 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 12/30/2015 11:41:38 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 12/30/2015 11:41:38 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 12/30/2015 11:41:38 AM | (GMT --08:00) Pacific Standard Time | UC Davis | D8XSMGH1 |