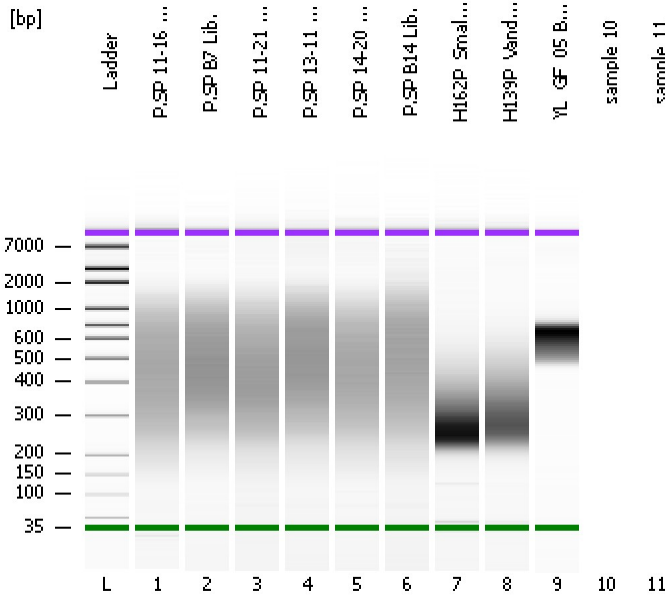


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-13\2015-07-13_002.xad

Created: 7/13/2015 1:50:39 PM
Modified: 7/13/2015 2:26:01 PM

Electrophoresis File Run Summary



Instrument Information:

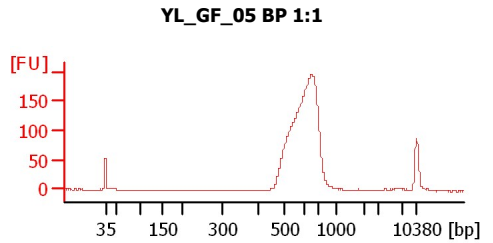
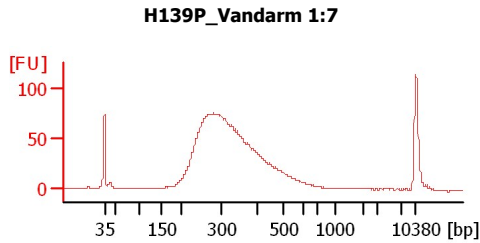
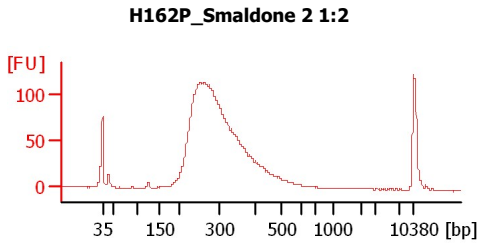
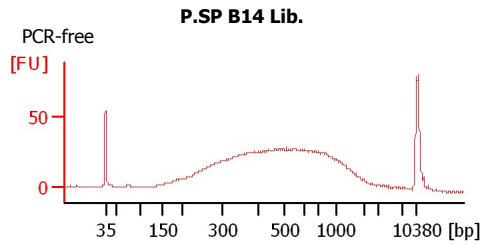
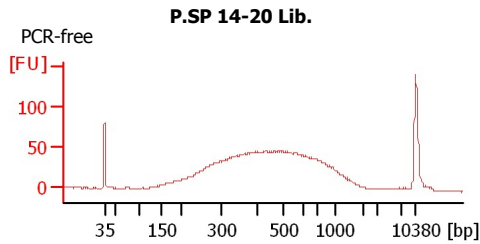
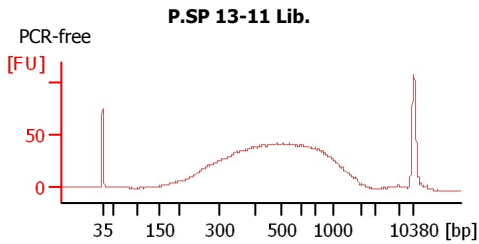
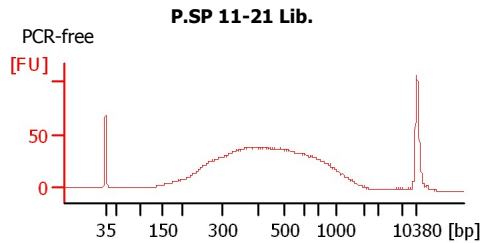
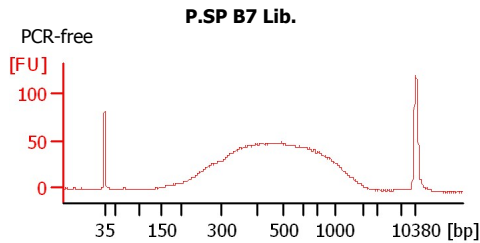
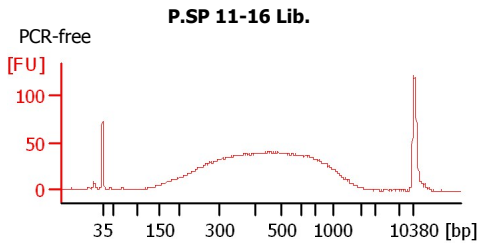
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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\2015-07-13\2015-07-13_002.xad

Created: 7/13/2015 1:50:39 PM
 Modified: 7/13/2015 2:26:01 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|----------------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| P.SP 11-16 Lib. | PCR-free | <input type="checkbox"/> | ✓ | | | |
| P.SP B7 Lib. | PCR-free | <input type="checkbox"/> | ✓ | | | |
| P.SP 11-21 Lib. | PCR-free | <input type="checkbox"/> | ✓ | | | |
| P.SP 13-11 Lib. | PCR-free | <input type="checkbox"/> | ✓ | | | |
| P.SP 14-20 Lib. | PCR-free | <input type="checkbox"/> | ✓ | | | |
| P.SP B14 Lib. | PCR-free | <input type="checkbox"/> | ✓ | | | |
| H162P_Smaldone 2 1:2 | | <input type="checkbox"/> | ✓ | | | |
| H139P_Vandarm 1:7 | | <input type="checkbox"/> | ✓ | | | |
| YL_GF_05 BP 1:1 | | <input type="checkbox"/> | ✓ | | | |
| sample 10 | | <input type="checkbox"/> | | | | |
| sample 11 | | <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\2015-07-13\2015-07-13_002.xad

Created: 7/13/2015 1:50:39 PM
Modified: 7/13/2015 2:26:01 PM

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

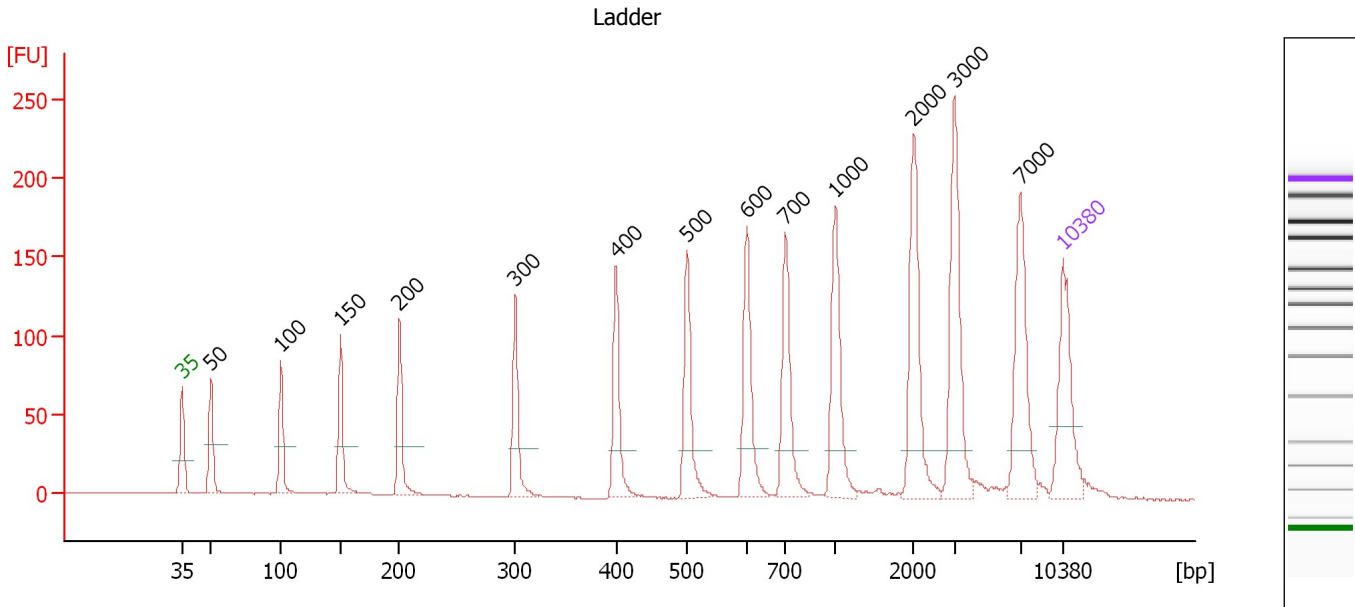
Ladder

| 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\2015-07-13\2015-07-13_002.xad

Created: 7/13/2015 1:50:39 PM
 Modified: 7/13/2015 2:26:01 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

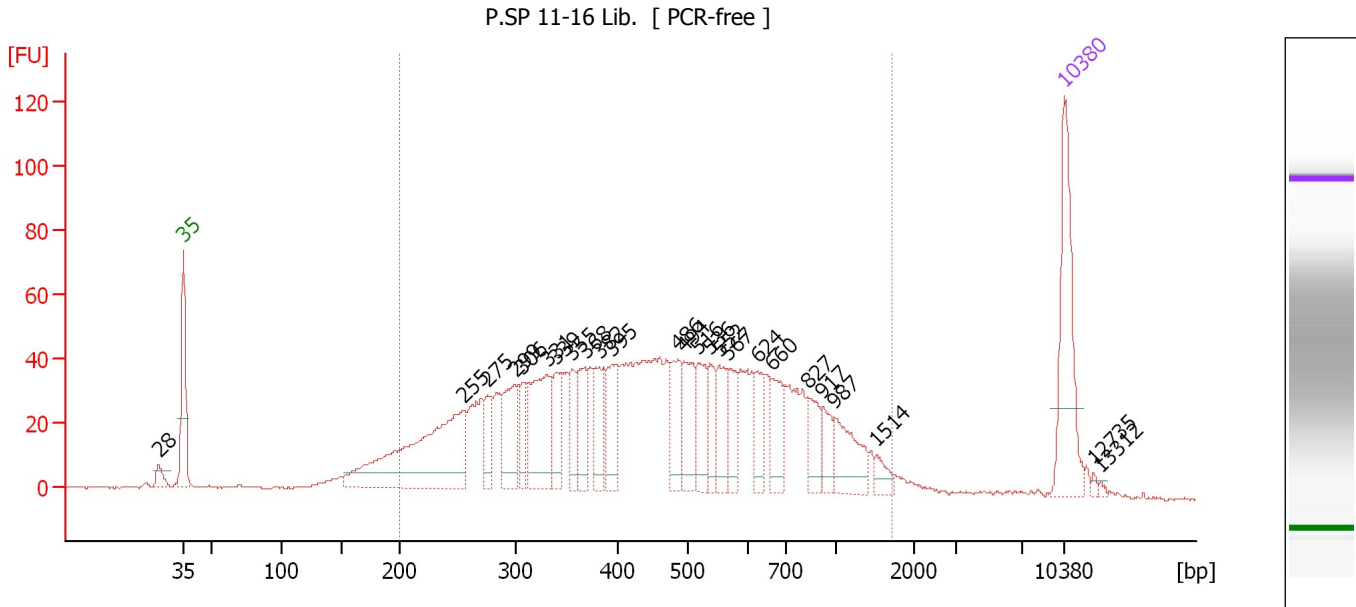
Peak table for Ladder

| 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 | 45.29 |
| 3 | 100 | 150.00 | 2,272.7 | Ladder Peak | 50.84 |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak | 55.60 |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak | 60.27 |
| 6 | 300 | 150.00 | 757.6 | Ladder Peak | 69.48 |
| 7 | 400 | 150.00 | 568.2 | Ladder Peak | 77.49 |
| 8 | 500 | 150.00 | 454.5 | Ladder Peak | 83.13 |
| 9 | 600 | 150.00 | 378.8 | Ladder Peak | 87.89 |
| 10 | 700 | 150.00 | 324.7 | Ladder Peak | 90.93 |
| 11 | 1,000 | 150.00 | 227.3 | Ladder Peak | 94.94 |
| 12 | 2,000 | 150.00 | 113.6 | Ladder Peak | 101.11 |
| 13 | 3,000 | 150.00 | 75.8 | Ladder Peak | 104.37 |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak | 109.61 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-13\2015-07-13_002.xad

Created: 7/13/2015 1:50:39 PM
 Modified: 7/13/2015 2:26:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : P.SP 11-16 Lib.

Number of peaks found: 25 Corr. Area 1: 1,653.2
 Noise: 0.3

Peak table for sample 1 : P.SP 11-16 Lib.

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 28 | 0.00 | 0.0 | | 41.04 |
| 2 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 3 | 255 | 213.84 | 1,270.3 | | 65.34 |
| 4 | 275 | 26.15 | 143.9 | | 67.21 |
| 5 | 299 | 64.14 | 325.4 | | 69.35 |
| 6 | 306 | 27.92 | 138.2 | | 69.97 |
| 7 | 331 | 92.67 | 423.9 | | 71.98 |
| 8 | 339 | 34.80 | 155.5 | | 72.61 |
| 9 | 355 | 27.93 | 119.2 | | 73.90 |
| 10 | 368 | 38.12 | 157.0 | | 74.92 |
| 11 | 382 | 35.26 | 139.9 | | 76.04 |
| 12 | 395 | 45.12 | 173.0 | | 77.11 |
| 13 | 486 | 39.65 | 123.7 | | 82.32 |
| 14 | 494 | 42.74 | 131.0 | | 82.82 |
| 15 | 516 | 39.11 | 114.9 | | 83.89 |
| 16 | 536 | 28.52 | 80.6 | | 84.87 |
| 17 | 552 | 34.54 | 94.8 | | 85.62 |
| 18 | 567 | 28.15 | 75.2 | | 86.34 |
| 19 | 624 | 24.89 | 60.5 | | 88.61 |
| 20 | 660 | 34.86 | 80.0 | | 89.73 |
| 21 | 827 | 27.75 | 50.8 | | 92.62 |
| 22 | 917 | 20.43 | 33.8 | | 93.83 |
| 23 | 987 | 40.91 | 62.8 | | 94.76 |
| 24 | 1,514 | 10.26 | 10.3 | | 98.11 |
| 25 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-13\2015-07-13_002.xad

Created: 7/13/2015 1:50:39 PM
Modified: 7/13/2015 2:26:01 PM

Electropherogram Summary Continued ...**... Peak table for sample 1 : P.SP 11-16 Lib.**

| Peak | Size [bp] | Conc. [pg/ μ l] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------------|-------------------|--------------|----------------------------|
| 26 | 12,735 | 0.00 | 0.0 | | 115.36 |
| 27 | 13,312 | 0.00 | 0.0 | | 115.94 |

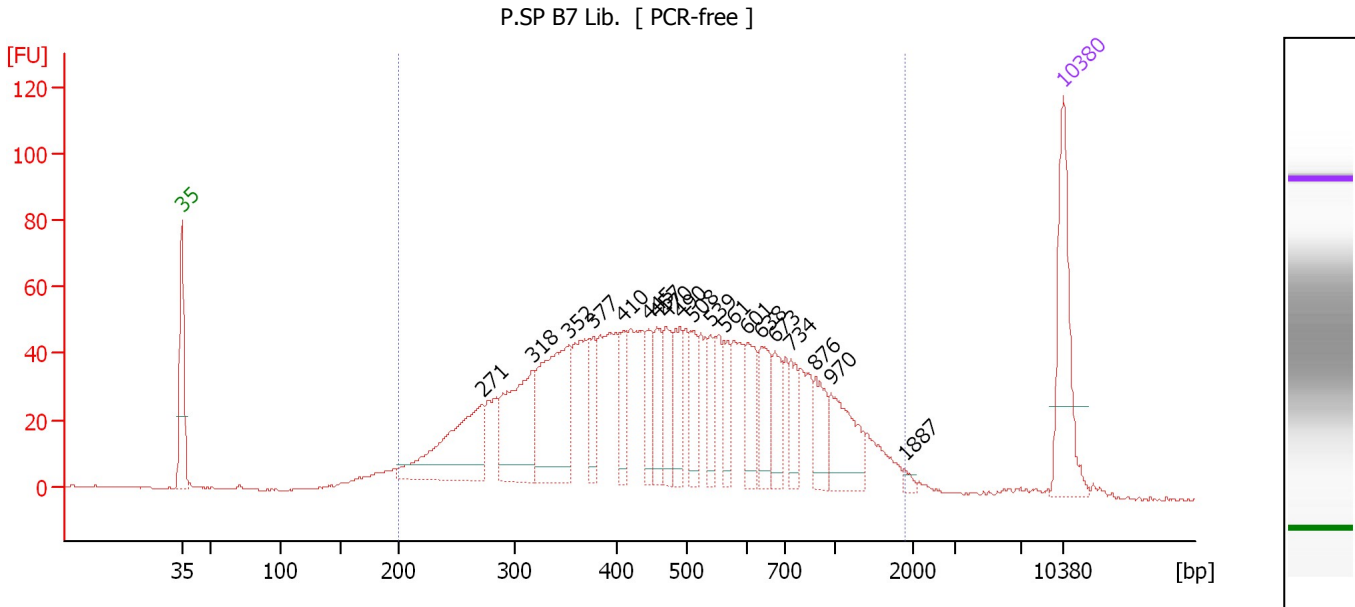
Region table for sample 1 : P.SP 11-16 Lib.

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] | Conc. [pg/ μ l] |
|-----------|-------------------|---------|------------|-------------------|--|-----------------------------|---------------------|
| 200 | 509 | 1,724 | 1,653.2 | 5,678.2 |  91 | 51.1 | 1,453.47 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-13\2015-07-13_002.xad

Created: 7/13/2015 1:50:39 PM
 Modified: 7/13/2015 2:26:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : P.SP B7 Lib.

Number of peaks found: 19 Corr. Area 1: 1,818.7
 Noise: 0.2

Peak table for sample 2 : P.SP B7 Lib.

| 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 | 271 | 137.01 | 765.3 | | 66.83 |
| 3 | 318 | 116.06 | 553.6 | | 70.89 |
| 4 | 352 | 144.95 | 623.9 | | 73.64 |
| 5 | 377 | 32.56 | 130.7 | | 75.68 |
| 6 | 410 | 34.69 | 128.1 | | 78.07 |
| 7 | 445 | 31.80 | 108.2 | | 80.05 |
| 8 | 457 | 39.04 | 129.3 | | 80.73 |
| 9 | 470 | 43.57 | 140.4 | | 81.45 |
| 10 | 490 | 42.85 | 132.4 | | 82.58 |
| 11 | 508 | 36.97 | 110.2 | | 83.53 |
| 12 | 539 | 27.77 | 78.1 | | 84.97 |
| 13 | 561 | 28.09 | 75.8 | | 86.06 |
| 14 | 601 | 40.77 | 102.9 | | 87.91 |
| 15 | 638 | 43.46 | 103.3 | | 89.03 |
| 16 | 673 | 33.06 | 74.4 | | 90.12 |
| 17 | 734 | 27.26 | 56.3 | | 91.38 |
| 18 | 876 | 33.24 | 57.5 | | 93.28 |
| 19 | 970 | 54.72 | 85.4 | | 94.54 |
| 20 | 1,887 | 3.88 | 3.1 | | 100.41 |
| 21 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

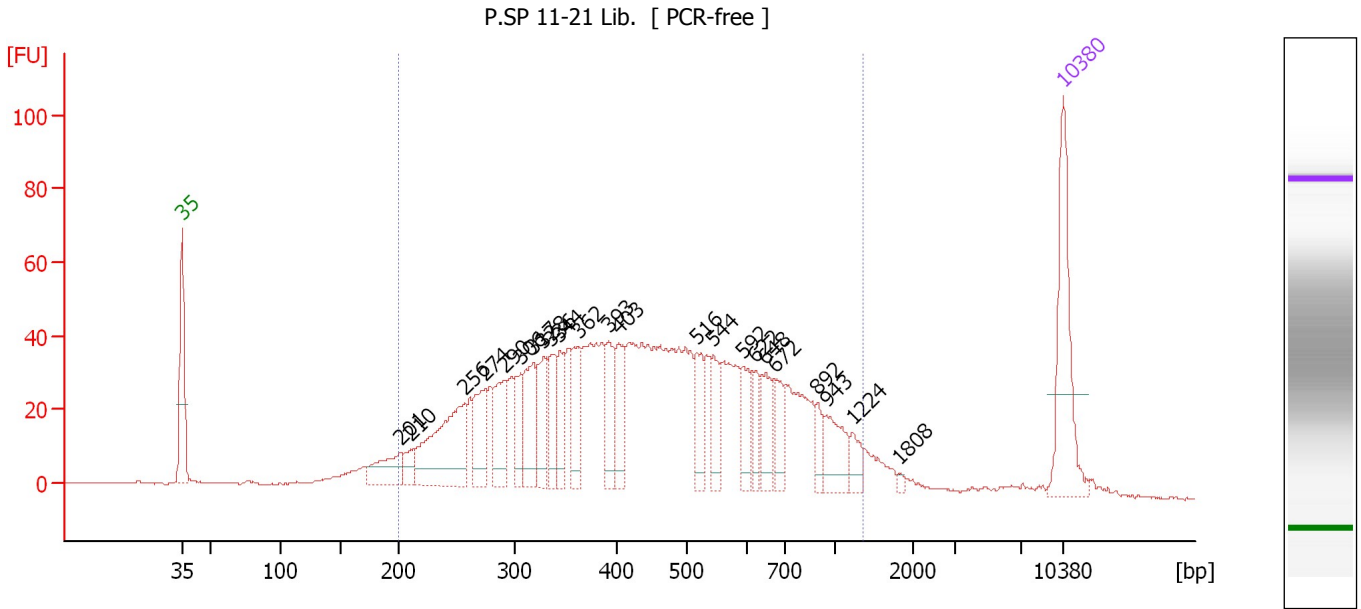
Region table for sample 2 : P.SP B7 Lib.

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 200 | 541 | 1,892 | 1,818.7 | 5,962.5 | 96 | 53.1 | 1,623.08 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-13\2015-07-13_002.xad

Created: 7/13/2015 1:50:39 PM
 Modified: 7/13/2015 2:26:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : P.SP 11-21 Lib.

Number of peaks found: 23 Corr. Area 1: 1,492.8
 Noise: 0.2

Peak table for sample 3 : P.SP 11-21 Lib.

| 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 | 201 | 45.29 | 342.2 | | 60.32 |
| 3 | 210 | 16.77 | 121.1 | | 61.18 |
| 4 | 256 | 128.37 | 758.4 | | 65.47 |
| 5 | 274 | 51.60 | 285.1 | | 67.11 |
| 6 | 290 | 55.15 | 288.0 | | 68.57 |
| 7 | 306 | 33.12 | 164.1 | | 69.93 |
| 8 | 317 | 61.60 | 294.4 | | 70.85 |
| 9 | 328 | 43.37 | 200.4 | | 71.71 |
| 10 | 336 | 39.17 | 176.7 | | 72.35 |
| 11 | 344 | 33.82 | 149.0 | | 72.99 |
| 12 | 362 | 44.22 | 185.1 | | 74.45 |
| 13 | 393 | 42.40 | 163.6 | | 76.91 |
| 14 | 403 | 41.32 | 155.2 | | 77.68 |
| 15 | 516 | 37.32 | 109.6 | | 83.88 |
| 16 | 544 | 30.66 | 85.3 | | 85.25 |
| 17 | 592 | 29.98 | 76.7 | | 87.52 |
| 18 | 622 | 20.83 | 50.7 | | 88.57 |
| 19 | 648 | 32.65 | 76.4 | | 89.35 |
| 20 | 672 | 26.83 | 60.5 | | 90.08 |
| 21 | 892 | 15.23 | 25.9 | | 93.49 |
| 22 | 943 | 36.14 | 58.1 | | 94.18 |
| 23 | 1,224 | 13.45 | 16.6 | | 96.32 |
| 24 | 1,808 | 2.77 | 2.3 | | 99.92 |
| 25 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-13\2015-07-13_002.xad

Created: 7/13/2015 1:50:39 PM
Modified: 7/13/2015 2:26:01 PM

Electropherogram Summary Continued ...

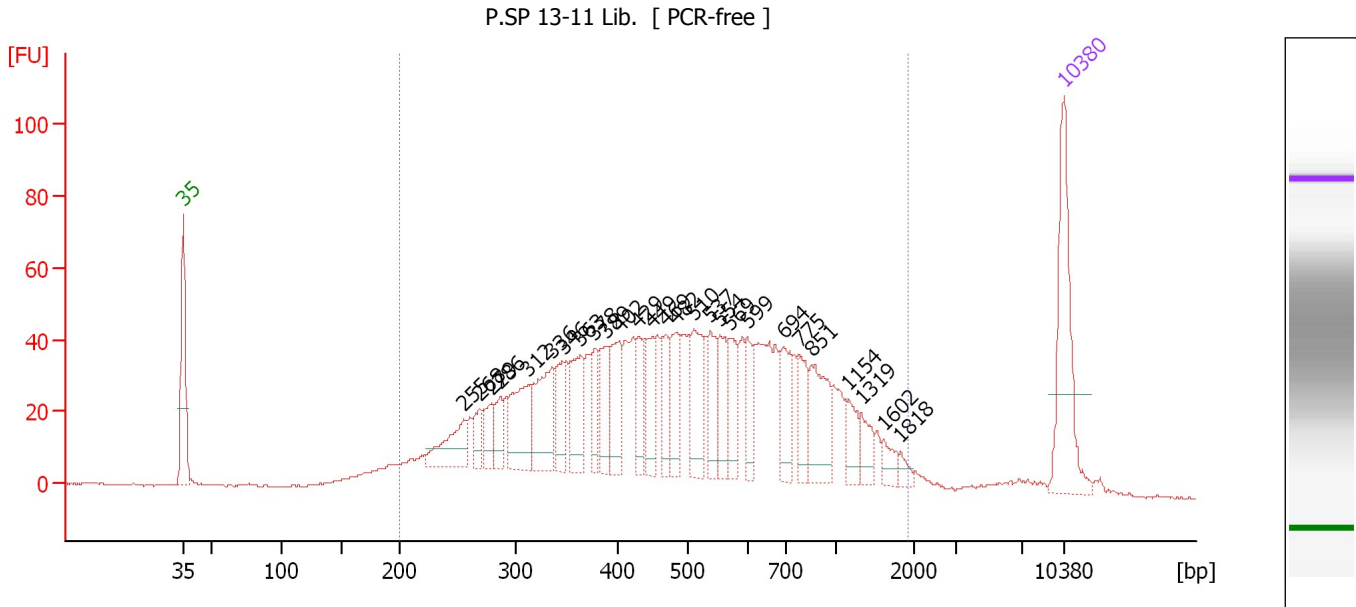
... Region table for sample 3 : P.SP 11-21 Lib.

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 200 | 481 | 1,343 | 1,492.8 | 6,077.2 | 91 | 43.5 | 1,546.68 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-13\2015-07-13_002.xad

Created: 7/13/2015 1:50:39 PM
 Modified: 7/13/2015 2:26:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : P.SP 13-11 Lib.

Number of peaks found: 27 Corr. Area 1: 1,631.0
 Noise: 0.2

Peak table for sample 4 : P.SP 13-11 Lib.

| 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 | 255 | 47.01 | 279.6 | | 65.31 |
| 3 | 268 | 20.20 | 114.1 | | 66.55 |
| 4 | 279 | 26.16 | 142.2 | | 67.51 |
| 5 | 286 | 22.34 | 118.3 | | 68.20 |
| 6 | 312 | 63.75 | 309.9 | | 70.41 |
| 7 | 336 | 72.26 | 326.1 | | 72.34 |
| 8 | 346 | 38.58 | 168.9 | | 73.17 |
| 9 | 363 | 53.46 | 223.0 | | 74.55 |
| 10 | 378 | 27.86 | 111.8 | | 75.70 |
| 11 | 389 | 38.65 | 150.7 | | 76.57 |
| 12 | 402 | 43.18 | 162.5 | | 77.63 |
| 13 | 429 | 28.90 | 102.0 | | 79.15 |
| 14 | 449 | 37.29 | 125.9 | | 80.25 |
| 15 | 469 | 28.62 | 92.6 | | 81.36 |
| 16 | 482 | 41.94 | 131.7 | | 82.14 |
| 17 | 510 | 47.96 | 142.5 | | 83.61 |
| 18 | 537 | 37.19 | 104.9 | | 84.90 |
| 19 | 554 | 31.89 | 87.3 | | 85.68 |
| 20 | 569 | 32.55 | 86.7 | | 86.42 |
| 21 | 599 | 29.11 | 73.6 | | 87.84 |
| 22 | 694 | 36.63 | 80.0 | | 90.74 |
| 23 | 775 | 27.68 | 54.1 | | 91.94 |
| 24 | 851 | 51.44 | 91.6 | | 92.95 |
| 25 | 1,154 | 18.54 | 24.3 | | 95.89 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-13\2015-07-13_002.xad

Created: 7/13/2015 1:50:39 PM
 Modified: 7/13/2015 2:26:01 PM

Electropherogram Summary Continued ...

... Peak table for sample 4 : P.SP 13-11 Lib.

| Peak | Size [bp] | Conc. [pg/ μ l] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------------|-------------------|--------------|----------------------------|
| 26 | 1,319 | 17.55 | 20.2 | | 96.90 |
| 27 | 1,602 | 10.79 | 10.2 | | 98.65 |
| 28 | 1,818 | 6.11 | 5.1 | | 99.98 |
| 29 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

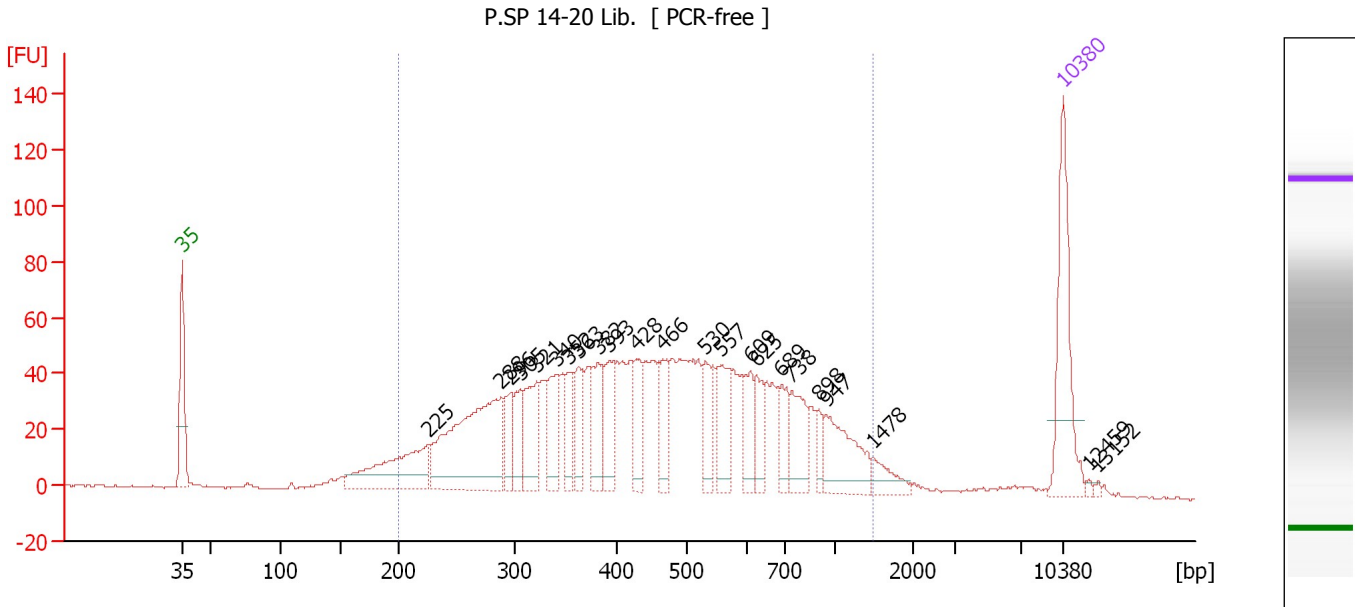
Region table for sample 4 : P.SP 13-11 Lib.

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] | Conc. [pg/ μ l] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------------|
| 200 | 563 | 1,921 | 1,631.0 | 5,654.1 | 94 | 54.9 | 1,566.87 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-13\2015-07-13_002.xad

Created: 7/13/2015 1:50:39 PM
 Modified: 7/13/2015 2:26:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : P.SP 14-20 Lib.

Number of peaks found: 23 Corr. Area 1: 1,768.9
 Noise: 0.2

Peak table for sample 5 : P.SP 14-20 Lib.

| 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 | 225 | 108.65 | 731.9 | | 62.56 |
| 3 | 288 | 207.13 | 1,090.2 | | 68.36 |
| 4 | 296 | 30.34 | 155.3 | | 69.10 |
| 5 | 305 | 35.06 | 174.4 | | 69.84 |
| 6 | 321 | 59.91 | 282.5 | | 71.19 |
| 7 | 340 | 50.99 | 227.0 | | 72.72 |
| 8 | 352 | 35.06 | 150.9 | | 73.64 |
| 9 | 363 | 35.33 | 147.5 | | 74.52 |
| 10 | 382 | 46.37 | 183.9 | | 76.05 |
| 11 | 393 | 53.20 | 205.1 | | 76.93 |
| 12 | 428 | 34.16 | 121.0 | | 79.07 |
| 13 | 466 | 35.33 | 114.9 | | 81.20 |
| 14 | 530 | 36.04 | 103.1 | | 84.54 |
| 15 | 557 | 45.30 | 123.3 | | 85.83 |
| 16 | 609 | 31.53 | 78.5 | | 88.15 |
| 17 | 625 | 27.16 | 65.8 | | 88.66 |
| 18 | 689 | 28.33 | 62.3 | | 90.61 |
| 19 | 738 | 42.60 | 87.4 | | 91.44 |
| 20 | 898 | 13.40 | 22.6 | | 93.58 |
| 21 | 947 | 58.17 | 93.1 | | 94.23 |
| 22 | 1,478 | 16.67 | 17.1 | | 97.89 |
| 23 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 24 | 12,459 | 0.00 | 0.0 | | 115.09 |
| 25 | 13,152 | 0.00 | 0.0 | | 115.78 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-13\2015-07-13_002.xad

Created: 7/13/2015 1:50:39 PM
Modified: 7/13/2015 2:26:01 PM

Electropherogram Summary Continued ...

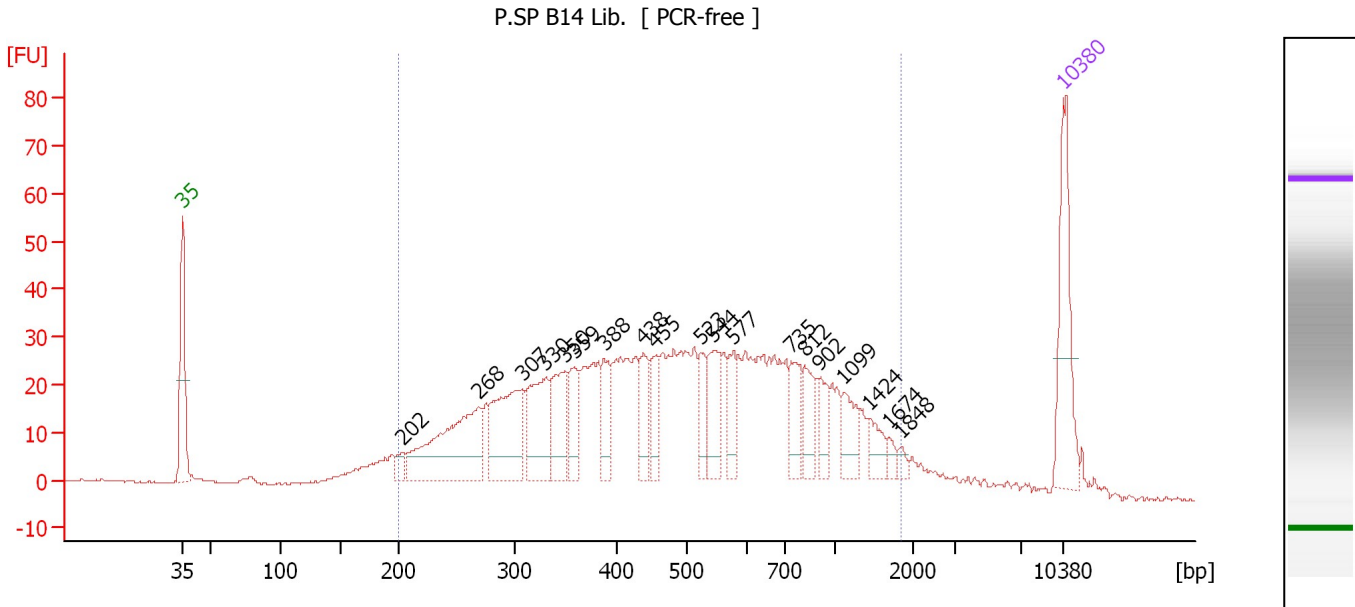
... Region table for sample 5 : P.SP 14-20 Lib.

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 200 | 498 | 1,489 | 1,768.9 | 5,526.4 | ■ 92 | 46.0 | 1,432.23 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-13\2015-07-13_002.xad

Created: 7/13/2015 1:50:39 PM
 Modified: 7/13/2015 2:26:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : P.SP B14 Lib.

Number of peaks found: 19 Corr. Area 1: 1,126.8
 Noise: 0.2

Peak table for sample 6 : P.SP B14 Lib.

| 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 | 202 | 12.61 | 94.6 | | 60.45 |
| 3 | 268 | 165.63 | 935.0 | | 66.57 |
| 4 | 307 | 114.97 | 567.8 | | 70.02 |
| 5 | 330 | 88.15 | 404.6 | | 71.89 |
| 6 | 350 | 64.63 | 279.9 | | 73.47 |
| 7 | 359 | 43.58 | 184.2 | | 74.17 |
| 8 | 388 | 36.45 | 142.4 | | 76.51 |
| 9 | 438 | 38.26 | 132.4 | | 79.63 |
| 10 | 455 | 30.99 | 103.1 | | 80.61 |
| 11 | 523 | 31.44 | 91.2 | | 84.21 |
| 12 | 544 | 49.37 | 137.5 | | 85.23 |
| 13 | 577 | 30.66 | 80.6 | | 86.77 |
| 14 | 735 | 35.78 | 73.8 | | 91.39 |
| 15 | 812 | 31.97 | 59.7 | | 92.42 |
| 16 | 902 | 23.46 | 39.4 | | 93.63 |
| 17 | 1,099 | 29.24 | 40.3 | | 95.55 |
| 18 | 1,424 | 18.60 | 19.8 | | 97.55 |
| 19 | 1,674 | 6.76 | 6.1 | | 99.09 |
| 20 | 1,848 | 5.36 | 4.4 | | 100.17 |
| 21 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

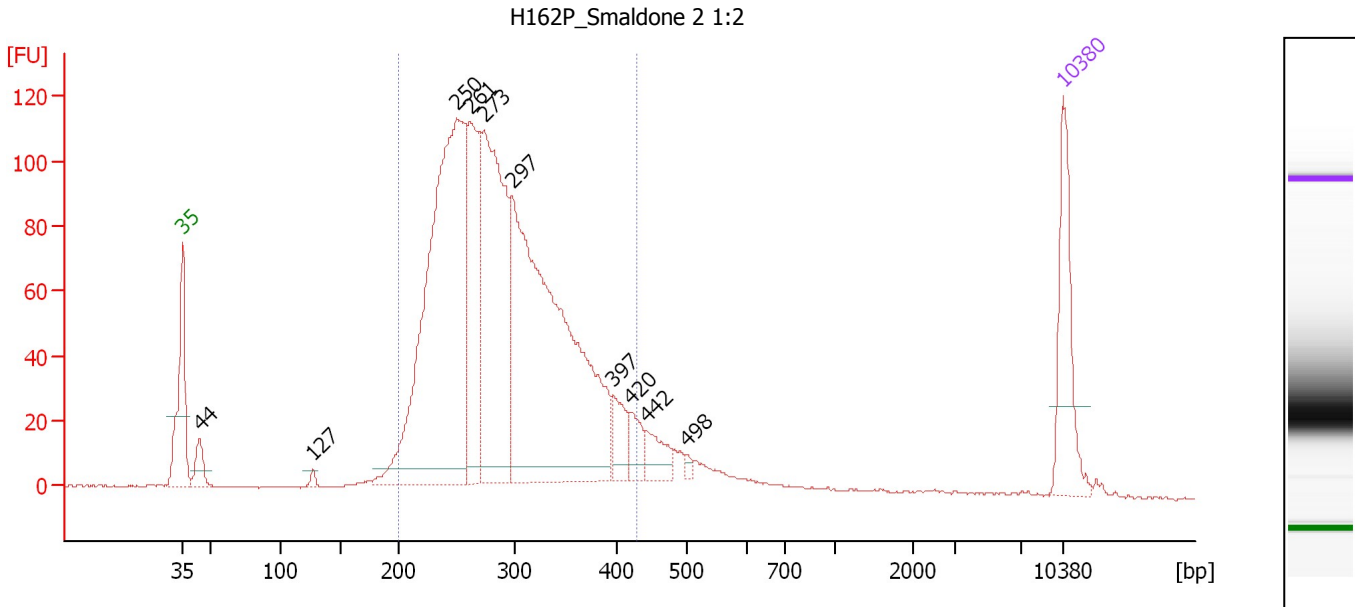
Region table for sample 6 : P.SP B14 Lib.

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 200 | 565 | 1,836 | 1,126.8 | 5,937.0 | 92 | 55.7 | 1,618.68 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-13\2015-07-13_002.xad

Created: 7/13/2015 1:50:39 PM
 Modified: 7/13/2015 2:26:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : H162P Smaldone 2 1:2

Number of peaks found: 10 Corr. Area 1: 1,931.4
 Noise: 0.2

Peak table for sample 7 : H162P Smaldone 2 1:2

| 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 | 44 | 34.02 | 1,172.5 | | 44.37 |
| 3 | 127 | 6.50 | 77.8 | | 53.38 |
| 4 | 250 | 664.54 | 4,033.2 | | 64.84 |
| 5 | 261 | 183.57 | 1,066.0 | | 65.88 |
| 6 | 273 | 358.48 | 1,988.0 | | 67.01 |
| 7 | 297 | 633.59 | 3,229.1 | | 69.23 |
| 8 | 397 | 37.81 | 144.3 | | 77.25 |
| 9 | 420 | 25.04 | 90.4 | | 78.61 |
| 10 | 442 | 30.13 | 103.2 | | 79.89 |
| 11 | 498 | 5.23 | 15.9 | | 83.05 |
| 12 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

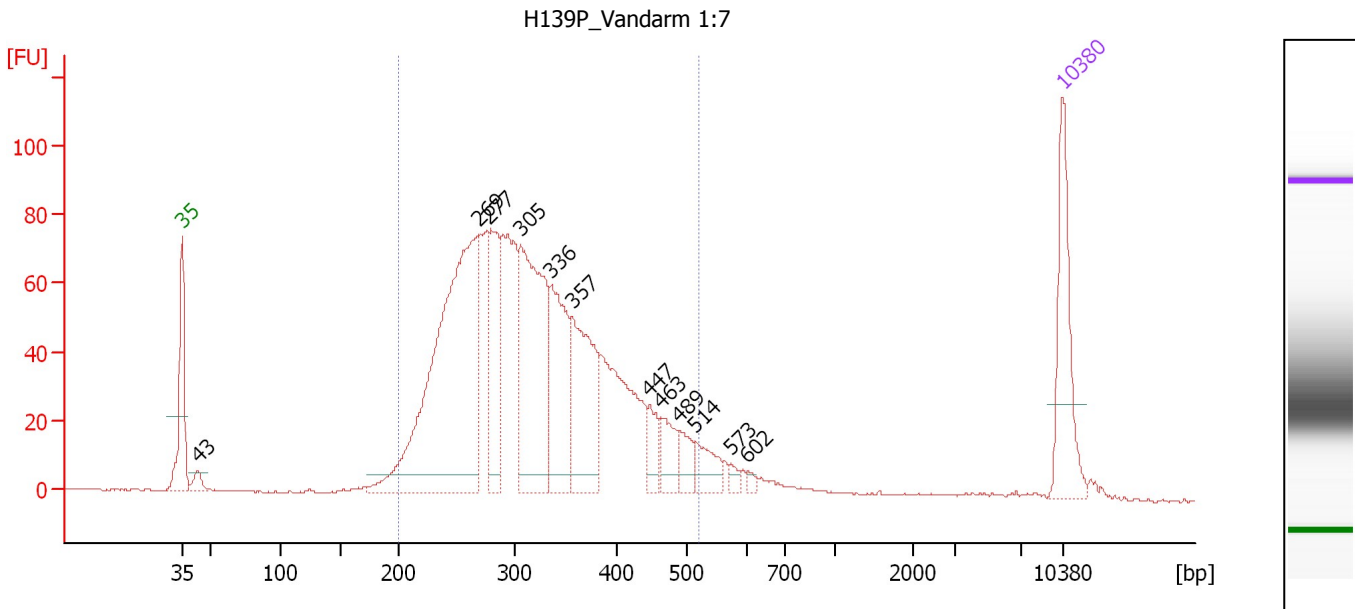
Region table for sample 7 : H162P Smaldone 2 1:2

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 200 | 291 | 429 | 1,931.4 | 10,315.4 | 88 | 17.9 | 1,909.77 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-13\2015-07-13_002.xad

Created: 7/13/2015 1:50:39 PM
 Modified: 7/13/2015 2:26:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : H139P_Vandarm 1:7

Number of peaks found: 12 Corr. Area 1: 1,607.4
 Noise: 0.2

Peak table for sample 8 : H139P_Vandarm 1:7

| 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 | 43 | 14.23 | 500.5 | | 44.23 |
| 3 | 269 | 498.83 | 2,813.7 | | 66.59 |
| 4 | 277 | 117.36 | 641.1 | | 67.39 |
| 5 | 305 | 243.60 | 1,208.6 | | 69.91 |
| 6 | 336 | 132.25 | 597.1 | | 72.33 |
| 7 | 357 | 140.43 | 596.2 | | 74.04 |
| 8 | 447 | 26.50 | 89.8 | | 80.16 |
| 9 | 463 | 33.37 | 109.1 | | 81.06 |
| 10 | 489 | 22.42 | 69.4 | | 82.53 |
| 11 | 514 | 30.64 | 90.3 | | 83.81 |
| 12 | 573 | 6.42 | 17.0 | | 86.61 |
| 13 | 602 | 4.44 | 11.2 | | 87.94 |
| 14 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

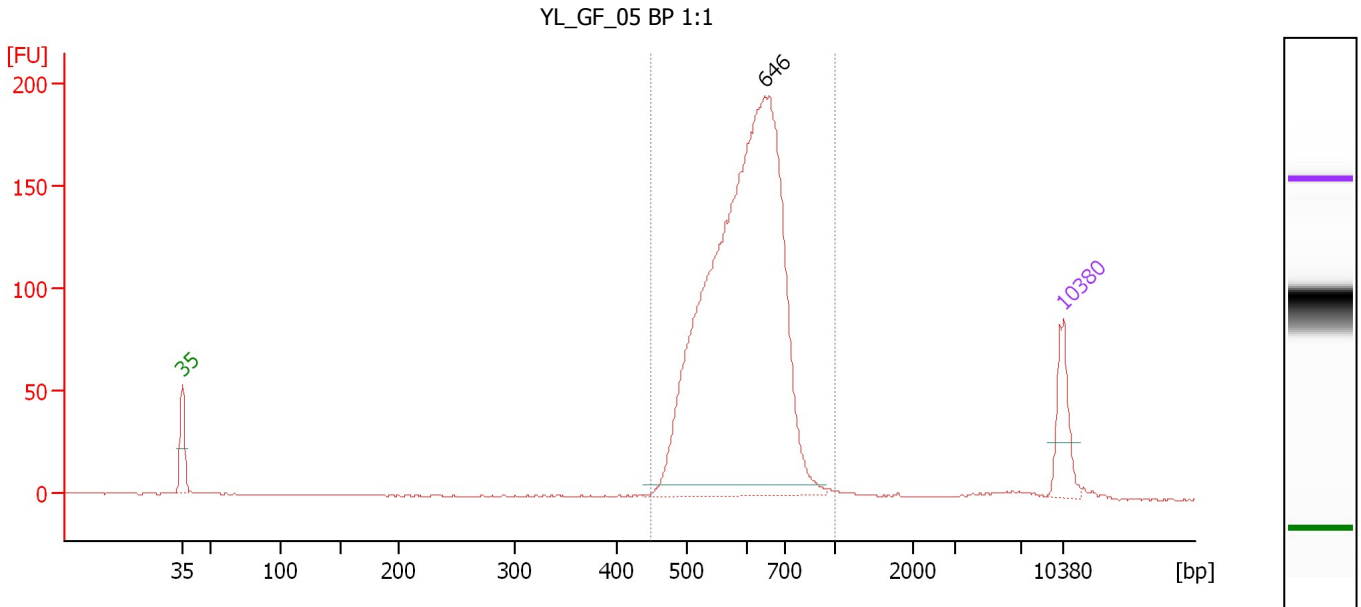
Region table for sample 8 : H139P_Vandarm 1:7

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 200 | 321 | 521 | 1,607.4 | 8,260.2 | 92 | 22.0 | 1,647.81 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-13\2015-07-13_002.xad

Created: 7/13/2015 1:50:39 PM
 Modified: 7/13/2015 2:26:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : YL_GF_05 BP 1:1

Number of peaks found: 1 Corr. Area 1: 1,519.2
 Noise: 0.2

Peak table for sample 9 : YL_GF_05 BP 1:1

| 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 | 646 | 1,728.70 | 4,054.9 | | 89.29 |
| 3 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

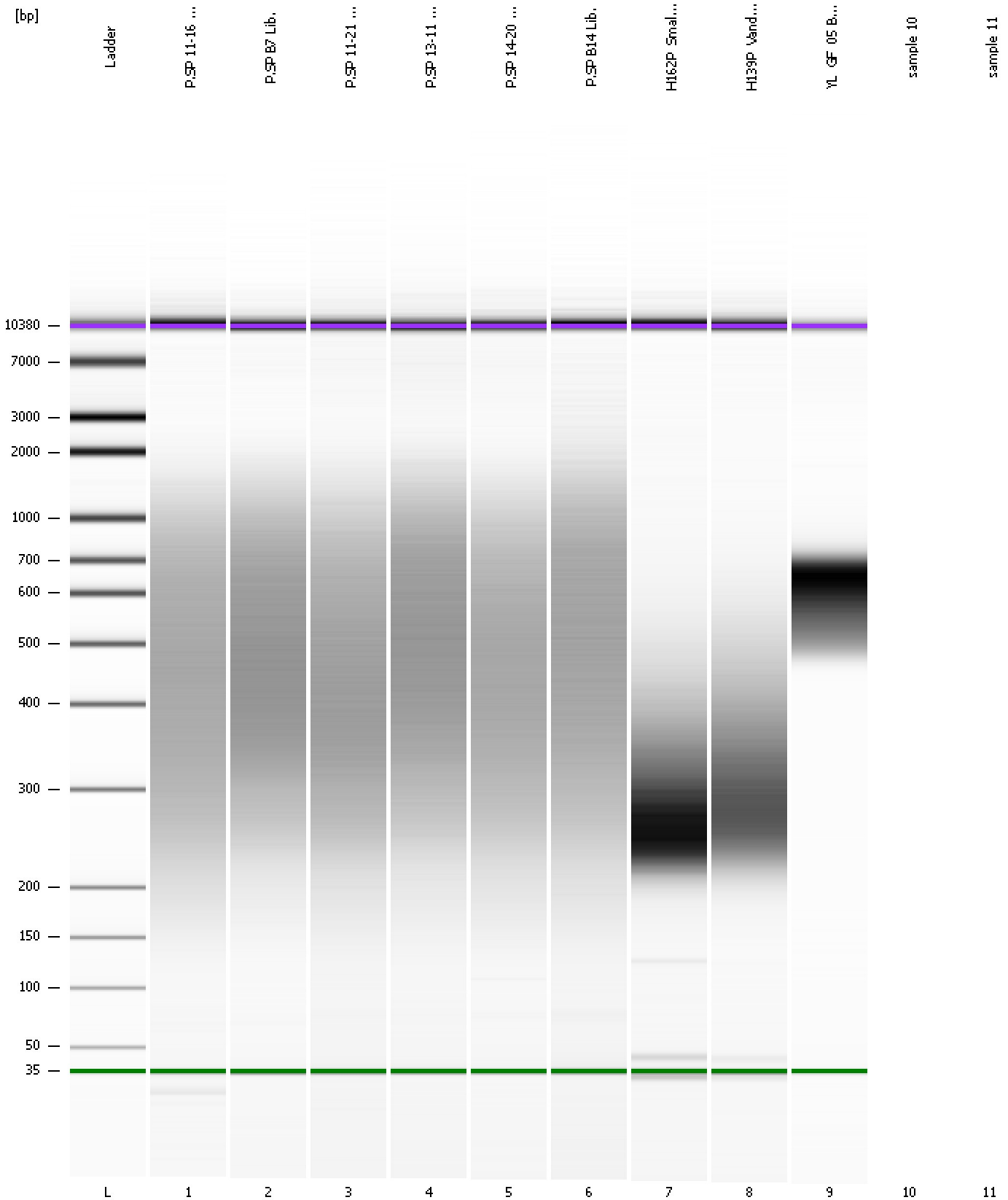
Region table for sample 9 : YL_GF_05 BP 1:1

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of Ior Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 448 | 606 | 1,000 | 1,519.2 | 4,583.6 | 98 | 12.4 | 1,801.14 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-13\2015-07-13_002.xad

Created: 7/13/2015 1:50:39 PM
Modified: 7/13/2015 2:26:01 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-13\2015-07-13_002.xad

Created: 7/13/2015 1:50:39 PM
Modified: 7/13/2015 2:26:01 PM

Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.