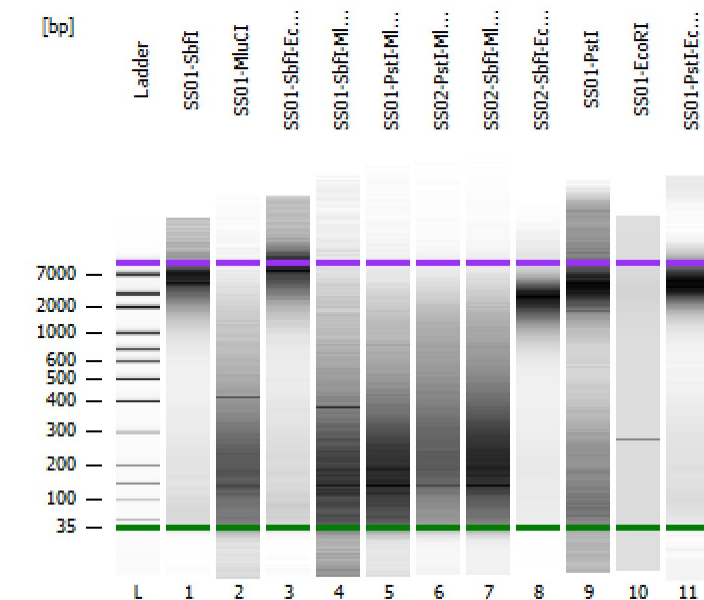


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
Modified: 4/8/2014 2:46:30 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE04103186
Serial#: DE04103186

Firmware: C.01.069
Type: G2939A

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy

Assay Class: High Sensitivity DNA Assay

Version: 1.03

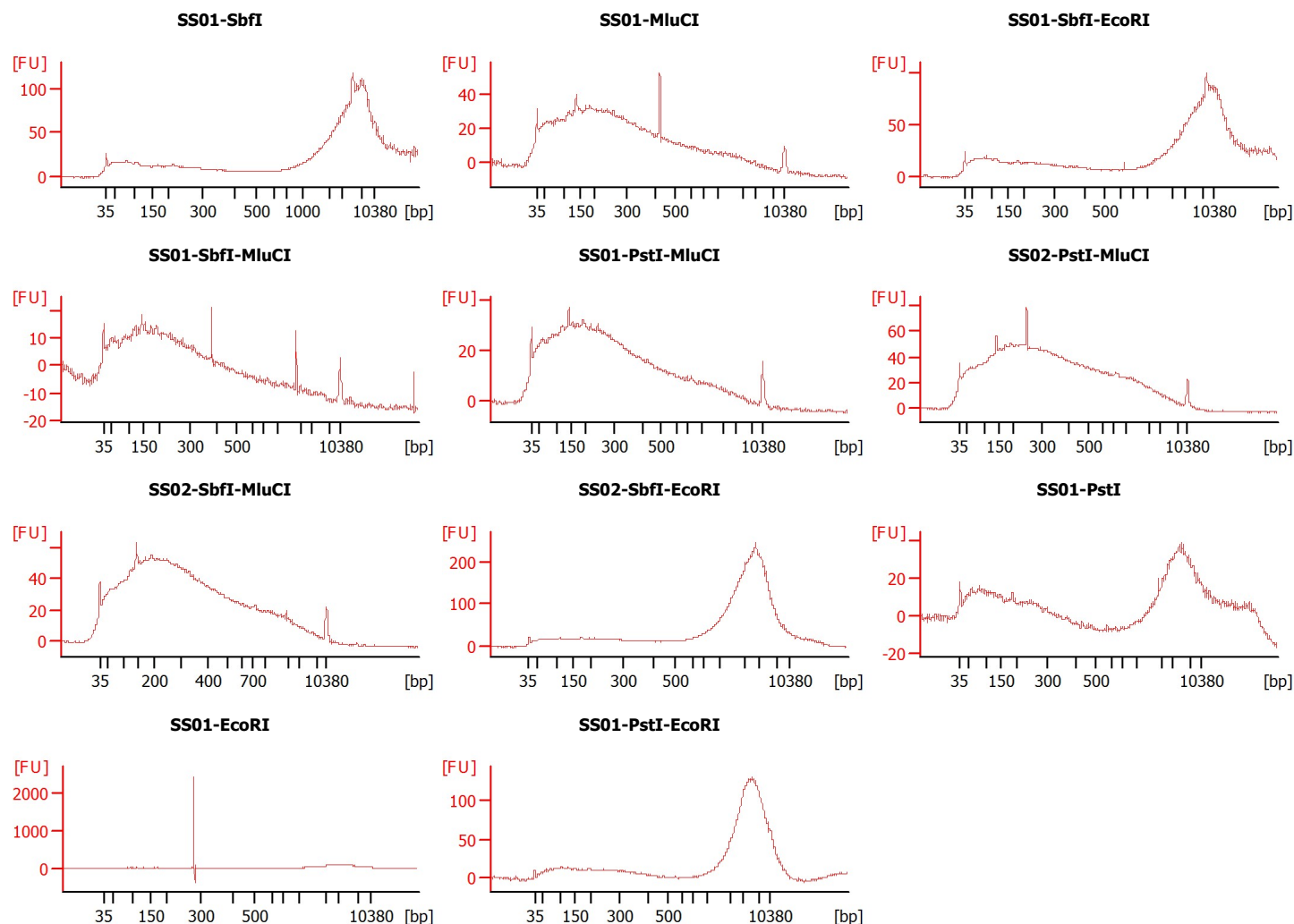
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
Modified: 4/8/2014 2:46:30 PM

Electrophoresis File Run Summary (Chip Summary)

| Sample Name | Sample Comment | Rest. Digest | Status Observation | Result Label | Result Color |
|-----------------|----------------|--------------------------|--------------------|--------------|--------------|
| SS01-SbfI | | <input type="checkbox"/> | ✓ | | |
| SS01-MluCI | | <input type="checkbox"/> | ✓ | | |
| SS01-SbfI-EcoRI | | <input type="checkbox"/> | ✓ | | |
| SS01-SbfI-MluCI | | <input type="checkbox"/> | ✓ | | |
| SS01-PstI-MluCI | | <input type="checkbox"/> | ✓ | | |
| SS02-PstI-MluCI | | <input type="checkbox"/> | ✓ | | |
| SS02-SbfI-MluCI | | <input type="checkbox"/> | ✓ | | |
| SS02-SbfI-EcoRI | | <input type="checkbox"/> | ✓ | | |
| SS01-PstI | | <input type="checkbox"/> | ✓ | | |
| SS01-EcoRI | | <input type="checkbox"/> | ✓ | | |
| SS01-PstI-EcoRI | | <input type="checkbox"/> | ✓ | | |
| Ladder | | <input type="checkbox"/> | ✓ | | |

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
Modified: 4/8/2014 2:46:30 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/ 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

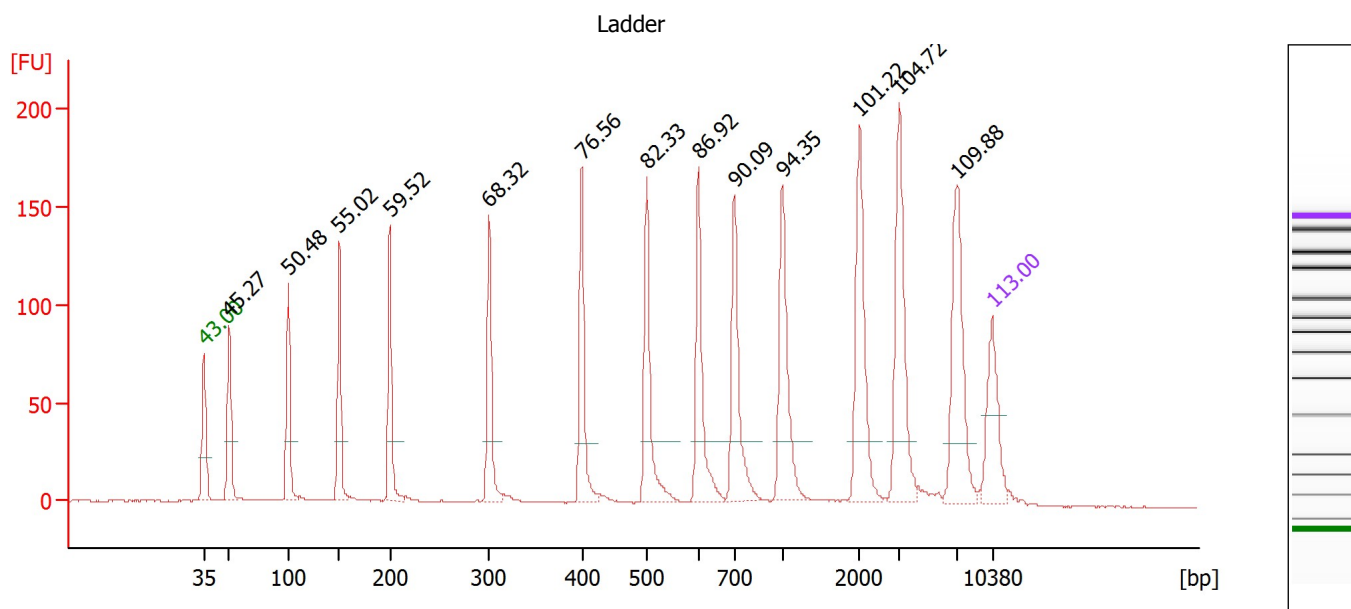
Ladder

| 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:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
 Modified: 4/8/2014 2:46:30 PM

Electropherogram Summary



Overall Results for Ladder

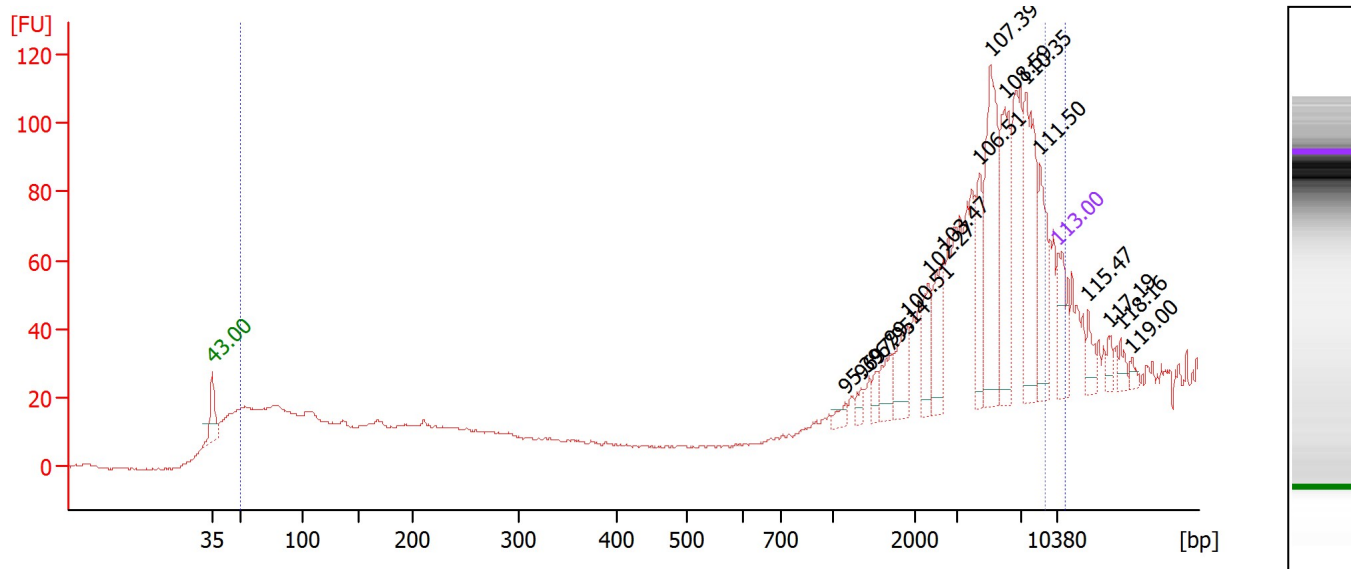
Noise: 0.3

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 | ▶ | 10,380 | 75.00 | 10.9 | Upper Marker |

Created: 1/8/2014 3:20:32 PM
Modified: 4/8/2014 2:46:30 PM

SS01-SbfI



| | | | |
|------------------------|-----|---------------|-------|
| Number of peaks found: | 16 | Corr. Area 1: | 949.1 |
| Noise: | 0.3 | Corr. Area 2: | 988.5 |

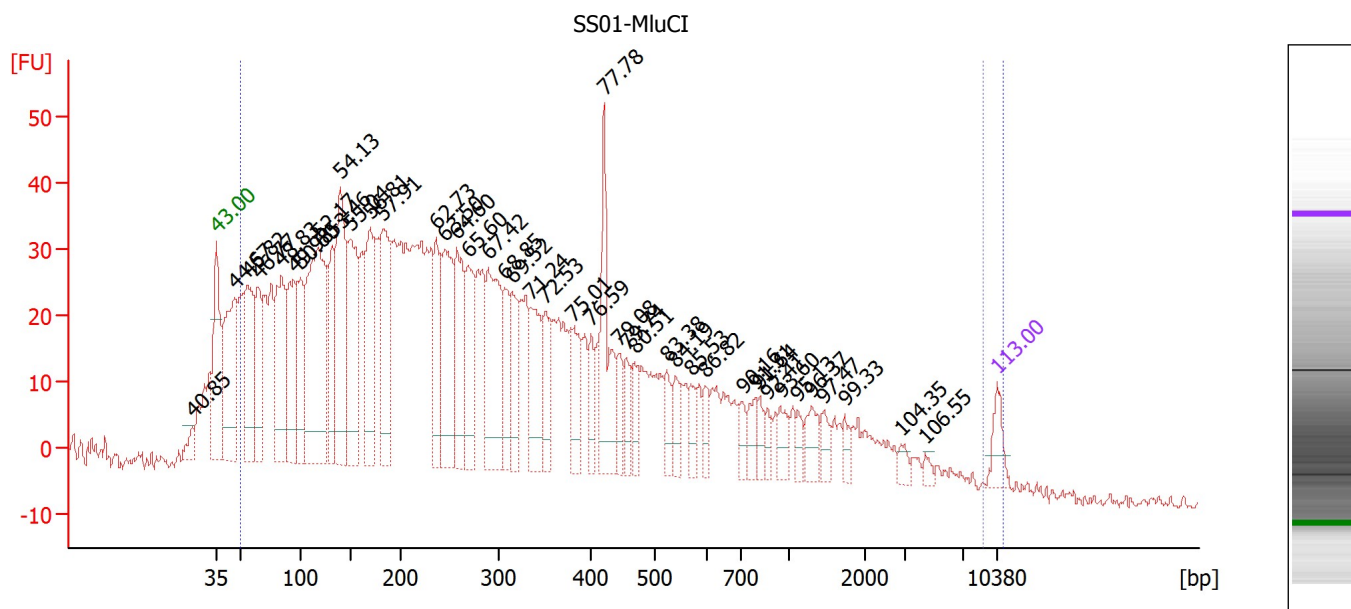
| Peak | | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|--|-----------|---------------|-------------------|--------------|
| 1 | | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | | 1,151 | 17.93 | 23.6 | |
| 3 | | 1,338 | 18.98 | 21.5 | |
| 4 | | 1,524 | 20.30 | 20.2 | |
| 5 | | 1,698 | 49.95 | 44.6 | |
| 6 | | 1,897 | 64.26 | 51.3 | |
| 7 | | 2,303 | 63.33 | 41.7 | |
| 8 | | 2,643 | 88.00 | 50.4 | |
| 9 | | 4,391 | 87.44 | 30.2 | |
| 10 | | 5,076 | 254.04 | 75.8 | |
| 11 | | 6,000 | 175.74 | 44.4 | |
| 12 | | 7,515 | 204.32 | 41.2 | |
| 13 | | 8,756 | 119.62 | 20.7 | |
| 14 | | 10,380 | 75.00 | 10.9 | Upper Marker |
| 15 | | 13,054 | 0.00 | 0.0 | |
| 16 | | 14,917 | 0.00 | 0.0 | |
| 17 | | 15,968 | 0.00 | 0.0 | |
| 18 | | 16,875 | 0.00 | 0.0 | |

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 50 | 9,199 | 949.1 | 85 | 4,234 | 62.9 | 2,679.14 | 18,755.3 | Blue |
| 50 | 11,000 | 988.5 | 89 | 4,679 | 63.9 | 2,764.96 | 18,768.7 | Blue |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
 Modified: 4/8/2014 2:46:30 PM

Electropherogram Summary Continued ...





Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
 Modified: 4/8/2014 2:46:30 PM

Electropherogram Summary Continued ...**... Peak table for sample 2 : SS01-MluCI**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27 | 444 | 104.55 | 357.1 | |
| 28 | 455 | 106.53 | 354.6 | |
| 29 | 468 | 95.92 | 310.2 | |
| 30 | 523 | 93.61 | 271.3 | |
| 31 | 540 | 94.44 | 264.8 | |
| 32 | 570 | 69.71 | 185.4 | |
| 33 | 598 | 70.43 | 178.5 | |
| 34 | 705 | 67.27 | 144.6 | |
| 35 | 786 | 78.44 | 151.3 | |
| 36 | 809 | 56.80 | 106.4 | |
| 37 | 863 | 44.60 | 78.3 | |
| 38 | 947 | 74.53 | 119.2 | |
| 39 | 1,113 | 45.20 | 61.5 | |
| 40 | 1,294 | 88.53 | 103.6 | |
| 41 | 1,454 | 59.02 | 61.5 | |
| 42 | 1,726 | 41.14 | 36.1 | |
| 43 | 2,896 | 31.52 | 16.5 | |
| 44 | 4,421 | 20.39 | 7.0 | |
| 45 | 10,380 | 75.00 | 10.9 | Upper Marker |

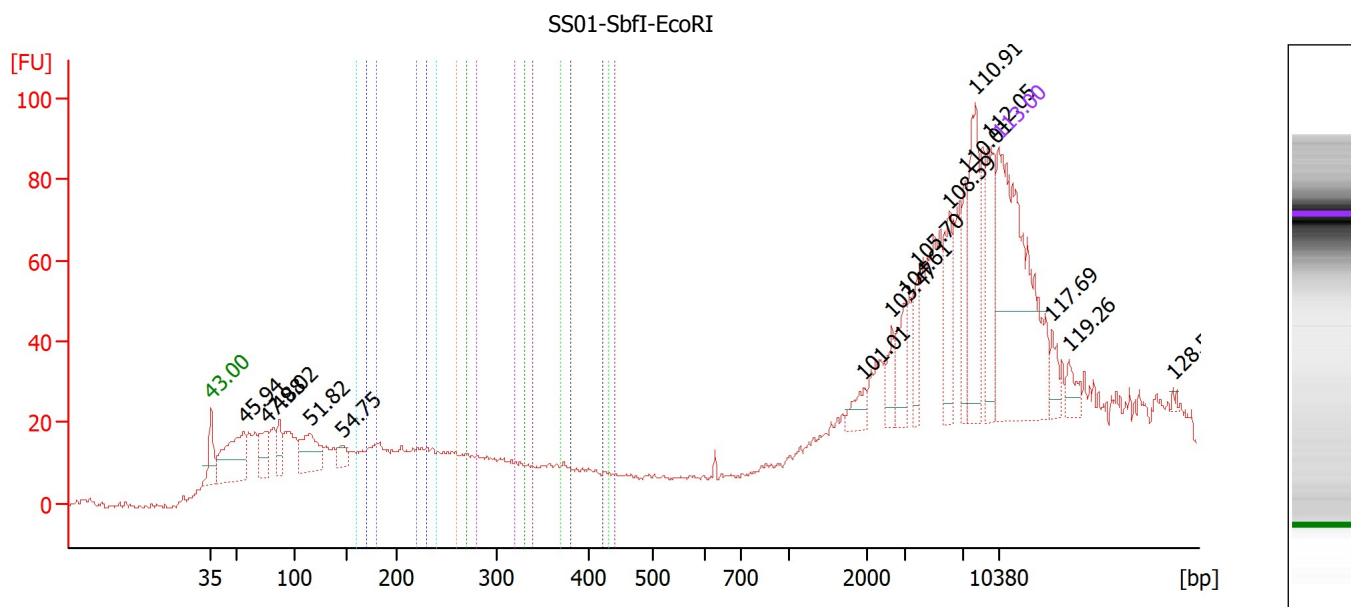
Region table for sample 2 : SS01-MluCI

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|---|
| 50 | 9,000 | 1,967.1 | 93 | 494 | 100.0 | 17,919.13 | 161,807.5 |  |
| 50 | 11,000 | 1,967.6 | 93 | 614 | 100.0 | 17,921.82 | 161,807.9 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
 Modified: 4/8/2014 2:46:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : SS01-SbfI-EcoRI

| | | | |
|------------------------|------|---------------|------|
| Number of peaks found: | 16 | Corr. Area 5: | 10.6 |
| Noise: | 0.6 | Corr. Area 6: | 21.1 |
| Corr. Area 1: | 38.8 | Corr. Area 7: | 0.0 |
| Corr. Area 2: | 59.5 | Corr. Area 8: | 0.0 |
| Corr. Area 3: | 15.7 | Corr. Area 9: | 0.0 |
| Corr. Area 4: | 78.5 | | |

Peak table for sample 3 : SS01-SbfI-EcoRI

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 56 | 45.95 | 1,234.4 | |
| 3 | 75 | 17.64 | 356.0 | |
| 4 | 86 | 12.07 | 212.7 | |
| 5 | 115 | 26.39 | 348.5 | |
| 6 | 147 | 7.12 | 73.4 | |
| 7 | 1,970 | 5.75 | 4.4 | |
| 8 | 2,645 | 7.37 | 4.2 | |
| 9 | 2,970 | 10.86 | 5.5 | |
| 10 | 3,763 | 8.51 | 3.4 | |
| 11 | 6,005 | 17.01 | 4.3 | |
| 12 | 7,149 | 13.33 | 2.8 | |
| 13 | 8,124 | 29.56 | 5.5 | |
| 14 | 9,354 | 21.27 | 3.4 | |
| 15 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 16 | 15,457 | 0.00 | 0.0 | |
| 17 | 17,149 | 0.00 | 0.0 | |
| 18 | 27,149 | 0.00 | 0.0 | |










Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
 Modified: 4/8/2014 2:46:30 PM

Electropherogram Summary Continued ...

... Region table for sample 3 :

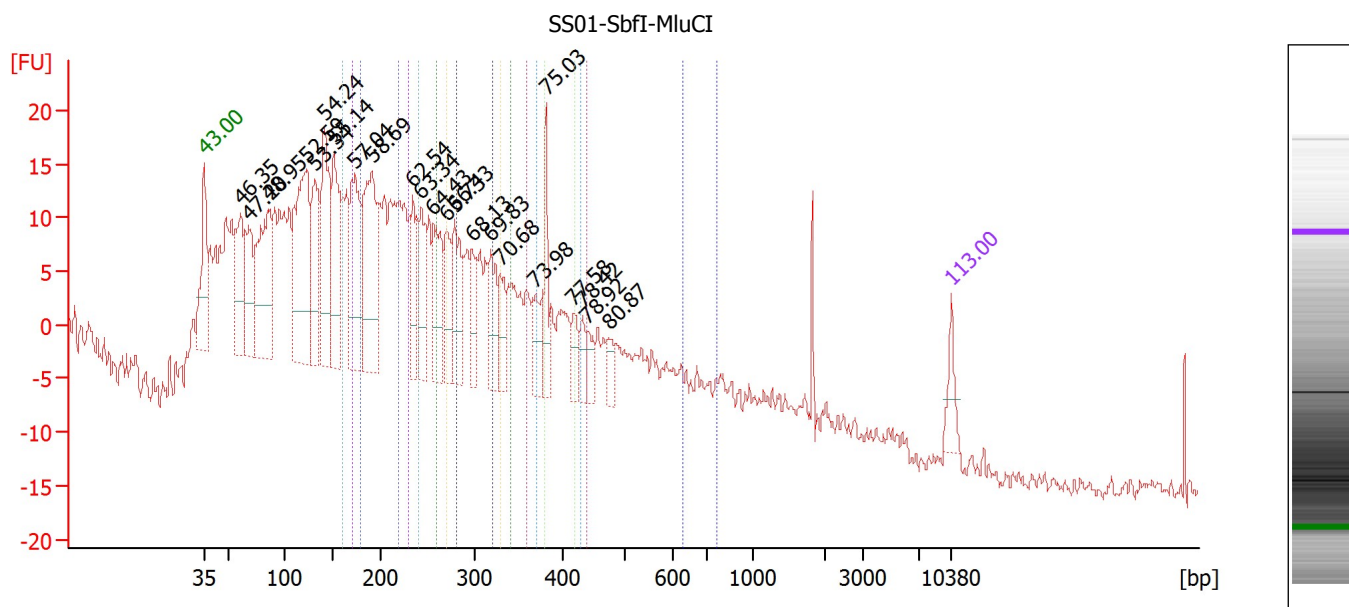
SS01-SbfI-EcoRI

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|---|
| 160 | 240 | 78.5 | 8 | 198 | 11.6 | 55.14 | 431.5 |  |
| 170 | 230 | 59.5 | 6 | 198 | 8.9 | 41.65 | 322.6 |  |
| 180 | 220 | 38.8 | 4 | 199 | 6.0 | 27.12 | 207.7 |  |
| 260 | 340 | 21.1 | 2 | 284 | 6.2 | 13.35 | 71.5 |  |
| 270 | 330 | 15.7 | 2 | 291 | 5.2 | 9.88 | 51.7 |  |
| 280 | 320 | 10.6 | 1 | 296 | 3.7 | 6.61 | 34.0 |  |
| 340 | 440 | 0.0 | 0 | 366 | 2.2 | 0.01 | 0.0 |  |
| 370 | 430 | 0.0 | 0 | 373 | 0.1 | 0.00 | 0.0 |  |
| 380 | 420 | 0.0 | 0 | 0 | 0.0 | 0.00 | 0.0 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
 Modified: 4/8/2014 2:46:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : SS01-SbfI-MluCI

| | | | |
|------------------------|-------|----------------|-------|
| Number of peaks found: | 23 | Corr. Area 5: | 99.9 |
| Noise: | 0.7 | Corr. Area 6: | 133.0 |
| Corr. Area 1: | 103.6 | Corr. Area 7: | 37.2 |
| Corr. Area 2: | 155.0 | Corr. Area 8: | 54.7 |
| Corr. Area 3: | 205.7 | Corr. Area 9: | 71.9 |
| Corr. Area 4: | 66.0 | Corr. Area 10: | 14.8 |

Peak table for sample 4 : SS01-SbfI-MluCI

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 60 | 379.75 | 9,536.9 | |
| 3 | 68 | 369.52 | 8,174.7 | |
| 4 | 85 | 668.05 | 11,868.5 | |
| 5 | 123 | 902.36 | 11,090.7 | |
| 6 | 132 | 414.65 | 4,776.7 | |
| 7 | 141 | 611.93 | 6,556.1 | |
| 8 | 151 | 499.03 | 4,996.4 | |
| 9 | 172 | 558.96 | 4,911.2 | |
| 10 | 191 | 672.94 | 5,344.4 | |
| 11 | 234 | 252.05 | 1,630.0 | |
| 12 | 243 | 222.82 | 1,387.2 | |
| 13 | 256 | 302.46 | 1,791.1 | |
| 14 | 271 | 217.79 | 1,219.4 | |
| 15 | 279 | 304.99 | 1,659.0 | |
| 16 | 298 | 172.10 | 875.4 | |
| 17 | 318 | 216.50 | 1,030.5 | |
| 18 | 329 | 143.03 | 659.4 | |
| 19 | 369 | 143.79 | 590.9 | |
| 20 | 381 | 154.35 | 613.1 | |
| 21 | 418 | 92.83 | 336.8 | |











Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
 Modified: 4/8/2014 2:46:30 PM

Electropherogram Summary Continued ...**... Peak table for sample 4 : SS01-SbfI-MluCI**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 22 | 432 | 71.33 | 250.0 | |
| 23 | 441 | 71.02 | 244.0 | |
| 24 | 475 | 58.98 | 188.2 | |
| 25 | 10,380 | 75.00 | 10.9 | Upper Marker |

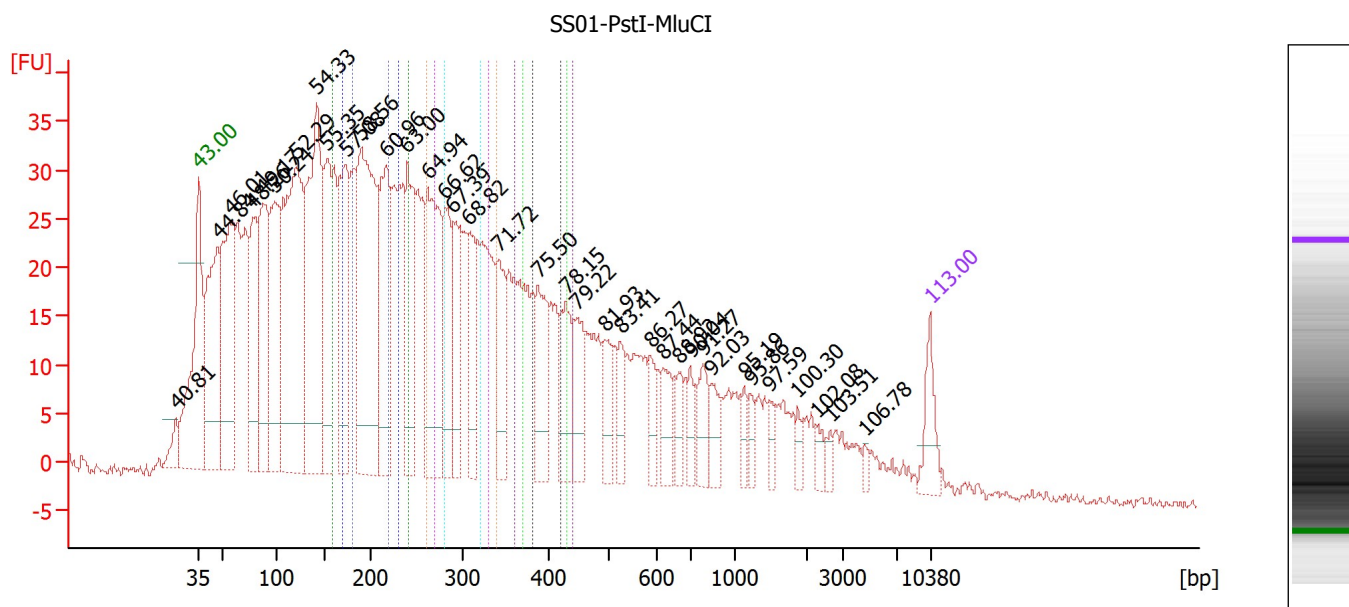
Region table for sample 4 : SS01-SbfI-MluCI

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|---|
| 160 | 240 | 205.7 | 21 | 199 | 11.6 | 3,216.68 | 25,031.1 |  |
| 170 | 230 | 155.0 | 16 | 199 | 8.7 | 2,417.99 | 18,640.2 |  |
| 180 | 220 | 103.6 | 10 | 199 | 5.9 | 1,611.91 | 12,311.4 |  |
| 260 | 340 | 133.0 | 13 | 297 | 7.8 | 1,850.44 | 9,540.5 |  |
| 270 | 330 | 99.9 | 10 | 298 | 5.8 | 1,388.02 | 7,100.9 |  |
| 280 | 320 | 66.0 | 7 | 299 | 3.9 | 915.62 | 4,649.0 |  |
| 360 | 440 | 71.9 | 7 | 393 | 5.7 | 897.87 | 3,475.0 |  |
| 370 | 430 | 54.7 | 5 | 394 | 4.3 | 680.71 | 2,623.3 |  |
| 380 | 420 | 37.2 | 4 | 395 | 3.1 | 462.23 | 1,773.0 |  |
| 630 | 770 | 14.8 | 1 | 683 | 5.6 | 170.46 | 378.9 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
 Modified: 4/8/2014 2:46:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : SS01-PstI-MluCI

| | | | |
|------------------------|-------|---------------|-------|
| Number of peaks found: | 36 | Corr. Area 5: | 188.7 |
| Noise: | 0.7 | Corr. Area 6: | 253.7 |
| Corr. Area 1: | 180.8 | Corr. Area 7: | 67.4 |
| Corr. Area 2: | 272.7 | Corr. Area 8: | 102.4 |
| Corr. Area 3: | 361.9 | Corr. Area 9: | 136.5 |
| Corr. Area 4: | 126.4 | | |

Peak table for sample 5 : SS01-PstI-MluCI

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 27 | 0.00 | 0.0 | |
| 2 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 3 | 47 | 621.51 | 19,981.7 | |
| 4 | 57 | 650.06 | 17,251.9 | |
| 5 | 79 | 387.54 | 7,465.7 | |
| 6 | 87 | 503.21 | 8,716.5 | |
| 7 | 98 | 502.16 | 7,782.7 | |
| 8 | 120 | 1,133.62 | 14,326.2 | |
| 9 | 142 | 895.56 | 9,532.1 | |
| 10 | 154 | 396.83 | 3,914.0 | |
| 11 | 173 | 477.81 | 4,187.0 | |
| 12 | 189 | 921.47 | 7,373.0 | |
| 13 | 216 | 452.95 | 3,171.8 | |
| 14 | 240 | 366.29 | 2,316.8 | |
| 15 | 262 | 535.82 | 3,103.6 | |
| 16 | 281 | 268.70 | 1,450.4 | |
| 17 | 289 | 224.93 | 1,177.6 | |
| 18 | 306 | 194.52 | 963.1 | |
| 19 | 341 | 198.44 | 880.9 | |
| 20 | 387 | 205.08 | 802.5 | |
| 21 | 428 | 178.03 | 630.7 | |










Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
 Modified: 4/8/2014 2:46:30 PM

Electropherogram Summary Continued ...**... Peak table for sample 5 : SS01-PstI-MluCI**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 22 | 446 | 145.84 | 495.2 | |
| 23 | 493 | 107.55 | 330.5 | |
| 24 | 523 | 73.50 | 212.7 | |
| 25 | 586 | 65.55 | 169.6 | |
| 26 | 616 | 86.16 | 211.8 | |
| 27 | 663 | 64.70 | 147.9 | |
| 28 | 698 | 53.09 | 115.2 | |
| 29 | 783 | 80.84 | 156.5 | |
| 30 | 836 | 68.42 | 123.9 | |
| 31 | 1,123 | 35.01 | 47.3 | |
| 32 | 1,219 | 35.97 | 44.7 | |
| 33 | 1,472 | 29.95 | 30.8 | |
| 34 | 1,866 | 27.19 | 22.1 | |
| 35 | 2,247 | 25.90 | 17.5 | |
| 36 | 2,655 | 18.46 | 10.5 | |
| 37 | 4,596 | 13.11 | 4.3 | |
| 38 | 10,380 | 75.00 | 10.9 | Upper Marker |

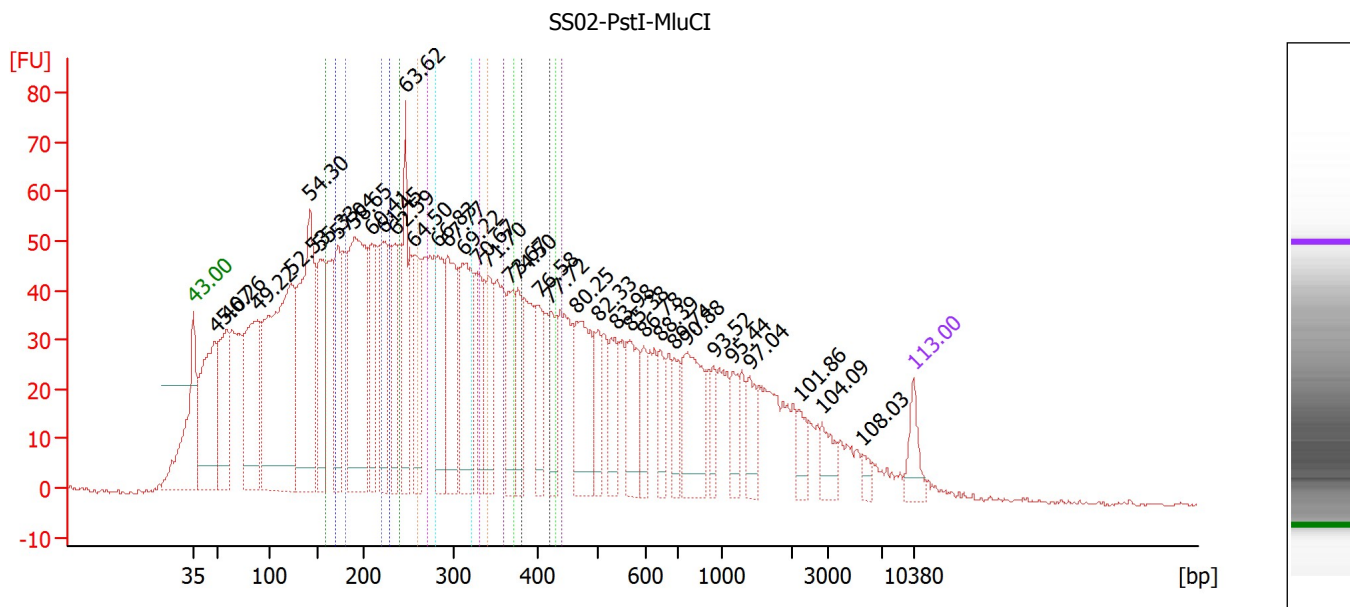
Region table for sample 5 : SS01-PstI-MluCI

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|---|
| 160 | 240 | 361.9 | 19 | 199 | 11.7 | 2,971.43 | 23,113.2 |  |
| 170 | 230 | 272.7 | 14 | 199 | 8.8 | 2,233.08 | 17,183.0 |  |
| 180 | 220 | 180.8 | 10 | 199 | 5.8 | 1,477.39 | 11,281.5 |  |
| 260 | 340 | 253.7 | 13 | 297 | 7.8 | 1,853.87 | 9,550.3 |  |
| 270 | 330 | 188.7 | 10 | 298 | 5.8 | 1,376.95 | 7,030.9 |  |
| 280 | 320 | 126.4 | 7 | 299 | 3.9 | 921.47 | 4,681.1 |  |
| 360 | 440 | 136.5 | 7 | 394 | 5.8 | 895.27 | 3,456.1 |  |
| 370 | 430 | 102.4 | 5 | 396 | 4.4 | 668.79 | 2,565.9 |  |
| 380 | 420 | 67.4 | 4 | 397 | 2.9 | 438.96 | 1,677.7 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
 Modified: 4/8/2014 2:46:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : SS02-PstI-MluCI

| | | | |
|------------------------|-------|---------------|-------|
| Number of peaks found: | 36 | Corr. Area 5: | 337.4 |
| Noise: | 0.4 | Corr. Area 6: | 449.0 |
| Corr. Area 1: | 290.2 | Corr. Area 7: | 136.6 |
| Corr. Area 2: | 432.4 | Corr. Area 8: | 207.2 |
| Corr. Area 3: | 575.1 | Corr. Area 9: | 278.0 |
| Corr. Area 4: | 224.1 | | |

Peak table for sample 6 : SS02-PstI-MluCI

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 49 | 700.18 | 21,791.0 | |
| 3 | 60 | 482.71 | 12,285.6 | |
| 4 | 88 | 732.99 | 12,635.3 | |
| 5 | 123 | 1,462.25 | 18,068.0 | |
| 6 | 142 | 1,044.21 | 11,141.2 | |
| 7 | 153 | 465.73 | 4,598.7 | |
| 8 | 172 | 380.21 | 3,340.3 | |
| 9 | 190 | 916.81 | 7,298.7 | |
| 10 | 210 | 301.99 | 2,177.5 | |
| 11 | 222 | 410.08 | 2,800.1 | |
| 12 | 235 | 285.55 | 1,842.2 | |
| 13 | 247 | 348.04 | 2,138.3 | |
| 14 | 257 | 298.06 | 1,759.8 | |
| 15 | 283 | 296.60 | 1,587.3 | |
| 16 | 294 | 444.87 | 2,295.0 | |
| 17 | 311 | 485.95 | 2,368.4 | |
| 18 | 329 | 200.30 | 923.8 | |
| 19 | 341 | 265.20 | 1,178.1 | |
| 20 | 365 | 211.25 | 876.9 | |
| 21 | 375 | 179.95 | 727.0 | |










Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
 Modified: 4/8/2014 2:46:30 PM

Electropherogram Summary Continued ...**... Peak table for sample 6 : SS02-PstI-MluCI**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 22 | 400 | 157.89 | 597.6 | |
| 23 | 420 | 161.38 | 582.1 | |
| 24 | 464 | 360.57 | 1,177.3 | |
| 25 | 500 | 128.49 | 389.4 | |
| 26 | 536 | 148.78 | 420.5 | |
| 27 | 566 | 214.11 | 572.7 | |
| 28 | 597 | 92.74 | 235.4 | |
| 29 | 646 | 104.76 | 245.6 | |
| 30 | 689 | 107.21 | 235.8 | |
| 31 | 755 | 291.94 | 585.8 | |
| 32 | 941 | 71.07 | 114.4 | |
| 33 | 1,158 | 83.93 | 109.8 | |
| 34 | 1,392 | 96.59 | 105.1 | |
| 35 | 2,184 | 59.53 | 41.3 | |
| 36 | 2,820 | 69.29 | 37.2 | |
| 37 | 5,565 | 28.82 | 7.8 | |
| 38 | 10,380 | 75.00 | 10.9 | Upper Marker |

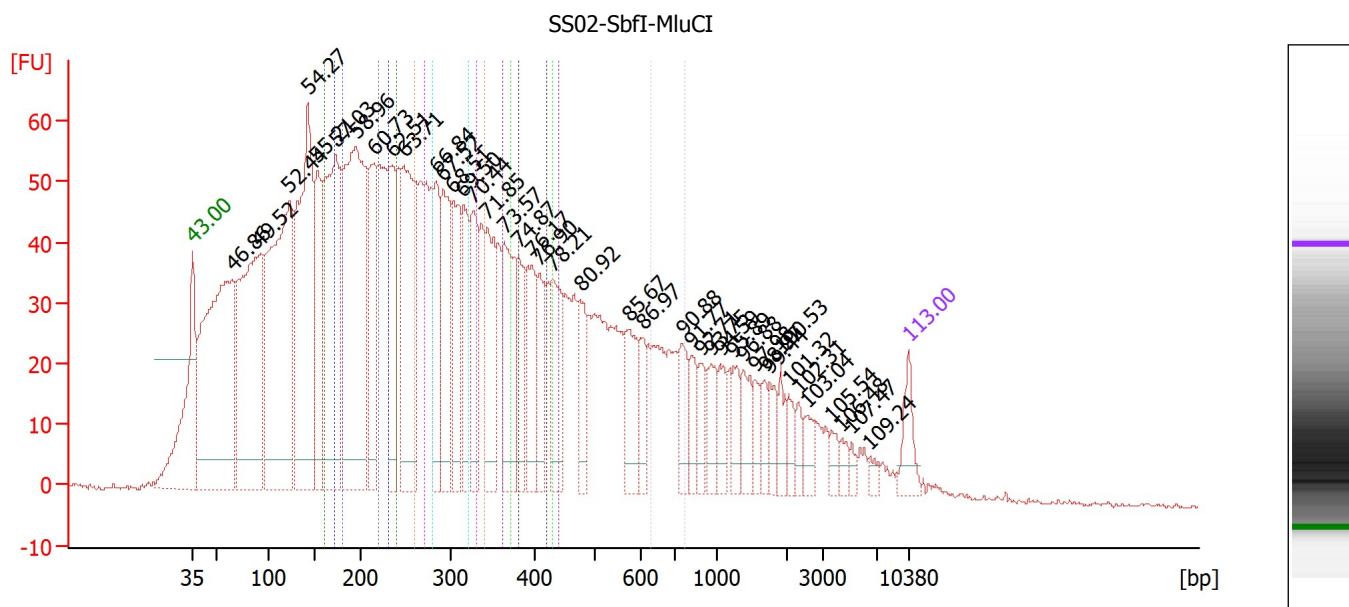
Region table for sample 6 : SS02-PstI-MluCI

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|---|
| 160 | 240 | 575.1 | 18 | 200 | 11.6 | 3,312.28 | 25,667.1 |  |
| 170 | 230 | 432.4 | 13 | 200 | 8.7 | 2,484.40 | 19,071.3 |  |
| 180 | 220 | 290.2 | 9 | 199 | 5.9 | 1,664.47 | 12,699.1 |  |
| 260 | 340 | 449.0 | 14 | 298 | 7.7 | 2,300.57 | 11,807.3 |  |
| 270 | 330 | 337.4 | 10 | 298 | 5.8 | 1,727.85 | 8,815.9 |  |
| 280 | 320 | 224.1 | 7 | 299 | 3.9 | 1,147.56 | 5,829.1 |  |
| 360 | 440 | 278.0 | 9 | 395 | 5.8 | 1,279.91 | 4,938.6 |  |
| 370 | 430 | 207.2 | 6 | 396 | 4.3 | 950.23 | 3,646.1 |  |
| 380 | 420 | 136.6 | 4 | 397 | 2.9 | 623.96 | 2,381.9 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
 Modified: 4/8/2014 2:46:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : SS02-SbfI-MluCI

| | | | |
|------------------------|-------|----------------|-------|
| Number of peaks found: | 42 | Corr. Area 5: | 348.9 |
| Noise: | 0.4 | Corr. Area 6: | 465.1 |
| Corr. Area 1: | 310.2 | Corr. Area 7: | 128.8 |
| Corr. Area 2: | 463.5 | Corr. Area 8: | 198.1 |
| Corr. Area 3: | 614.1 | Corr. Area 9: | 267.0 |
| Corr. Area 4: | 231.5 | Corr. Area 10: | 85.4 |

Peak table for sample 7 : SS02-SbfI-MluCI

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 65 | 1,588.30 | 36,880.2 | |
| 3 | 91 | 1,243.97 | 20,757.7 | |
| 4 | 122 | 1,443.88 | 17,990.5 | |
| 5 | 142 | 1,202.01 | 12,853.3 | |
| 6 | 152 | 455.32 | 4,537.3 | |
| 7 | 172 | 955.16 | 8,397.0 | |
| 8 | 194 | 1,231.68 | 9,628.9 | |
| 9 | 214 | 442.80 | 3,137.7 | |
| 10 | 234 | 344.43 | 2,230.5 | |
| 11 | 248 | 699.56 | 4,280.9 | |
| 12 | 283 | 287.92 | 1,540.7 | |
| 13 | 291 | 392.55 | 2,044.9 | |
| 14 | 302 | 333.57 | 1,672.2 | |
| 15 | 314 | 246.82 | 1,189.9 | |
| 16 | 326 | 301.46 | 1,402.4 | |
| 17 | 343 | 314.40 | 1,389.7 | |
| 18 | 364 | 350.38 | 1,459.7 | |
| 19 | 380 | 198.44 | 792.2 | |
| 20 | 395 | 221.38 | 848.4 | |
| 21 | 406 | 187.28 | 698.9 | |











Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
 Modified: 4/8/2014 2:46:30 PM

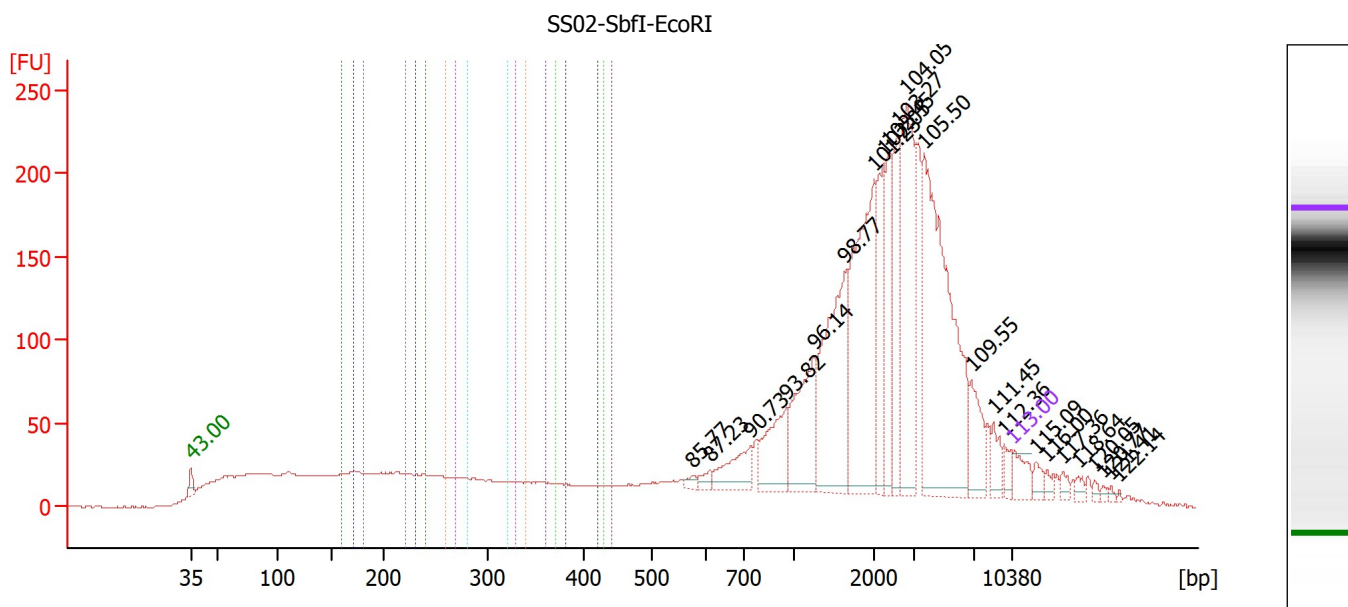
Electropherogram Summary Continued ...**... Peak table for sample 7 : SS02-SbfI-MluCI**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 22 | 429 | 250.93 | 887.0 | |
| 23 | 476 | 155.61 | 495.7 | |
| 24 | 573 | 178.02 | 471.0 | |
| 25 | 602 | 82.72 | 208.3 | |
| 26 | 756 | 116.71 | 234.0 | |
| 27 | 818 | 83.57 | 154.8 | |
| 28 | 884 | 72.24 | 123.8 | |
| 29 | 958 | 86.67 | 137.1 | |
| 30 | 1,034 | 78.93 | 115.6 | |
| 31 | 1,224 | 71.03 | 87.9 | |
| 32 | 1,369 | 84.48 | 93.5 | |
| 33 | 1,528 | 46.48 | 46.1 | |
| 34 | 1,673 | 48.35 | 43.8 | |
| 35 | 1,741 | 55.45 | 48.3 | |
| 36 | 1,901 | 55.72 | 44.4 | |
| 37 | 2,029 | 40.24 | 30.1 | |
| 38 | 2,312 | 34.29 | 22.5 | |
| 39 | 2,520 | 46.26 | 27.8 | |
| 40 | 3,639 | 30.84 | 12.8 | |
| 41 | 4,367 | 26.85 | 9.3 | |
| 42 | 5,135 | 18.04 | 5.3 | |
| 43 | 6,510 | 21.54 | 5.0 | |
| 44 | 10,380 | 75.00 | 10.9 | Upper Marker |


Region table for sample 7 : SS02-SbfI-MluCI

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|---|
| 160 | 240 | 614.1 | 19 | 199 | 11.6 | 3,711.15 | 28,793.4 |  |
| 170 | 230 | 463.5 | 14 | 199 | 8.7 | 2,795.14 | 21,503.7 |  |
| 180 | 220 | 310.2 | 10 | 199 | 5.8 | 1,866.69 | 14,263.1 |  |
| 260 | 340 | 465.1 | 14 | 298 | 7.8 | 2,500.13 | 12,846.8 |  |
| 270 | 330 | 348.9 | 11 | 298 | 5.8 | 1,874.04 | 9,565.6 |  |
| 280 | 320 | 231.5 | 7 | 299 | 3.9 | 1,243.26 | 6,315.7 |  |
| 360 | 440 | 267.0 | 8 | 395 | 5.8 | 1,289.15 | 4,974.9 |  |
| 370 | 430 | 198.1 | 6 | 396 | 4.4 | 952.62 | 3,653.4 |  |
| 380 | 420 | 128.8 | 4 | 397 | 2.8 | 617.10 | 2,356.9 |  |
| 630 | 770 | 85.4 | 3 | 685 | 5.7 | 379.24 | 841.7 |  |

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Modified: 4/8/2014 2:46:30 PM



| | | | |
|------------------------|-------|---------------|-------|
| Number of peaks found: | 23 | Corr. Area 5: | 121.9 |
| Noise: | 0.3 | Corr. Area 6: | 163.9 |
| Corr. Area 1: | 124.4 | Corr. Area 7: | 47.3 |
| Corr. Area 2: | 187.9 | Corr. Area 8: | 71.2 |
| Corr. Area 3: | 250.4 | Corr. Area 9: | 96.2 |
| Corr. Area 4: | 81.0 | | |

| Peak | | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|---|-----------|---------------|-------------------|--------------|
| 1 |  | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | | 575 | 21.94 | 57.8 | |
| 3 | | 610 | 34.65 | 86.1 | |
| 4 | | 745 | 169.32 | 344.5 | |
| 5 | | 962 | 247.24 | 389.2 | |
| 6 | | 1,260 | 356.83 | 429.1 | |
| 7 | | 1,644 | 608.84 | 561.1 | |
| 8 | | 2,004 | 789.43 | 597.0 | |
| 9 | | 2,237 | 280.02 | 189.7 | |
| 10 | | 2,354 | 273.45 | 176.0 | |
| 11 | | 2,588 | 246.45 | 144.3 | |
| 12 | | 2,808 | 555.32 | 299.6 | |
| 13 | | 3,607 | 1,065.01 | 447.4 | |
| 14 | | 6,743 | 156.06 | 35.1 | |
| 15 | | 8,708 | 67.03 | 11.7 | |
| 16 | | 9,691 | 33.22 | 5.2 | |
| 17 | 10,380 | 75.00 | 10.9 | Upper Marker | |
| 18 | 12,642 | 0.00 | 0.0 | | |
| 19 | 13,626 | 0.00 | 0.0 | | |
| 20 | 15,102 | 0.00 | 0.0 | | |
| 21 | 16,479 | 0.00 | 0.0 | | |










Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
 Modified: 4/8/2014 2:46:30 PM

Electropherogram Summary Continued ...**... Peak table for sample 8 : SS02-SbfI-EcoRI**

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 22 | 18,003 | 0.00 | 0.0 | |
| 23 | 18,790 | 0.00 | 0.0 | |
| 24 | 19,479 | 0.00 | 0.0 | |
| 25 | 20,266 | 0.00 | 0.0 | |

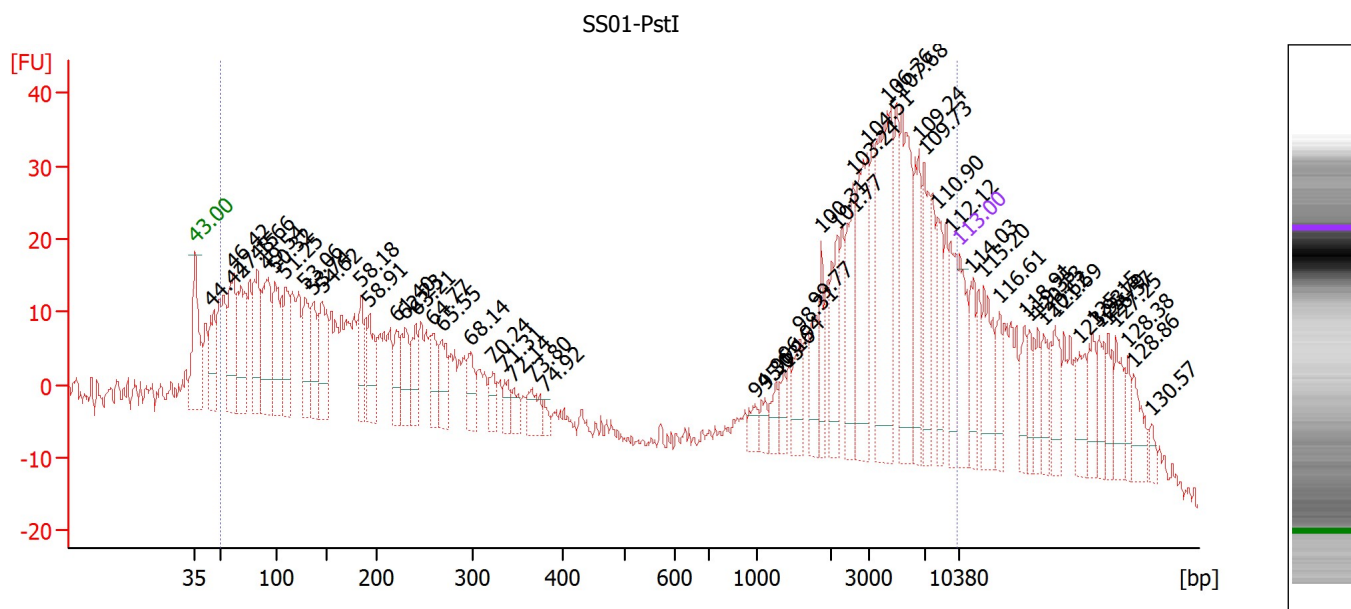
Region table for sample 8 : SS02-SbfI-EcoRI

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|---|
| 160 | 240 | 250.4 | 6 | 199 | 11.7 | 848.26 | 6,599.5 |  |
| 170 | 230 | 187.9 | 5 | 199 | 8.8 | 634.90 | 4,890.1 |  |
| 180 | 220 | 124.4 | 3 | 200 | 5.8 | 419.18 | 3,196.0 |  |
| 260 | 340 | 163.9 | 4 | 298 | 7.8 | 493.80 | 2,539.9 |  |
| 270 | 330 | 121.9 | 3 | 298 | 5.8 | 366.91 | 1,876.0 |  |
| 280 | 320 | 81.0 | 2 | 298 | 3.9 | 243.71 | 1,239.6 |  |
| 360 | 440 | 96.2 | 2 | 395 | 5.8 | 260.07 | 1,003.2 |  |
| 370 | 430 | 71.2 | 2 | 396 | 4.3 | 191.72 | 735.4 |  |
| 380 | 420 | 47.3 | 1 | 398 | 2.9 | 127.05 | 484.7 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
 Modified: 4/8/2014 2:46:30 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : SS01-PstI

Number of peaks found: 55 Corr. Area 1: 1,220.8
 Noise: 1.2

Peak table for sample 9 : SS01-PstI

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 44 | 123.75 | 4,228.0 | |
| 3 | 61 | 200.99 | 4,992.5 | |
| 4 | 68 | 183.59 | 4,088.9 | |
| 5 | 83 | 174.04 | 3,193.9 | |
| 6 | 91 | 206.52 | 3,438.5 | |
| 7 | 99 | 175.68 | 2,702.3 | |
| 8 | 108 | 131.09 | 1,830.8 | |
| 9 | 128 | 125.21 | 1,477.9 | |
| 10 | 136 | 101.83 | 1,135.4 | |
| 11 | 146 | 152.10 | 1,583.2 | |
| 12 | 185 | 92.69 | 758.6 | |
| 13 | 193 | 104.11 | 816.1 | |
| 14 | 221 | 63.88 | 437.1 | |
| 15 | 231 | 82.38 | 540.7 | |
| 16 | 242 | 70.41 | 441.0 | |
| 17 | 260 | 67.37 | 393.1 | |
| 18 | 269 | 71.60 | 404.0 | |
| 19 | 298 | 56.58 | 287.8 | |
| 20 | 323 | 37.07 | 173.7 | |
| 21 | 336 | 31.97 | 144.0 | |
| 22 | 346 | 28.71 | 125.6 | |
| 23 | 367 | 50.35 | 208.1 | |
| 24 | 380 | 13.01 | 51.9 | |
| 25 | 997 | 21.61 | 32.9 | |
| 26 | 1,114 | 19.34 | 26.3 | |


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
 Modified: 4/8/2014 2:46:30 PM

Electropherogram Summary Continued ...**... Peak table for sample 9 : SS01-PstI**

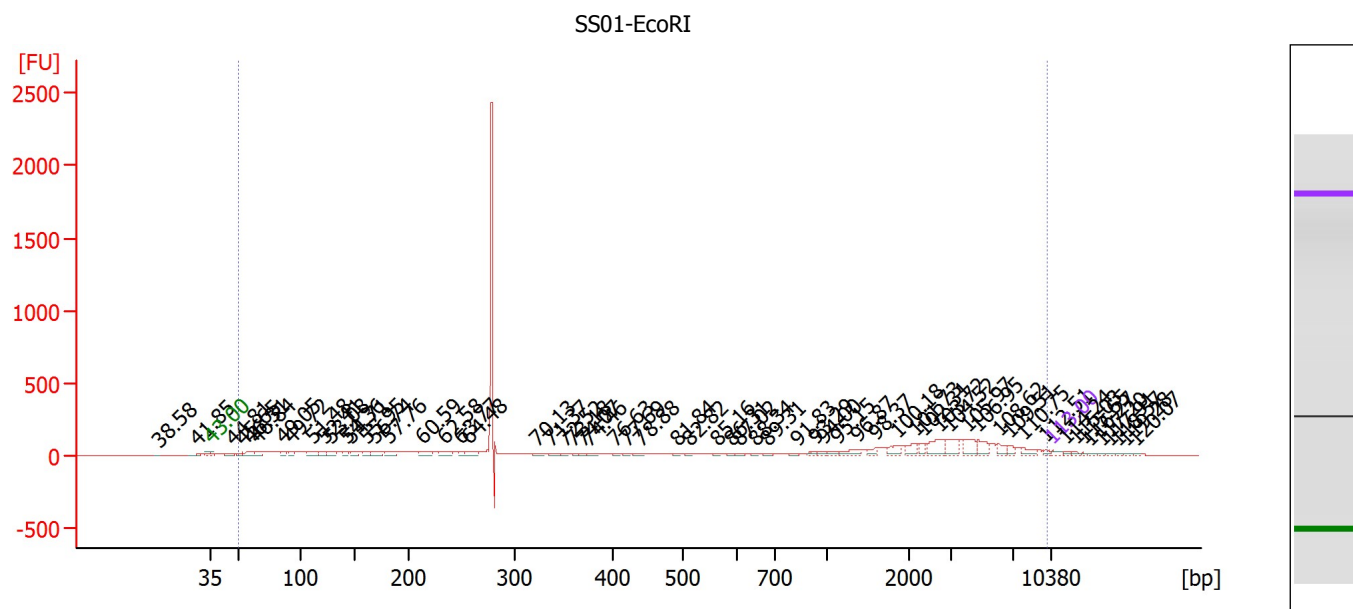
| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27 | 1,263 | 24.14 | 28.9 | |
| 28 | 1,377 | 25.41 | 28.0 | |
| 29 | 1,576 | 48.18 | 46.3 | |
| 30 | 1,790 | 44.41 | 37.6 | |
| 31 | 1,868 | 45.07 | 36.6 | |
| 32 | 2,159 | 83.05 | 58.3 | |
| 33 | 2,577 | 97.83 | 57.5 | |
| 34 | 2,940 | 140.77 | 72.6 | |
| 35 | 4,275 | 218.09 | 77.3 | |
| 36 | 5,296 | 161.99 | 46.3 | |
| 37 | 6,508 | 90.54 | 21.1 | |
| 38 | 6,886 | 80.29 | 17.7 | |
| 39 | 8,109 | 57.47 | 10.7 | |
| 40 | 9,429 | 57.25 | 9.2 | |
| 41 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 42 | 11,489 | 0.00 | 0.0 | |
| 43 | 12,757 | 0.00 | 0.0 | |
| 44 | 14,289 | 0.00 | 0.0 | |
| 45 | 16,771 | 0.00 | 0.0 | |
| 46 | 17,247 | 0.00 | 0.0 | |
| 47 | 18,092 | 0.00 | 0.0 | |
| 48 | 18,620 | 0.00 | 0.0 | |
| 49 | 19,782 | 0.00 | 0.0 | |
| 50 | 22,212 | 0.00 | 0.0 | |
| 51 | 23,532 | 0.00 | 0.0 | |
| 52 | 24,219 | 0.00 | 0.0 | |
| 53 | 25,064 | 0.00 | 0.0 | |
| 54 | 25,803 | 0.00 | 0.0 | |
| 55 | 27,018 | 0.00 | 0.0 | |
| 56 | 27,546 | 0.00 | 0.0 | |
| 57 | 29,395 | 0.00 | 0.0 | |

Region table for sample 9 : SS01-PstI

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|---|
| 50 | 10,000 | 1,220.8 | 78 | 2,634 | 100.0 | 5,276.11 | 42,890.2 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
 Modified: 4/8/2014 2:46:30 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : SS01-EcoRI**

Number of peaks found: 62 Corr. Area 1: 3,303.9
 Noise: 1.2

Peak table for sample 10 : SS01-EcoRI

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 20 | 0.00 | 0.0 | |
| 2 | 31 | 0.00 | 0.0 | |
| 3 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 4 | 47 | 254.52 | 8,211.4 | |
| 5 | 54 | 178.09 | 5,029.8 | |
| 6 | 60 | 279.90 | 7,066.7 | |
| 7 | 65 | 208.40 | 4,850.0 | |
| 8 | 86 | 229.03 | 4,019.9 | |
| 9 | 93 | 230.39 | 3,766.0 | |
| 10 | 111 | 338.41 | 4,616.0 | |
| 11 | 121 | 232.25 | 2,901.2 | |
| 12 | 129 | 232.11 | 2,735.0 | |
| 13 | 143 | 174.41 | 1,852.0 | |
| 14 | 147 | 210.08 | 2,171.5 | |
| 15 | 160 | 166.13 | 1,570.2 | |
| 16 | 169 | 315.82 | 2,829.0 | |
| 17 | 180 | 274.55 | 2,305.2 | |
| 18 | 212 | 271.55 | 1,939.3 | |
| 19 | 235 | 239.65 | 1,546.8 | |
| 20 | 248 | 118.34 | 722.1 | |
| 21 | 256 | 220.46 | 1,303.1 | |
| 22 | 322 | 88.87 | 418.1 | |
| 23 | 337 | 102.58 | 461.1 | |
| 24 | 351 | 48.18 | 208.0 | |
| 25 | 359 | 45.17 | 190.6 | |
| 26 | 370 | 47.95 | 196.5 | |


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
 Modified: 4/8/2014 2:46:30 PM

Electropherogram Summary Continued ...**... Peak table for sample 10 : SS01-EcoRI**

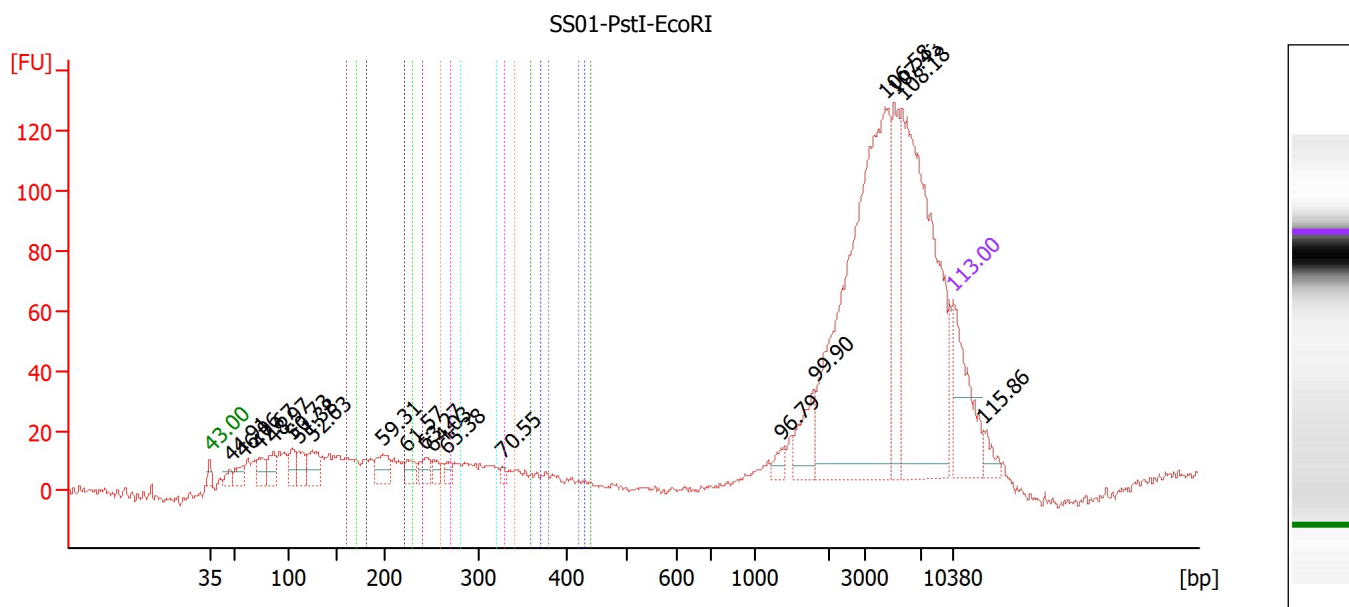
| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 27 | 375 | 65.95 | 266.8 | |
| 28 | 401 | 46.26 | 174.7 | |
| 29 | 420 | 44.37 | 160.2 | |
| 30 | 440 | 57.11 | 196.5 | |
| 31 | 492 | 30.83 | 95.0 | |
| 32 | 511 | 29.59 | 87.8 | |
| 33 | 562 | 26.66 | 71.9 | |
| 34 | 587 | 24.06 | 62.1 | |
| 35 | 603 | 33.31 | 83.7 | |
| 36 | 645 | 28.10 | 66.0 | |
| 37 | 675 | 39.56 | 88.8 | |
| 38 | 823 | 61.39 | 113.1 | |
| 39 | 925 | 67.24 | 110.1 | |
| 40 | 975 | 69.14 | 107.4 | |
| 41 | 1,116 | 87.81 | 119.2 | |
| 42 | 1,367 | 205.30 | 227.6 | |
| 43 | 1,586 | 129.45 | 123.7 | |
| 44 | 1,850 | 206.88 | 169.4 | |
| 45 | 2,147 | 242.54 | 171.1 | |
| 46 | 2,311 | 151.99 | 99.6 | |
| 47 | 2,715 | 479.97 | 267.8 | |
| 48 | 2,942 | 383.71 | 197.6 | |
| 49 | 3,974 | 345.40 | 131.7 | |
| 50 | 4,728 | 321.15 | 102.9 | |
| 51 | 6,030 | 180.03 | 45.2 | |
| 52 | 6,715 | 130.22 | 29.4 | |
| 53 | 7,941 | 152.08 | 29.0 | |
| 54 | 9,854 | 56.37 | 8.7 | |
| 55 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 56 | 11,719 | 0.00 | 0.0 | |
| 57 | 12,580 | 0.00 | 0.0 | |
| 58 | 13,249 | 0.00 | 0.0 | |
| 59 | 13,918 | 0.00 | 0.0 | |
| 60 | 14,923 | 0.00 | 0.0 | |
| 61 | 15,688 | 0.00 | 0.0 | |
| 62 | 16,405 | 0.00 | 0.0 | |
| 63 | 17,170 | 0.00 | 0.0 | |
| 64 | 18,031 | 0.00 | 0.0 | |

Region table for sample 10 : SS01-EcoRI

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|---|
| 50 | 10,000 | 3,303.9 | 94 | 1,953 | 100.0 | 14,566.43 | 96,827.1 |  |

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
 Modified: 4/8/2014 2:46:30 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : SS01-PstI-EcoRI**

| | | | |
|------------------------|------|---------------|-------|
| Number of peaks found: | 19 | Corr. Area 5: | 48.1 |
| Noise: | 1.0 | Corr. Area 6: | 63.3 |
| Corr. Area 1: | 6.2 | Corr. Area 7: | 52.4 |
| Corr. Area 2: | 10.2 | Corr. Area 8: | 76.9 |
| Corr. Area 3: | 14.0 | Corr. Area 9: | 101.3 |
| Corr. Area 4: | 31.6 | | |

Peak table for sample 11 : SS01-PstI-EcoRI

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1 | 35 | 125.00 | 5,411.3 | Lower Marker |
| 2 | 48 | 14.06 | 447.7 | |
| 3 | 58 | 23.96 | 630.6 | |
| 4 | 73 | 29.84 | 619.4 | |
| 5 | 86 | 34.20 | 605.9 | |
| 6 | 103 | 30.40 | 448.3 | |
| 7 | 110 | 28.12 | 387.5 | |
| 8 | 124 | 45.02 | 551.4 | |
| 9 | 198 | 36.23 | 277.7 | |
| 10 | 223 | 21.32 | 144.7 | |
| 11 | 243 | 22.89 | 142.9 | |
| 12 | 251 | 13.78 | 83.1 | |
| 13 | 267 | 12.44 | 70.7 | |
| 14 | 327 | 5.71 | 26.5 | |
| 15 | 1,356 | 10.35 | 11.6 | |
| 16 | 1,809 | 41.17 | 34.5 | |
| 17 | 4,442 | 471.29 | 160.8 | |
| 18 | 5,103 | 80.94 | 24.0 | |
| 19 | 5,687 | 347.40 | 92.6 | |
| 20 | 10,380 | 75.00 | 10.9 | Upper Marker |
| 21 | 13,475 | 0.00 | 0.0 | |










Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
 Modified: 4/8/2014 2:46:30 PM

Electropherogram Summary Continued ...

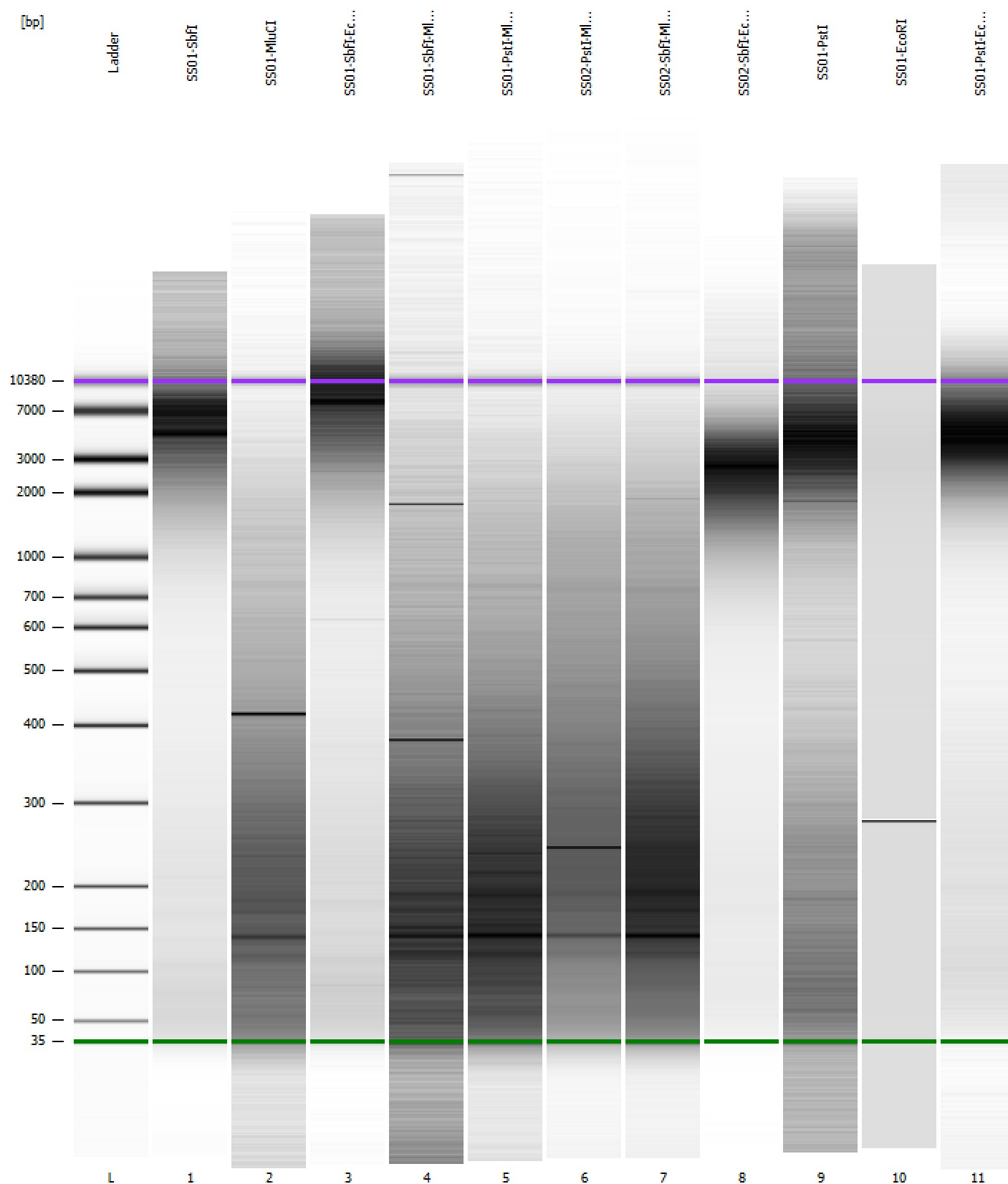
... Region table for sample 11 :

SS01-PstI-EcoRI

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|---|
| 160 | 240 | 101.3 | 7 | 198 | 11.6 | 155.16 | 1,210.6 |  |
| 170 | 230 | 76.9 | 5 | 199 | 8.6 | 117.32 | 902.9 |  |
| 180 | 220 | 52.4 | 3 | 199 | 5.7 | 79.81 | 610.6 |  |
| 260 | 340 | 63.3 | 4 | 295 | 7.7 | 86.28 | 446.6 |  |
| 270 | 330 | 48.1 | 3 | 297 | 5.8 | 65.50 | 335.4 |  |
| 280 | 320 | 31.6 | 2 | 298 | 3.9 | 43.01 | 218.7 |  |
| 360 | 440 | 14.0 | 1 | 384 | 4.9 | 17.26 | 68.3 |  |
| 370 | 430 | 10.2 | 1 | 389 | 3.9 | 12.46 | 48.6 |  |
| 380 | 420 | 6.2 | 0 | 393 | 2.7 | 7.52 | 29.0 |  |

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...14-01-08_surfclam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
Modified: 4/8/2014 2:46:30 PM

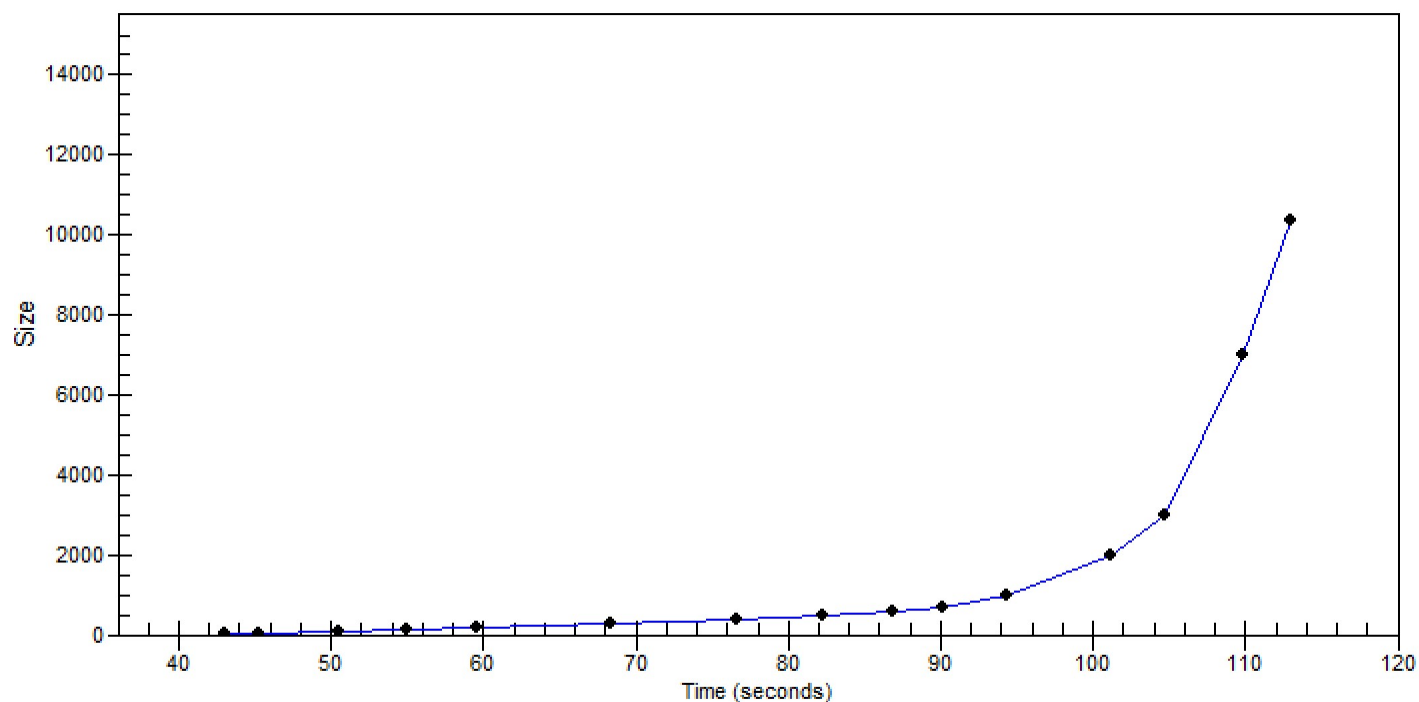
Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
Modified: 4/8/2014 2:46:30 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...14-01-08_surflam Edited_Pinsky_HS_DNA Assay_DE04103186.xad

Created: 1/8/2014 3:20:32 PM
 Modified: 4/8/2014 2:46:30 PM

Run Logbook

| Description | Number | Source | Category | Sub Category | Time | Time Zone | User | Host |
|--|--------|------------|----------|--------------|---------------------|-------------------------------------|--------|----------------|
| Run ended on port 4 (Number of wells acquired: 12) | | Instrument | Run | | 1/8/2014 4:01:51 PM | (GMT --05:00) Eastern Standard Time | Divino | Bioanalyzer-HP |
| Run started on port 4 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\Data\2014-01-08\pinsky2014-01-08_High Sensitivity DNA Assay_DE04103186_2014-01-08_15-20-32.xad) | | Instrument | Run | | 1/8/2014 3:20:37 PM | (GMT --05:00) Eastern Standard Time | Divino | Bioanalyzer-HP |
| Product Number : G2939A | | Instrument | Run | | 1/8/2014 3:20:37 PM | (GMT --05:00) Eastern Standard Time | Divino | Bioanalyzer-HP |
| Name : | | Instrument | Run | | 1/8/2014 3:20:37 PM | (GMT --05:00) Eastern Standard Time | Divino | Bioanalyzer-HP |
| Vendor : Agilent Technologies | | Instrument | Run | | 1/8/2014 3:20:37 PM | (GMT --05:00) Eastern Standard Time | Divino | Bioanalyzer-HP |
| Serial# : DE04103186 | | Instrument | Run | | 1/8/2014 3:20:37 PM | (GMT --05:00) Eastern Standard Time | Divino | Bioanalyzer-HP |
| Firmware : C.01.069 | | Instrument | Run | | 1/8/2014 3:20:37 PM | (GMT --05:00) Eastern Standard Time | Divino | Bioanalyzer-HP |
| Cartridge : Electrode | | Instrument | Run | | 1/8/2014 3:20:37 PM | (GMT --05:00) Eastern Standard Time | Divino | Bioanalyzer-HP |