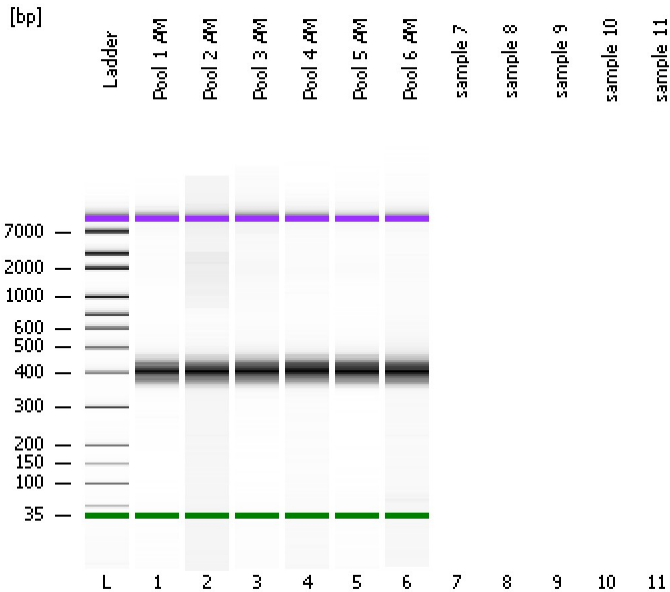


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06_004.xad

Created: 2/6/2014 2:26:30 PM
Modified: 2/6/2014 2:54:17 PM

Electrophoresis File Run Summary



Instrument Information:

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

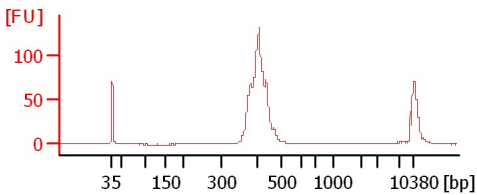
Assay Information:

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

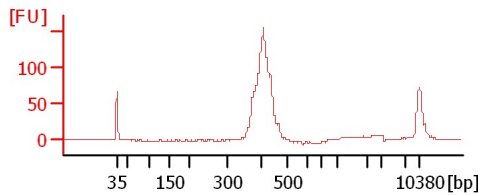
Chip Information:

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

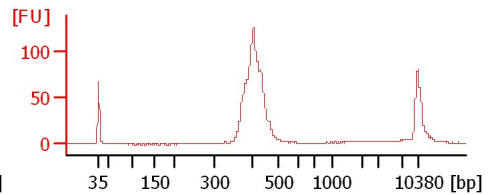
Pool 1 AM



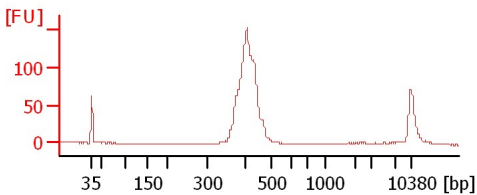
Pool 2 AM



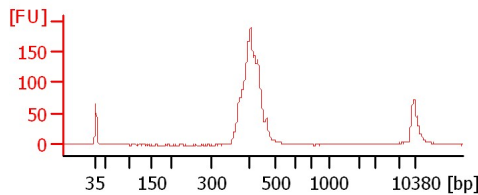
Pool 3 AM



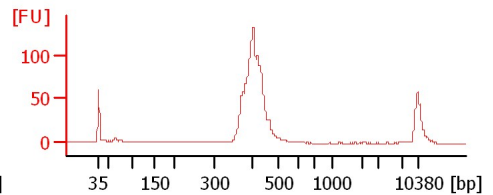
Pool 4 AM



Pool 5 AM



Pool 6 AM



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06_004.xad

Created: 2/6/2014 2:26:30 PM
 Modified: 2/6/2014 2:54:17 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Pool 1 AM		<input type="checkbox"/>	✓			
Pool 2 AM		<input type="checkbox"/>	✓			
Pool 3 AM		<input type="checkbox"/>	✓			
Pool 4 AM		<input type="checkbox"/>	✓			
Pool 5 AM		<input type="checkbox"/>	✓			
Pool 6 AM		<input type="checkbox"/>	✓			
sample 7		<input type="checkbox"/>				
sample 8		<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\2014-02-06\2014-02-06_004.xad

Created: 2/6/2014 2:26:30 PM
Modified: 2/6/2014 2:54:17 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

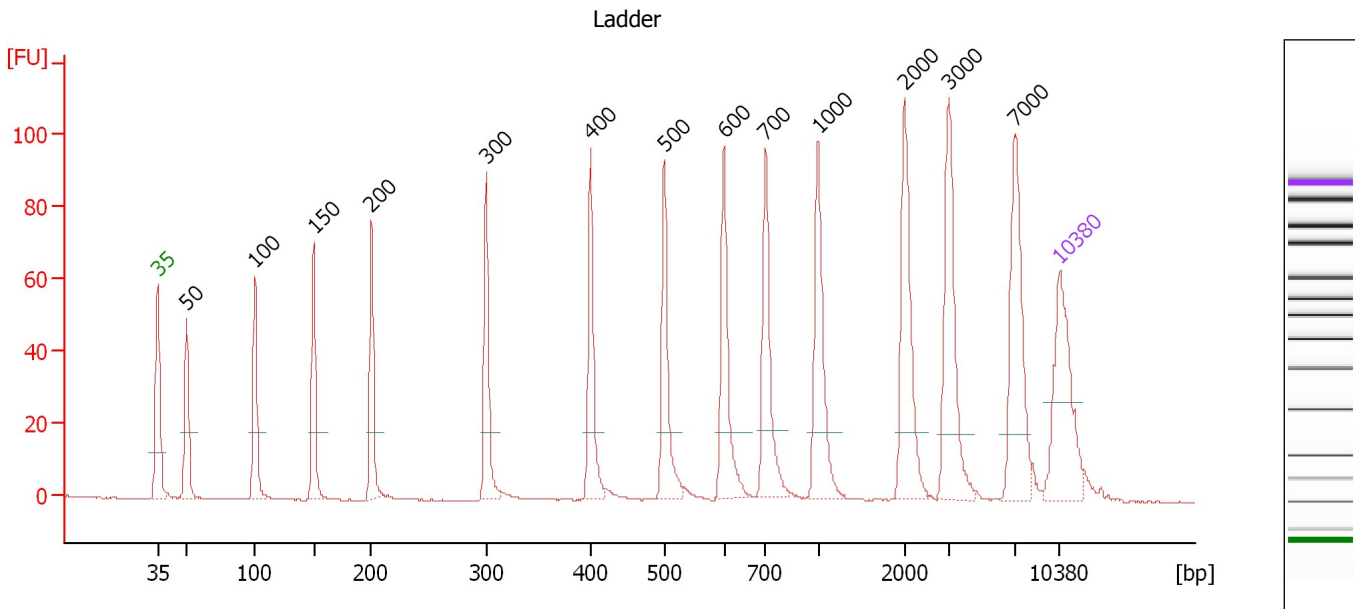
Ladder

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\2014-02-06\2014-02-06_004.xad

Created: 2/6/2014 2:26:30 PM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

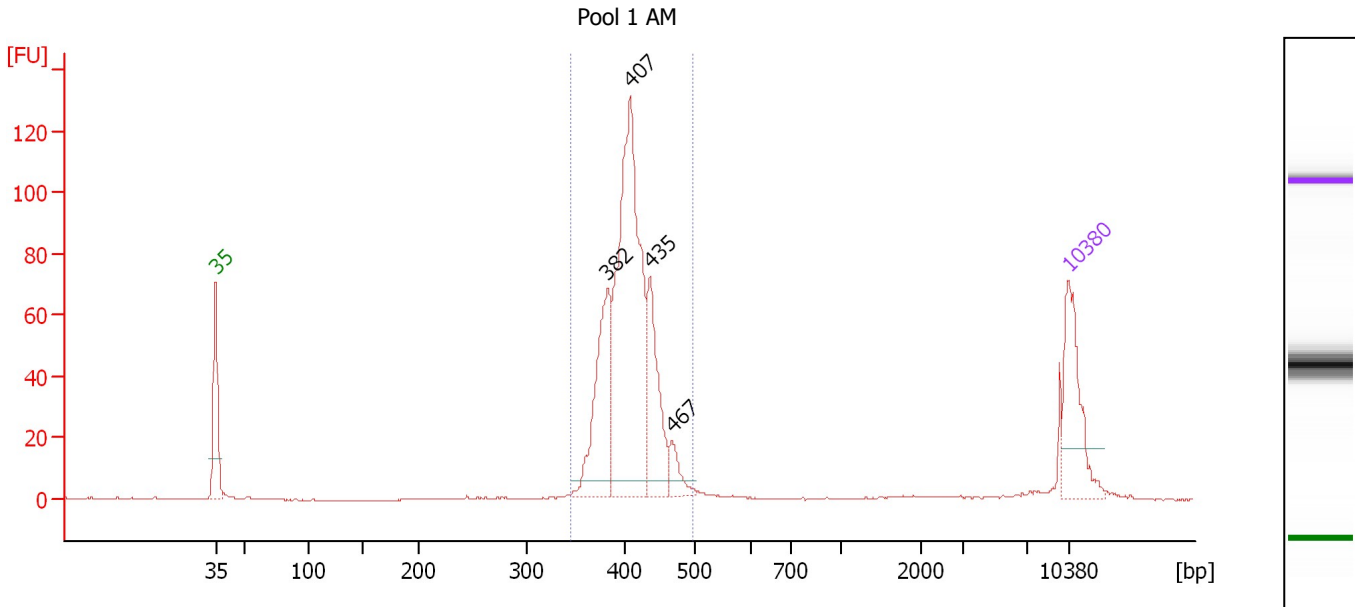
Peak table for Ladder

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	45.27	50	150.00	4,545.5	Ladder Peak
3	50.56	100	150.00	2,272.7	Ladder Peak
4	55.11	150	150.00	1,515.2	Ladder Peak
5	59.61	200	150.00	1,136.4	Ladder Peak
6	68.53	300	150.00	757.6	Ladder Peak
7	76.62	400	150.00	568.2	Ladder Peak
8	82.35	500	150.00	454.5	Ladder Peak
9	86.99	600	150.00	378.8	Ladder Peak
10	90.22	700	150.00	324.7	Ladder Peak
11	94.29	1,000	150.00	227.3	Ladder Peak
12	100.98	2,000	150.00	113.6	Ladder Peak
13	104.43	3,000	150.00	75.8	Ladder Peak
14	109.63	7,000	150.00	32.5	Ladder Peak
15	113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06_004.xad

Created: 2/6/2014 2:26:30 PM
 Modified: 2/6/2014 2:54:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Pool 1 AM

Number of peaks found: 4 Corr. Area 1: 628.9
 Noise: 0.2

Peak table for sample 1 : Pool 1 AM

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	75.18	382	153.29	607.8	
3	77.02	407	391.07	1,456.4	
4	78.63	435	109.99	383.0	
5	80.47	467	26.06	84.5	
6	113.00	10,380	75.00	10.9	Upper Marker

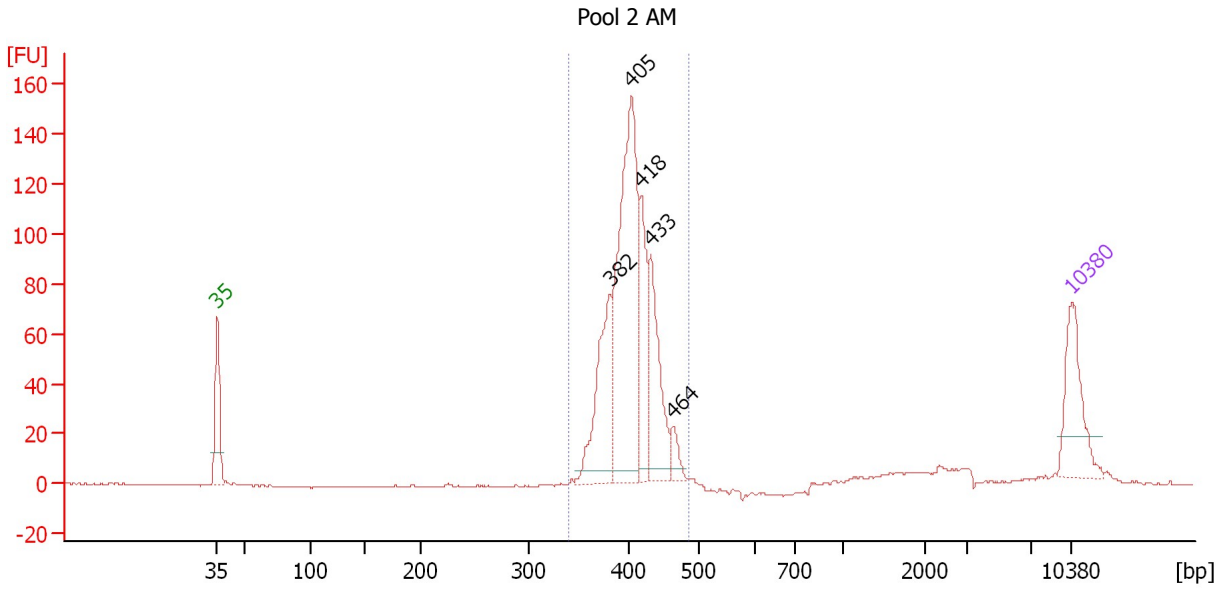
Region table for sample 1 : Pool 1 AM

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
345	497	408	2,582.7	693.20	628.9	93	6.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06_004.xad

Created: 2/6/2014 2:26:30 PM
 Modified: 2/6/2014 2:54:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Pool 2 AM

Number of peaks found: 5 Corr. Area 1: 757.9
 Noise: 0.3

Peak table for sample 2 : Pool 2 AM

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	75.14	382	155.76	618.3	
3	76.93	405	373.46	1,395.9	
4	77.67	418	111.95	405.5	
5	78.50	433	125.03	437.7	
6	80.29	464	22.11	72.2	
7	113.00	10,380	75.00	10.9	Upper Marker

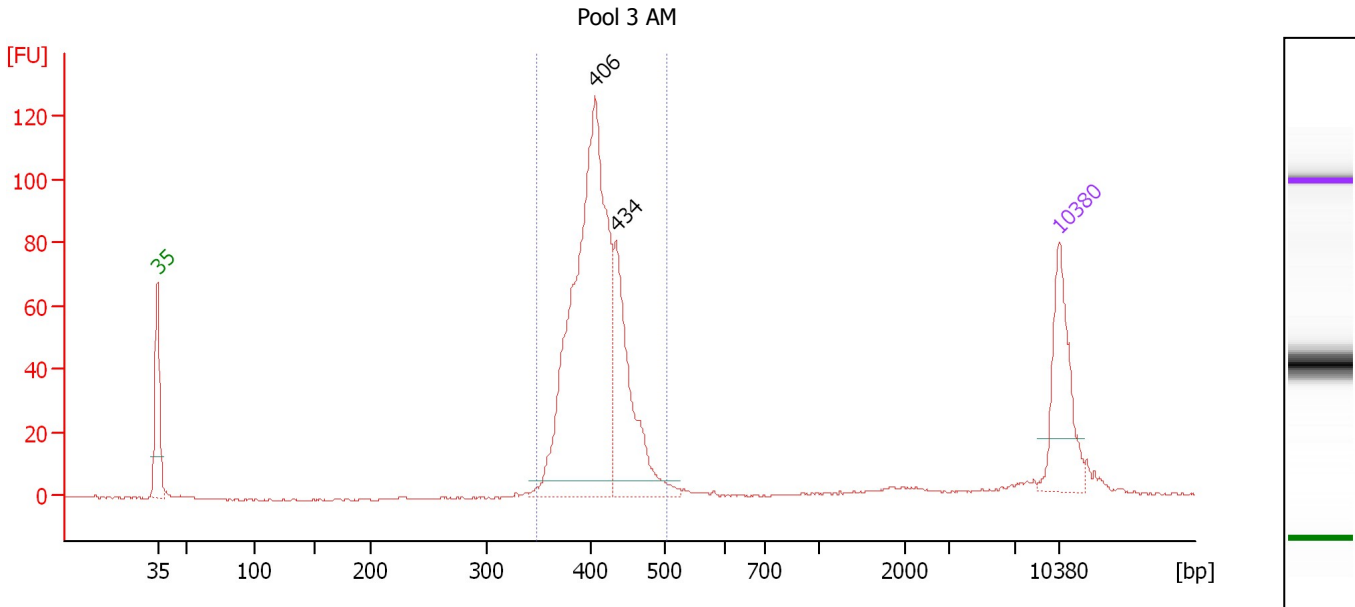
Region table for sample 2 : Pool 2 AM

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
339	488	407	3,008.4	805.21	757.9	91	6.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06_004.xad

Created: 2/6/2014 2:26:30 PM
 Modified: 2/6/2014 2:54:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Pool 3 AM

Number of peaks found: 2 Corr. Area 1: 657.7
 Noise: 0.3

Peak table for sample 3 : Pool 3 AM

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	76.98	406	493.86	1,842.3	
3	78.58	434	157.00	547.9	
4	113.00	10,380	75.00	10.9	Upper Marker

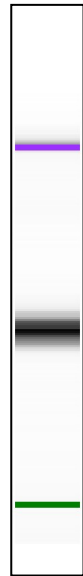
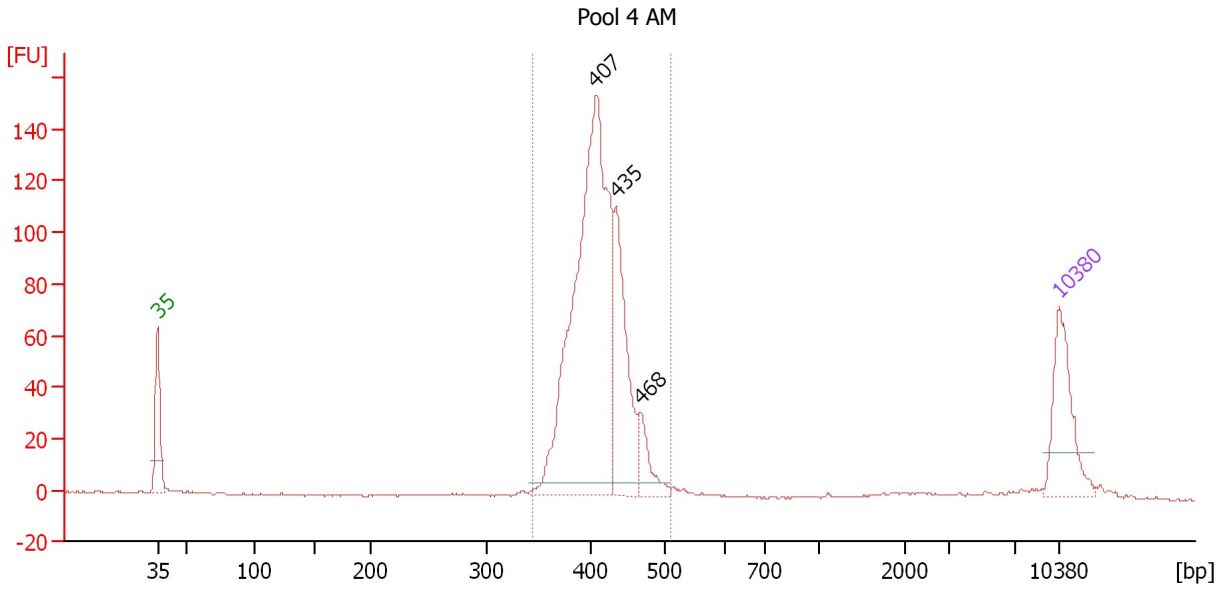
Region table for sample 3 : Pool 3 AM

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
349	504	411	2,399.7	648.22	657.7	91	6.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06_004.xad

Created: 2/6/2014 2:26:30 PM
 Modified: 2/6/2014 2:54:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Pool 4 AM

Number of peaks found: 3 Corr. Area 1: 834.8
 Noise: 0.4

Peak table for sample 4 : Pool 4 AM

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	77.02	407	607.00	2,259.7	
3	78.61	435	167.09	582.3	
4	80.52	468	41.84	135.5	
5	113.00	10,380	75.00	10.9	Upper Marker

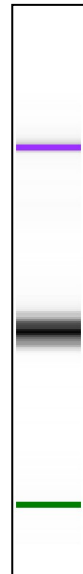
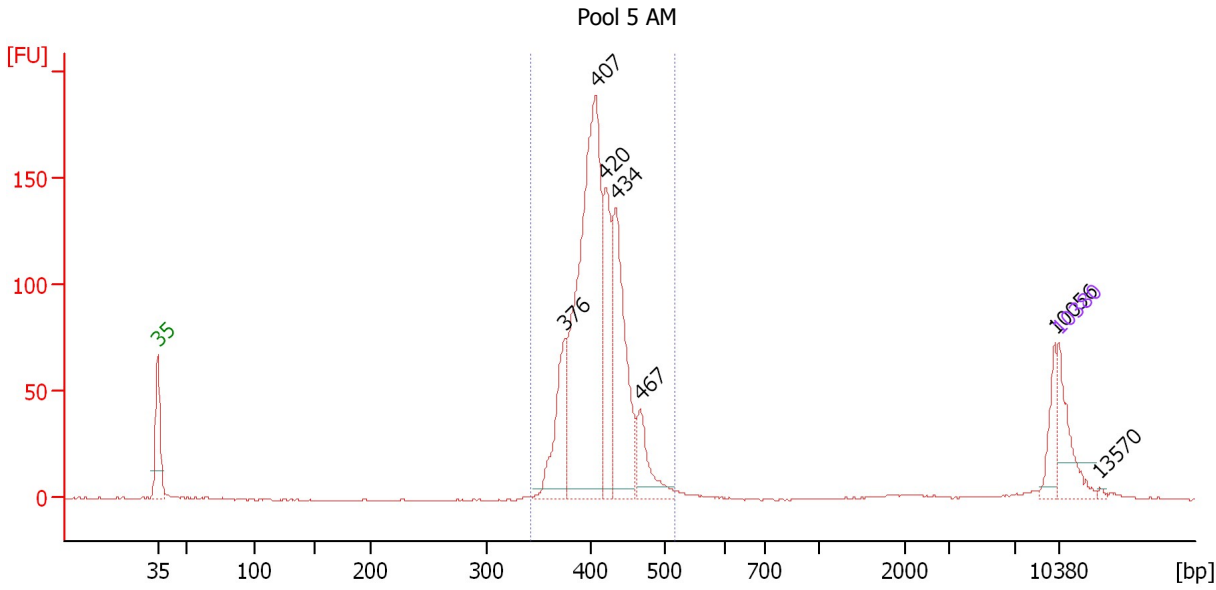
Region table for sample 4 : Pool 4 AM

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
344	511	413	3,037.4	823.68	834.8	95	6.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06_004.xad

Created: 2/6/2014 2:26:30 PM
 Modified: 2/6/2014 2:54:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Pool 5 AM

Number of peaks found: 7 Corr. Area 1: 1,006.2
 Noise: 0.3

Peak table for sample 5 : Pool 5 AM

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	74.68	376	172.76	696.1	
3	77.03	407	744.76	2,771.4	
4	77.77	420	190.59	687.5	
5	78.60	434	314.85	1,097.9	
6	80.49	467	89.05	288.6	
7	112.68	10,056	45.46	6.8	
8	113.00	10,380	75.00	10.9	Upper Marker
9	116.18	13,570	0.00	0.0	

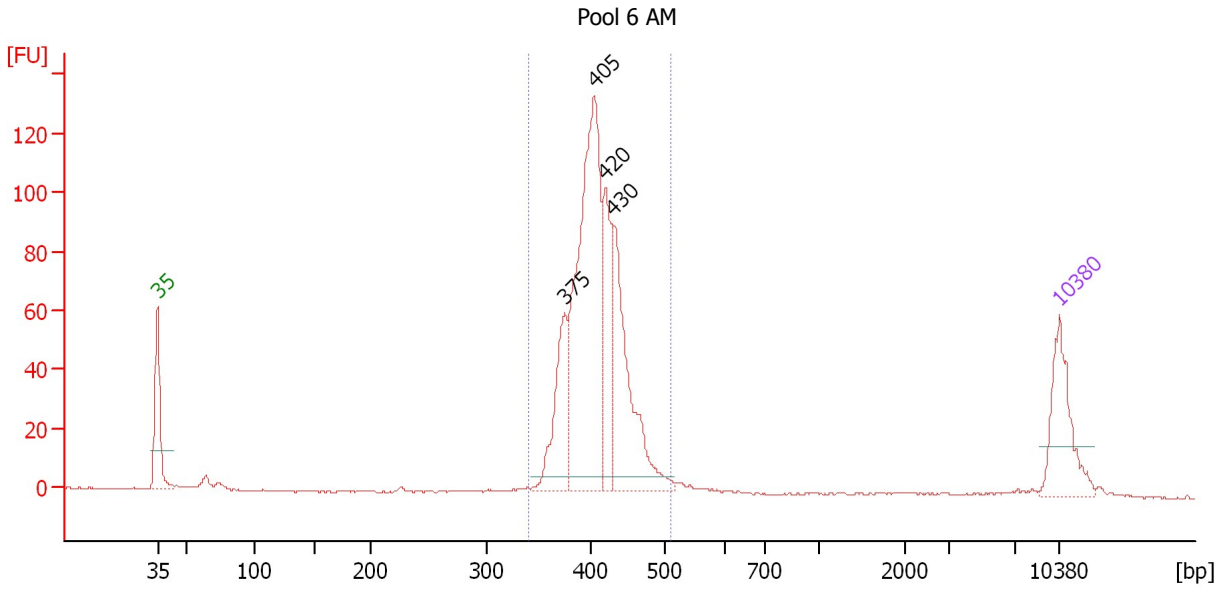
Region table for sample 5 : Pool 5 AM

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
343	517	413	5,629.2	1,525.52	1,006.2	91	7.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06_004.xad

Created: 2/6/2014 2:26:30 PM
 Modified: 2/6/2014 2:54:17 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Pool 6 AM

Number of peaks found: 4 Corr. Area 1: 726.2
 Noise: 0.3

Peak table for sample 6 : Pool 6 AM

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	74.64	375	115.45	465.9	
3	76.93	405	409.89	1,532.4	
4	77.77	420	111.34	401.7	
5	78.33	430	209.12	737.3	
6	113.00	10,380	75.00	10.9	Upper Marker

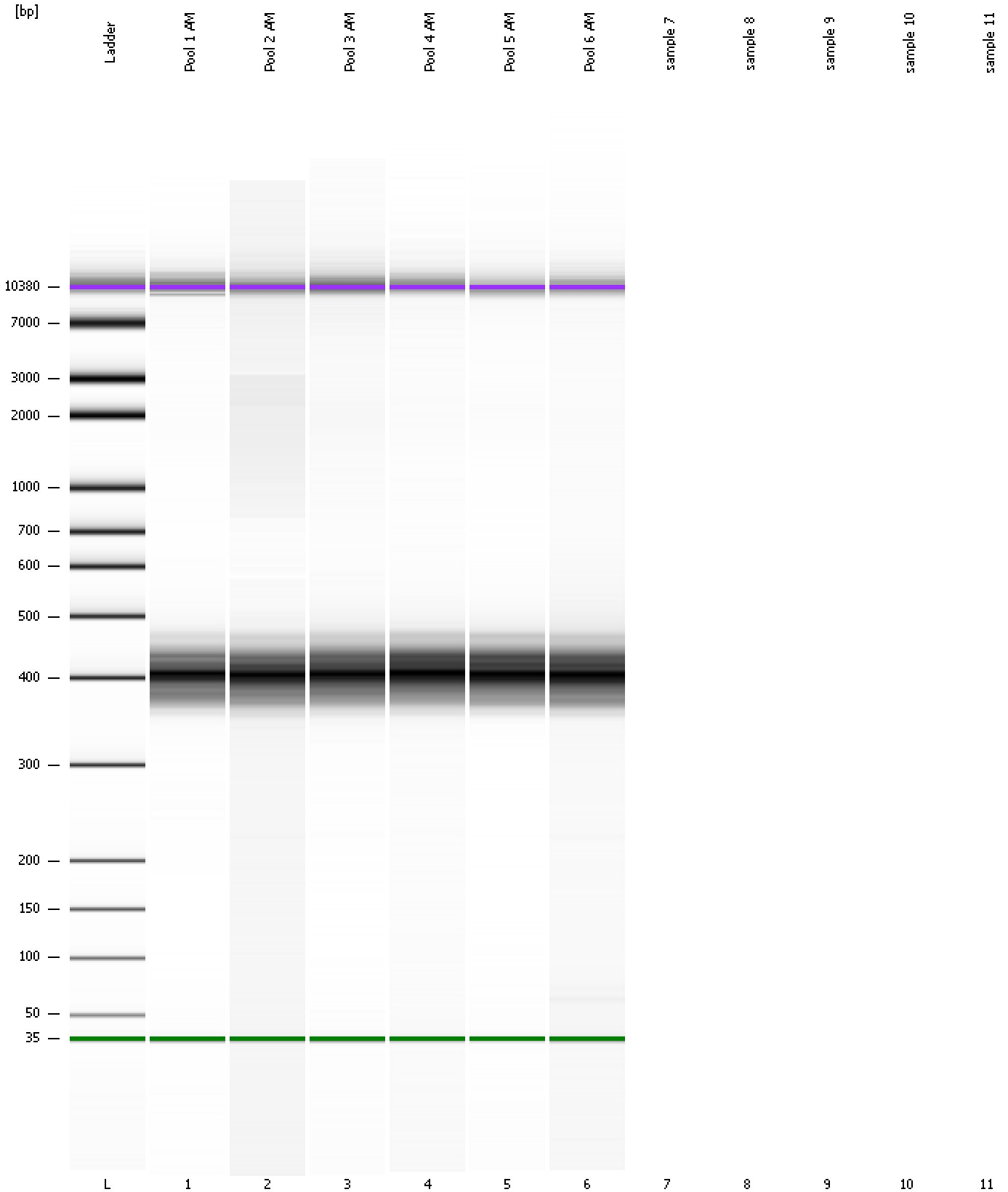
Region table for sample 6 : Pool 6 AM

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
341	511	411	3,201.8	863.29	726.2	91	7.2	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06_004.xad

Created: 2/6/2014 2:26:30 PM
Modified: 2/6/2014 2:54:17 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-06\2014-02-06_004.xad

Created: 2/6/2014 2:26:30 PM
Modified: 2/6/2014 2:54:17 PM

Invalid Samples

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

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.