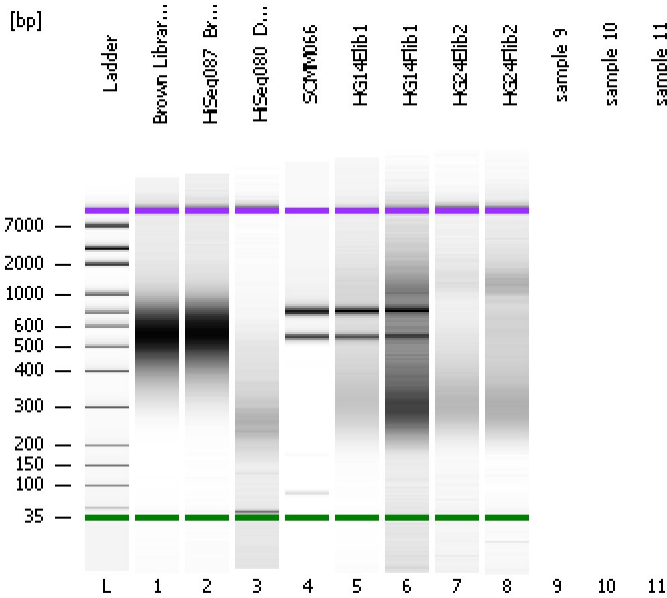


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-10\2015-04-10_001.xad

Created: 4/10/2015 2:19:45 PM
Modified: 4/10/2015 3:01:31 PM

Electrophoresis File Run Summary



Instrument Information:

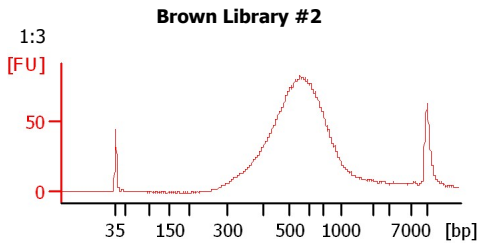
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

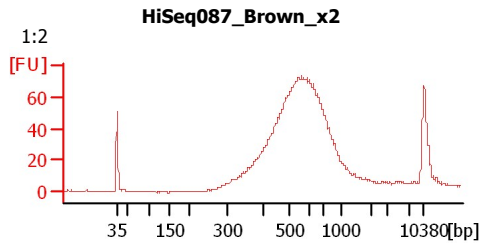
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

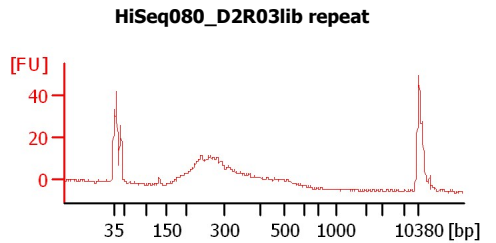
Chip Lot #:
Reagent Kit Lot #:
Chip Comments:



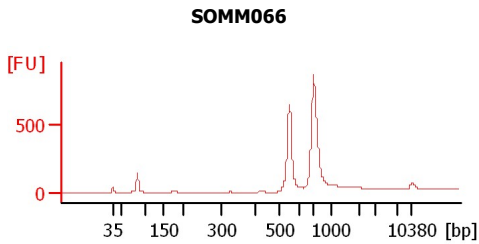
Brown Library #2



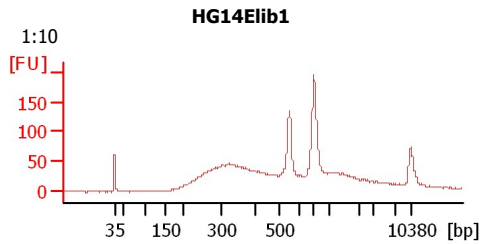
HiSeq087_Brown_x2



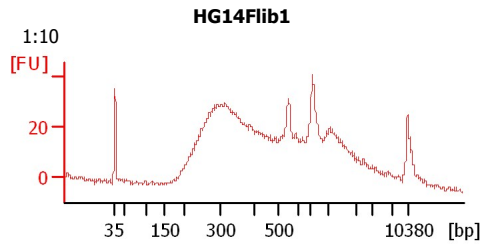
HiSeq080_D2R03lib repeat



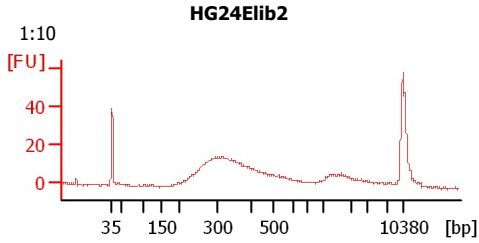
SOMM066



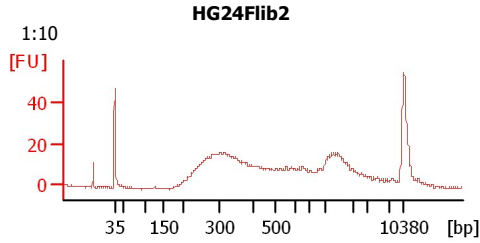
HG14Elib1



HG14Flib1



HG24Elib2



HG24Flib2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-10\2015-04-10_001.xad

Created: 4/10/2015 2:19:45 PM
 Modified: 4/10/2015 3:01:31 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|--------------------------|----------------|--------------------------|--------|-------------|--------------|--------------|
| Brown Library #2 | 1:3 | <input type="checkbox"/> | ✓ | | | |
| HiSeq087_Brown_x2 | 1:2 | <input type="checkbox"/> | ✓ | | | |
| HiSeq080_D2R03lib repeat | | <input type="checkbox"/> | ✓ | | | |
| SOMM066 | | <input type="checkbox"/> | ✓ | | | |
| HG14Elib1 | 1:10 | <input type="checkbox"/> | ✓ | | | |
| HG14Flib1 | 1:10 | <input type="checkbox"/> | ✓ | | | |
| HG24Elib2 | 1:10 | <input type="checkbox"/> | ✓ | | | |
| HG24Flib2 | 1:10 | <input type="checkbox"/> | ✓ | | | |
| sample 9 | | <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\2015-04-10\2015-04-10_001.xad

Created: 4/10/2015 2:19:45 PM
Modified: 4/10/2015 3:01:31 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

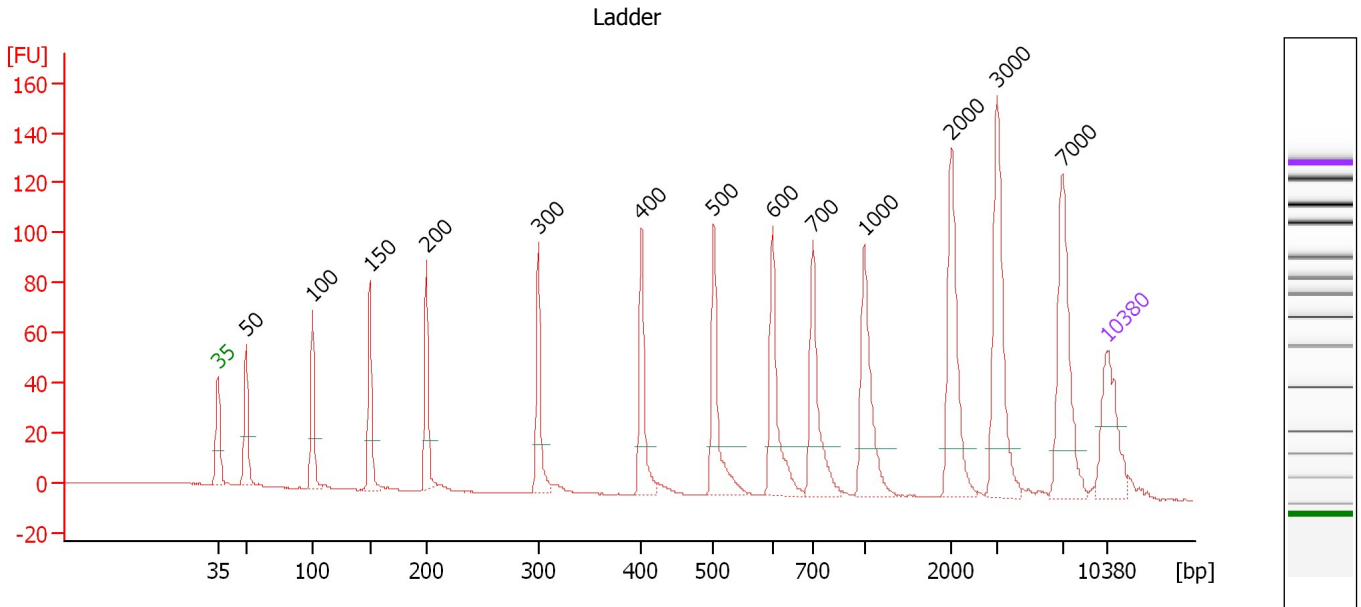
Ladder

| 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\2015-04-10\2015-04-10_001.xad

Created: 4/10/2015 2:19:45 PM
 Modified: 4/10/2015 3:01:31 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

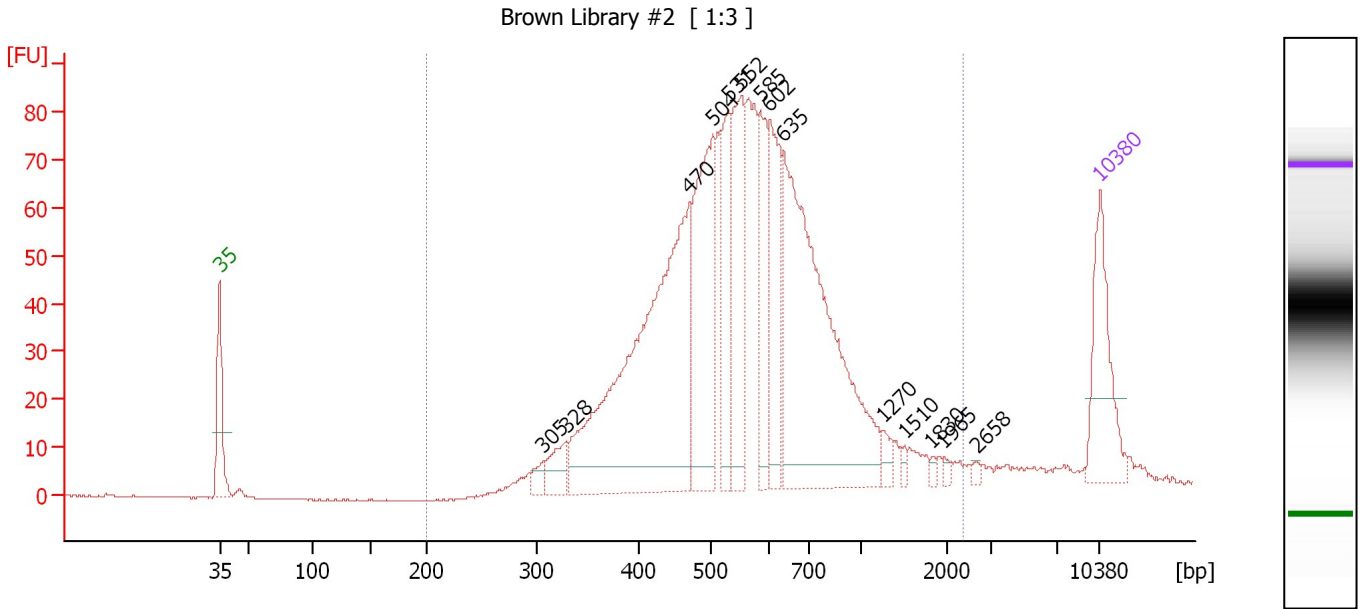
Peak table for Ladder

| 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 | 45.23 |
| 3 | 100 | 150.00 | 2,272.7 | Ladder Peak | 50.44 |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak | 54.97 |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak | 59.43 |
| 6 | 300 | 150.00 | 757.6 | Ladder Peak | 68.25 |
| 7 | 400 | 150.00 | 568.2 | Ladder Peak | 76.36 |
| 8 | 500 | 150.00 | 454.5 | Ladder Peak | 82.08 |
| 9 | 600 | 150.00 | 378.8 | Ladder Peak | 86.70 |
| 10 | 700 | 150.00 | 324.7 | Ladder Peak | 89.89 |
| 11 | 1,000 | 150.00 | 227.3 | Ladder Peak | 93.92 |
| 12 | 2,000 | 150.00 | 113.6 | Ladder Peak | 100.82 |
| 13 | 3,000 | 150.00 | 75.8 | Ladder Peak | 104.39 |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak | 109.55 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-10\2015-04-10_001.xad

Created: 4/10/2015 2:19:45 PM
 Modified: 4/10/2015 3:01:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Brown Library #2

Number of peaks found: 14 Corr. Area 1: 1,483.4
 Noise: 0.2

Peak table for sample 1 : Brown Library #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 | 305 | 13.04 | 64.7 | | 68.69 |
| 3 | 328 | 35.18 | 162.3 | | 70.56 |
| 4 | 470 | 503.40 | 1,623.3 | | 80.35 |
| 5 | 504 | 203.57 | 612.0 | | 82.26 |
| 6 | 531 | 106.51 | 304.1 | | 83.49 |
| 7 | 552 | 127.90 | 351.2 | | 84.47 |
| 8 | 585 | 88.96 | 230.5 | | 85.99 |
| 9 | 602 | 108.81 | 274.0 | | 86.76 |
| 10 | 635 | 405.55 | 967.7 | | 87.82 |
| 11 | 1,270 | 11.17 | 13.3 | | 95.79 |
| 12 | 1,510 | 4.75 | 4.8 | | 97.44 |
| 13 | 1,830 | 3.25 | 2.7 | | 99.64 |
| 14 | 1,965 | 3.60 | 2.8 | | 100.58 |
| 15 | 2,658 | 3.29 | 1.9 | | 103.16 |
| 16 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

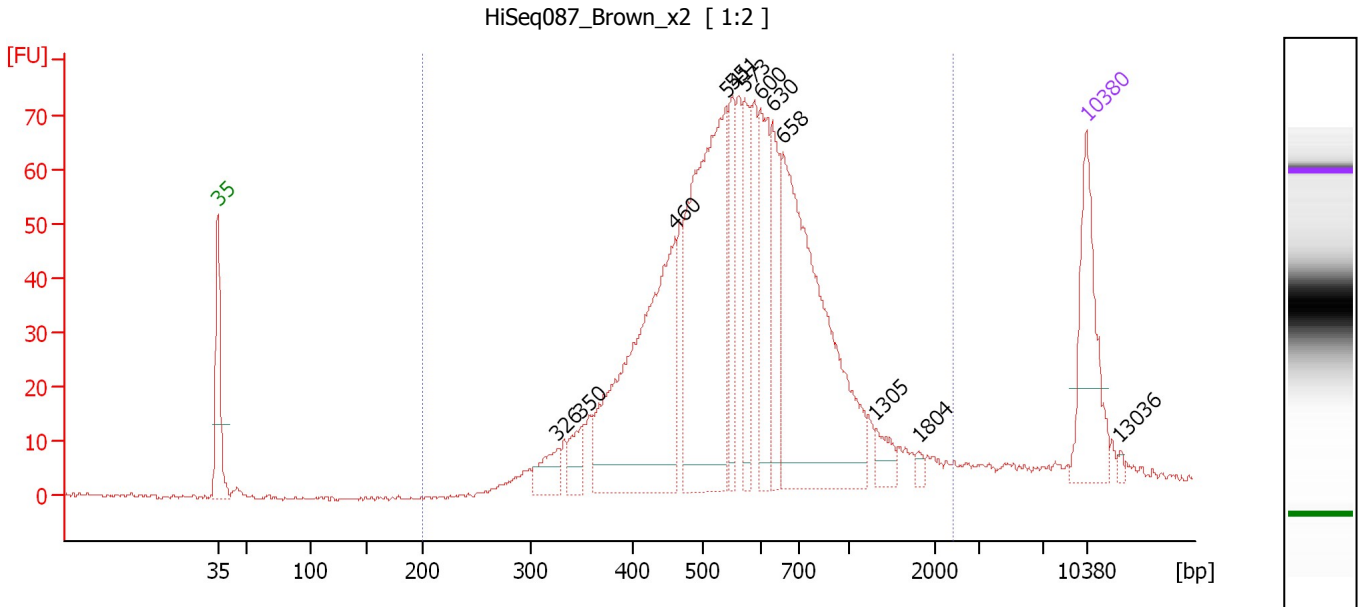
Region table for sample 1 : Brown Library #2

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Color |
|-----------|-------------------|---------|------------|-------------------|------------|-----------------------------|---------------|-------|
| 200 | 605 | 2,350 | 1,483.4 | 5,256.6 | 97 | 43.4 | 1,817.57 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-10\2015-04-10_001.xad

Created: 4/10/2015 2:19:45 PM
 Modified: 4/10/2015 3:01:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : HiSeq087 Brown x2

Number of peaks found: 12 Corr. Area 1: 1,287.5
 Noise: 0.4

Peak table for sample 2 : HiSeq087 Brown x2

| 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 | 31.18 | 144.9 | | 70.37 |
| 3 | 350 | 28.15 | 121.9 | | 72.31 |
| 4 | 460 | 303.07 | 998.5 | | 79.78 |
| 5 | 541 | 325.01 | 910.9 | | 83.95 |
| 6 | 551 | 61.41 | 168.9 | | 84.42 |
| 7 | 573 | 75.86 | 200.5 | | 85.46 |
| 8 | 600 | 93.49 | 236.0 | | 86.70 |
| 9 | 630 | 69.56 | 167.4 | | 87.65 |
| 10 | 658 | 321.99 | 741.4 | | 88.55 |
| 11 | 1,305 | 15.68 | 18.2 | | 96.03 |
| 12 | 1,804 | 4.19 | 3.5 | | 99.46 |
| 13 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 14 | 13,036 | 0.00 | 0.0 | | 115.71 |

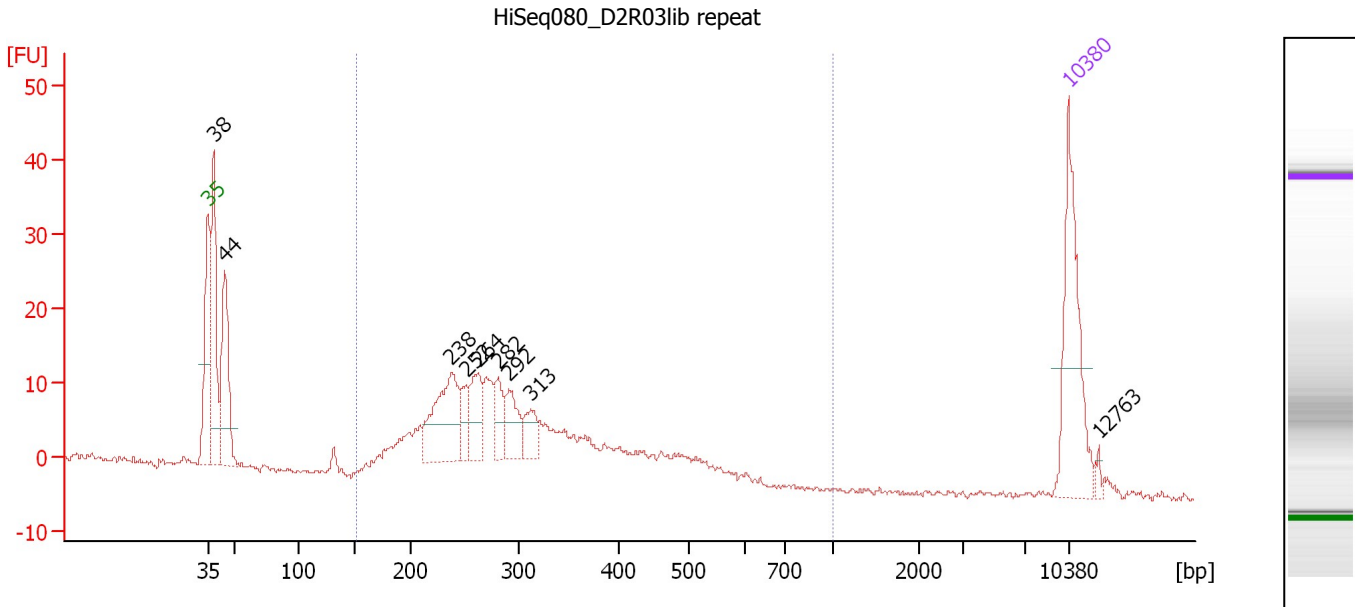
Region table for sample 2 : HiSeq087 Brown x2

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Color |
|-----------|-------------------|---------|------------|-------------------|------------|-----------------------------|---------------|-------|
| 200 | 616 | 2,394 | 1,287.5 | 4,255.9 | 97 | 42.5 | 1,500.57 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-10\2015-04-10_001.xad

Created: 4/10/2015 2:19:45 PM
 Modified: 4/10/2015 3:01:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : HiSeq080_D2R03lib repeat

Number of peaks found: 9 Corr. Area 1: 262.9
 Noise: 0.4

Peak table for sample 3 : HiSeq080_D2R03lib repeat

| 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 | 38 | 132.21 | 5,242.2 | | 43.48 |
| 3 | 44 | 107.28 | 3,665.3 | | 44.39 |
| 4 | 238 | 90.10 | 572.5 | | 62.82 |
| 5 | 252 | 22.69 | 136.3 | | 64.03 |
| 6 | 264 | 38.54 | 221.6 | | 65.03 |
| 7 | 282 | 23.88 | 128.4 | | 66.64 |
| 8 | 292 | 31.88 | 165.7 | | 67.50 |
| 9 | 313 | 22.07 | 106.9 | | 69.28 |
| 10 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 11 | 12,763 | 0.00 | 0.0 | | 115.43 |

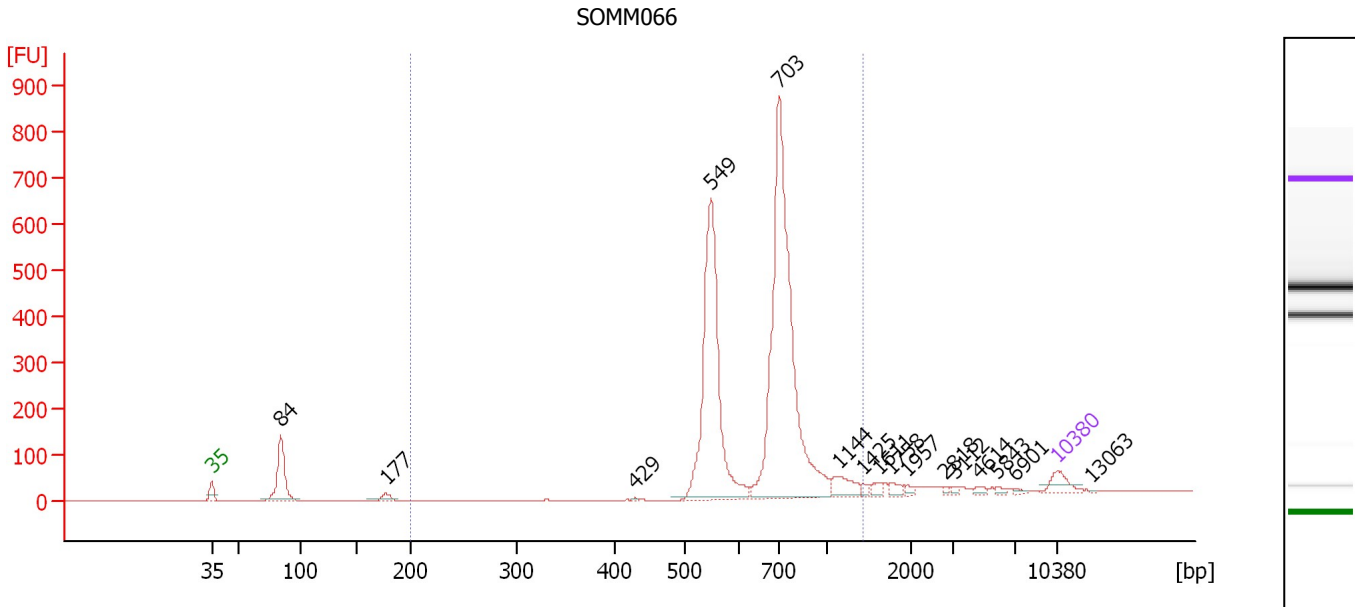
Region table for sample 3 : HiSeq080_D2R03lib repeat

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Color |
|-----------|-------------------|---------|------------|-------------------|------------|-----------------------------|---------------|-------|
| 150 | 310 | 1,000 | 262.9 | 2,728.4 | 72 | 29.1 | 503.18 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-10\2015-04-10_001.xad

Created: 4/10/2015 2:19:45 PM
 Modified: 4/10/2015 3:01:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : SOMM066

Number of peaks found: 16 Corr. Area 1: 2,909.6
 Noise: 0.3

Peak table for sample 4 : SOMM066

| 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 | 84 | 444.87 | 8,057.1 | | 48.73 |
| 3 | 177 | 49.27 | 420.6 | | 57.42 |
| 4 | 429 | 6.17 | 21.8 | | 78.02 |
| 5 | 549 | 1,557.35 | 4,299.8 | | 84.33 |
| 6 | 703 | 2,371.73 | 5,111.6 | | 89.93 |
| 7 | 1,144 | 121.58 | 161.1 | | 94.92 |
| 8 | 1,425 | 21.12 | 22.5 | | 96.86 |
| 9 | 1,611 | 34.79 | 32.7 | | 98.14 |
| 10 | 1,758 | 35.69 | 30.8 | | 99.15 |
| 11 | 1,957 | 20.07 | 15.5 | | 100.52 |
| 12 | 2,818 | 10.74 | 5.8 | | 103.74 |
| 13 | 3,112 | 11.46 | 5.6 | | 104.53 |
| 14 | 4,614 | 17.65 | 5.8 | | 106.47 |
| 15 | 5,843 | 12.74 | 3.3 | | 108.06 |
| 16 | 6,901 | 10.39 | 2.3 | | 109.43 |
| 17 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 18 | 13,063 | 0.00 | 0.0 | | 115.73 |

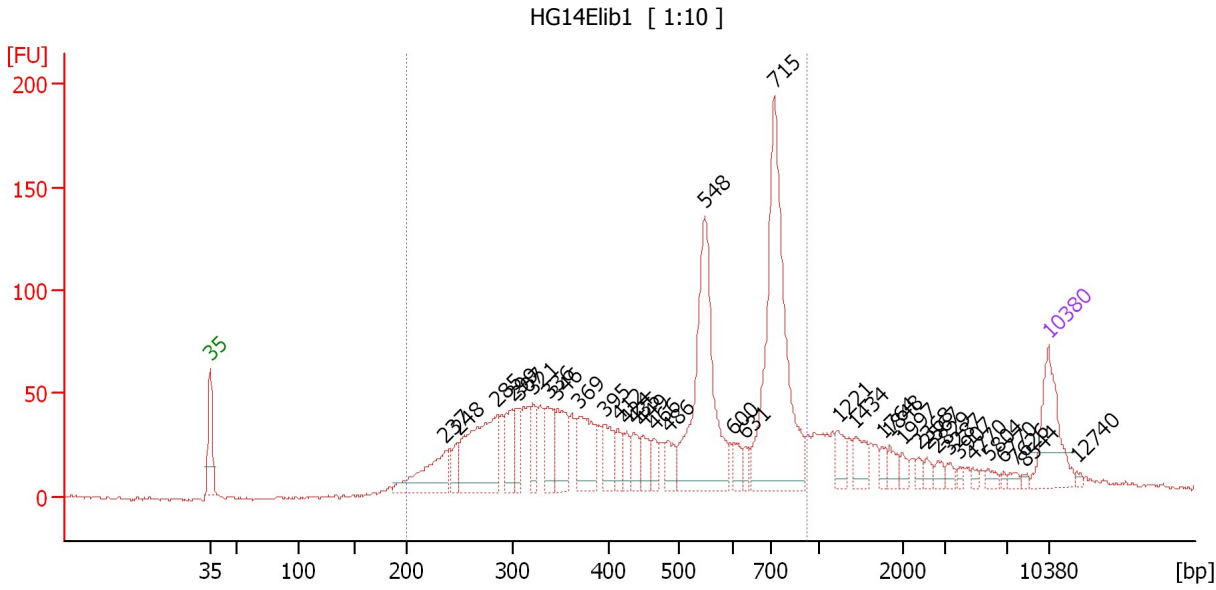
Region table for sample 4 : SOMM066

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Color |
|-----------|-------------------|---------|------------|-------------------|------------|-----------------------------|---------------|-------|
| 200 | 689 | 1,441 | 2,909.6 | 8,677.5 | 89 | 21.1 | 3,772.54 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-10\2015-04-10_001.xad

Created: 4/10/2015 2:19:45 PM
 Modified: 4/10/2015 3:01:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : HG14Elib1

Number of peaks found: 36 Corr. Area 1: 1,691.3
 Noise: 0.6

Peak table for sample 5 : HG14Elib1

| 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 | 237 | 108.14 | 692.8 | | 62.65 |
| 3 | 248 | 26.91 | 164.3 | | 63.67 |
| 4 | 285 | 201.20 | 1,067.8 | | 66.97 |
| 5 | 299 | 56.53 | 286.3 | | 68.18 |
| 6 | 307 | 41.66 | 205.8 | | 68.80 |
| 7 | 321 | 41.62 | 196.5 | | 69.96 |
| 8 | 336 | 56.84 | 256.0 | | 71.20 |
| 9 | 346 | 74.91 | 327.7 | | 72.01 |
| 10 | 369 | 93.98 | 386.1 | | 73.83 |
| 11 | 395 | 47.67 | 183.0 | | 75.93 |
| 12 | 412 | 29.08 | 107.0 | | 77.04 |
| 13 | 424 | 22.37 | 79.8 | | 77.75 |
| 14 | 435 | 30.05 | 104.6 | | 78.38 |
| 15 | 449 | 29.92 | 101.1 | | 79.14 |
| 16 | 466 | 20.67 | 67.2 | | 80.12 |
| 17 | 486 | 27.36 | 85.3 | | 81.27 |
| 18 | 548 | 287.98 | 795.9 | | 84.30 |
| 19 | 600 | 20.14 | 50.8 | | 86.71 |
| 20 | 631 | 13.68 | 32.8 | | 87.69 |
| 21 | 715 | 378.07 | 800.8 | | 90.10 |
| 22 | 1,221 | 23.04 | 28.6 | | 95.44 |
| 23 | 1,434 | 28.20 | 29.8 | | 96.91 |
| 24 | 1,764 | 10.25 | 8.8 | | 99.19 |
| 25 | 1,848 | 15.70 | 12.9 | | 99.77 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-10\2015-04-10_001.xad


Created: 4/10/2015 2:19:45 PM
 Modified: 4/10/2015 3:01:31 PM

Electropherogram Summary Continued ...

... Peak table for sample 5 : HG14Elib1

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 26 | 1,997 | 8.82 | 6.7 | | 100.79 |
| 27 | 2,368 | 7.92 | 5.1 | | 102.13 |
| 28 | 2,567 | 8.21 | 4.8 | | 102.84 |
| 29 | 2,829 | 8.87 | 4.7 | | 103.78 |
| 30 | 3,287 | 7.62 | 3.5 | | 104.76 |
| 31 | 3,907 | 4.42 | 1.7 | | 105.56 |
| 32 | 4,770 | 4.55 | 1.4 | | 106.67 |
| 33 | 5,804 | 7.36 | 1.9 | | 108.01 |
| 34 | 6,770 | 3.10 | 0.7 | | 109.26 |
| 35 | 7,626 | 5.52 | 1.1 | | 110.19 |
| 36 | 8,544 | 3.39 | 0.6 | | 111.13 |
| 37 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 38 | 12,740 | 0.00 | 0.0 | | 115.41 |

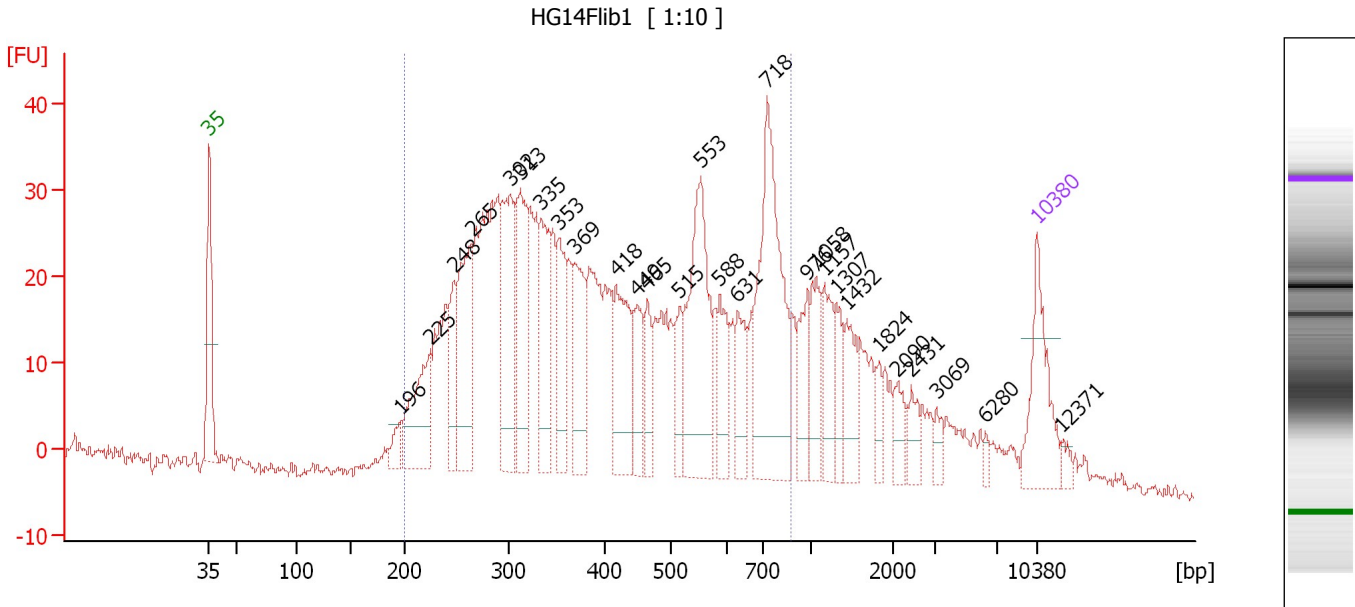
Region table for sample 5 : HG14Elib1

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Color |
|-----------|-------------------|---------|------------|-------------------|------------|-----------------------------|---------------|---|
| 200 | 493 | 918 | 1,691.3 | 7,003.5 | 83 | 36.8 | 1,834.64 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-10\2015-04-10_001.xad

Created: 4/10/2015 2:19:45 PM
 Modified: 4/10/2015 3:01:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : HG14Flib1

Number of peaks found: 28 Corr. Area 1: 954.5
 Noise: 0.8

Peak table for sample 6 : HG14Flib1

| 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 | 196 | 25.78 | 199.0 | | 59.10 |
| 3 | 225 | 126.17 | 849.9 | | 61.63 |
| 4 | 248 | 71.18 | 434.1 | | 63.70 |
| 5 | 265 | 160.07 | 914.2 | | 65.19 |
| 6 | 302 | 150.68 | 755.2 | | 68.44 |
| 7 | 313 | 152.90 | 740.5 | | 69.30 |
| 8 | 335 | 110.52 | 499.7 | | 71.10 |
| 9 | 353 | 96.30 | 413.4 | | 72.54 |
| 10 | 369 | 96.62 | 396.7 | | 73.85 |
| 11 | 418 | 110.58 | 400.4 | | 77.41 |
| 12 | 449 | 61.54 | 207.6 | | 79.17 |
| 13 | 465 | 42.99 | 140.1 | | 80.07 |
| 14 | 515 | 40.41 | 118.8 | | 82.78 |
| 15 | 553 | 199.70 | 546.8 | | 84.54 |
| 16 | 588 | 57.26 | 147.4 | | 86.16 |
| 17 | 631 | 53.30 | 127.9 | | 87.70 |
| 18 | 718 | 254.44 | 536.9 | | 90.13 |
| 19 | 976 | 49.54 | 76.9 | | 93.61 |
| 20 | 1,058 | 52.24 | 74.8 | | 94.33 |
| 21 | 1,157 | 57.25 | 75.0 | | 95.00 |
| 22 | 1,307 | 27.41 | 31.8 | | 96.04 |
| 23 | 1,432 | 46.17 | 48.9 | | 96.90 |
| 24 | 1,824 | 17.13 | 14.2 | | 99.60 |
| 25 | 2,090 | 21.64 | 15.7 | | 101.14 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-10\2015-04-10_001.xad


Created: 4/10/2015 2:19:45 PM
 Modified: 4/10/2015 3:01:31 PM

Electropherogram Summary Continued ...

... Peak table for sample 6 : HG14Flib1

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 26 | 2,431 | 19.15 | 11.9 | | 102.36 |
| 27 | 3,069 | 12.69 | 6.3 | | 104.48 |
| 28 | 6,280 | 6.18 | 1.5 | | 108.63 |
| 29 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 30 | 12,371 | 0.00 | 0.0 | | 115.03 |

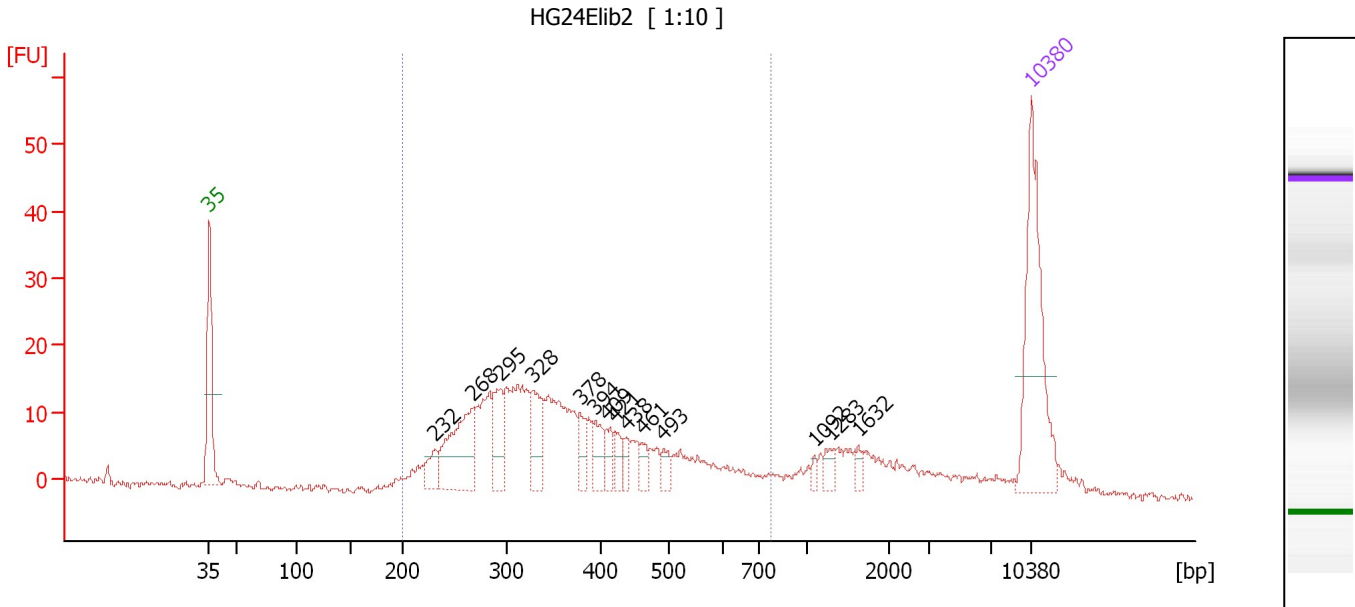
Region table for sample 6 : HG14Flib1

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Color |
|-----------|-------------------|---------|------------|-------------------|------------|-----------------------------|---------------|---|
| 200 | 437 | 870 | 954.5 | 11,044.1 | 80 | 37.6 | 2,633.82 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-10\2015-04-10_001.xad

Created: 4/10/2015 2:19:45 PM
 Modified: 4/10/2015 3:01:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : HG24Elib2

Number of peaks found: 14 Corr. Area 1: 339.8
 Noise: 0.6

Peak table for sample 7 : HG24Elib2

| 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 | 232 | 15.64 | 102.1 | | 62.26 |
| 3 | 268 | 68.60 | 388.4 | | 65.39 |
| 4 | 295 | 31.39 | 161.3 | | 67.80 |
| 5 | 328 | 32.07 | 148.1 | | 70.53 |
| 6 | 378 | 14.33 | 57.4 | | 74.57 |
| 7 | 394 | 16.37 | 63.0 | | 75.84 |
| 8 | 409 | 11.10 | 41.1 | | 76.89 |
| 9 | 421 | 9.42 | 33.9 | | 77.57 |
| 10 | 438 | 8.08 | 28.0 | | 78.52 |
| 11 | 461 | 9.08 | 29.9 | | 79.84 |
| 12 | 493 | 8.33 | 25.6 | | 81.66 |
| 13 | 1,092 | 3.31 | 4.6 | | 94.56 |
| 14 | 1,283 | 7.06 | 8.3 | | 95.87 |
| 15 | 1,632 | 4.01 | 3.7 | | 98.28 |
| 16 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

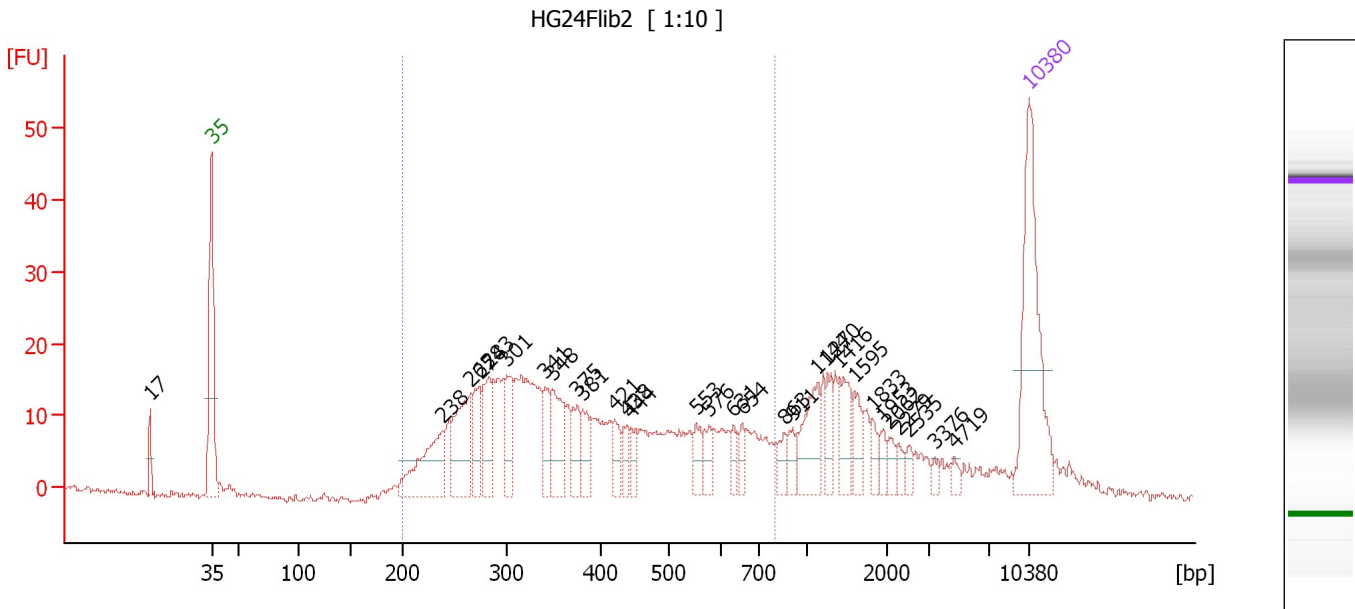
Region table for sample 7 : HG24Elib2

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Color |
|-----------|-------------------|---------|------------|-------------------|------------|-----------------------------|---------------|-------|
| 200 | 369 | 775 | 339.8 | 2,264.5 | 80 | 28.9 | 498.55 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-10\2015-04-10_001.xad

Created: 4/10/2015 2:19:45 PM
 Modified: 4/10/2015 3:01:31 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : HG24Flib2

Number of peaks found: 30 Corr. Area 1: 433.2
 Noise: 0.5

Peak table for sample 8 : HG24Flib2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 1 | 17 | 0.00 | 0.0 | | 37.75 |
| 2 | 35 | 125.00 | 5,411.3 | Lower Marker | 43.00 |
| 3 | 238 | 60.46 | 385.1 | | 62.77 |
| 4 | 265 | 55.07 | 315.1 | | 65.15 |
| 5 | 274 | 31.06 | 171.7 | | 65.97 |
| 6 | 283 | 32.64 | 174.8 | | 66.74 |
| 7 | 301 | 32.51 | 163.9 | | 68.30 |
| 8 | 341 | 20.66 | 91.9 | | 71.54 |
| 9 | 348 | 34.79 | 151.6 | | 72.13 |
| 10 | 375 | 20.01 | 80.9 | | 74.32 |
| 11 | 381 | 17.71 | 70.5 | | 74.78 |
| 12 | 421 | 13.48 | 48.5 | | 77.57 |
| 13 | 438 | 10.41 | 36.0 | | 78.53 |
| 14 | 444 | 10.75 | 36.7 | | 78.89 |
| 15 | 553 | 12.35 | 33.9 | | 84.51 |
| 16 | 576 | 11.94 | 31.4 | | 85.60 |
| 17 | 631 | 8.25 | 19.8 | | 87.70 |
| 18 | 654 | 8.42 | 19.5 | | 88.43 |
| 19 | 863 | 9.49 | 16.7 | | 92.09 |
| 20 | 911 | 9.30 | 15.5 | | 92.73 |
| 21 | 1,144 | 31.52 | 41.7 | | 94.92 |
| 22 | 1,270 | 11.83 | 14.1 | | 95.79 |
| 23 | 1,416 | 20.22 | 21.6 | | 96.79 |
| 24 | 1,595 | 13.11 | 12.5 | | 98.02 |
| 25 | 1,833 | 6.80 | 5.6 | | 99.67 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-10\2015-04-10_001.xad


Created: 4/10/2015 2:19:45 PM
 Modified: 4/10/2015 3:01:31 PM

Electropherogram Summary Continued ...

... Peak table for sample 8 : HG24Flib2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations | Aligned Migration Time [s] |
|------|-----------|---------------|-------------------|--------------|----------------------------|
| 26 | 1,953 | 6.22 | 4.8 | | 100.49 |
| 27 | 2,062 | 6.24 | 4.6 | | 101.04 |
| 28 | 2,279 | 5.03 | 3.3 | | 101.81 |
| 29 | 2,535 | 4.59 | 2.7 | | 102.73 |
| 30 | 3,376 | 3.14 | 1.4 | | 104.87 |
| 31 | 4,719 | 3.99 | 1.3 | | 106.61 |
| 32 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

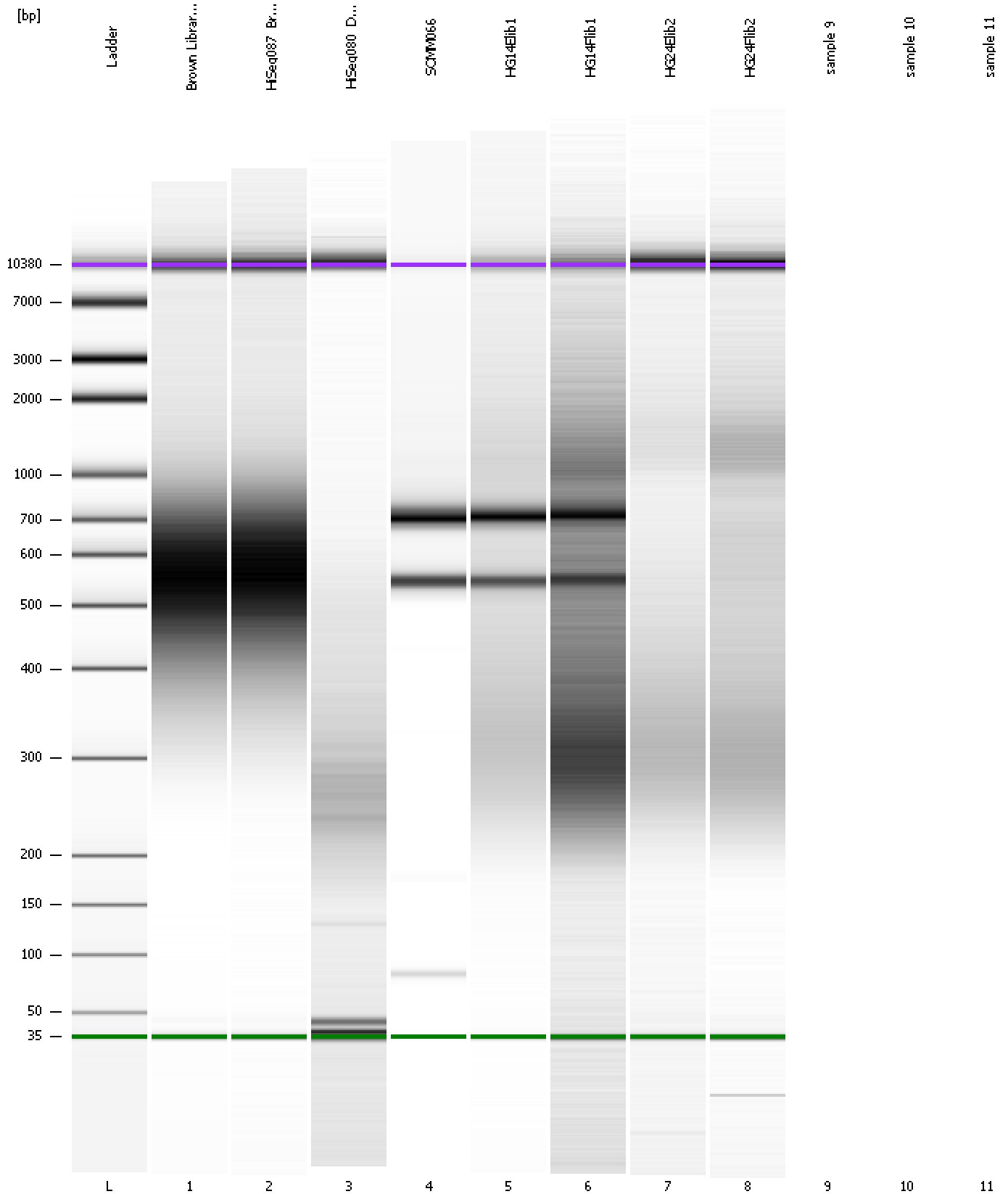
Region table for sample 8 : HG24Flib2

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | % of Total | Size distribution in CV [%] | Conc. [pg/μl] | Color |
|-----------|-------------------|---------|------------|-------------------|------------|-----------------------------|---------------|---|
| 200 | 403 | 801 | 433.2 | 2,888.0 | 70 | 34.2 | 659.27 |  |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-10\2015-04-10_001.xad

Created: 4/10/2015 2:19:45 PM
Modified: 4/10/2015 3:01:31 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-10\2015-04-10_001.xad

Created: 4/10/2015 2:19:45 PM
Modified: 4/10/2015 3:01:31 PM

Invalid Samples

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-10\2015-04-10_001.xad

Created: 4/10/2015 2:19:45 PM
 Modified: 4/10/2015 3:01:31 PM

Run Logbook

| Description | Number | Source | Category | Sub Category | Time | Time Zone | User | Host |
|---|--------|------------|----------|--------------|----------------------|-------------------------------------|----------|----------|
| Run ended on port 1 (Number of wells acquired: 9) | | Instrument | Run | | 4/10/2015 2:52:29 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-04-10\2015-04-10_001.xad) | | Instrument | Run | | 4/10/2015 2:19:51 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Product Number : G2938B | | Instrument | Run | | 4/10/2015 2:19:51 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Name : | | Instrument | Run | | 4/10/2015 2:19:51 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Vendor : Agilent Technologies | | Instrument | Run | | 4/10/2015 2:19:51 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Serial# : DE13701086 | | Instrument | Run | | 4/10/2015 2:19:51 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Firmware : C.01.069 | | Instrument | Run | | 4/10/2015 2:19:51 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |
| Cartridge : Electrode | | Instrument | Run | | 4/10/2015 2:19:51 PM | (GMT --07:00) Pacific Standard Time | UC Davis | D8XSMGH1 |