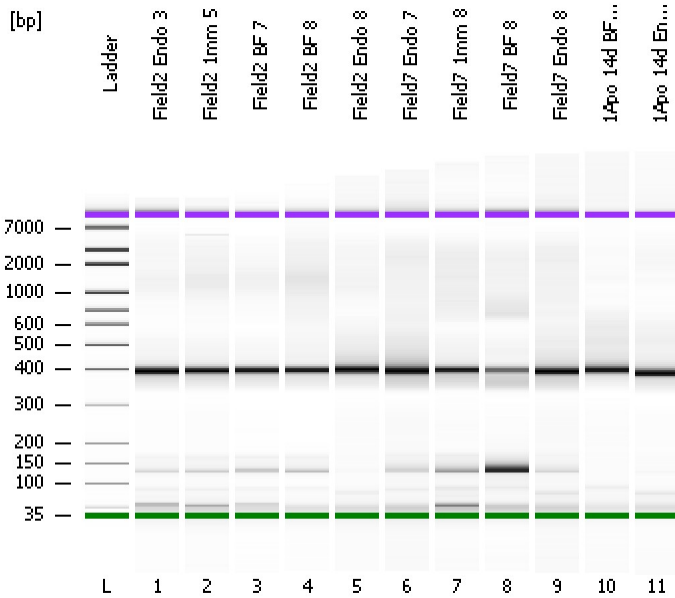


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-30\2013-10-30\_005.xad

Created: 10/30/2013 11:56:15 AM  
Modified: 10/30/2013 12:41:25 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

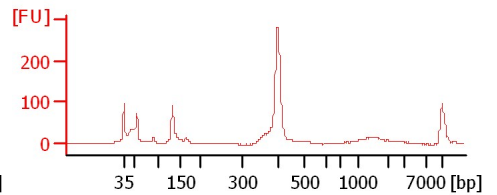
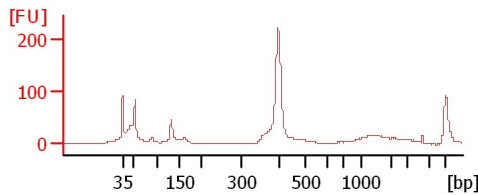
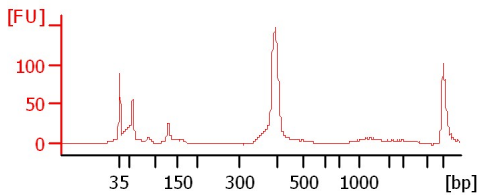
Chip Information:

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

**Field2 Endo 3**

**Field2 1mm 5**

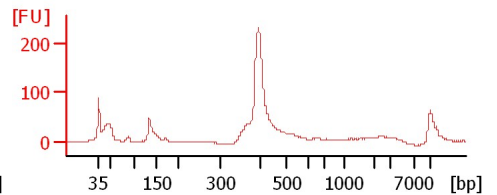
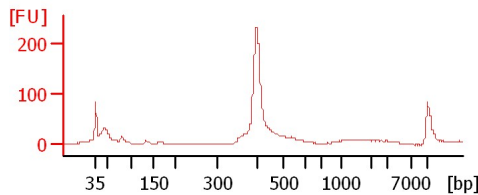
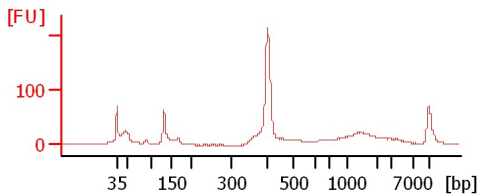
**Field2 BF 7**



**Field2 BF 8**

**Field2 Endo 8**

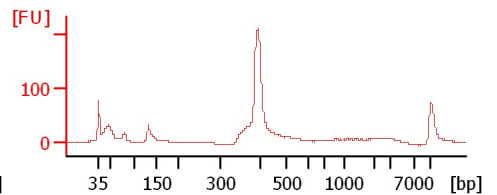
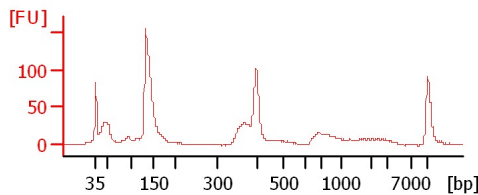
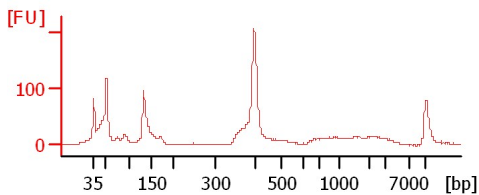
**Field7 Endo 7**



**Field7 1mm 8**

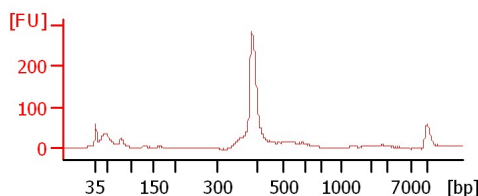
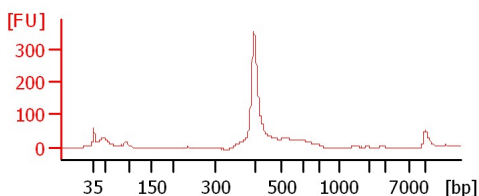
**Field7 BF 8**

**Field7 Endo 8**



**1Apo 14d BF 24**

**1Apo 14d Endo 24**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-30\2013-10-30\_005.xad

Created: 10/30/2013 11:56:15 AM  
 Modified: 10/30/2013 12:41:25 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Field2 Endo 3		<input type="checkbox"/>	✓			
Field2 1mm 5		<input type="checkbox"/>	✓			
Field2 BF 7		<input type="checkbox"/>	✓			
Field2 BF 8		<input type="checkbox"/>	✓			
Field2 Endo 8		<input type="checkbox"/>	✓			
Field7 Endo 7		<input type="checkbox"/>	✓			
Field7 1mm 8		<input type="checkbox"/>	✓			
Field7 BF 8		<input type="checkbox"/>	✓			
Field7 Endo 8		<input type="checkbox"/>	✓			
1Apo 14d BF 24		<input type="checkbox"/>	✓			
1Apo 14d Endo 24		<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\2013-10-30\2013-10-30\_005.xad

Created: 10/30/2013 11:56:15 AM  
Modified: 10/30/2013 12:41:25 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

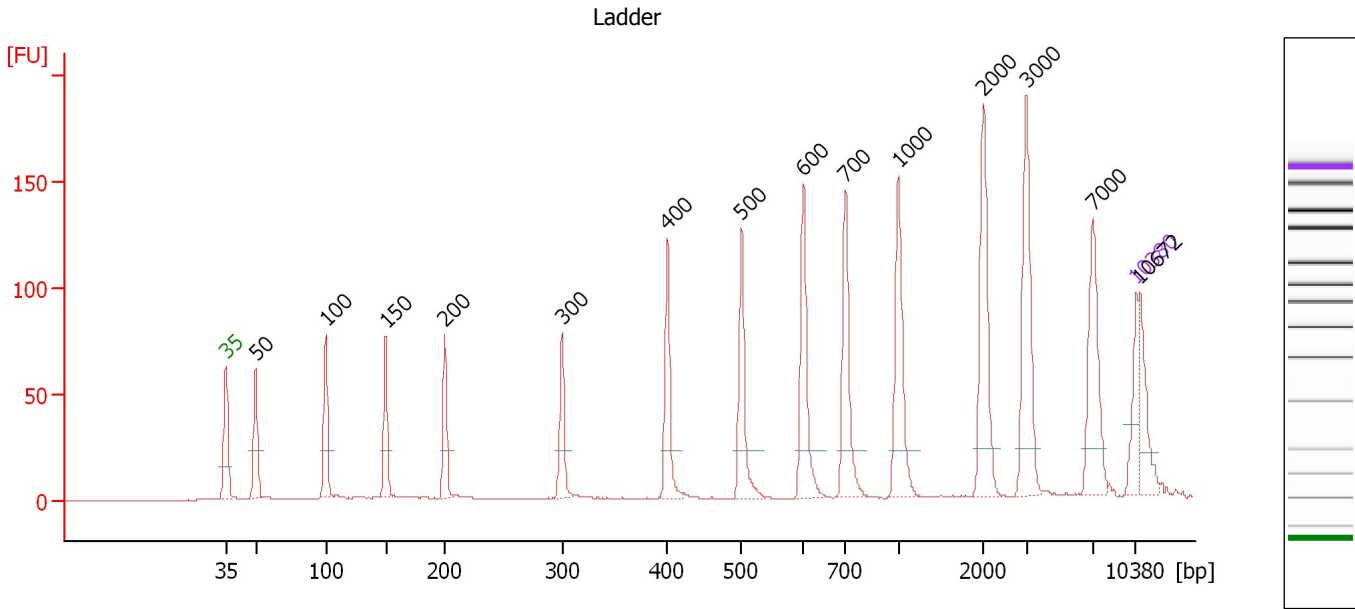
**Ladder**

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\2013-10-30\2013-10-30\_005.xad

Created: 10/30/2013 11:56:15 AM  
 Modified: 10/30/2013 12:41:25 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

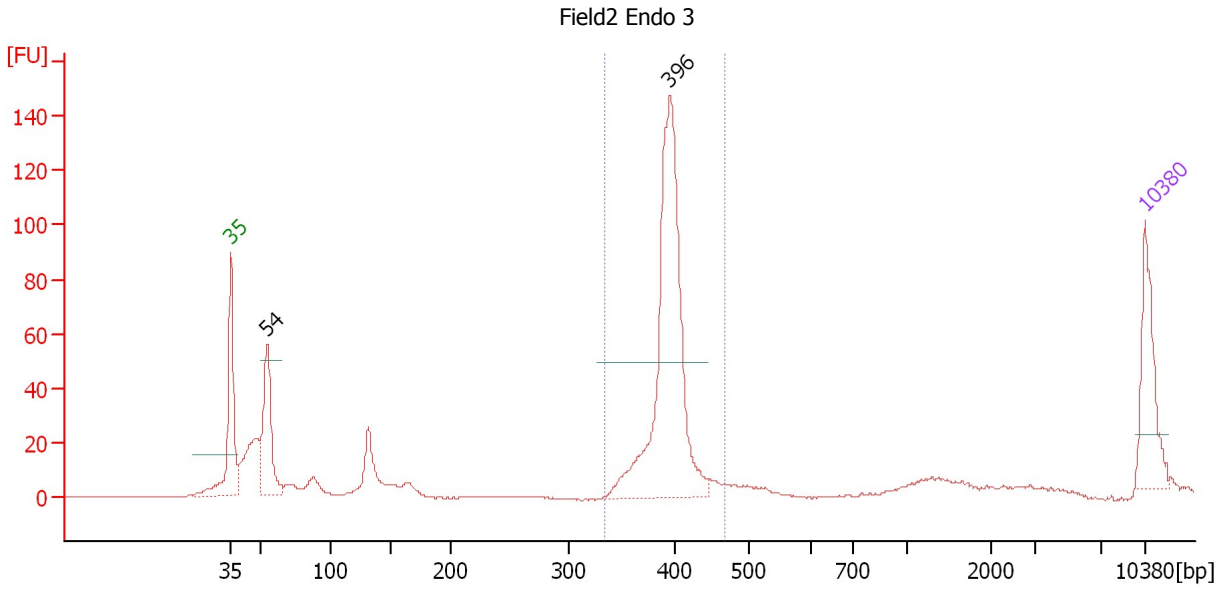
**Peak table for Ladder**

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
14	7,000	150.00	32.5	Ladder Peak
15	10,380	75.00	10.9	Upper Marker
16	10,672	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-30\2013-10-30\_005.xad

Created: 10/30/2013 11:56:15 AM  
 Modified: 10/30/2013 12:41:25 PM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 1 : Field2 Endo 3**

Height Threshold [FU] : 50

**Overall Results for sample 1 : Field2 Endo 3**

Number of peaks found: 2                      Corr. Area 1: 394.6  
 Noise: 0.2

**Peak table for sample 1 : Field2 Endo 3**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	54	156.17	4,344.8	
3	396	462.45	1,771.5	
4	10,380	75.00	10.9	Upper Marker

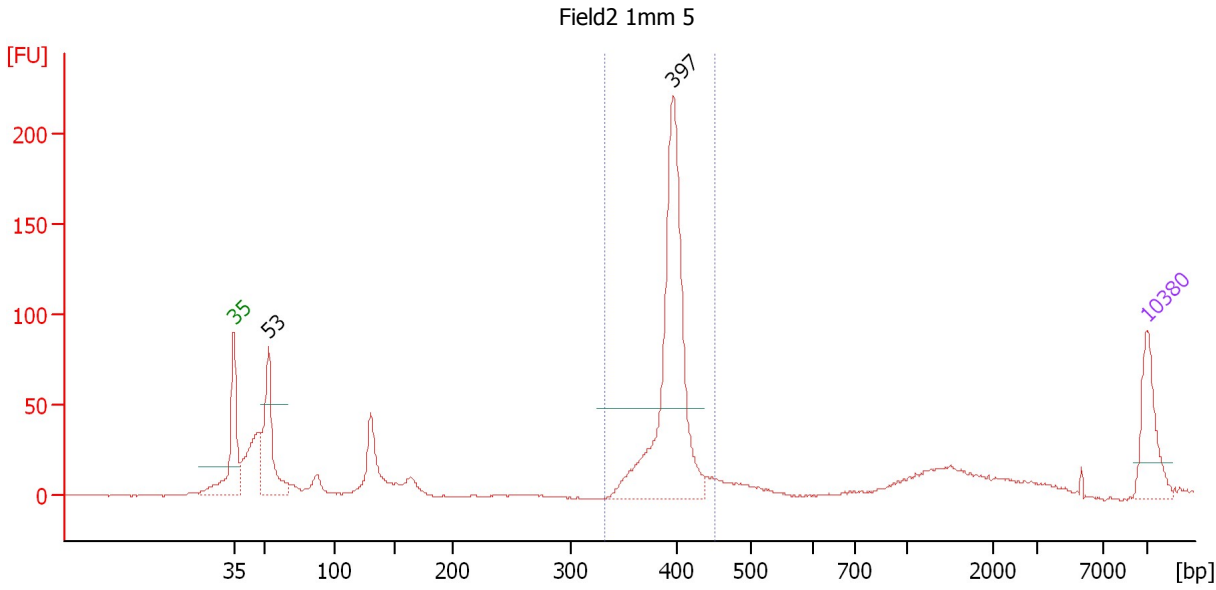
**Region table for sample 1 : Field2 Endo 3**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
334	467	396	1,706.0	444.90	394.6	58	4.2	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-30\2013-10-30\_005.xad

Created: 10/30/2013 11:56:15 AM  
 Modified: 10/30/2013 12:41:25 PM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 2 : Field2 1mm 5**

Height Threshold [FU] : 50

**Overall Results for sample 2 : Field2 1mm 5**

Number of peaks found: 2                      Corr. Area 1: 517.2  
 Noise: 0.3

**Peak table for sample 2 : Field2 1mm 5**

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	53	202.90	5,759.3	
3	397	546.39	2,085.2	
4	10,380	75.00	10.9	Upper Marker

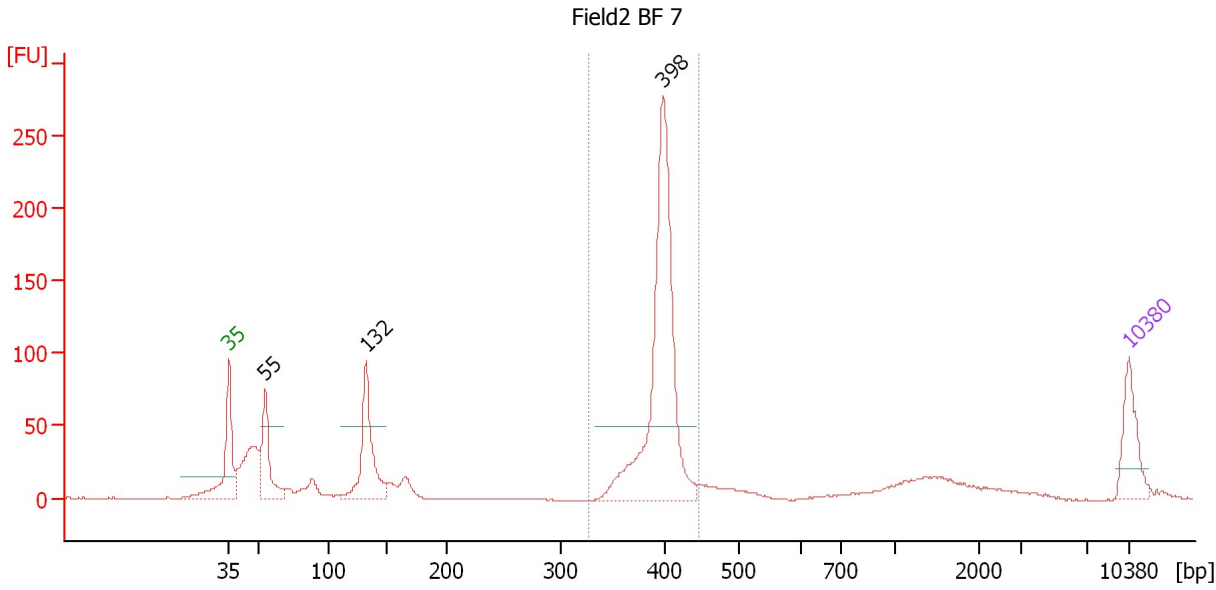
**Region table for sample 2 : Field2 1mm 5**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
332	451	396	2,006.9	523.79	517.2	50	4.0	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-30\2013-10-30\_005.xad

Created: 10/30/2013 11:56:15 AM  
 Modified: 10/30/2013 12:41:25 PM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 3 : Field2 BF 7**

Height Threshold [FU] : 50

**Overall Results for sample 3 : Field2 BF 7**

Number of peaks found: 3                      Corr. Area 1: 650.2  
 Noise: 0.4

**Peak table for sample 3 : Field2 BF 7**

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	55	174.42	4,816.2	
3	132	246.56	2,824.7	
4	398	679.26	2,588.8	
5	10,380	75.00	10.9	Upper Marker

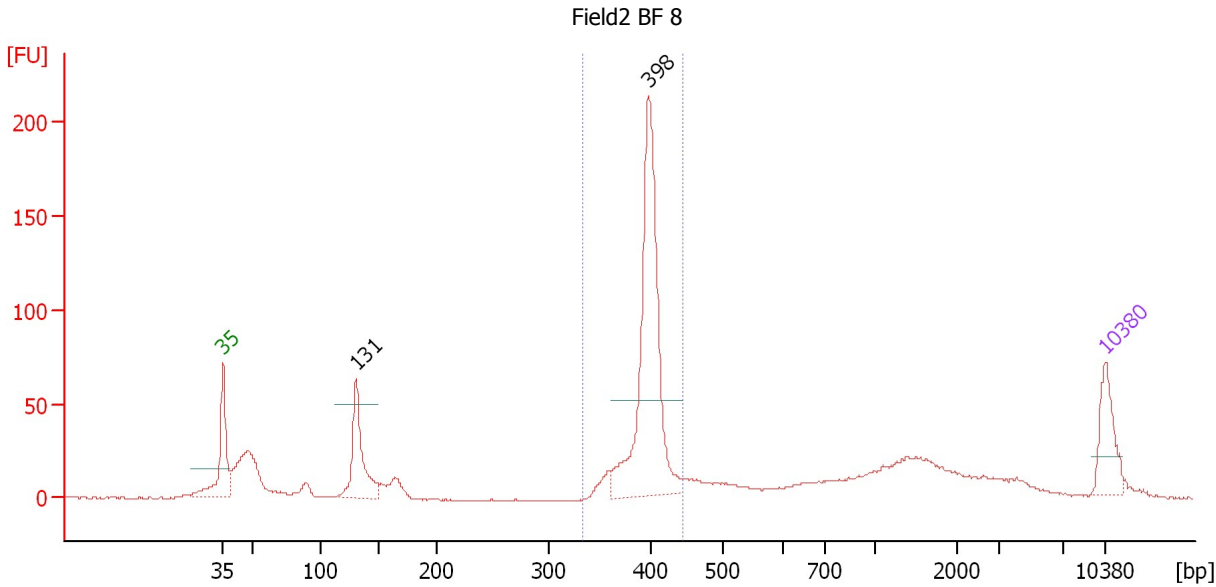
**Region table for sample 3 : Field2 BF 7**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
327	445	396	2,572.8	670.94	650.2	48	4.0	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-30\2013-10-30\_005.xad

Created: 10/30/2013 11:56:15 AM  
 Modified: 10/30/2013 12:41:25 PM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 4 : Field2 BF 8**

Height Threshold [FU] : 50

**Overall Results for sample 4 : Field2 BF 8**

Number of peaks found: 2                      Corr. Area 1: 481.6  
 Noise: 0.3

**Peak table for sample 4 : Field2 BF 8**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	131	208.06	2,408.4	
3	398	584.15	2,226.5	
4	10,380	75.00	10.9	Upper Marker

**Region table for sample 4 : Field2 BF 8**

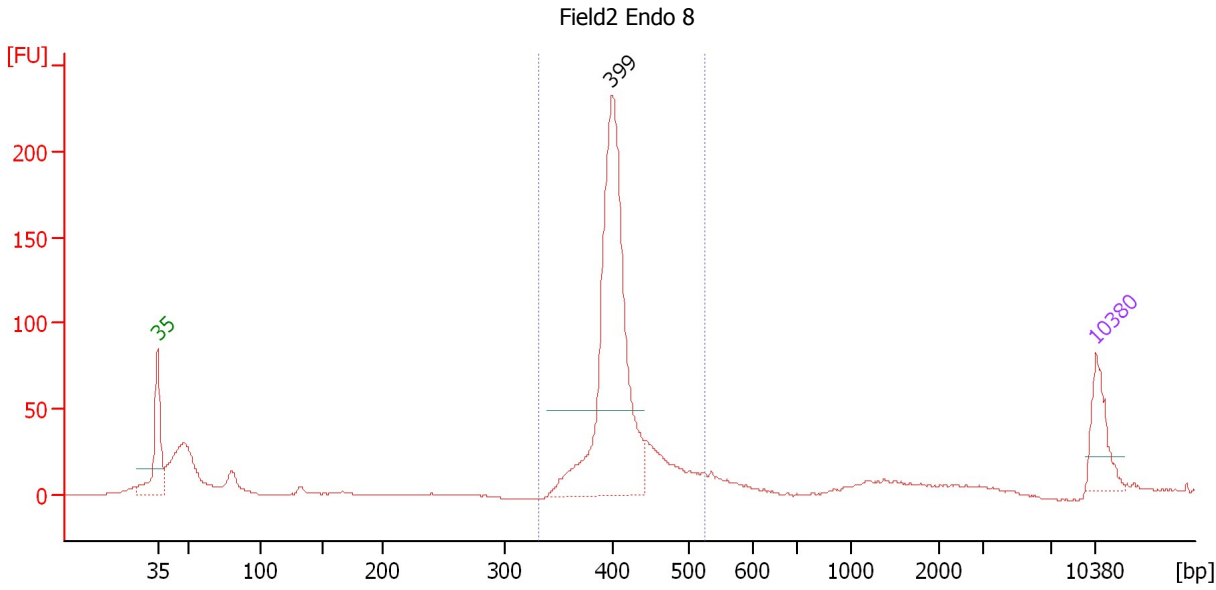
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
332	443	396	2,402.8	628.00	481.6	43	4.0	Blue



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-30\2013-10-30\_005.xad

Created: 10/30/2013 11:56:15 AM  
 Modified: 10/30/2013 12:41:25 PM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 5 : Field2 Endo 8**

Height Threshold [FU] : 50

**Overall Results for sample 5 : Field2 Endo 8**

Number of peaks found: 1                      Corr. Area 1: 740.0  
 Noise: 0.4

**Peak table for sample 5 : Field2 Endo 8**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	399	760.39	2,888.9	
3	10,380	75.00	10.9	Upper Marker

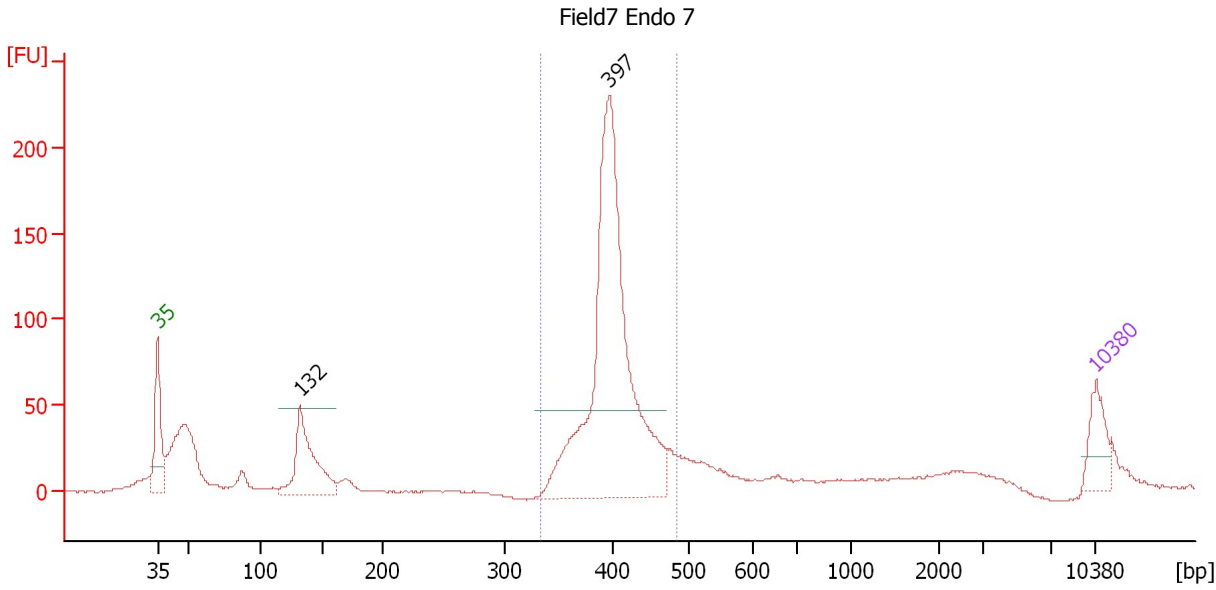
**Region table for sample 5 : Field2 Endo 8**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
331	524	411	3,175.6	857.33	740.0	71	7.4	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-30\2013-10-30\_005.xad

Created: 10/30/2013 11:56:15 AM  
 Modified: 10/30/2013 12:41:25 PM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 6 : Field7 Endo 7**

Height Threshold [FU] : 50

**Overall Results for sample 6 : Field7 Endo 7**

Number of peaks found: 2                      Corr. Area 1: 852.1  
 Noise: 0.5

**Peak table for sample 6 : Field7 Endo 7**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	132	297.77	3,417.6	
3	397	1,215.94	4,643.3	
4	10,380	75.00	10.9	Upper Marker

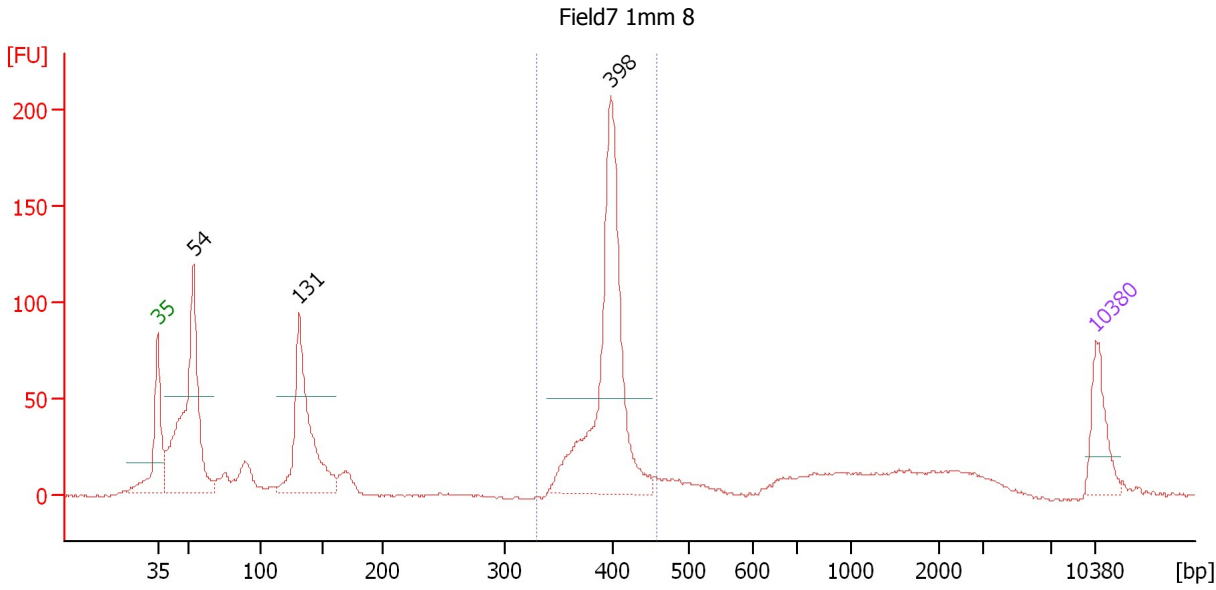
**Region table for sample 6 : Field7 Endo 7**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
334	483	403	4,395.6	1,165.79	852.1	58	6.6	Blue square

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-30\2013-10-30\_005.xad

Created: 10/30/2013 11:56:15 AM  
 Modified: 10/30/2013 12:41:25 PM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 7 : Field7 1mm 8**

Height Threshold [FU] : 50

**Overall Results for sample 7 : Field7 1mm 8**

Number of peaks found: 3                      Corr. Area 1: 503.6  
 Noise: 0.5

**Peak table for sample 7 : Field7 1mm 8**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	54	566.01	16,017.5	
3	131	383.35	4,438.3	
4	398	598.29	2,278.9	
5	10,380	75.00	10.9	Upper Marker

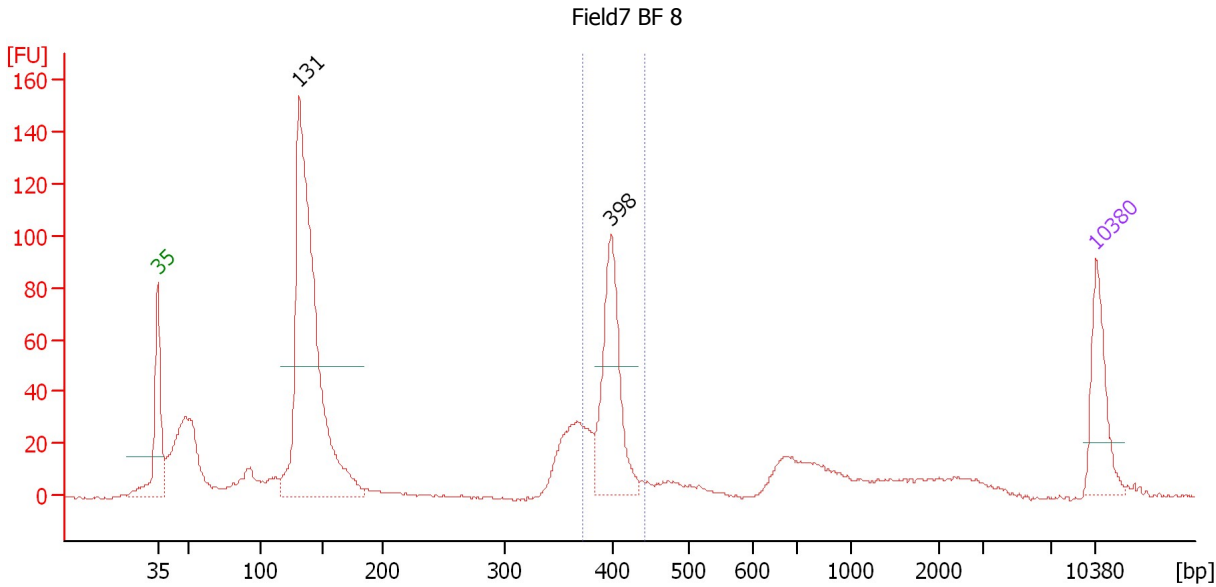
**Region table for sample 7 : Field7 1mm 8**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
330	458	396	2,310.5	603.27	503.6	37	4.7	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-30\2013-10-30\_005.xad

Created: 10/30/2013 11:56:15 AM  
 Modified: 10/30/2013 12:41:25 PM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 8 : Field7 BF 8**

Height Threshold [FU] : 50

**Overall Results for sample 8 : Field7 BF 8**

Number of peaks found: 2                      Corr. Area 1: 225.9  
 Noise: 0.5

**Peak table for sample 8 : Field7 BF 8**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	131	780.77	9,010.9	
3	398	215.09	818.0	
4	10,380	75.00	10.9	Upper Marker

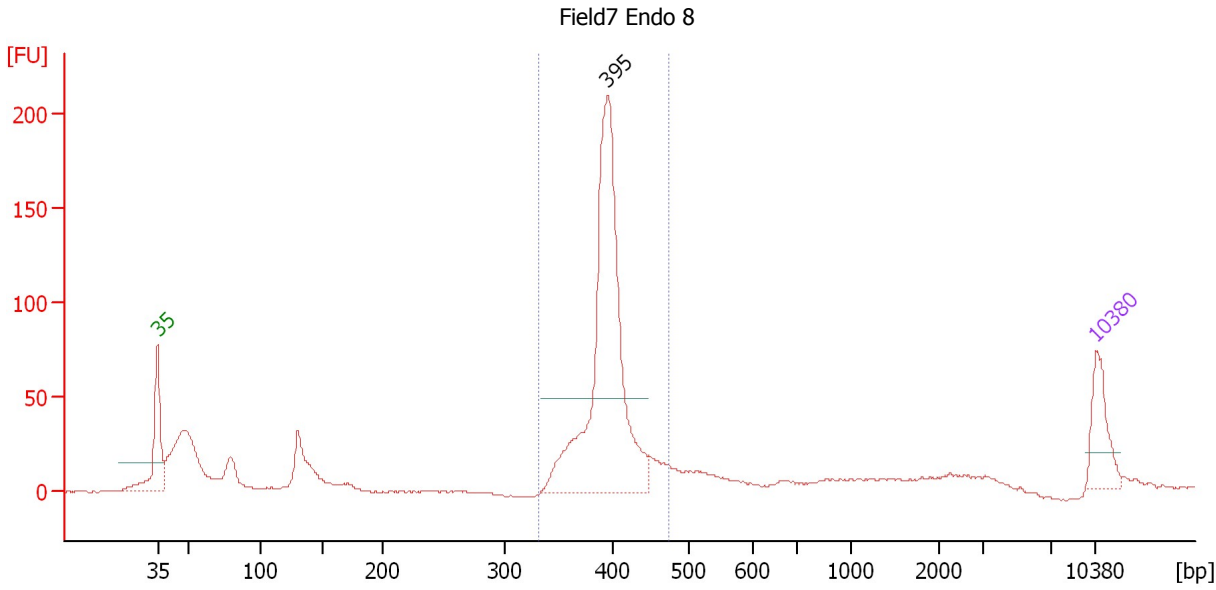
**Region table for sample 8 : Field7 BF 8**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
372	442	397	954.1	249.94	225.9	20	3.2	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-30\2013-10-30\_005.xad

Created: 10/30/2013 11:56:15 AM  
 Modified: 10/30/2013 12:41:25 PM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 9 : Field7 Endo 8**

Height Threshold [FU] : 50

**Overall Results for sample 9 : Field7 Endo 8**

Number of peaks found: 1                      Corr. Area 1: 634.7  
 Noise: 0.4

**Peak table for sample 9 : Field7 Endo 8**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	395	766.15	2,937.3	
3	10,380	75.00	10.9	Upper Marker

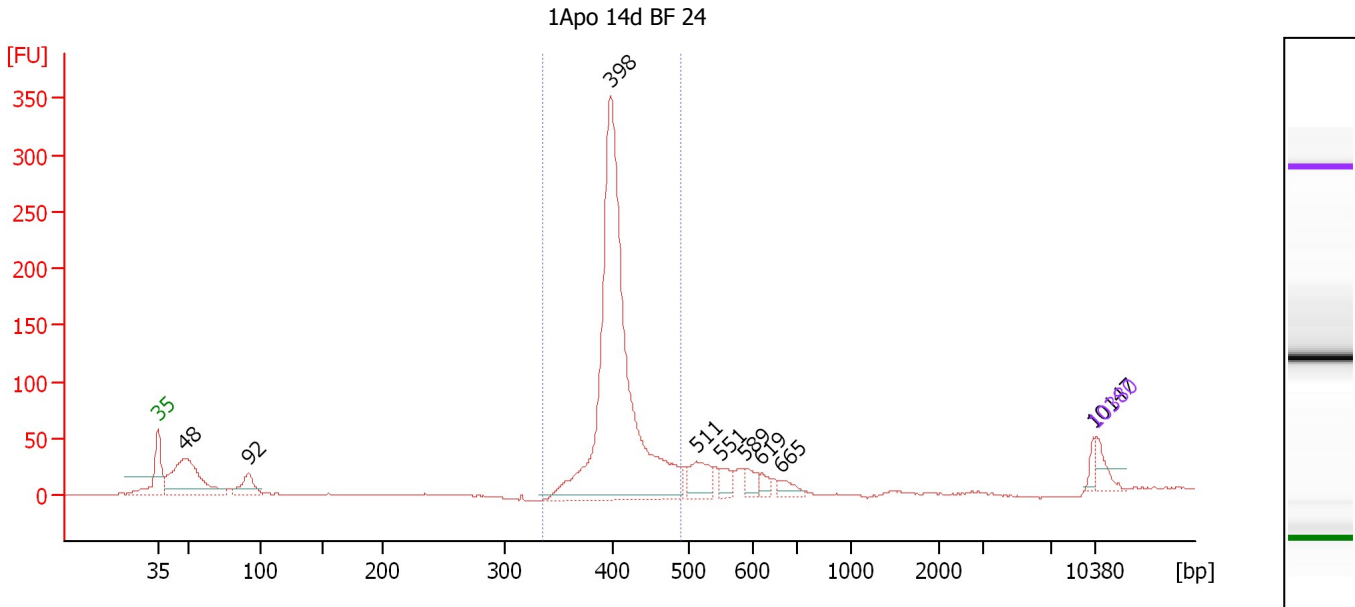
**Region table for sample 9 : Field7 Endo 8**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
333	474	397	2,990.6	781.98	634.7	58	5.7	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-30\2013-10-30\_005.xad

Created: 10/30/2013 11:56:15 AM  
 Modified: 10/30/2013 12:41:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : 1Apo 14d BF 24**

Number of peaks found: 9                      Corr. Area 1: 943.2  
 Noise: 0.6

**Peak table for sample 10 : 1Apo 14d BF 24**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	48	722.16	22,854.7	
3	92	168.02	2,774.0	
4	398	2,860.58	10,892.2	
5	511	181.26	537.9	
6	551	74.73	205.5	
7	589	78.40	201.8	
8	619	47.32	115.9	
9	665	63.06	143.6	
10	10,147	40.23	6.0	
11	10,380	75.00	10.9	Upper Marker

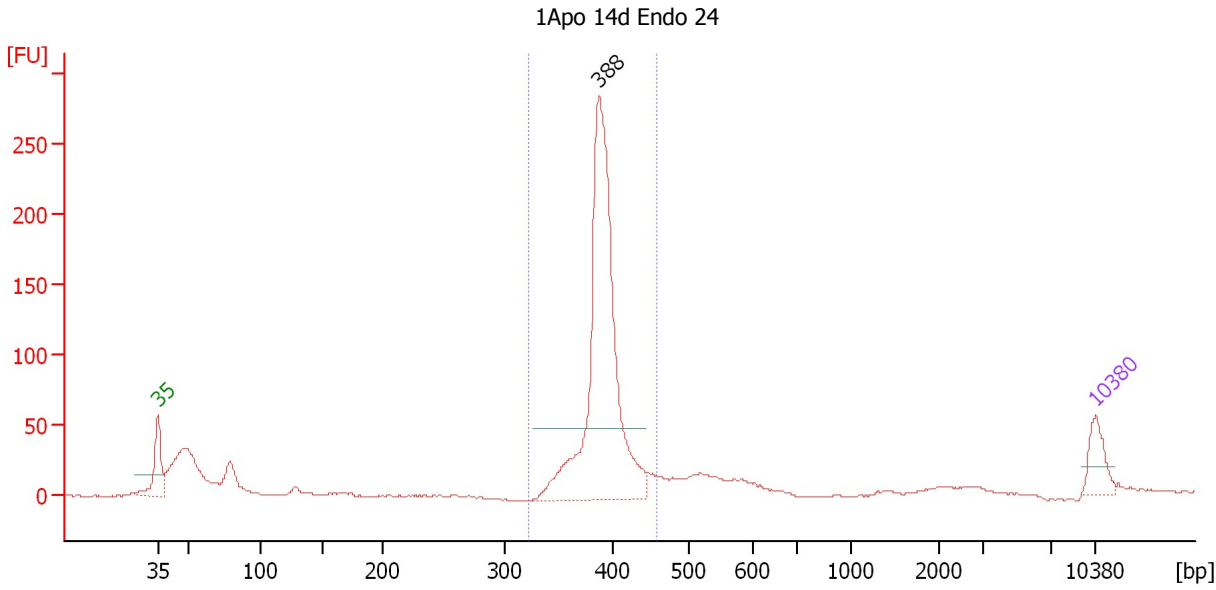
**Region table for sample 10 : 1Apo 14d BF 24**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
335	490	408	9,672.6	2,600.30	943.2	68	6.0	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-30\2013-10-30\_005.xad

Created: 10/30/2013 11:56:15 AM  
 Modified: 10/30/2013 12:41:25 PM

**Electropherogram Summary Continued ...**



**Setpoint Deviations for sample 11 : 1Apo 14d Endo 24**

Height Threshold [FU] : 50

**Overall Results for sample 11 : 1Apo 14d Endo 24**

Number of peaks found: 1                      Corr. Area 1: 763.6  
 Noise: 0.5

**Peak table for sample 11 : 1Apo 14d Endo 24**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	388	1,279.00	5,000.7	
3	10,380	75.00	10.9	Upper Marker

**Region table for sample 11 : 1Apo 14d Endo 24**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
322	459	392	4,798.5	1,238.91	763.6	64	4.7	Blue

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-30\2013-10-30\_005.xad

Created: 10/30/2013 11:56:15 AM  
Modified: 10/30/2013 12:41:25 PM

**Gel Image**

