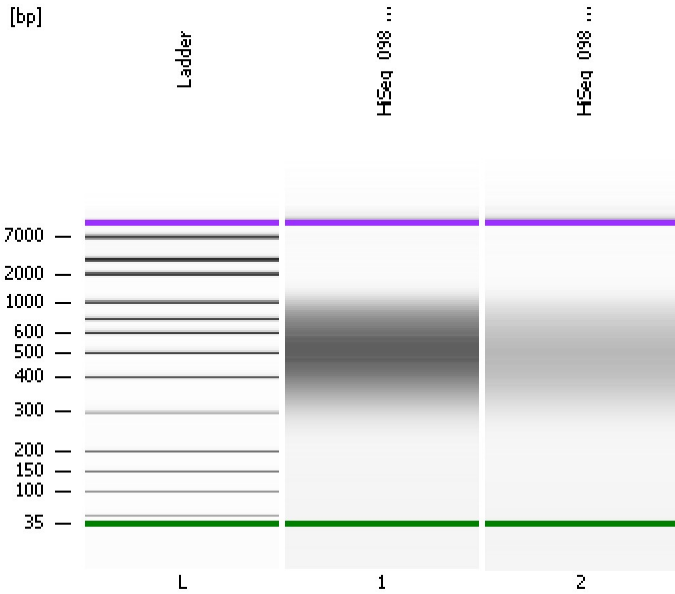


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...015-09-08\2015-09-08_001_HiSeq_098_MatePairLibs_6kb_8kb.xad

Created: 9/8/2015 11:15:54 AM
Modified: 9/8/2015 1:22:57 PM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

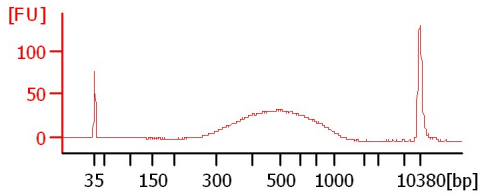
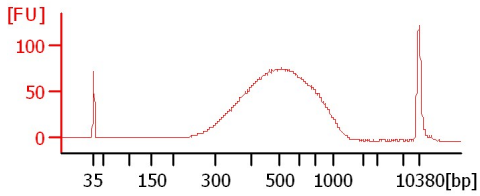
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

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

HiSeq_098 Mate Pair Library 6kb

HiSeq_098 Mate Pair Library 8kb



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...015-09-08\2015-09-08_001_HiSeq_098_MatePairLibs_6kb_8kb.xad

Created: 9/8/2015 11:15:54 AM
 Modified: 9/8/2015 1:22:57 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status | Observation | Result Label | Result Color |
|---------------------------------|----------------|--------------------------|--------|--------------------------|--------------|--------------|
| HiSeq_098 Mate Pair Library 6kb | | <input type="checkbox"/> | ✓ | | | |
| HiSeq_098 Mate Pair Library 8kb | | <input type="checkbox"/> | ✓ | | | |
| Ladder | | <input type="checkbox"/> | ✓ | | | |
| Chip Lot # | | | | Reagent Kit Lot # | | |

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...015-09-08\2015-09-08_001_HiSeq_098_MatePairLibs_6kb_8kb.xad

Created: 9/8/2015 11:15:54 AM
Modified: 9/8/2015 1:22:57 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

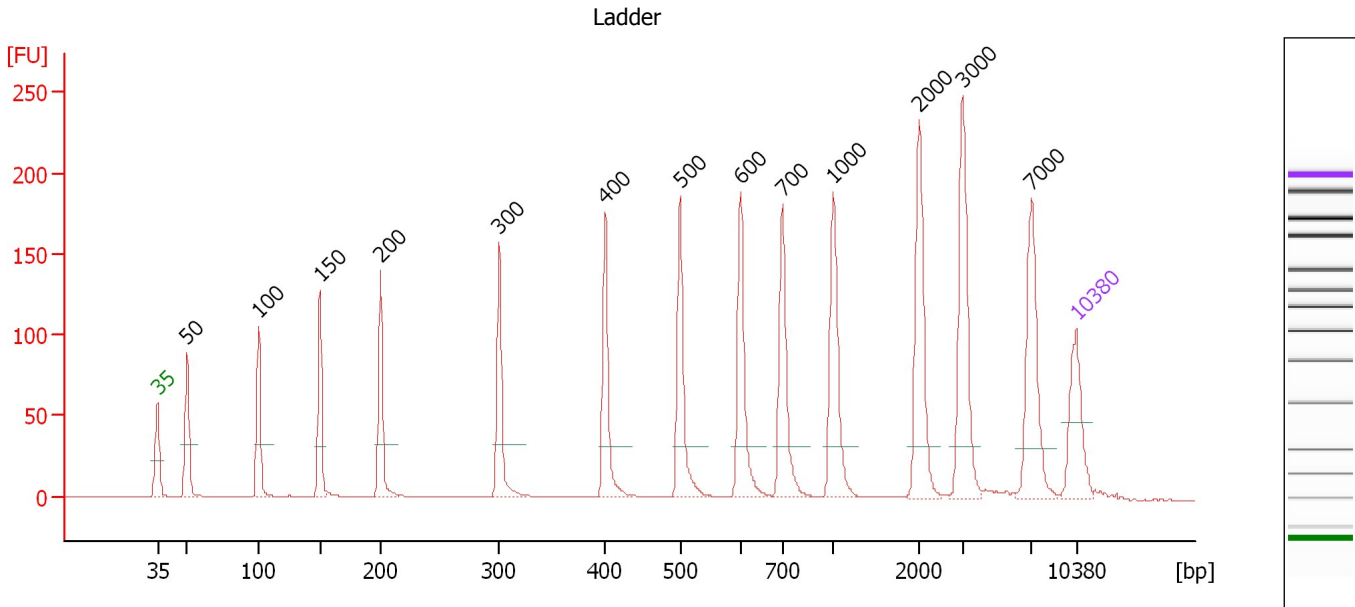
Ladder

| 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:\...015-09-08\2015-09-08_001_HiSeq_098_MatePairLibs_6kb_8kb.xad

Created: 9/8/2015 11:15:54 AM
 Modified: 9/8/2015 1:22:57 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

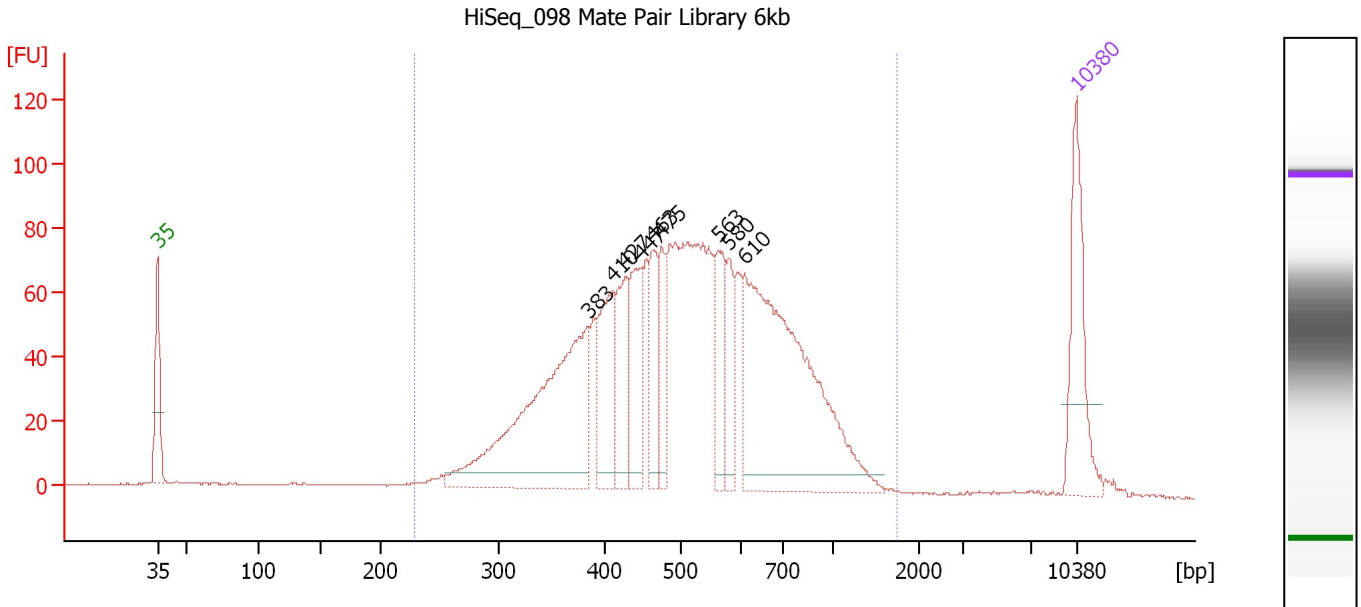
Peak table for Ladder

| 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 | 45.27 |
| 3 | 100 | 150.00 | 2,272.7 | Ladder Peak | 50.69 |
| 4 | 150 | 150.00 | 1,515.2 | Ladder Peak | 55.37 |
| 5 | 200 | 150.00 | 1,136.4 | Ladder Peak | 60.01 |
| 6 | 300 | 150.00 | 757.6 | Ladder Peak | 69.06 |
| 7 | 400 | 150.00 | 568.2 | Ladder Peak | 77.11 |
| 8 | 500 | 150.00 | 454.5 | Ladder Peak | 82.80 |
| 9 | 600 | 150.00 | 378.8 | Ladder Peak | 87.44 |
| 10 | 700 | 150.00 | 324.7 | Ladder Peak | 90.62 |
| 11 | 1,000 | 150.00 | 227.3 | Ladder Peak | 94.49 |
| 12 | 2,000 | 150.00 | 113.6 | Ladder Peak | 101.04 |
| 13 | 3,000 | 150.00 | 75.8 | Ladder Peak | 104.31 |
| 14 | 7,000 | 150.00 | 32.5 | Ladder Peak | 109.59 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...015-09-08\2015-09-08_001_HiSeq_098_MatePairLibs_6kb_8kb.xad

Created: 9/8/2015 11:15:54 AM
 Modified: 9/8/2015 1:22:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : HiSeq_098 Mate Pair Library 6kb

Number of peaks found: 9 Corr. Area 1: 1,894.5
 Noise: 0.2

Peak table for sample 1 : HiSeq_098 Mate Pair Library 6kb

| 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 | 383 | 305.72 | 1,207.9 | | 75.78 |
| 3 | 410 | 93.69 | 345.9 | | 77.70 |
| 4 | 427 | 72.27 | 256.3 | | 78.66 |
| 5 | 447 | 79.11 | 267.9 | | 79.81 |
| 6 | 463 | 55.03 | 179.9 | | 80.72 |
| 7 | 475 | 47.64 | 152.0 | | 81.36 |
| 8 | 563 | 61.64 | 166.0 | | 85.70 |
| 9 | 580 | 45.09 | 117.7 | | 86.53 |
| 10 | 610 | 346.34 | 860.0 | | 87.76 |
| 11 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |

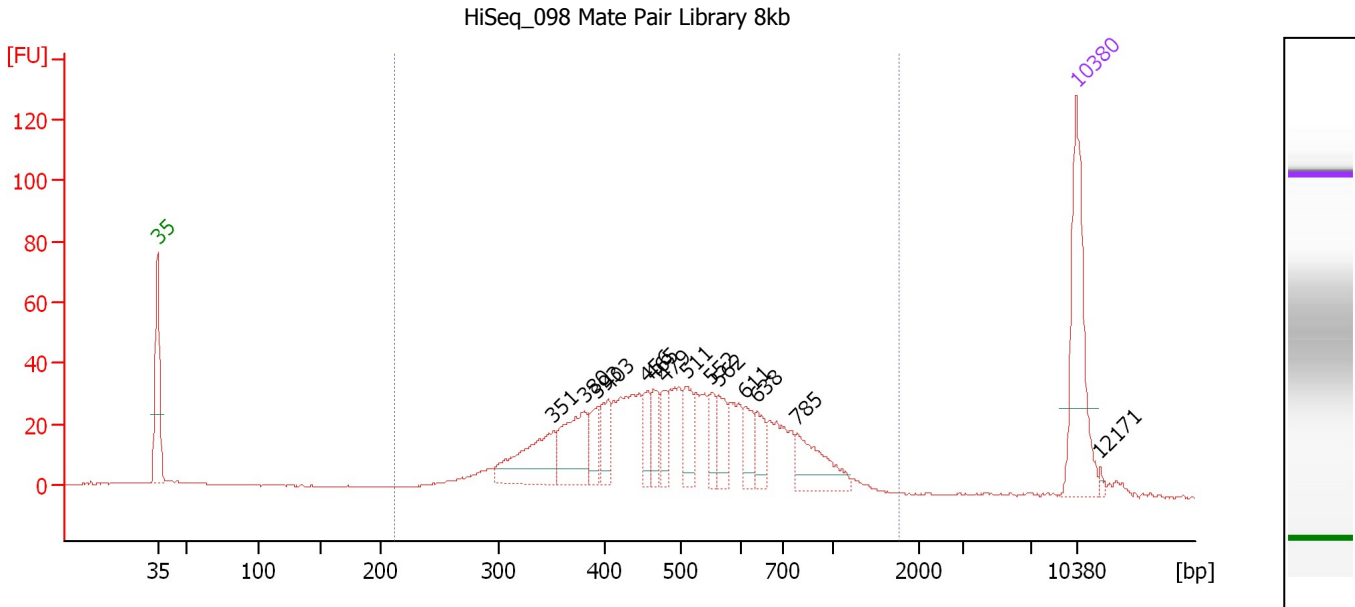
Region table for sample 1 : HiSeq_098 Mate Pair Library 6kb

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of lor Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|-------------------|-----------------------------|---------------|
| 229 | 541 | 1,740 | 1,894.5 | 5,076.9 | 96 | 35.9 | 1,572.04 |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...015-09-08\2015-09-08_001_HiSeq_098_MatePairLibs_6kb_8kb.xad

Created: 9/8/2015 11:15:54 AM
 Modified: 9/8/2015 1:22:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : HiSeq_098 Mate Pair Library 8kb

Number of peaks found: 14 Corr. Area 1: 854.5
 Noise: 0.2

Peak table for sample 2 : HiSeq_098 Mate Pair Library 8kb

| 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 | 351 | 65.76 | 284.2 | | 73.13 |
| 3 | 380 | 59.14 | 235.9 | | 75.50 |
| 4 | 393 | 19.43 | 75.0 | | 76.52 |
| 5 | 403 | 25.07 | 94.2 | | 77.30 |
| 6 | 456 | 21.37 | 71.0 | | 80.32 |
| 7 | 465 | 21.49 | 70.1 | | 80.78 |
| 8 | 479 | 22.89 | 72.4 | | 81.62 |
| 9 | 511 | 27.14 | 80.4 | | 83.33 |
| 10 | 552 | 17.61 | 48.3 | | 85.23 |
| 11 | 562 | 22.98 | 61.9 | | 85.70 |
| 12 | 611 | 19.32 | 47.9 | | 87.78 |
| 13 | 638 | 18.86 | 44.7 | | 88.66 |
| 14 | 785 | 41.87 | 80.8 | | 91.72 |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker | 113.00 |
| 16 | 12,171 | 0.00 | 0.0 | | 114.81 |

Region table for sample 2 : HiSeq_098 Mate Pair Library 8kb

| From [bp] | Average Size [bp] | To [bp] | Corr. Area | Molarity [pmol/l] | Co % of Total | Size distribution in CV [%] | Conc. [pg/μl] |
|-----------|-------------------|---------|------------|-------------------|---------------|-----------------------------|---------------|
| 212 | 525 | 1,764 | 854.5 | 2,322.0 | 93 | 36.2 | 696.89 |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...015-09-08\2015-09-08_001_HiSeq_098_MatePairLibs_6kb_8kb.xad

Created: 9/8/2015 11:15:54 AM
Modified: 9/8/2015 1:22:57 PM

Gel Image

