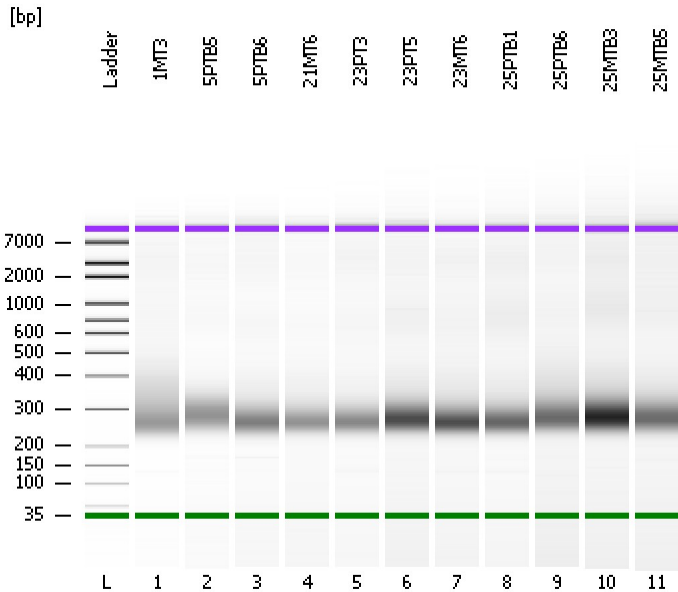


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_003.xad

Created: 6/6/2014 11:45:56 AM
Modified: 6/6/2014 12:38:49 PM

Electrophoresis File Run Summary



Instrument Information:

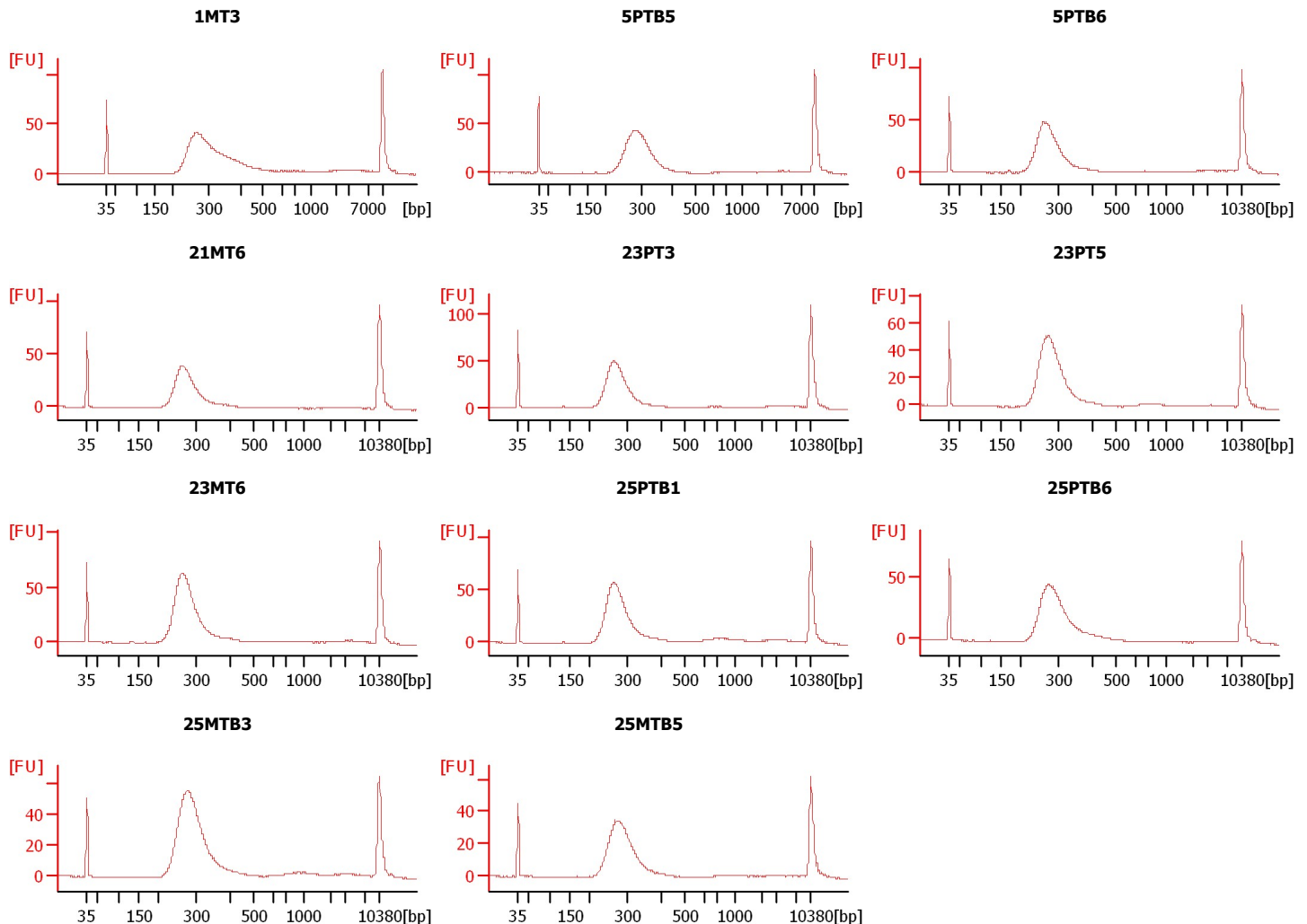
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_003.xad

Created: 6/6/2014 11:45:56 AM
 Modified: 6/6/2014 12:38:49 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
1MT3		<input type="checkbox"/>	✓			
5PTB5		<input type="checkbox"/>	✓			
5PTB6		<input type="checkbox"/>	✓			
21MT6		<input type="checkbox"/>	✓			
23PT3		<input type="checkbox"/>	✓			
23PT5		<input type="checkbox"/>	✓			
23MT6		<input type="checkbox"/>	✓			
25PTB1		<input type="checkbox"/>	✓			
25PTB6		<input type="checkbox"/>	✓			
25MTB3		<input type="checkbox"/>	✓			
25MTB5		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_003.xad

Created: 6/6/2014 11:45:56 AM
Modified: 6/6/2014 12:38:49 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

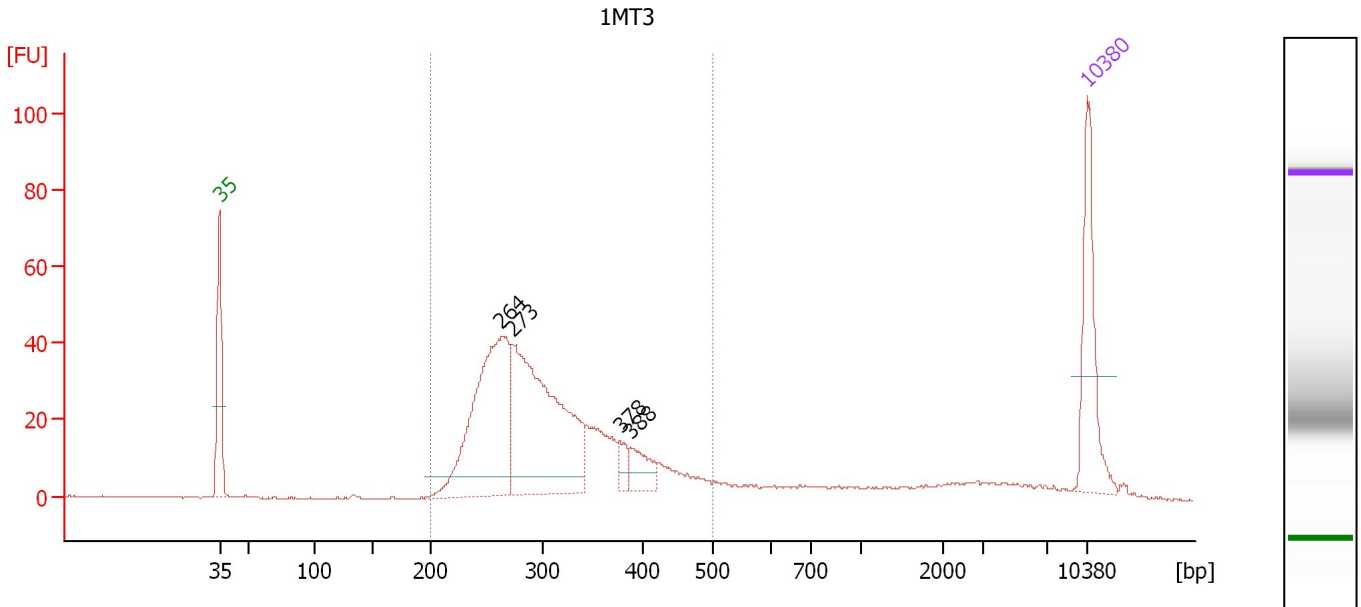
Ladder

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:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_003.xad

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Electropherogram Summary



Overall Results for sample 1 : 1MT3

Number of peaks found: 4 Corr. Area 1: 640.4
 Noise: 0.2

Peak table for sample 1 : 1MT3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	264	281.87	1,618.9	
3	273	334.55	1,854.7	
4	378	17.27	69.3	
5	388	31.51	123.0	
6	10,380	75.00	10.9	Upper Marker

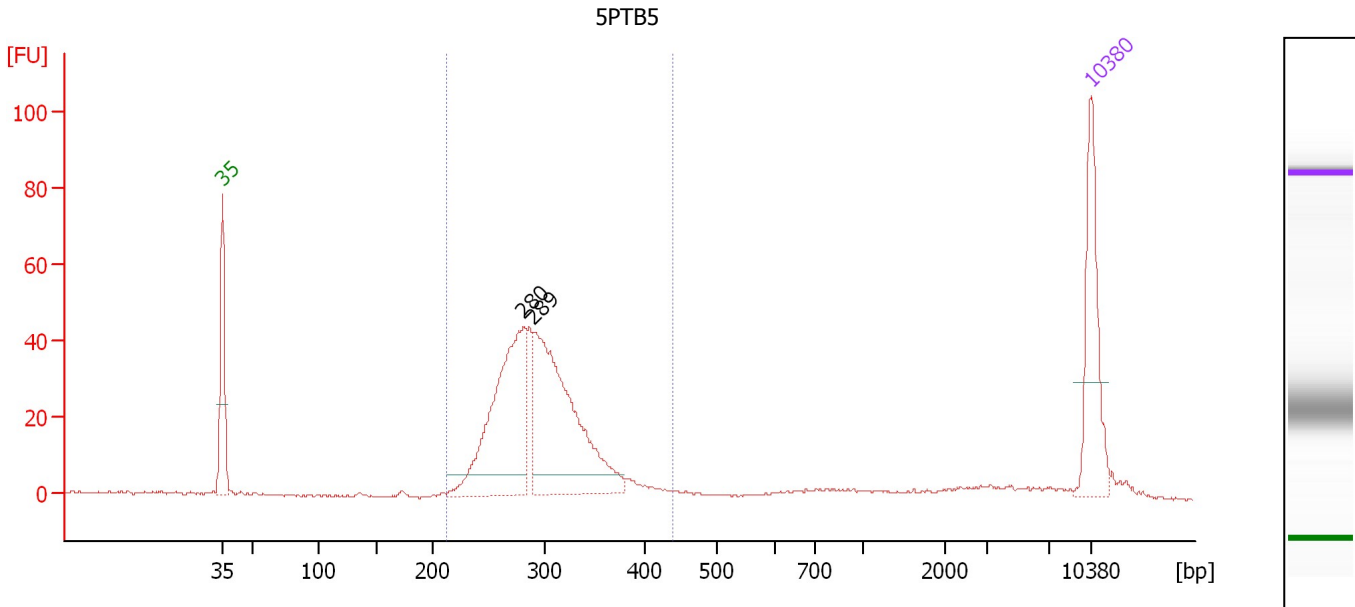
Region table for sample 1 : 1MT3

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
201	500	310	4,057.8	790.91	640.4	85	19.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : 5PTB5

Number of peaks found: 2 Corr. Area 1: 493.0
 Noise: 0.4

Peak table for sample 2 : 5PTB5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	280	244.57	1,321.4	
3	289	279.95	1,465.5	
4	10,380	75.00	10.9	Upper Marker

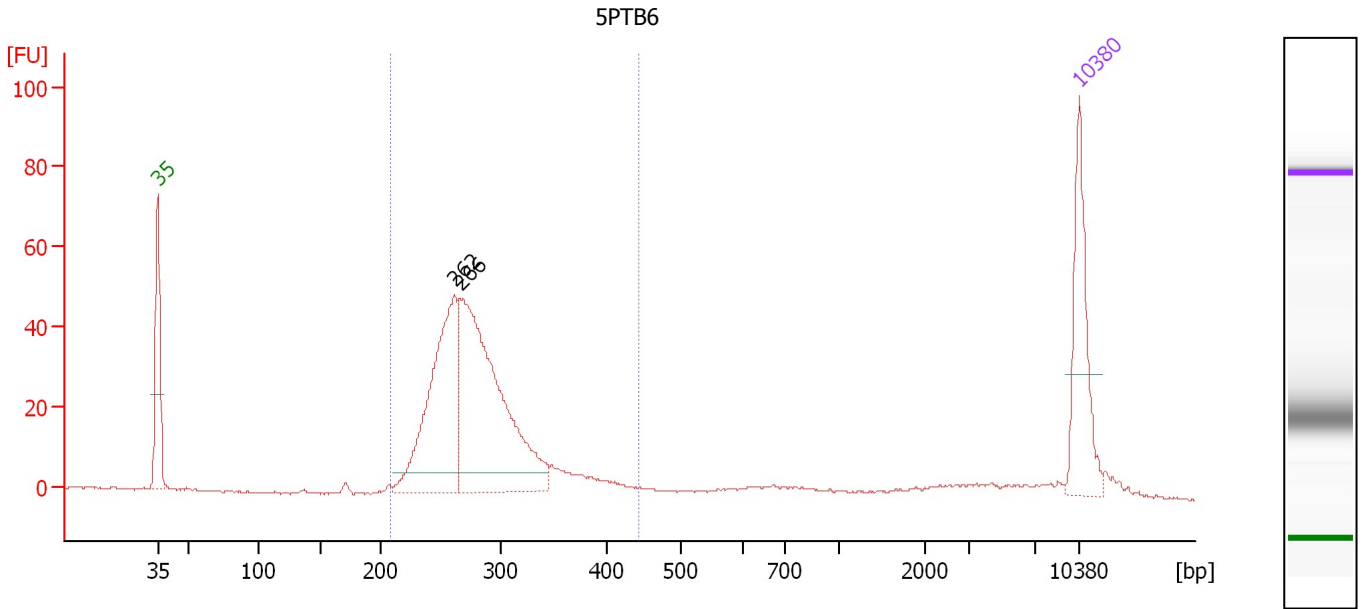
Region table for sample 2 : 5PTB5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
213	438	296	2,986.5	573.77	493.0	88	12.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : 5PTB6

Number of peaks found: 2 Corr. Area 1: 491.2
 Noise: 0.3

Peak table for sample 3 : 5PTB6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	262	234.77	1,358.8	
3	266	352.12	2,004.7	
4	10,380	75.00	10.9	Upper Marker

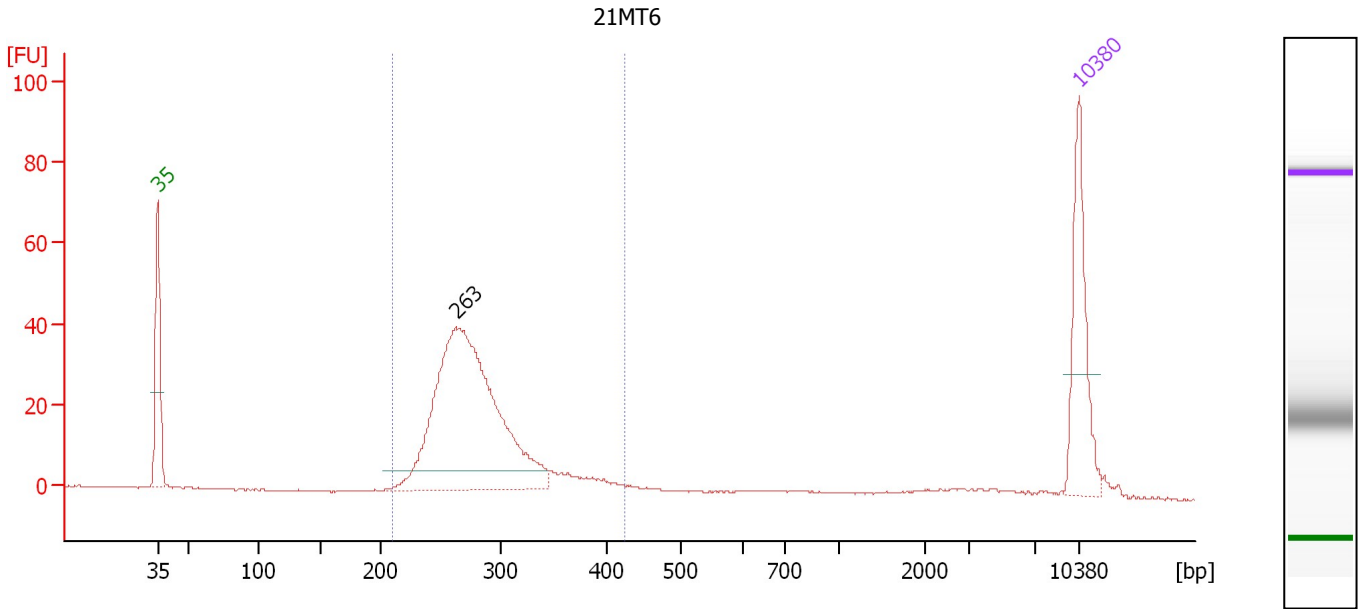
Region table for sample 3 : 5PTB6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
208	443	283	3,361.2	616.29	491.2	85	14.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : 21MT6

Number of peaks found: 1 Corr. Area 1: 376.0
 Noise: 0.2

Peak table for sample 4 : 21MT6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	263	439.78	2,535.7	
3	10,380	75.00	10.9	Upper Marker

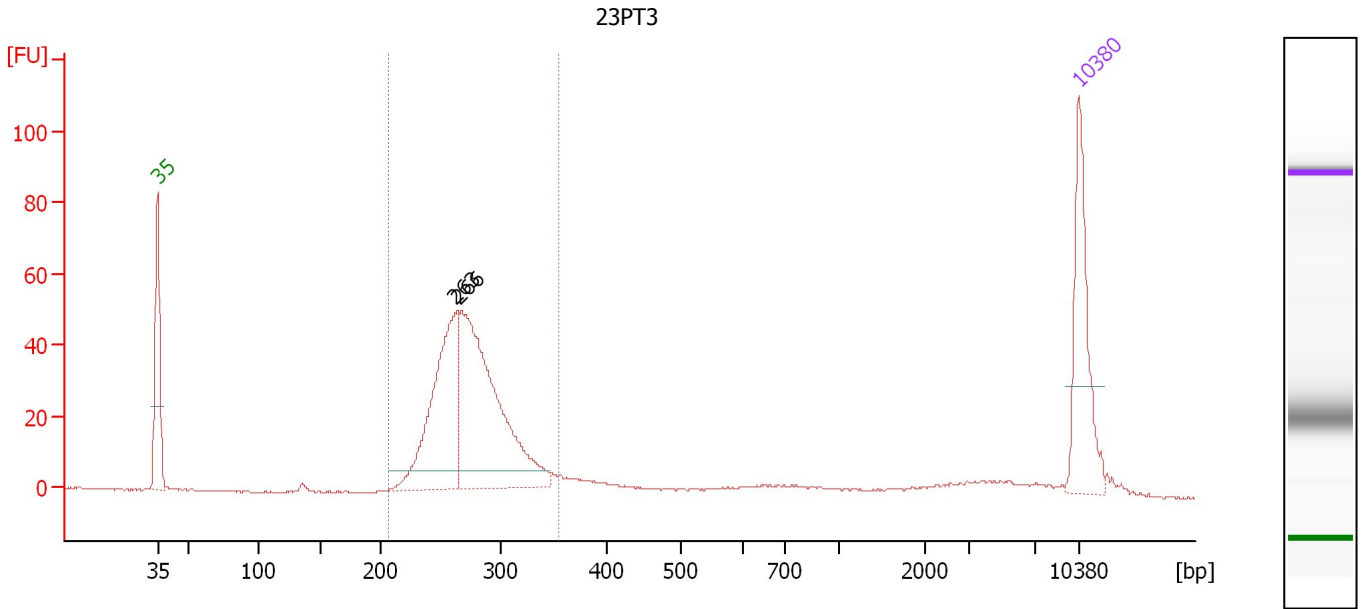
Region table for sample 4 : 21MT6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
209	425	284	2,522.7	463.79	376.0	89	13.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : 23PT3

Number of peaks found: 2 Corr. Area 1: 449.2
 Noise: 0.2

Peak table for sample 5 : 23PT3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	263	184.05	1,061.8	
3	266	280.01	1,597.2	
4	10,380	75.00	10.9	Upper Marker

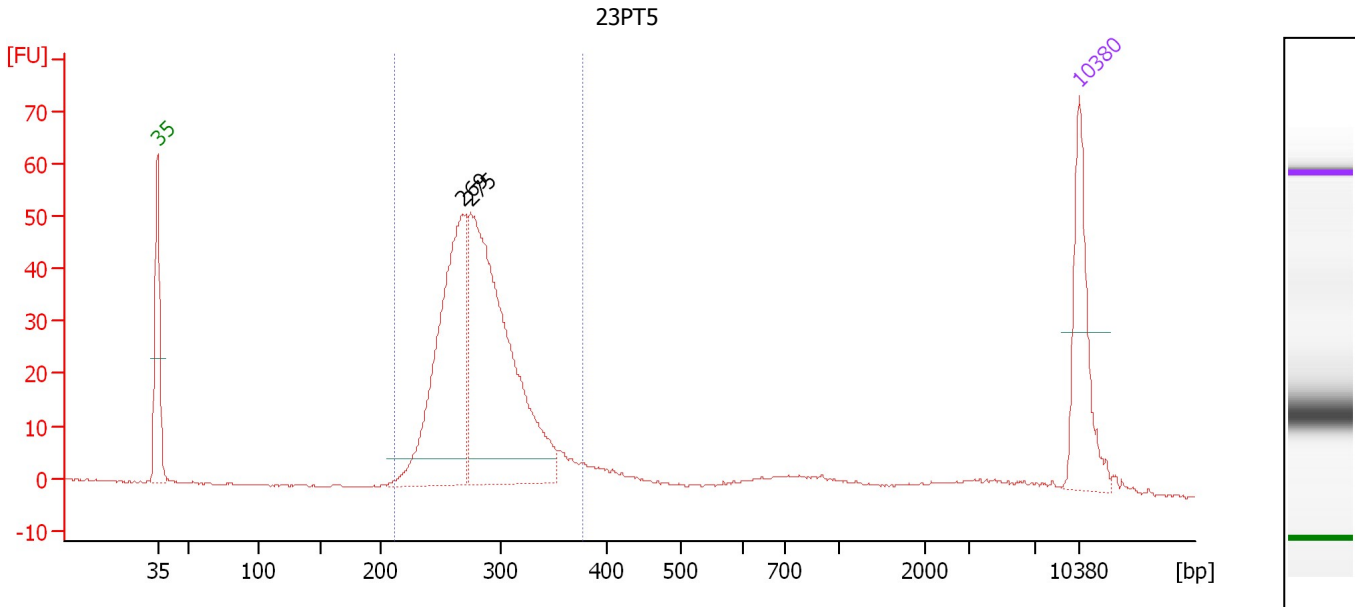
Region table for sample 5 : 23PT3

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
206	355	275	2,702.9	487.34	449.2	76	10.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 6 : 23PT5

Number of peaks found: 2 Corr. Area 1: 498.9
 Noise: 0.2

Peak table for sample 6 : 23PT5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	269	303.42	1,707.2	
3	275	422.26	2,327.7	
4	10,380	75.00	10.9	Upper Marker

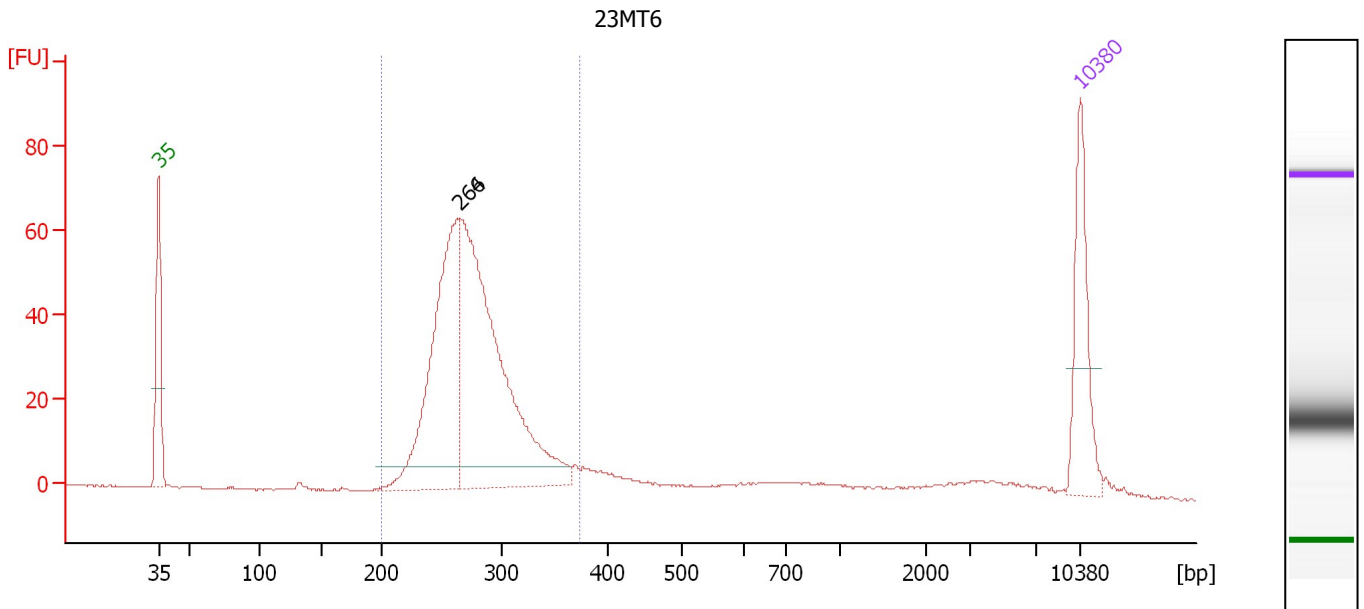
Region table for sample 6 : 23PT5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
212	377	284	4,023.3	745.69	498.9	84	10.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : 23MT6

Number of peaks found: 2 Corr. Area 1: 583.1
 Noise: 0.2

Peak table for sample 7 : 23MT6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	264	310.39	1,778.4	
3	266	450.76	2,567.6	
4	10,380	75.00	10.9	Upper Marker

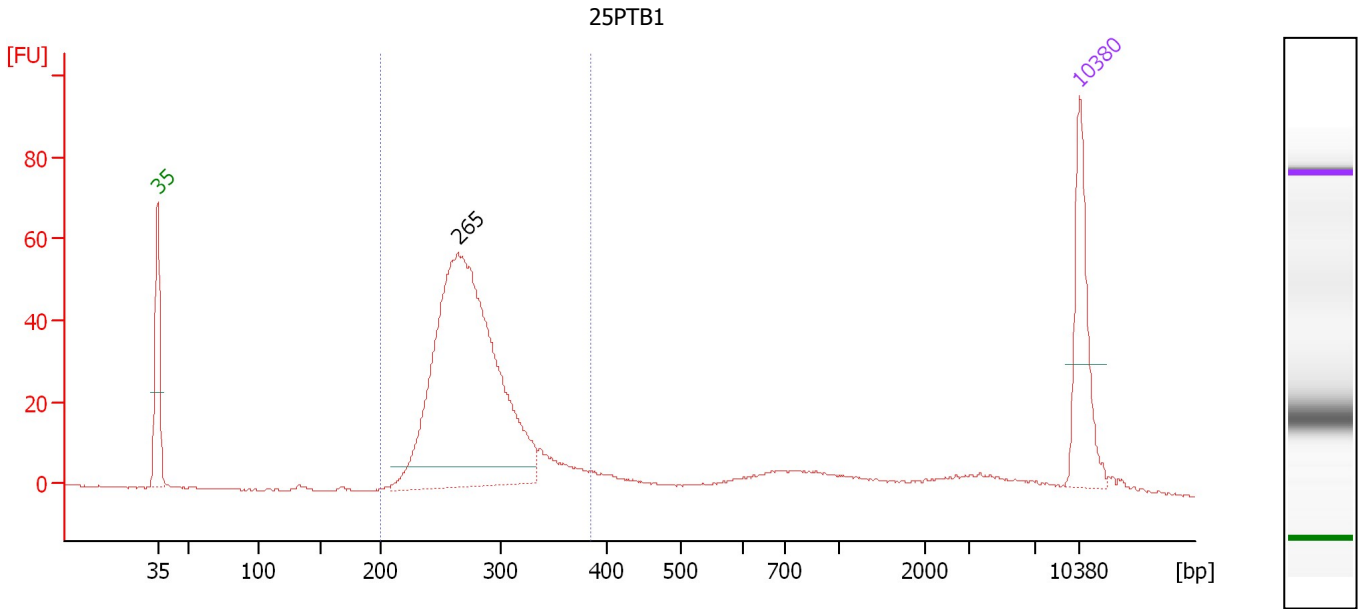
Region table for sample 7 : 23MT6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
199	373	277	4,266.0	772.49	583.1	81	11.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : 25PTB1

Number of peaks found: 1 Corr. Area 1: 524.1
 Noise: 0.2

Peak table for sample 8 : 25PTB1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	265	641.00	3,671.5	
3	10,380	75.00	10.9	Upper Marker

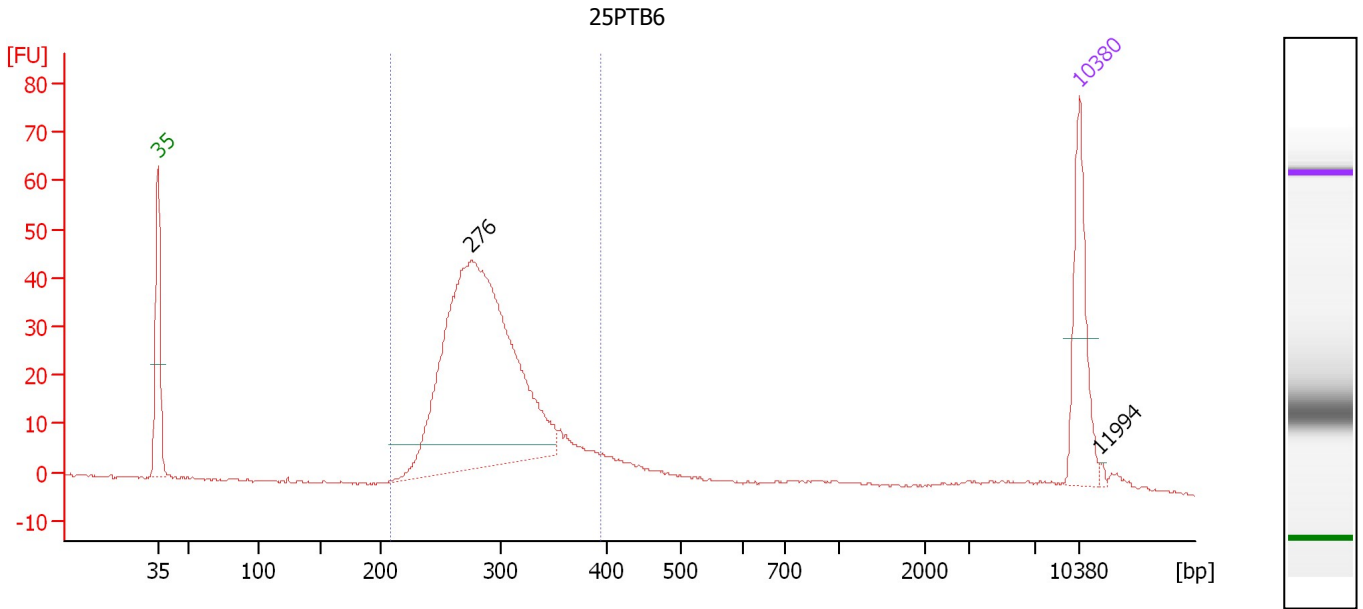
Region table for sample 8 : 25PTB1

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	385	280	3,755.1	684.46	524.1	77	11.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_003.xad

Created: 6/6/2014 11:45:56 AM
 Modified: 6/6/2014 12:38:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 25PTB6

Number of peaks found: 2 Corr. Area 1: 481.7
 Noise: 0.3

Peak table for sample 9 : 25PTB6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	276	643.65	3,536.6	
3	10,380	75.00	10.9	Upper Marker
4	11,994	0.00	0.0	

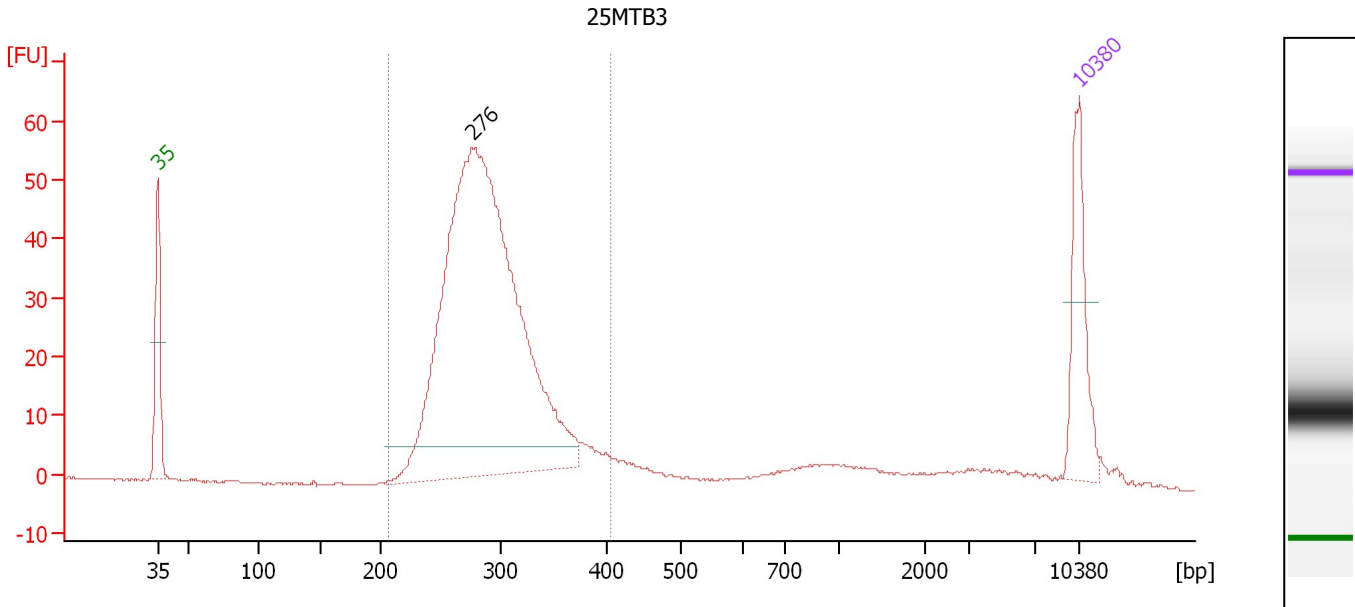
Region table for sample 9 : 25PTB6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
208	394	293	4,022.7	765.78	481.7	83	12.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_003.xad

Created: 6/6/2014 11:45:56 AM
 Modified: 6/6/2014 12:38:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 25MTB3

Number of peaks found: 1 Corr. Area 1: 582.9
 Noise: 0.1

Peak table for sample 10 : 25MTB3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	276	998.09	5,476.2	
3	10,380	75.00	10.9	Upper Marker

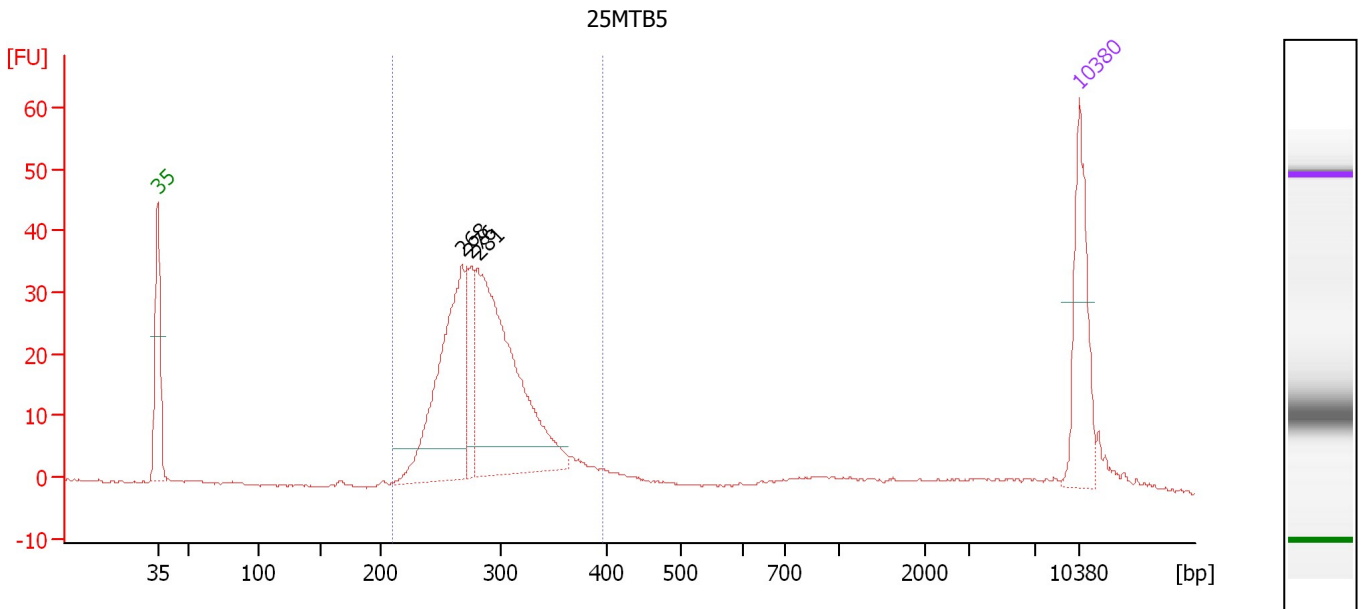
Region table for sample 10 : 25MTB3

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
206	406	293	5,548.1	1,053.93	582.9	82	12.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_003.xad

Created: 6/6/2014 11:45:56 AM
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Electropherogram Summary Continued ...



Overall Results for sample 11 : 25MTB5

Number of peaks found: 3 Corr. Area 1: 359.9
 Noise: 0.2

Peak table for sample 11 : 25MTB5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	268	242.17	1,368.4	
3	276	63.04	346.5	
4	281	335.03	1,805.9	
5	10,380	75.00	10.9	Upper Marker

Region table for sample 11 : 25MTB5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
209	397	290	3,740.5	704.83	359.9	80	12.1

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_003.xad

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Gel Image

