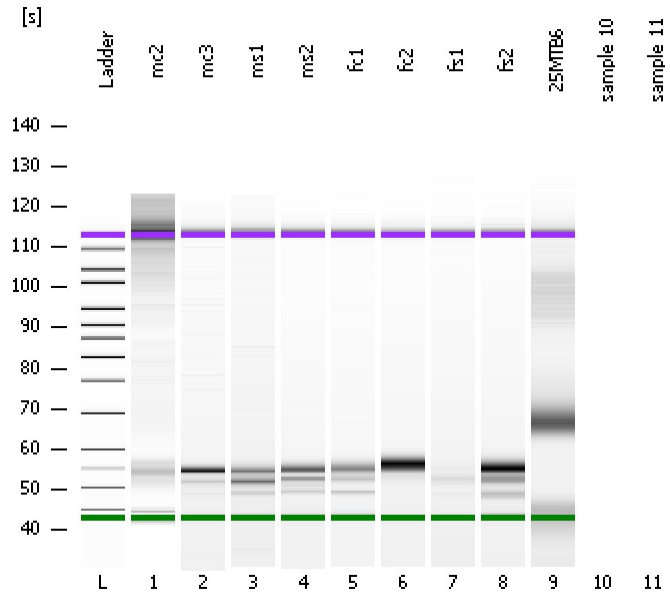


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...r\2100 expert\Data\2014-06-06\2014-06-06\2014-06-06\_001.xad

Created: 6/6/2014 2:13:54 PM  
Modified: 6/6/2014 2:48:46 PM

### Electrophoresis File Run Summary



#### Instrument Information:

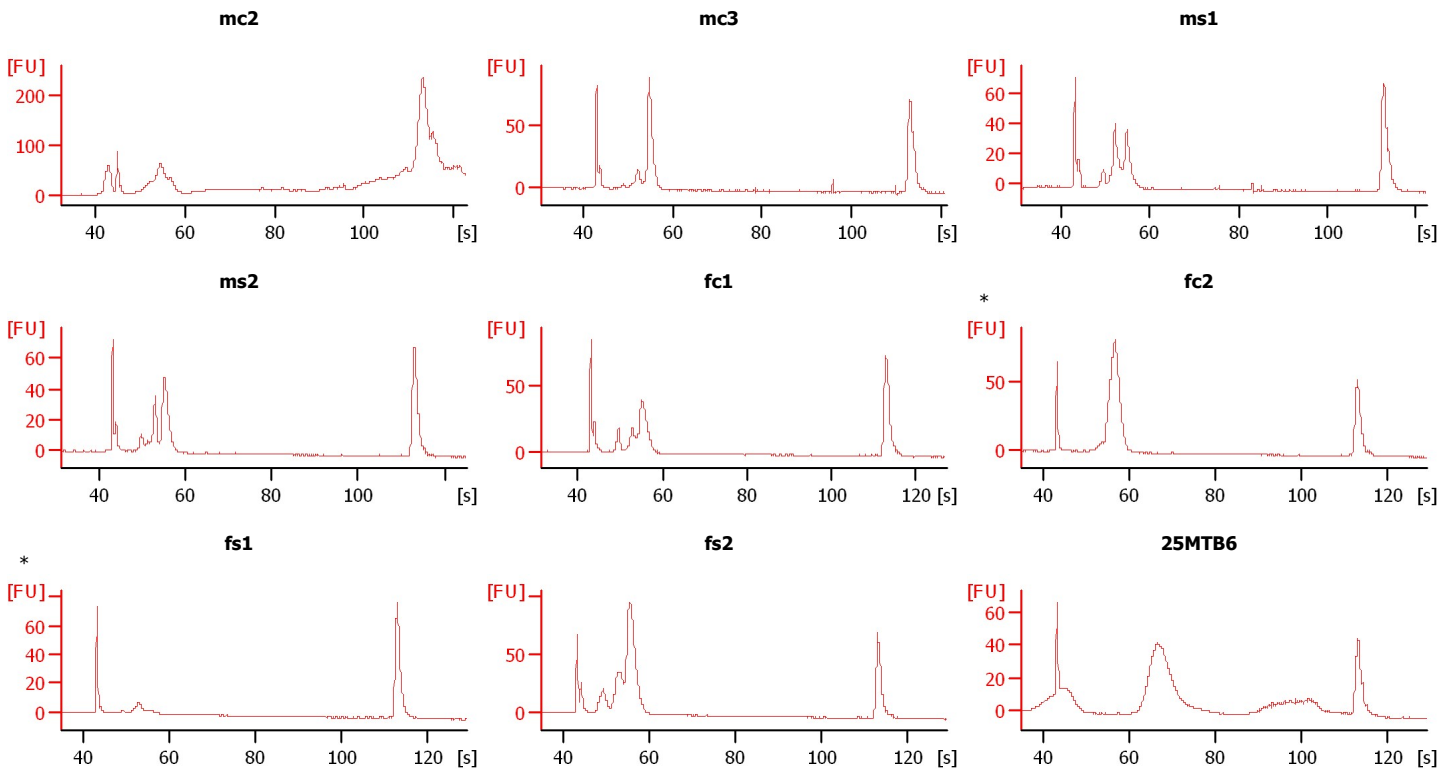
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

#### 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:



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r\2100 expert\Data\2014-06-06\2014-06-06\_001.xad

Created: 6/6/2014 2:13:54 PM  
 Modified: 6/6/2014 2:48:46 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
mc2		<input type="checkbox"/>	✓			
mc3		<input type="checkbox"/>	✓			
ms1		<input type="checkbox"/>	✓			
ms2		<input type="checkbox"/>	✓			
fc1		<input type="checkbox"/>	✓			
fc2	*	<input type="checkbox"/>	✓			
fs1	*	<input type="checkbox"/>	✓			
fs2		<input type="checkbox"/>	✓			
25MTB6		<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:\...r\2100 expert\Data\2014-06-06\2014-06-06\2014-06-06\_001.xad

Created: 6/6/2014 2:13:54 PM  
Modified: 6/6/2014 2:48:46 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

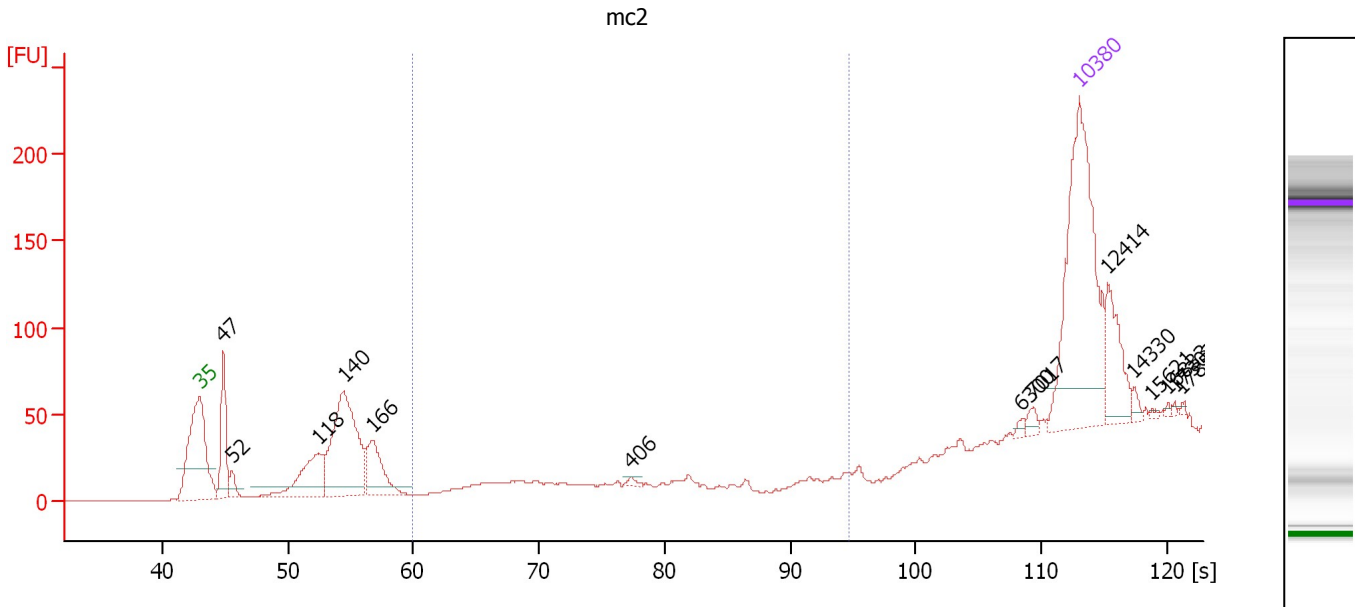
**Ladder**

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:\...r\2100 expert\Data\2014-06-06\2014-06-06\2014-06-06\_001.xad

Created: 6/6/2014 2:13:54 PM  
 Modified: 6/6/2014 2:48:46 PM

**Electropherogram Summary**



**Overall Results for sample 1 : mc2**

Number of peaks found: 14                      Corr. Area 1: 0.0  
 Noise: 0.3

**Peak table for sample 1 : mc2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	47	33.94	1,090.4	
3	52	6.83	198.1	
4	118	39.01	500.8	
5	140	92.36	998.6	
6	166	29.55	270.4	
7	406	1.44	5.4	
8	6,300	1.22	0.3	
9	7,017	2.59	0.6	
10	10,380	75.00	10.9	Upper Marker
11	12,414	0.00	0.0	
12	14,330	0.00	0.0	
13	15,621	0.00	0.0	
14	16,833	0.00	0.0	
15	17,303	0.00	0.0	
16	17,850	0.00	0.0	

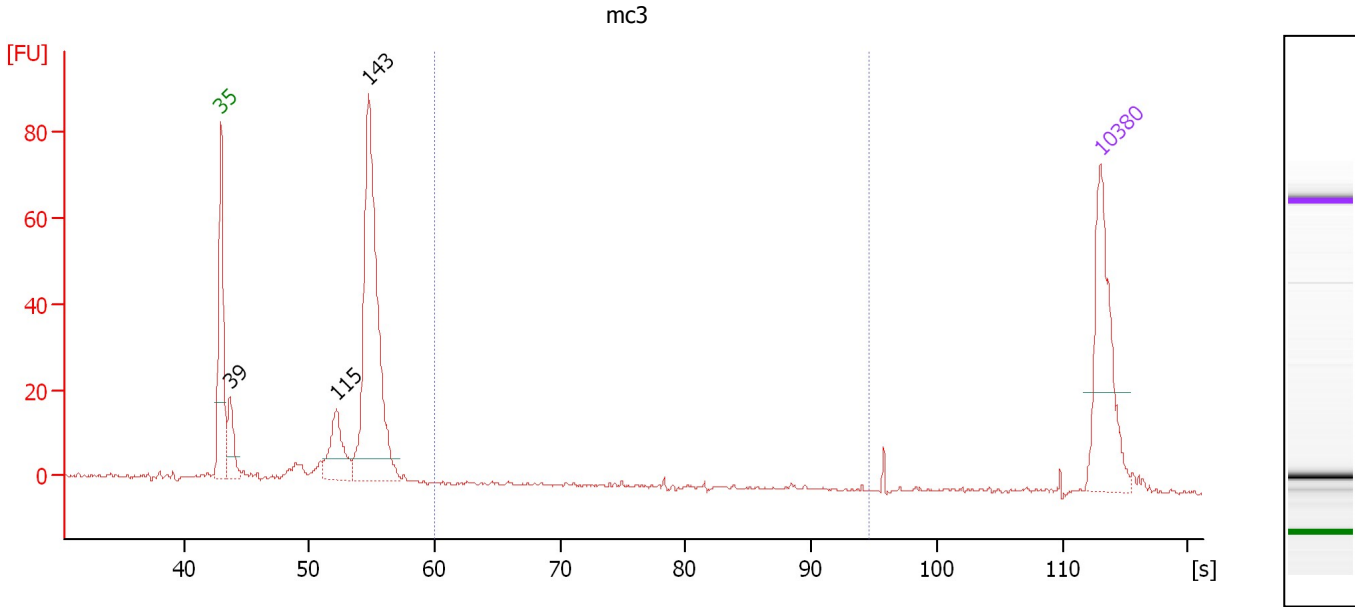
**Region table for sample 1 : mc2**

From [s]	To [s]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co lor	Corr. Area % of Total	Size distribution in CV [%]
59.96	94.62	0	0.0	0.00	0.0	0	0.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r\2100 expert\Data\2014-06-06\2014-06-06\2014-06-06\_001.xad

Created: 6/6/2014 2:13:54 PM  
 Modified: 6/6/2014 2:48:46 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : mc3**

Number of peaks found: 3                      Corr. Area 1: 1.0  
 Noise: 0.4

**Peak table for sample 2 : mc3**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	39	43.22	1,661.1	
3	115	61.14	803.3	
4	143	312.69	3,302.9	
5	10,380	75.00	10.9	Upper Marker

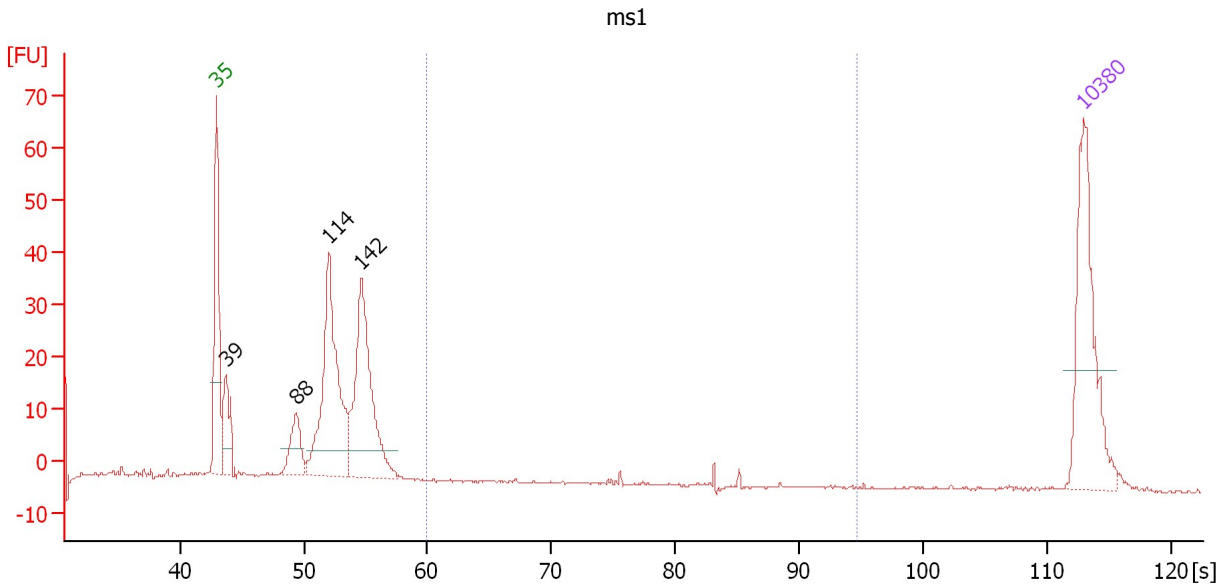
**Region table for sample 2 : mc3**

From [s]	To [s]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co lor	Corr. Area % of Total	Size distribution in CV [%]
59.96	94.62	504	3.7	1.08	1.0	0	33.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r\2100 expert\Data\2014-06-06\2014-06-06\2014-06-06\_001.xad

Created: 6/6/2014 2:13:54 PM  
 Modified: 6/6/2014 2:48:46 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : ms1**

Number of peaks found: 4                      Corr. Area 1: 19.2  
 Noise: 0.2

**Peak table for sample 3 : ms1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	39	45.76	1,755.8	
3	88	36.37	627.2	
4	114	176.53	2,339.6	
5	142	156.96	1,670.5	
6	10,380	75.00	10.9	Upper Marker

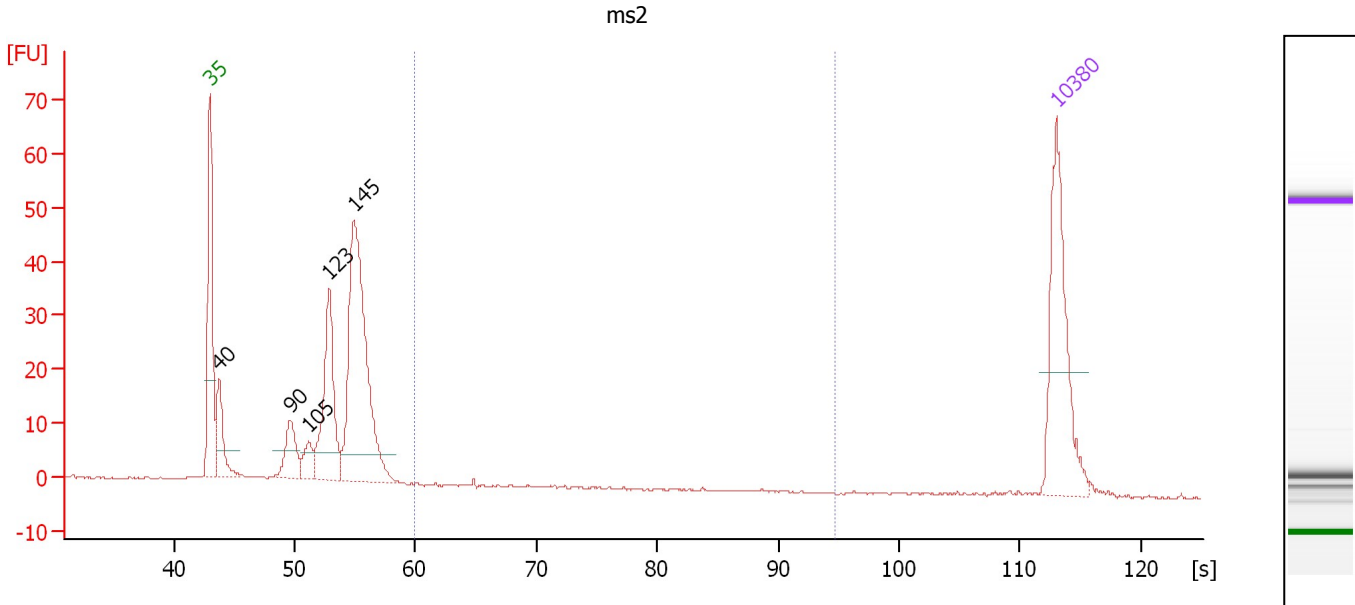
**Region table for sample 3 : ms1**

From [s]	To [s]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co lor	Corr. Area	% of Total	Size distribution CV [%]
59.96	94.62	409	97.4	21.17	■	19.2	5	42.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r\2100 expert\Data\2014-06-06\2014-06-06\2014-06-06\_001.xad

Created: 6/6/2014 2:13:54 PM  
 Modified: 6/6/2014 2:48:46 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : ms2**

Number of peaks found: 5                      Corr. Area 1: 0.3  
 Noise: 0.2

**Peak table for sample 4 : ms2**

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	40	47.82	1,816.8	
3	90	39.01	658.7	
4	105	19.05	275.5	
5	123	111.33	1,371.7	
6	145	245.12	2,561.5	
7	10,380	75.00	10.9	Upper Marker

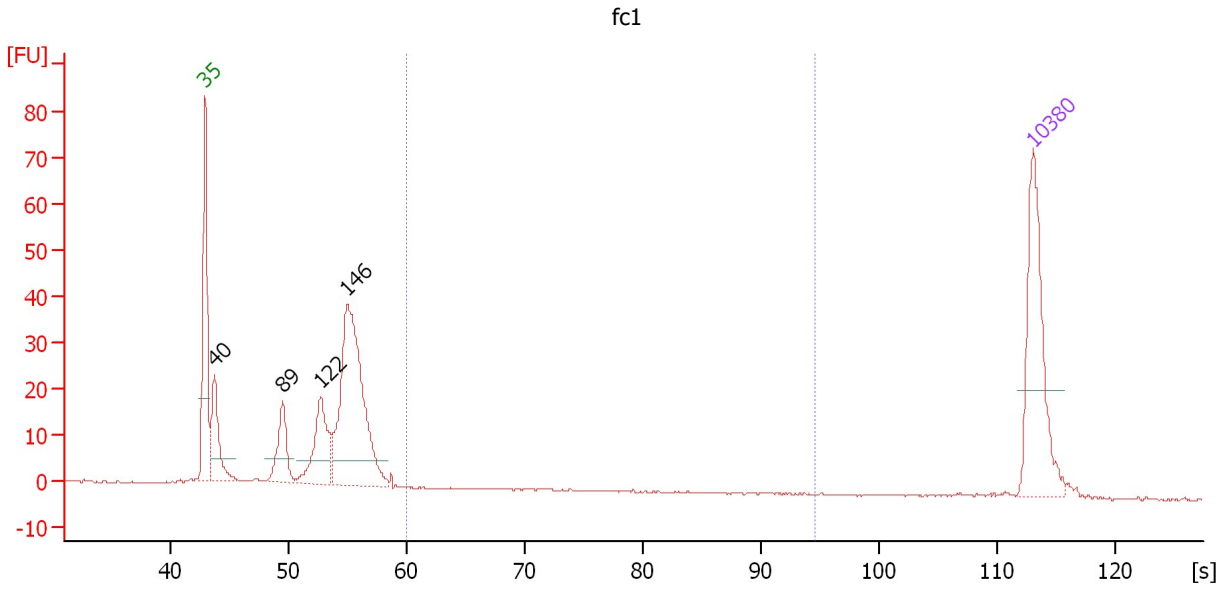
**Region table for sample 4 : ms2**

From [s]	To [s]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Co lor	Corr. Area % of Total	Size distribution in CV [%]
59.96	94.62	266	2.1	0.36	0.3	0	17.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r\2100 expert\Data\2014-06-06\2014-06-06\2014-06-06\_001.xad

Created: 6/6/2014 2:13:54 PM  
 Modified: 6/6/2014 2:48:46 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : fc1**

Number of peaks found: 4                      Corr. Area 1: 0.3  
 Noise: 0.1

**Peak table for sample 5 : fc1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	40	62.17	2,338.0	
3	89	48.16	816.0	
4	122	72.98	906.7	
5	146	231.23	2,392.4	
6	10,380	75.00	10.9	Upper Marker

**Region table for sample 5 : fc1**

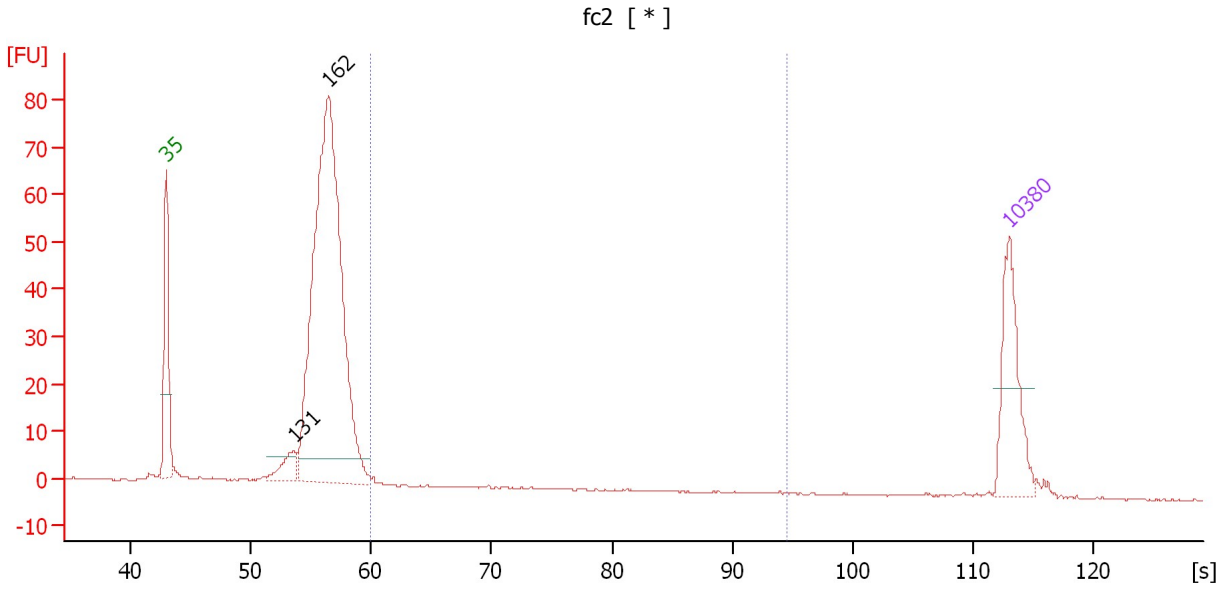
From [s]	To [s]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co lor	Corr. Area % of Total	Size distribution in CV [%]
59.96	94.62	411	1.3	0.31	0.3	0	36.6



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r\2100 expert\Data\2014-06-06\2014-06-06\2014-06-06\_001.xad

Created: 6/6/2014 2:13:54 PM  
 Modified: 6/6/2014 2:48:46 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : fc2**

Number of peaks found: 2                      Corr. Area 1: 2.7  
 Noise: 0.2

**Peak table for sample 6 : fc2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	131	34.41	399.0	
3	162	742.25	6,936.5	
4	10,380	75.00	10.9	Upper Marker

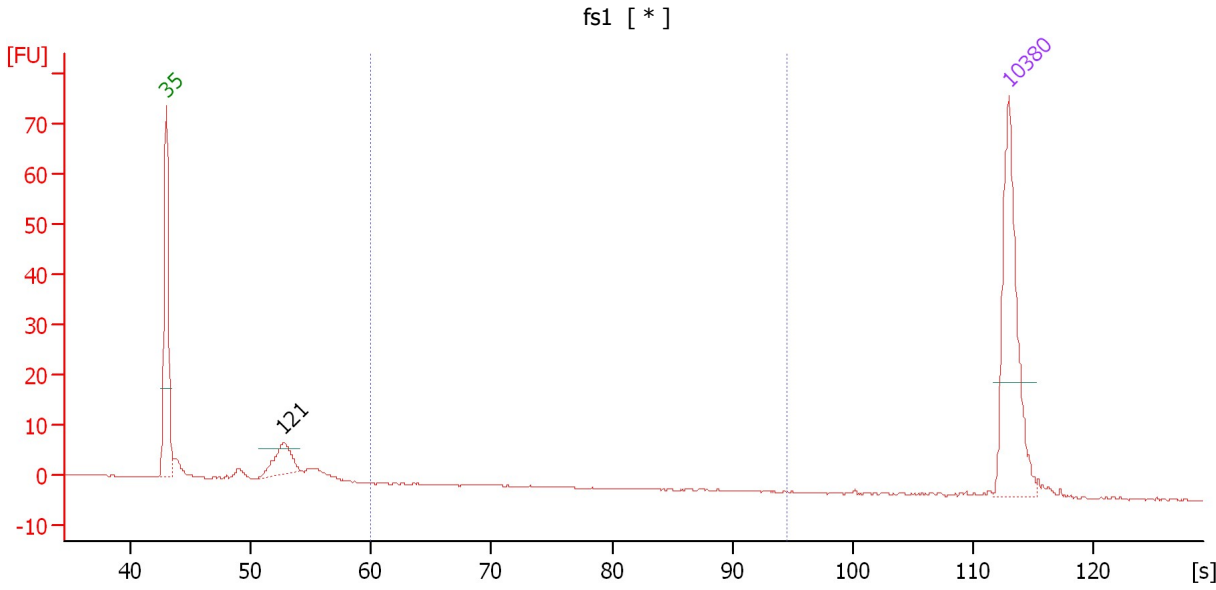
**Region table for sample 6 : fc2**

From [s]	To [s]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co lor	Corr. Area	% of Total	Size distribution in CV [%]
59.96	94.62	264	29.8	4.43	■	2.7	1	55.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r\2100 expert\Data\2014-06-06\2014-06-06\2014-06-06\_001.xad

Created: 6/6/2014 2:13:54 PM  
 Modified: 6/6/2014 2:48:46 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : fs1**

Number of peaks found: 1                      Corr. Area 1: 0.0  
 Noise: 0.1

**Peak table for sample 7 : fs1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	121	31.40	391.9	
3	10,380	75.00	10.9	Upper Marker

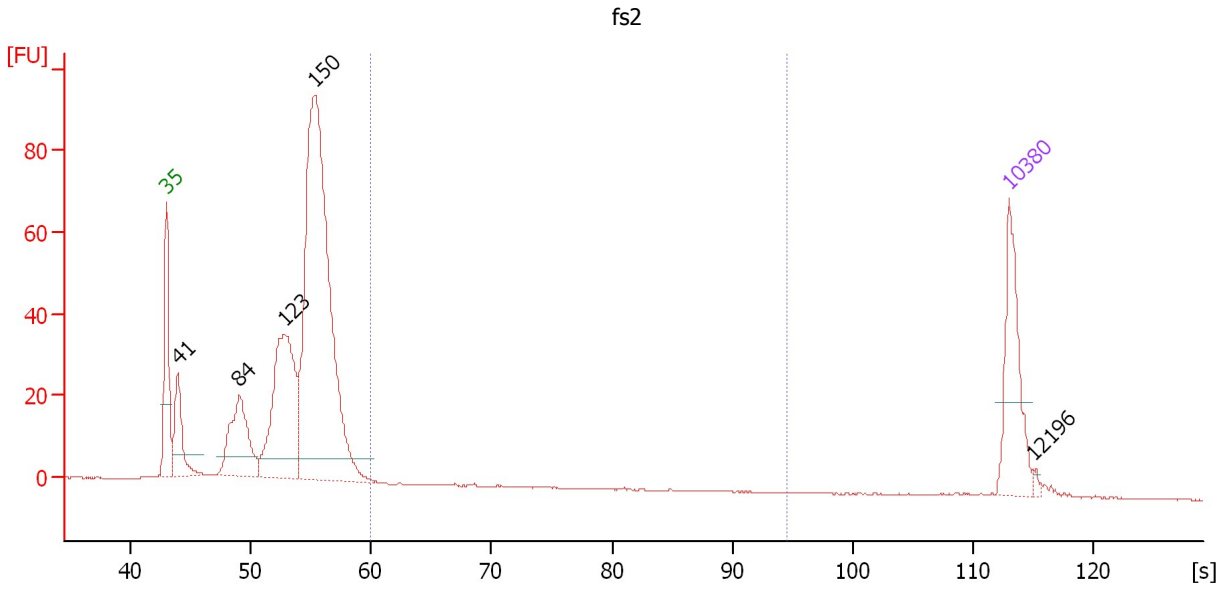
**Region table for sample 7 : fs1**

From [s]	To [s]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co lor	Corr. Area	% of Total	Size distribution in CV [%]
59.96	94.62	602	0.0	0.01	0.0	0	0	0.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r\2100 expert\Data\2014-06-06\2014-06-06\2014-06-06\_001.xad

Created: 6/6/2014 2:13:54 PM  
 Modified: 6/6/2014 2:48:46 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : fs2**

Number of peaks found: 5                      Corr. Area 1: 1.1  
 Noise: 0.1

**Peak table for sample 8 : fs2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	41	81.65	3,021.1	
3	84	132.59	2,377.8	
4	123	258.41	3,193.3	
5	150	706.07	7,144.1	
6	10,380	75.00	10.9	Upper Marker
7	12,196	0.00	0.0	

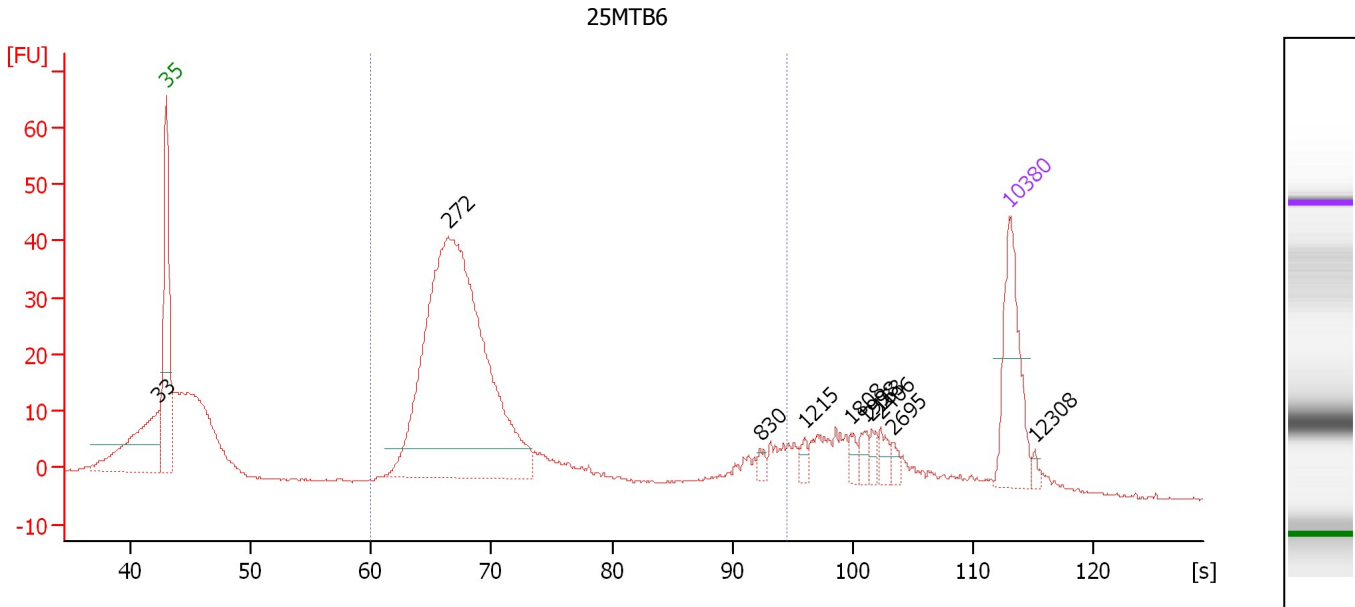
**Region table for sample 8 : fs2**

From [s]	To [s]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co lor	Corr. Area % of Total	Size distribution in CV [%]
59.96	94.62	236	11.3	1.70	1.1	0	24.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r\2100 expert\Data\2014-06-06\2014-06-06\2014-06-06\_001.xad

Created: 6/6/2014 2:13:54 PM  
 Modified: 6/6/2014 2:48:46 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 25MTB6**

Number of peaks found: 10      Corr. Area 1: 440.5  
 Noise: 0.2

**Peak table for sample 9 : 25MTB6**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	33	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	272	718.60	4,009.6	
4	830	6.54	11.9	
5	1,215	6.99	8.7	
6	1,808	7.30	6.1	
7	1,998	9.60	7.3	
8	2,163	7.42	5.2	
9	2,406	10.20	6.4	
10	2,695	6.58	3.7	
11	10,380	75.00	10.9	Upper Marker
12	12,308	0.00	0.0	

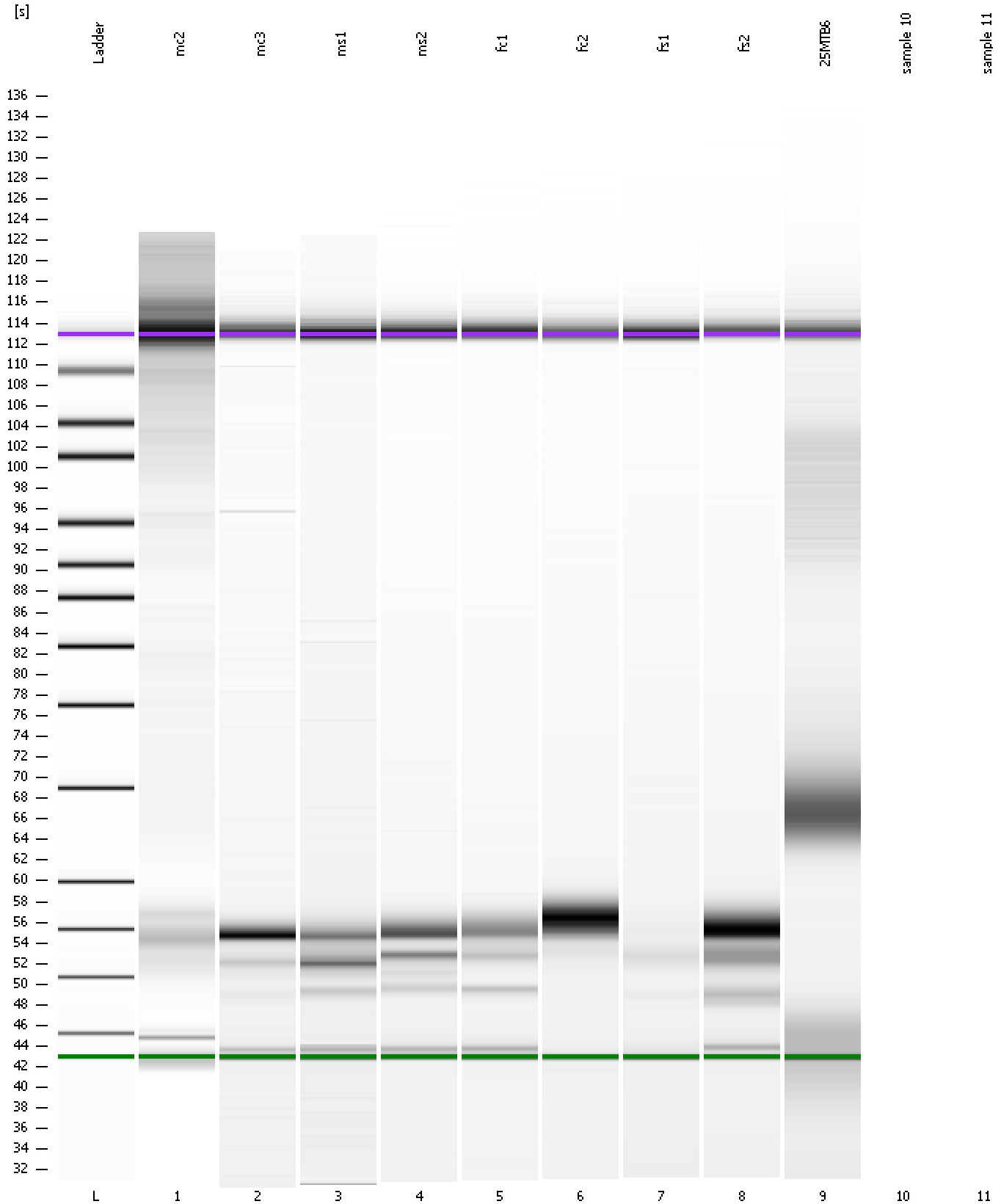
**Region table for sample 9 : 25MTB6**

From [s]	To [s]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co lor	Corr. Area	% of Total	Size distribution in CV [%]
59.96	94.62	345	4,145.4	812.09	■	440.5	60	48.6

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...r\2100 expert\Data\2014-06-06\2014-06-06\2014-06-06\_001.xad

Created: 6/6/2014 2:13:54 PM  
Modified: 6/6/2014 2:48:46 PM

**Gel Image**



---

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...r\2100 expert\Data\2014-06-06\2014-06-06\_001.xad

Created: 6/6/2014 2:13:54 PM  
Modified: 6/6/2014 2:48:46 PM

**Invalid Samples**

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.