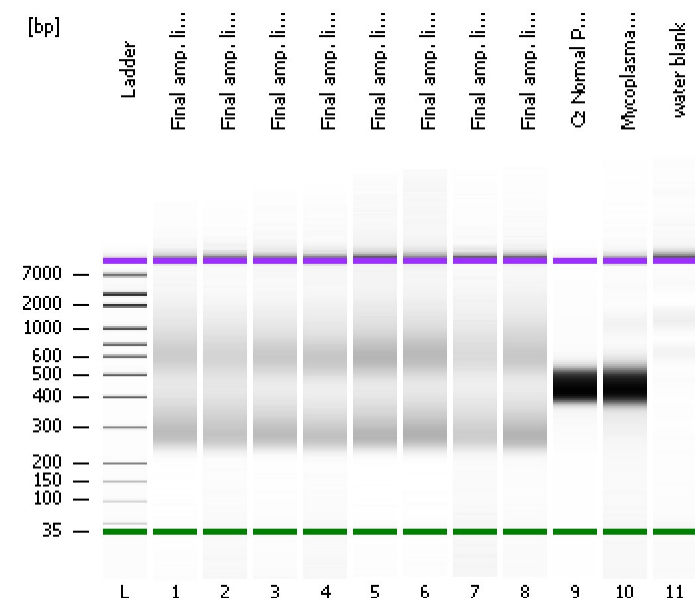


Assay Class: High Sensitivity DNA Assay  
Data Path: D:\...gh Sensitivity DNA Assay\_DE24802235\_2011-06-29\_12-30-10.xad

Created: 6/29/2011 12:30:09 PM  
Modified: 6/30/2011 11:30:03 AM

### Electrophoresis File Run Summary



#### Instrument Information:

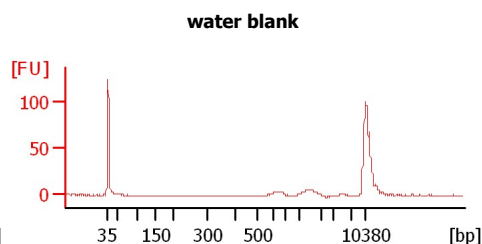
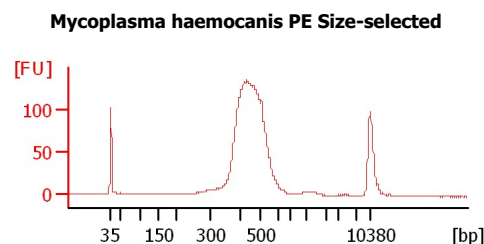
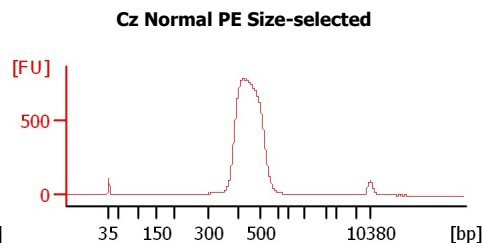
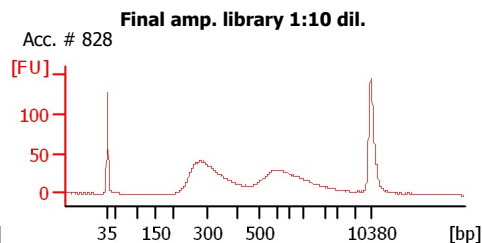
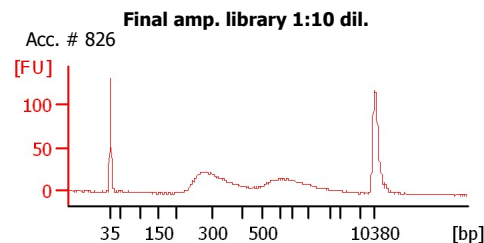
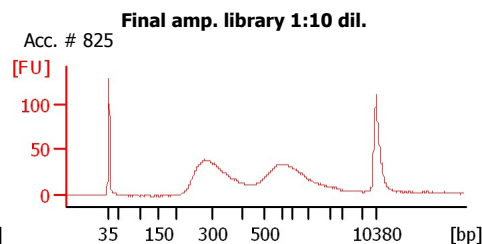
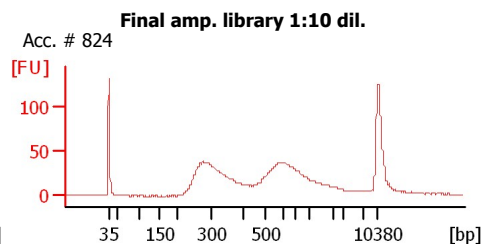
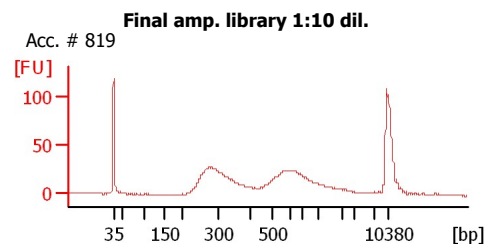
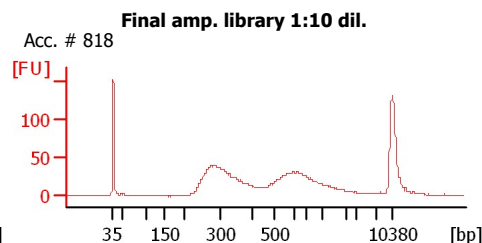
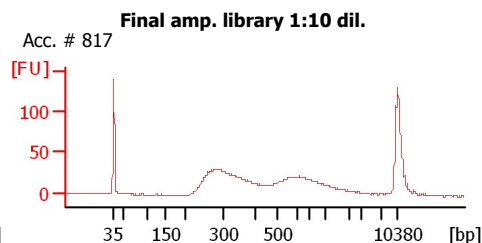
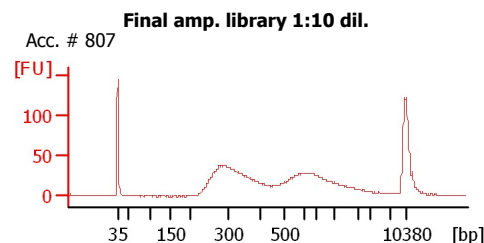
Instrument Name: Ann's baby  
Serial#: DE24802235  
Firmware: C.01.069  
Type: G2938B

#### Assay Information:

Assay Origin Path: D:\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: D:\...gh Sensitivity DNA Assay\_DE24802235\_2011-06-29\_12-30-10.xad

Created: 6/29/2011 12:30:09 PM  
Modified: 6/30/2011 11:30:03 AM

**Electrophoresis File Run Summary (Chip Summary)**

| Sample Name                            | Sample Comment | Rest. Digest             | Status                              | Observation | Result Label | Result Color |
|----------------------------------------|----------------|--------------------------|-------------------------------------|-------------|--------------|--------------|
| Final amp. library 1:10 dil.           | Acc. # 807     | <input type="checkbox"/> | <input checked="" type="checkbox"/> |             |              |              |
| Final amp. library 1:10 dil.           | Acc. # 817     | <input type="checkbox"/> | <input checked="" type="checkbox"/> |             |              |              |
| Final amp. library 1:10 dil.           | Acc. # 818     | <input type="checkbox"/> | <input checked="" type="checkbox"/> |             |              |              |
| Final amp. library 1:10 dil.           | Acc. # 819     | <input type="checkbox"/> | <input checked="" type="checkbox"/> |             |              |              |
| Final amp. library 1:10 dil.           | Acc. # 824     | <input type="checkbox"/> | <input checked="" type="checkbox"/> |             |              |              |
| Final amp. library 1:10 dil.           | Acc. # 825     | <input type="checkbox"/> | <input checked="" type="checkbox"/> |             |              |              |
| Final amp. library 1:10 dil.           | Acc. # 826     | <input type="checkbox"/> | <input checked="" type="checkbox"/> |             |              |              |
| Final amp. library 1:10 dil.           | Acc. # 828     | <input type="checkbox"/> | <input checked="" type="checkbox"/> |             |              |              |
| Cz Normal PE Size-selected             |                | <input type="checkbox"/> | <input checked="" type="checkbox"/> |             |              |              |
| Mycoplasma haemocanis PE Size-selected |                | <input type="checkbox"/> | <input checked="" type="checkbox"/> |             |              |              |
| water blank                            |                | <input type="checkbox"/> | <input checked="" type="checkbox"/> |             |              |              |
| Ladder                                 |                | <input type="checkbox"/> | <input checked="" type="checkbox"/> |             |              |              |

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

Assay Class: High Sensitivity DNA Assay  
Data Path: D:\...gh Sensitivity DNA Assay\_DE24802235\_2011-06-29\_12-30-10.xad

Created: 6/29/2011 12:30:09 PM  
Modified: 6/30/2011 11:30:03 AM

## Electrophoresis Assay Details

### General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12  
Minimum Visible Range [s] : 32  
Maximum Visible Range [s] : 138  
Start Analysis Time Range [s] : 33  
End Analysis Time Range [s] : 137.5  
Ladder Concentration [pg/ $\mu$ l] : 1950  
Uses Standard Area for Ladder Fragments  
Lower Marker Concentration [pg/ $\mu$ l] : 125  
Upper Marker Concentration [pg/ $\mu$ 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] : 60  
Area Threshold : 0.1  
Width Threshold [s] : 0.6  
Baseline Plateau [s] : 0.5

### Filter Settings

Filter Width [s] : 0.5  
Polynomial Order : 4

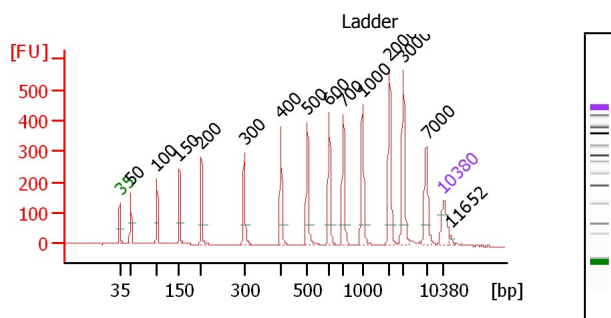
### Ladder

| 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: D:\...gh Sensitivity DNA Assay\_DE24802235\_2011-06-29\_12-30-10.xad

Created: 6/29/2011 12:30:09 PM  
 Modified: 6/30/2011 11:30:03 AM

### Electropherogram Summary



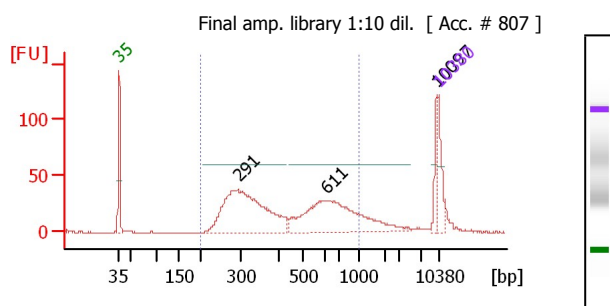
#### Overall Results for Ladder

Noise: 0.2

#### 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  |

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 14   | 7,000     | 150.00        | 32.5              | Ladder Peak  |
| 15   | 10,380    | 75.00         | 10.9              | Upper Marker |
| 16   | 11,652    | 0.00          | 0.0               |              |



#### Overall Results for sample 1

Number of peaks found: 3  
 Noise: 0.3  
 Corr. Area 1: 918.1

#### Region table for sample 1

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 200       | 1,000   | 918.1      | 81         | 462               | 40.9                        | 1,008.89      | 4,100.6           | Blue  |

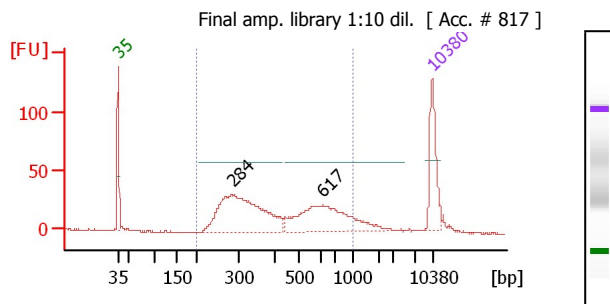
Assay Class: High Sensitivity DNA Assay  
 Data Path: D:\...gh Sensitivity DNA Assay\_DE24802235\_2011-06-29\_12-30-10.xad

Created: 6/29/2011 12:30:09 PM  
 Modified: 6/30/2011 11:30:03 AM

### Electropherogram Summary Continued ...

#### Peak table for sample 1

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 291       | 724.42        | 3,776.5           |              |
| 3    | 611       | 457.92        | 1,135.2           |              |
| 4    | 10,097    | 63.20         | 9.5               |              |
| 5    | 10,380    | 75.00         | 10.9              | Upper Marker |



#### Overall Results for sample 2

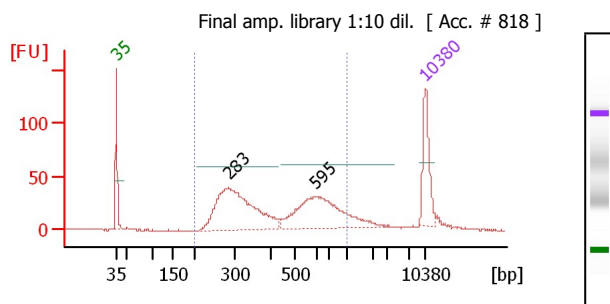
Number of peaks found: 2  
 Noise: 0.4  
 Corr. Area 1: 803.7

#### Region table for sample 2

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 200       | 1,000   | 803.7      | 89         | 453               | 40.7                        | 472.22        | 1,947.2           | Blue  |

#### Peak table for sample 2

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 284       | 358.15        | 1,914.0           |              |
| 3    | 617       | 190.71        | 468.6             |              |
| 4    | 10,380    | 75.00         | 10.9              | Upper Marker |



#### Overall Results for sample 3

Number of peaks found: 2  
 Noise: 0.4  
 Corr. Area 1: 947.2

#### Region table for sample 3

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 200       | 1,000   | 947.2      | 88         | 462               | 40.8                        | 532.37        | 2,175.2           | Blue  |

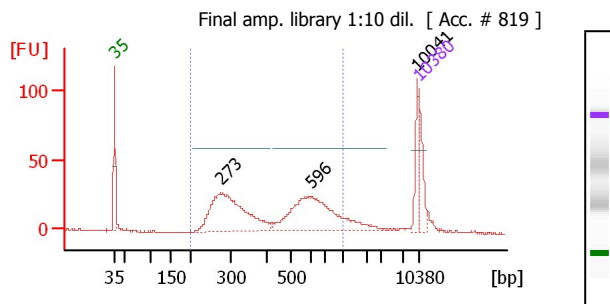
Assay Class: High Sensitivity DNA Assay  
 Data Path: D:\...gh Sensitivity DNA Assay\_DE24802235\_2011-06-29\_12-30-10.xad

Created: 6/29/2011 12:30:09 PM  
 Modified: 6/30/2011 11:30:03 AM

### Electropherogram Summary Continued ...

#### Peak table for sample 3

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 283       | 359.39        | 1,927.4           |              |
| 3    | 595       | 207.25        | 527.6             |              |
| 4    | 10,380    | 75.00         | 10.9              | Upper Marker |



#### Overall Results for sample 4

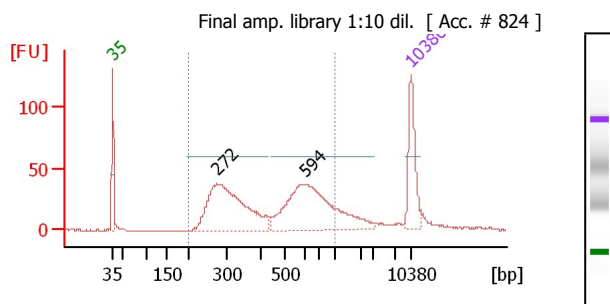
Number of peaks found: 3  
 Noise: 0.5  
 Corr. Area 1: 673.0

#### Region table for sample 4

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 200       | 1,000   | 673.0      | 78         | 471               | 40.2                        | 740.08        | 2,994.0           | Blue  |

#### Peak table for sample 4

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 273       | 471.48        | 2,615.9           |              |
| 3    | 596       | 326.81        | 830.4             |              |
| 4    | 10,041    | 55.97         | 8.4               |              |
| 5    | 10,380    | 75.00         | 10.9              | Upper Marker |



#### Overall Results for sample 5

Number of peaks found: 2  
 Noise: 0.4  
 Corr. Area 1: 979.0

#### Region table for sample 5

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 200       | 1,000   | 979.0      | 84         | 478               | 40.2                        | 541.48        | 2,157.5           | Blue  |

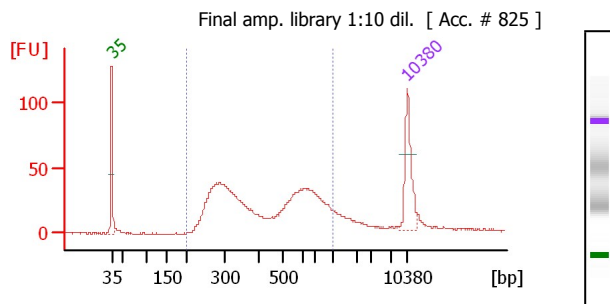
Assay Class: High Sensitivity DNA Assay  
 Data Path: D:\...gh Sensitivity DNA Assay\_DE24802235\_2011-06-29\_12-30-10.xad

Created: 6/29/2011 12:30:09 PM  
 Modified: 6/30/2011 11:30:03 AM

### Electropherogram Summary Continued ...

#### Peak table for sample 5

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 272       | 363.33        | 2,020.6           |              |
| 3    | 594       | 275.08        | 701.5             |              |
| 4    | 10,380    | 75.00         | 10.9              | Upper Marker |



#### Overall Results for sample 6

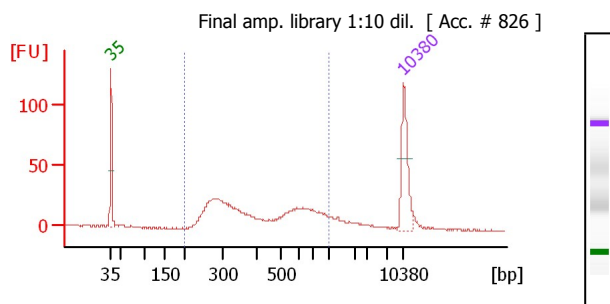
Number of peaks found: 0  
 Noise: 0.5  
 Corr. Area 1: 950.9

#### Region table for sample 6

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 200       | 1,000   | 950.9      | 87         | 470               | 41.0                        | 652.30        | 2,638.8           | Blue  |

#### Peak table for sample 6

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 10,380    | 75.00         | 10.9              | Upper Marker |



#### Overall Results for sample 7

Number of peaks found: 0  
 Noise: 0.6  
 Corr. Area 1: 541.6

#### Region table for sample 7

| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 200       | 1,000   | 541.6      | 86         | 458               | 42.2                        | 327.59        | 1,356.8           | Blue  |

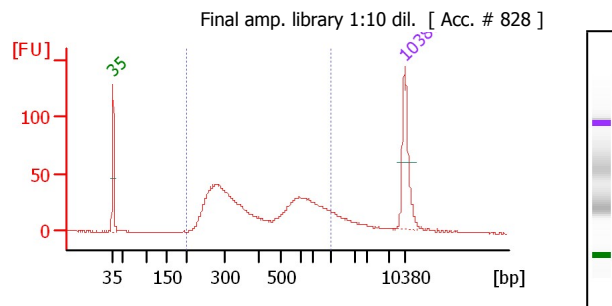
Assay Class: High Sensitivity DNA Assay  
 Data Path: D:\...gh Sensitivity DNA Assay\_DE24802235\_2011-06-29\_12-30-10.xad

Created: 6/29/2011 12:30:09 PM  
 Modified: 6/30/2011 11:30:03 AM

### Electropherogram Summary Continued ...

#### Peak table for sample 7

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 10,380    | 75.00         | 10.9              | Upper Marker |



#### Overall Results for sample 8

Number of peaks found: 0  
 Noise: 0.5  
 Corr. Area 1: 991.4

#### Region table for sample 8

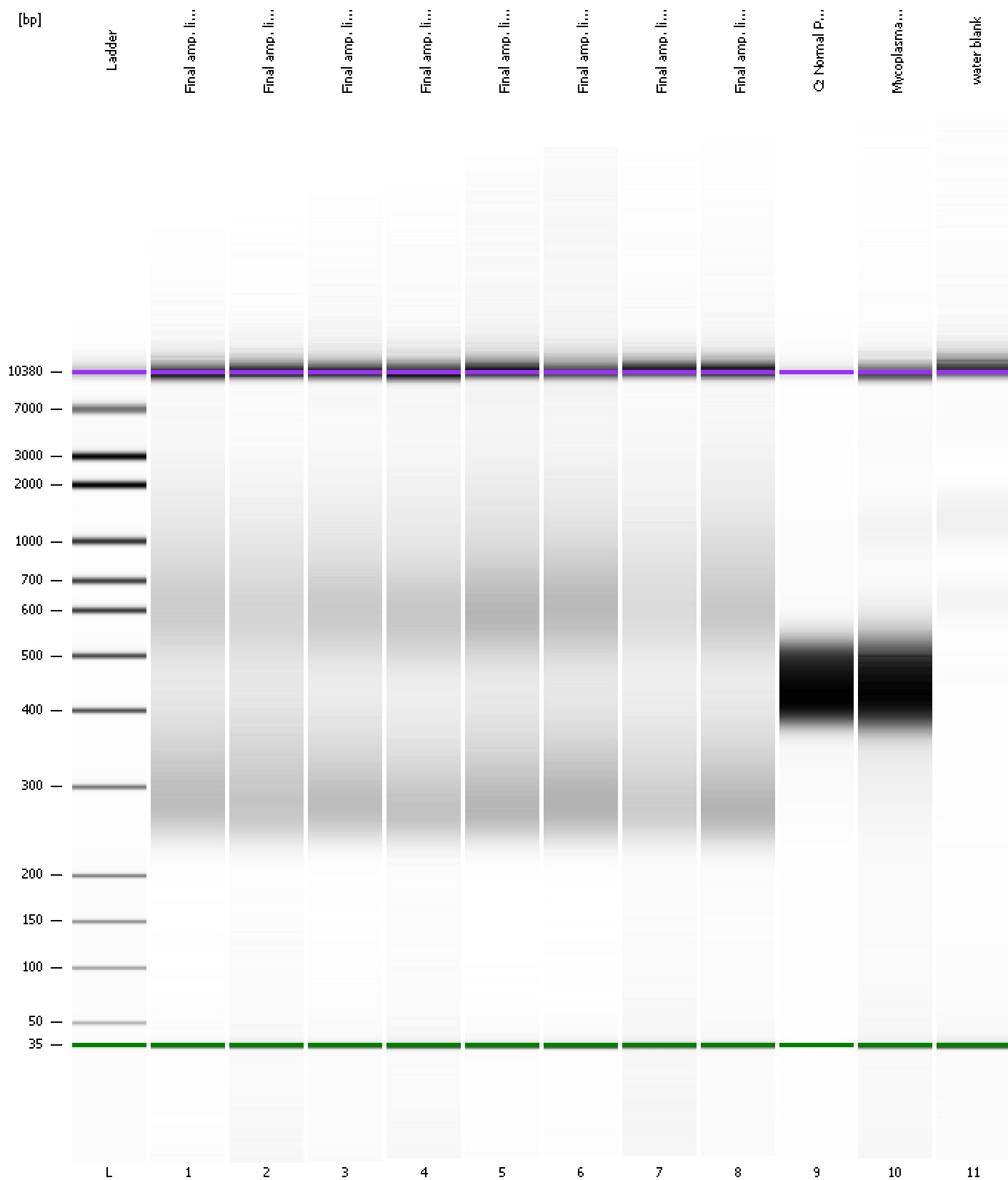
| From [bp] | To [bp] | Corr. Area | % of Total | Average Size [bp] | Size distribution in CV [%] | Conc. [pg/μl] | Molarity [pmol/l] | Color |
|-----------|---------|------------|------------|-------------------|-----------------------------|---------------|-------------------|-------|
| 200       | 1,000   | 991.4      | 84         | 459               | 42.7                        | 517.48        | 2,161.0           | Blue  |

#### Peak table for sample 8

| Peak | Size [bp] | Conc. [pg/μl] | Molarity [pmol/l] | Observations |
|------|-----------|---------------|-------------------|--------------|
| 1    | 35        | 125.00        | 5,411.3           | Lower Marker |
| 2    | 10,380    | 75.00         | 10.9              | Upper Marker |

Assay Class: High Sensitivity DNA Assay  
Data Path: D:\...gh Sensitivity DNA Assay\_DE24802235\_2011-06-29\_12-30-10.xad

Created: 6/29/2011 12:30:09 PM  
Modified: 6/30/2011 11:30:03 AM

**Gel Image**

Assay Class: High Sensitivity DNA Assay  
Data Path: D:\...gh Sensitivity DNA Assay\_DE24802235\_2011-06-29\_12-30-10.xad

Created: 6/29/2011 12:30:09 PM  
Modified: 6/30/2011 11:30:03 AM

## Curves

### Standard Curve

