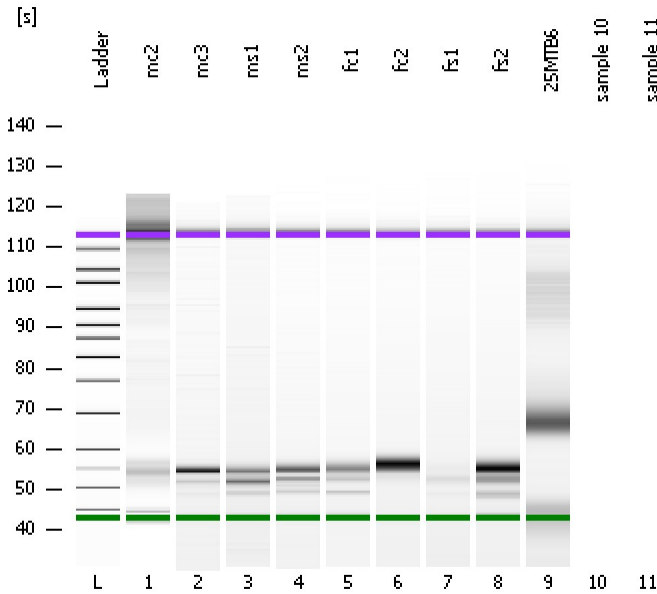


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r\2100 expert\Data\2014-06-06\2014-06-06\2014-06-06_001.xad

Created: 6/6/2014 2:13:54 PM
Modified: 6/6/2014 3:01:01 PM

Electrophoresis File Run Summary



Instrument Information:

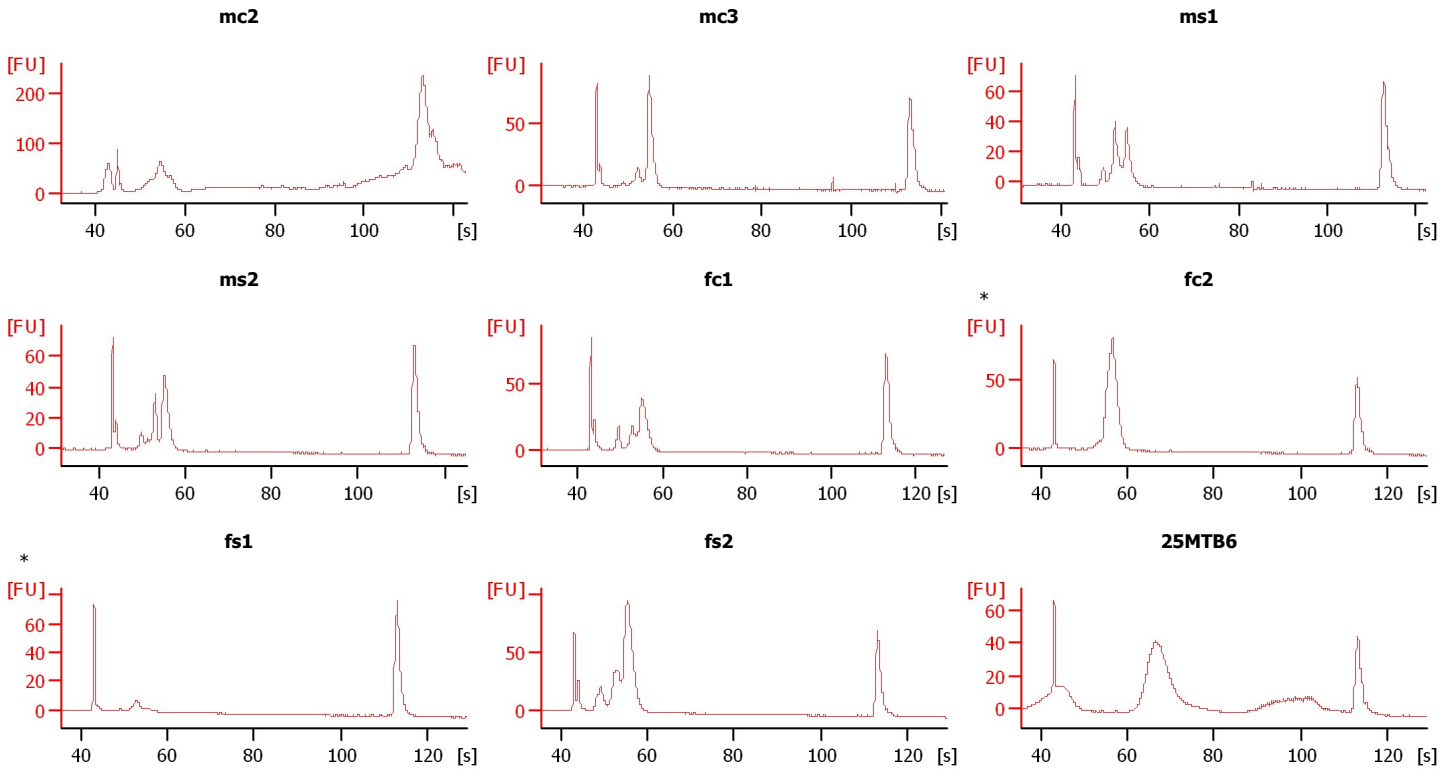
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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 3:01:01 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 3:01:01 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

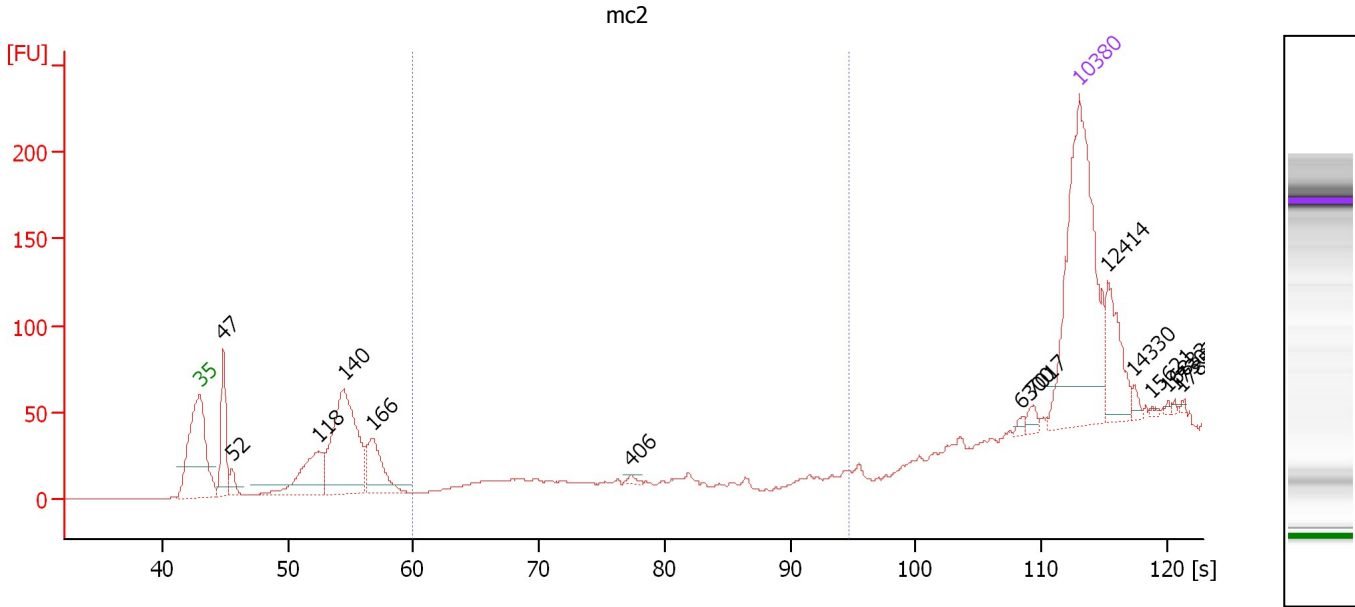
Ladder

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 3:01:01 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	

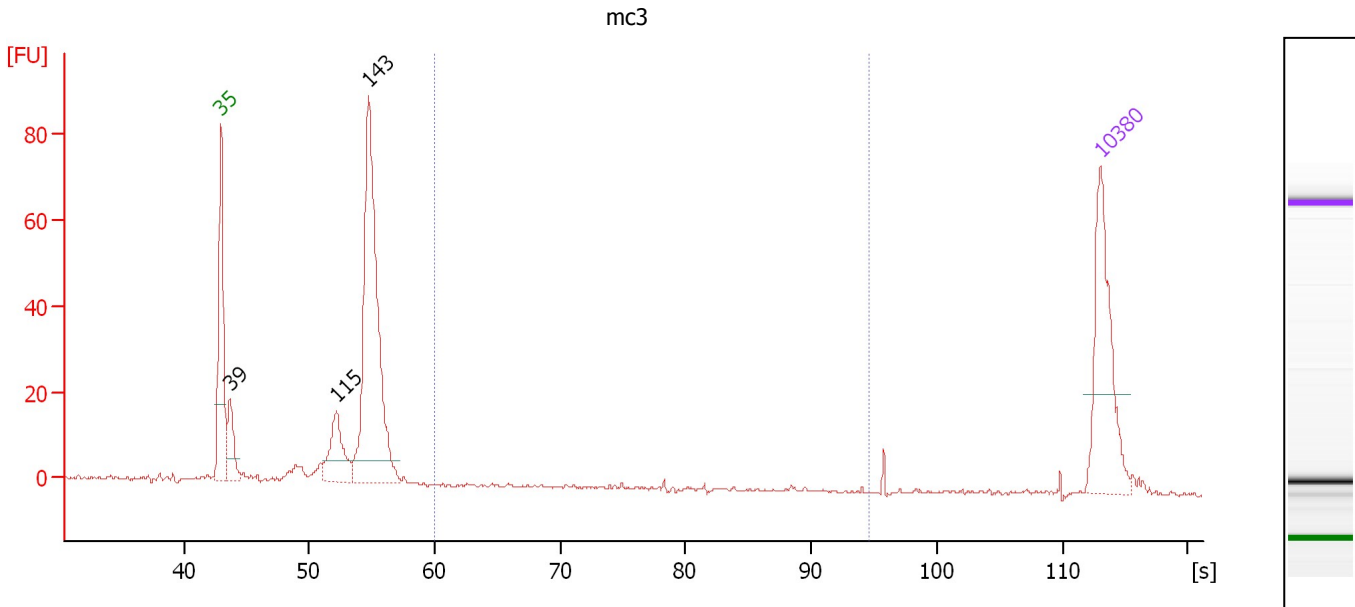
Region table for sample 1 : mc2

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 3:01:01 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

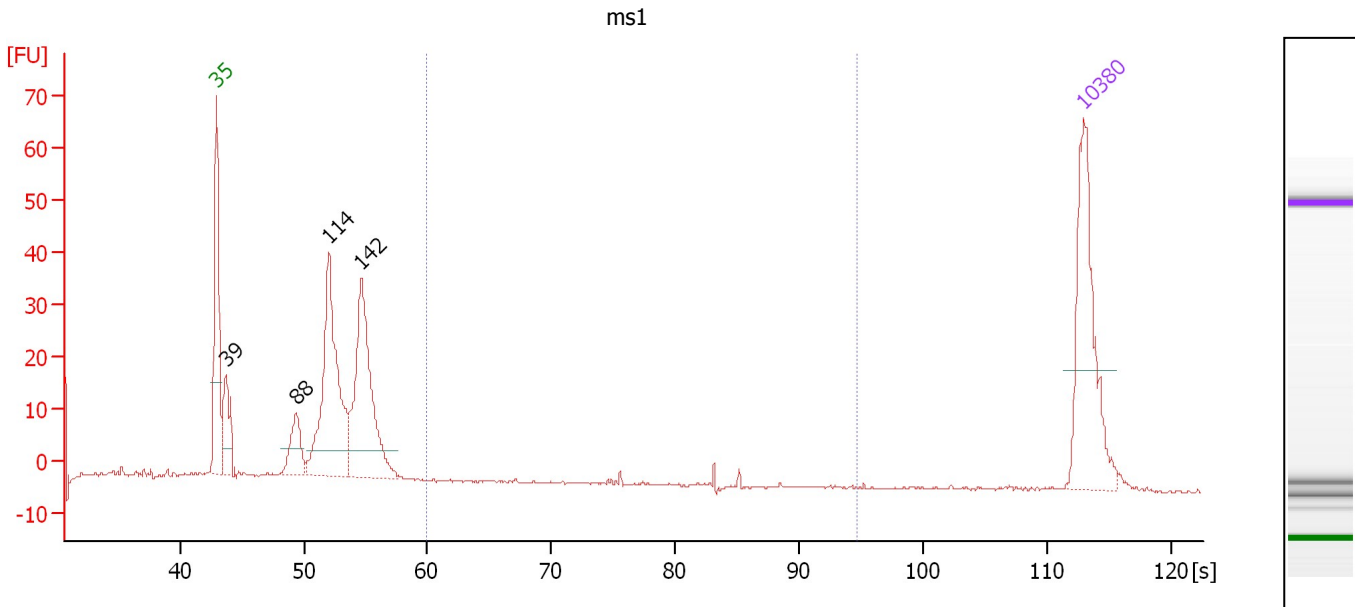
Region table for sample 2 : mc3

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

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 Modified: 6/6/2014 3:01:01 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

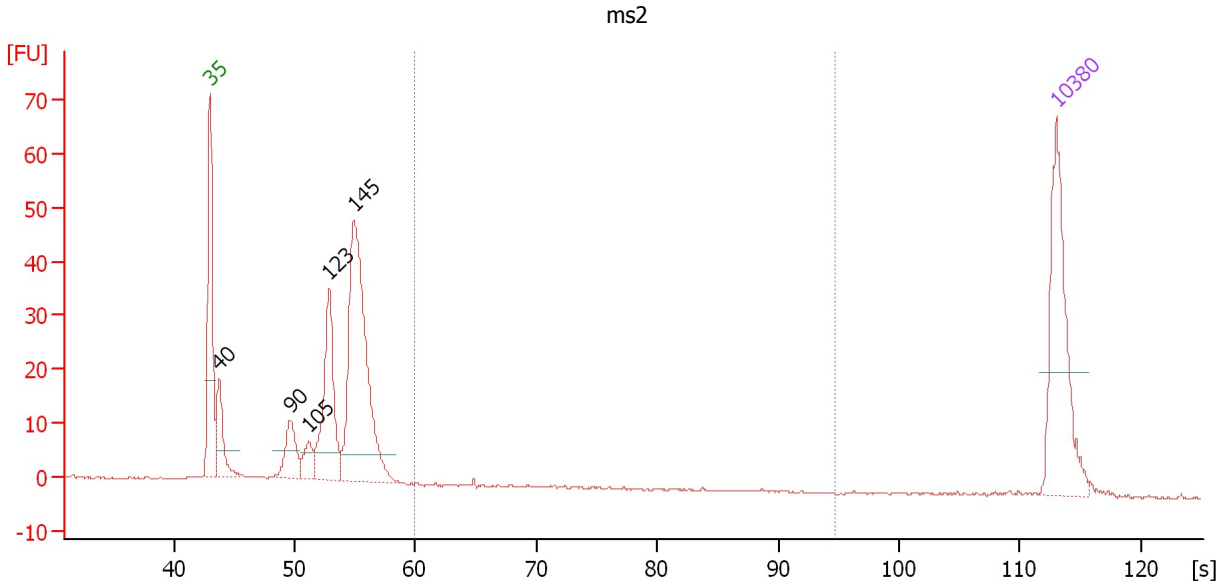
Region table for sample 3 : ms1

From [s]	To [s]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co lor	Corr. Area	% of Total	Size distribution in 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 3:01:01 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

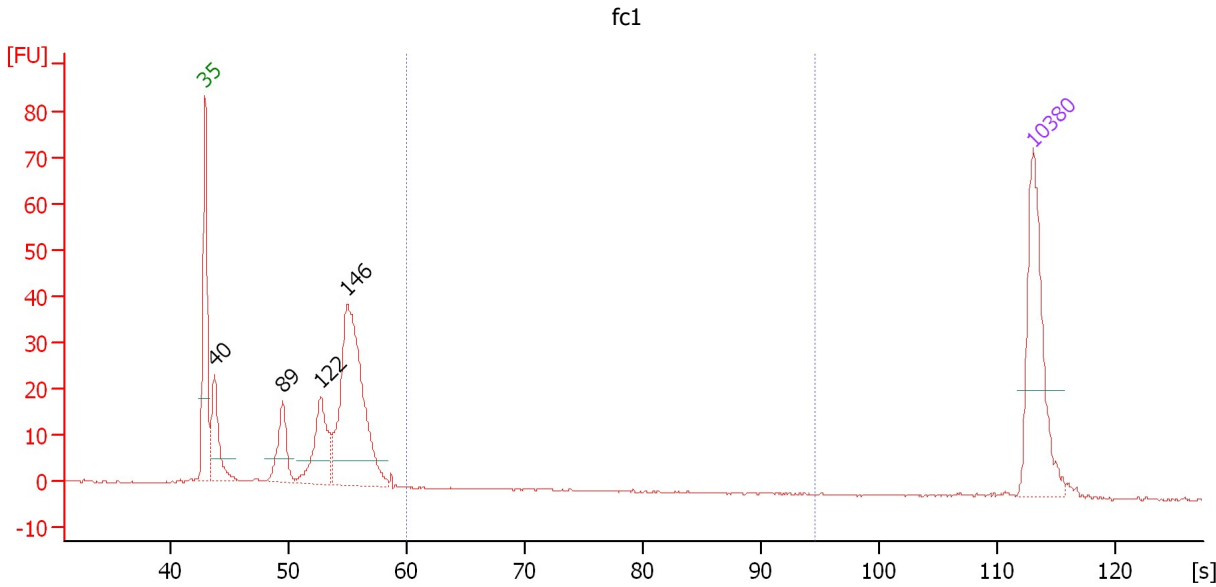
Region table for sample 4 : ms2

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

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 Modified: 6/6/2014 3:01:01 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

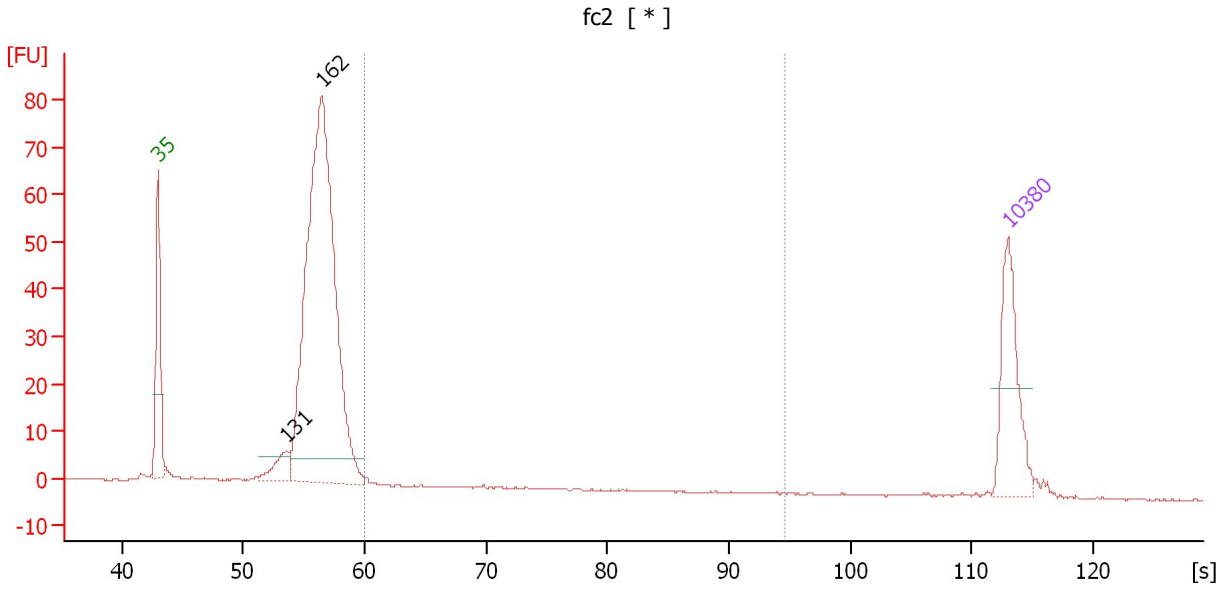
Region table for sample 5 : fc1

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

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 Modified: 6/6/2014 3:01:01 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

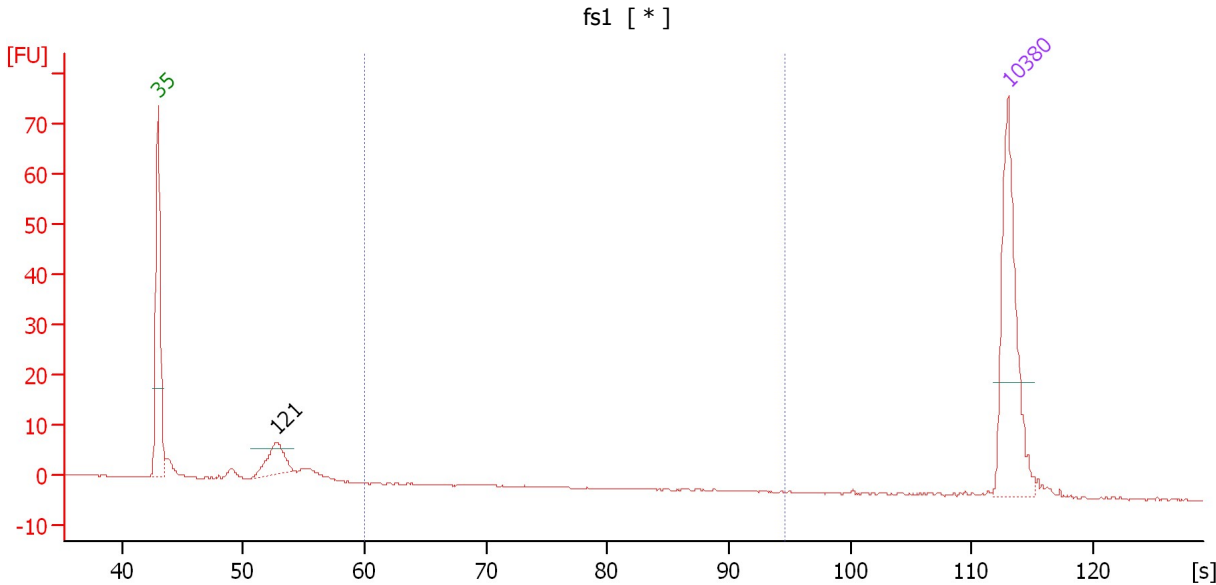
Region table for sample 6 : fc2

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 3:01:01 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

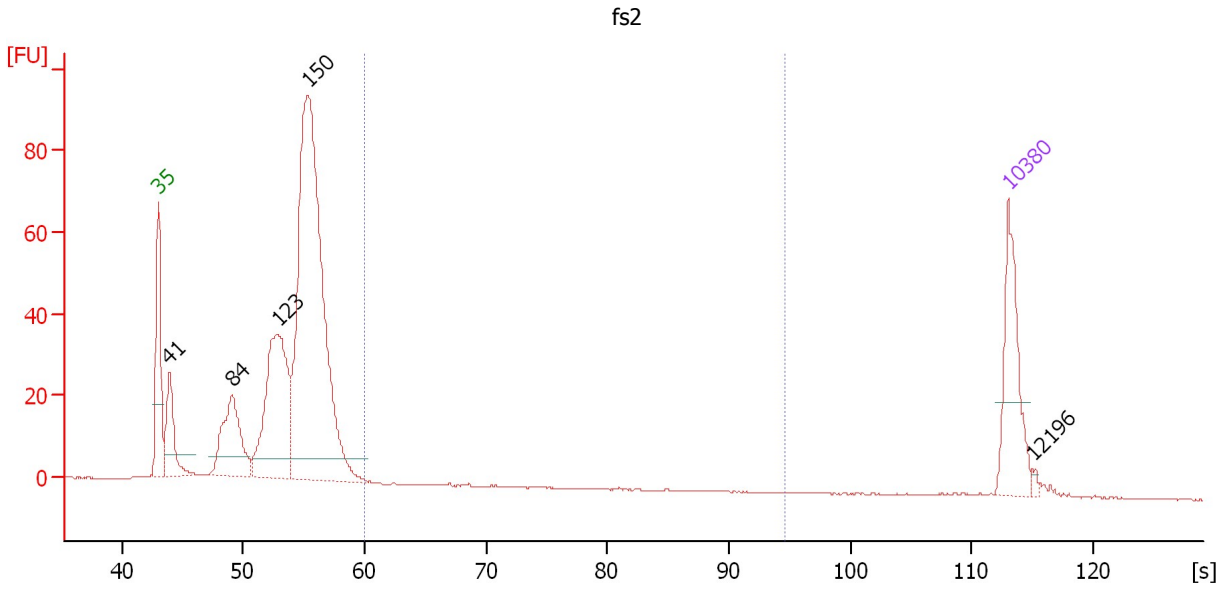
Region table for sample 7 : fs1

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 3:01:01 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	

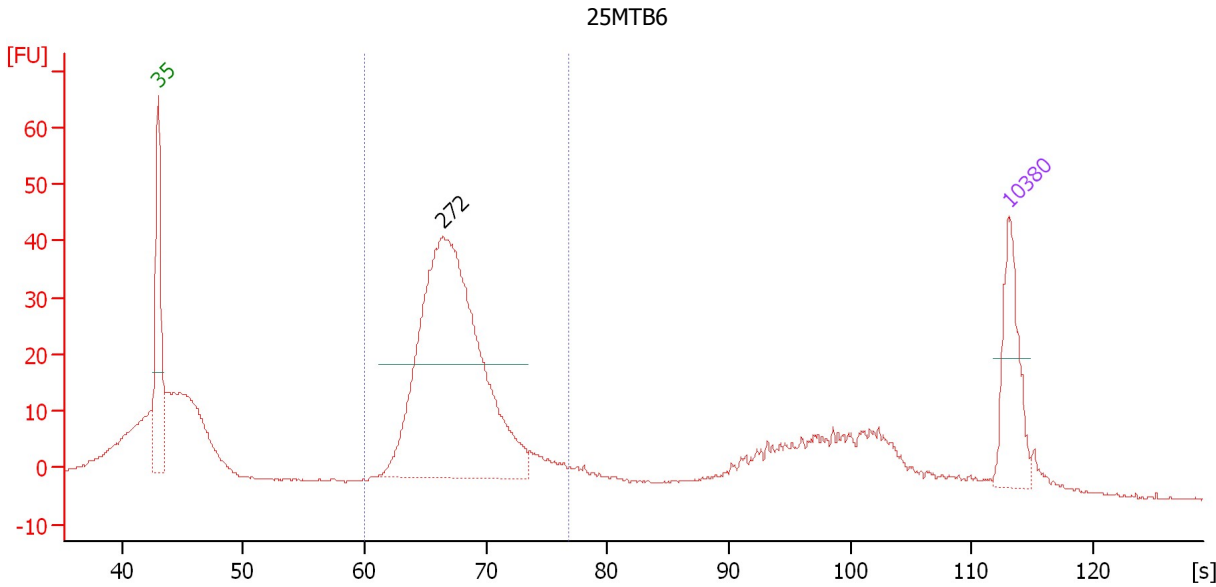
Region table for sample 8 : fs2

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 3:01:01 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 9 : 25MTB6

Height Threshold [FU] : 20

Overall Results for sample 9 : 25MTB6

Number of peaks found: 1 Corr. Area 1: 394.1
 Noise: 0.2

Peak table for sample 9 : 25MTB6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	272	718.60	4,009.6	
3	10,380	75.00	10.9	Upper Marker

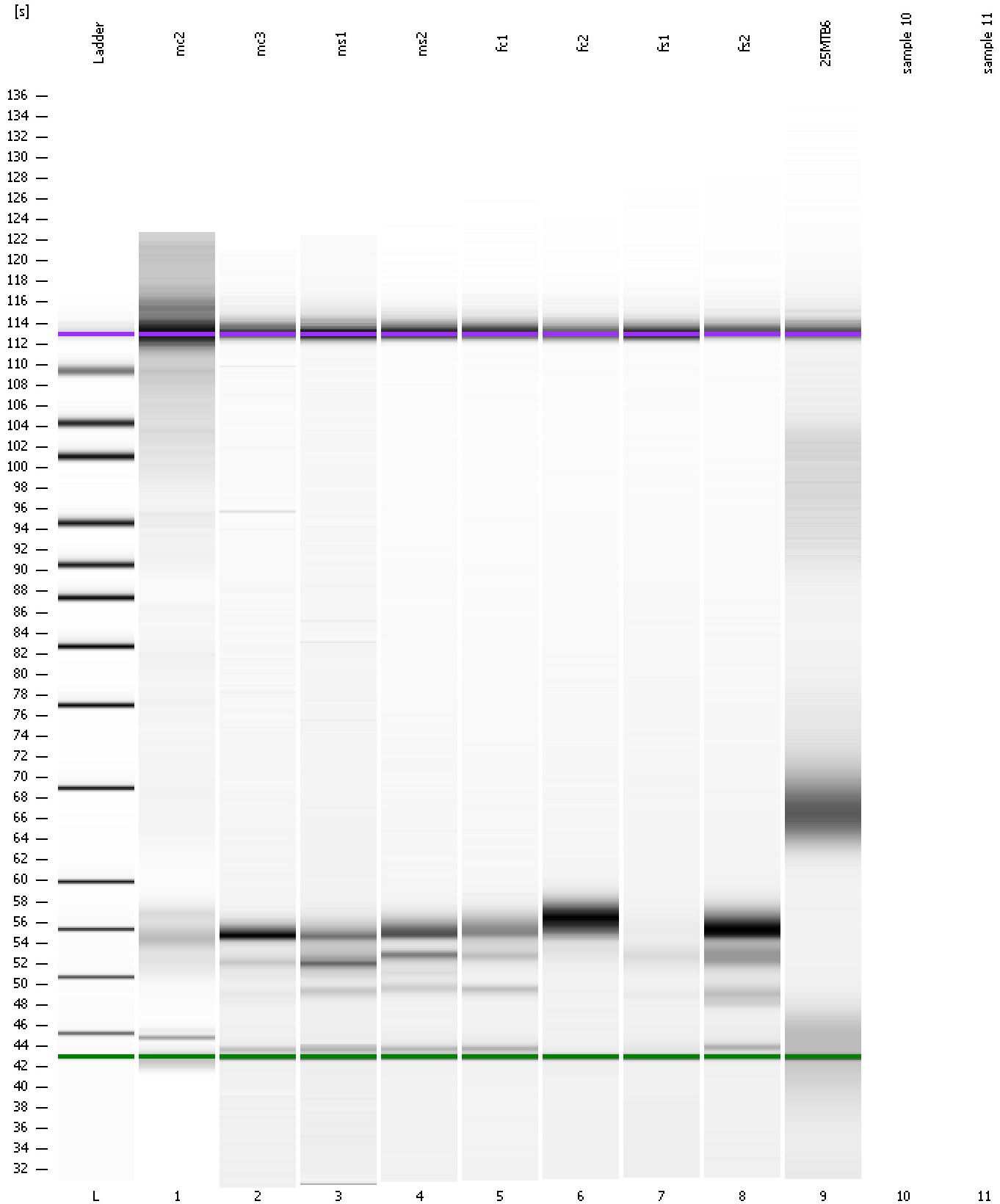
Region table for sample 9 : 25MTB6

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	76.83	286	3,981.7	741.91	■	394.1	53	11.7

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 3:01:01 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 3:01:01 PM

Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.