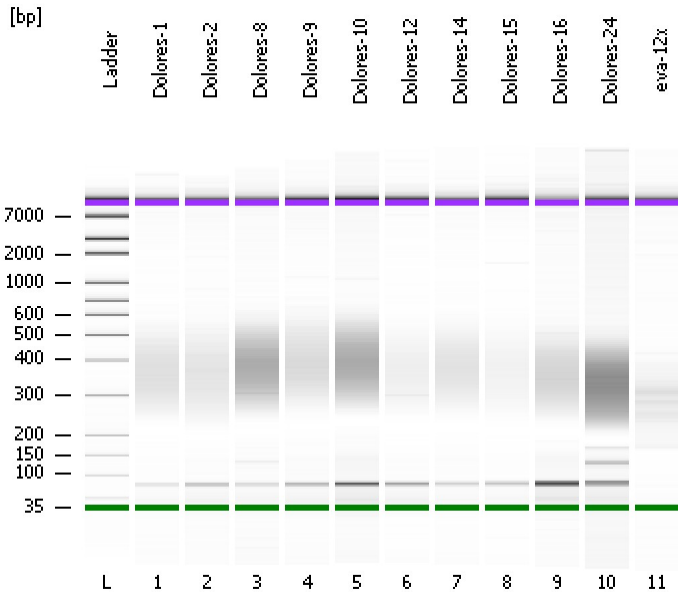


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31\_004.xad

Created: 1/31/2014 5:34:05 PM  
Modified: 1/31/2014 6:14:31 PM

**Electrophoresis File Run Summary**



Instrument Information:

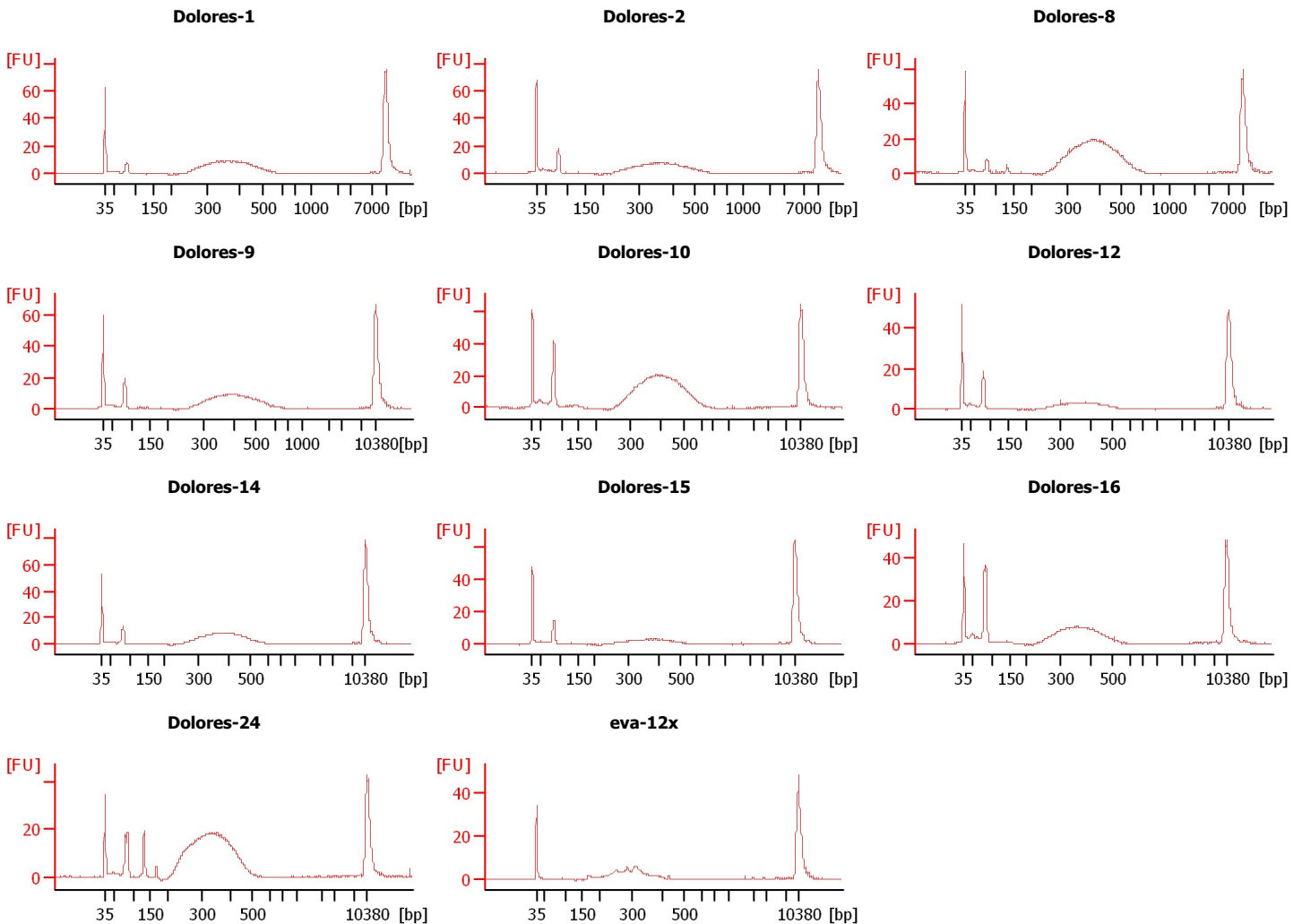
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

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:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31\_004.xad

Created: 1/31/2014 5:34:05 PM  
Modified: 1/31/2014 6:14:31 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Dolores-1		<input type="checkbox"/>	✓			
Dolores-2		<input type="checkbox"/>	✓			
Dolores-8		<input type="checkbox"/>	✓			
Dolores-9		<input type="checkbox"/>	✓			
Dolores-10		<input type="checkbox"/>	✓			
Dolores-12		<input type="checkbox"/>	✓			
Dolores-14		<input type="checkbox"/>	✓			
Dolores-15		<input type="checkbox"/>	✓			
Dolores-16		<input type="checkbox"/>	✓			
Dolores-24		<input type="checkbox"/>	✓			
eva-12x		<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\2014-01-31\2014-01-31\_004.xad

Created: 1/31/2014 5:34:05 PM  
Modified: 1/31/2014 6:14:31 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/ $\mu$ l] : 1950  
Uses Standard Area for Ladder Fragments  
Lower Marker Concentration [pg/ $\mu$ l] : 125  
Upper Marker Concentration [pg/ $\mu$ l] : 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

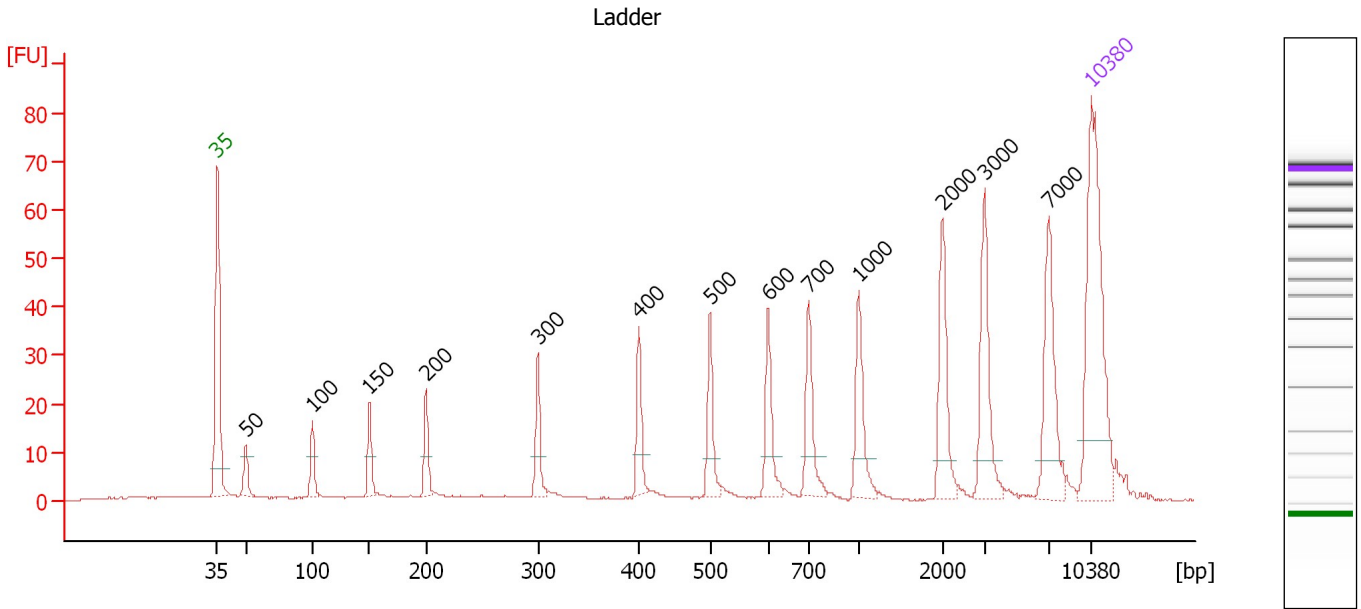
**Ladder**

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\2014-01-31\2014-01-31\_004.xad

Created: 1/31/2014 5:34:05 PM  
 Modified: 1/31/2014 6:14:31 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

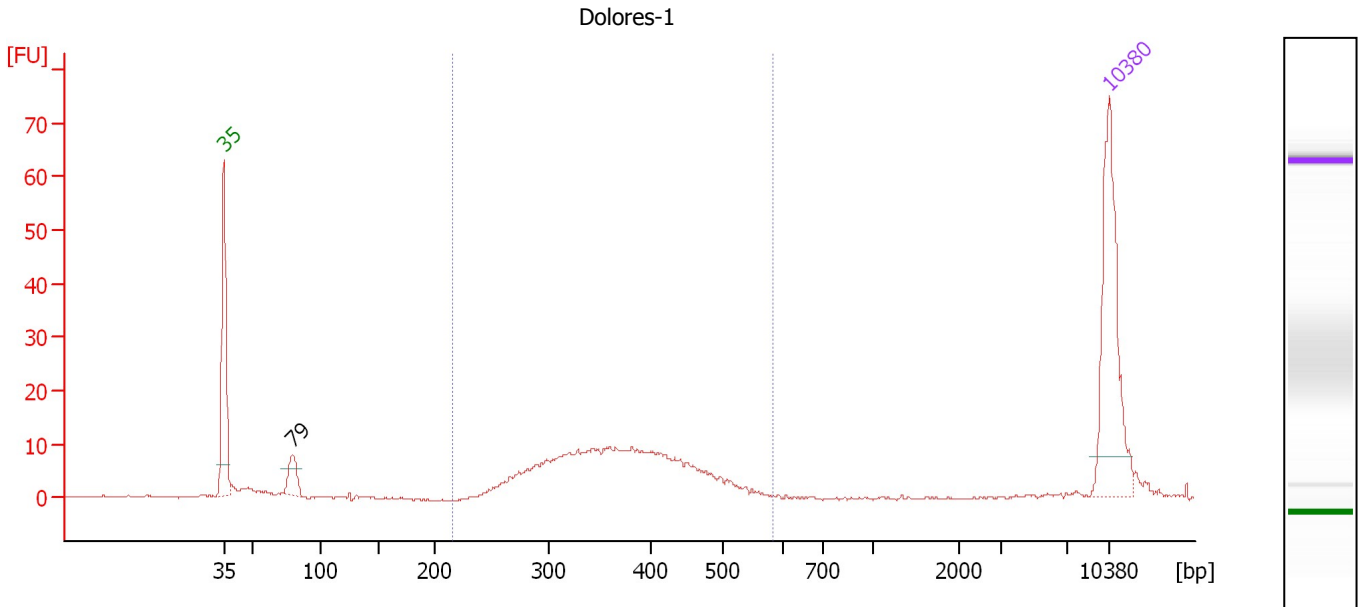
**Peak table for Ladder**

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	45.26	50	150.00	4,545.5	Ladder Peak
3	50.60	100	150.00	2,272.7	Ladder Peak
4	55.17	150	150.00	1,515.2	Ladder Peak
5	59.70	200	150.00	1,136.4	Ladder Peak
6	68.67	300	150.00	757.6	Ladder Peak
7	76.78	400	150.00	568.2	Ladder Peak
8	82.46	500	150.00	454.5	Ladder Peak
9	87.12	600	150.00	378.8	Ladder Peak
10	90.36	700	150.00	324.7	Ladder Peak
11	94.38	1,000	150.00	227.3	Ladder Peak
12	101.08	2,000	150.00	113.6	Ladder Peak
13	104.46	3,000	150.00	75.8	Ladder Peak
14	109.58	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\2014-01-31\2014-01-31\_004.xad

Created: 1/31/2014 5:34:05 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : Dolores-1**

Number of peaks found: 1                      Corr. Area 1: 163.9  
 Noise: 0.2

**Peak table for sample 1 : Dolores-1**

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	48.39	79	22.15	423.2	
3	113.00	10,380	75.00	10.9	Upper Marker

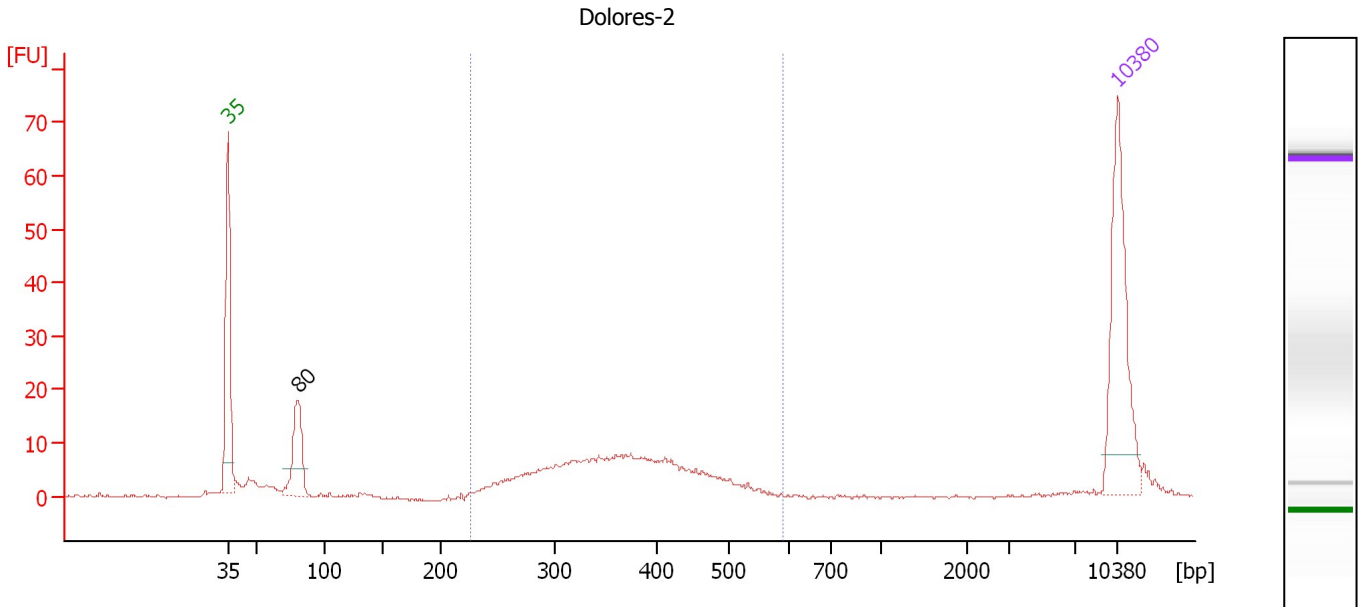
**Region table for sample 1 : Dolores-1**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
215	585	370	858.2	200.74	163.9	87	17.4	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31\_004.xad

Created: 1/31/2014 5:34:05 PM  
 Modified: 1/31/2014 6:14:31 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : Dolores-2**

Number of peaks found: 1                      Corr. Area 1: 149.2  
 Noise: 0.2

**Peak table for sample 2 : Dolores-2**

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	48.49	80	57.52	1,085.8	
3	113.00	10,380	75.00	10.9	Upper Marker

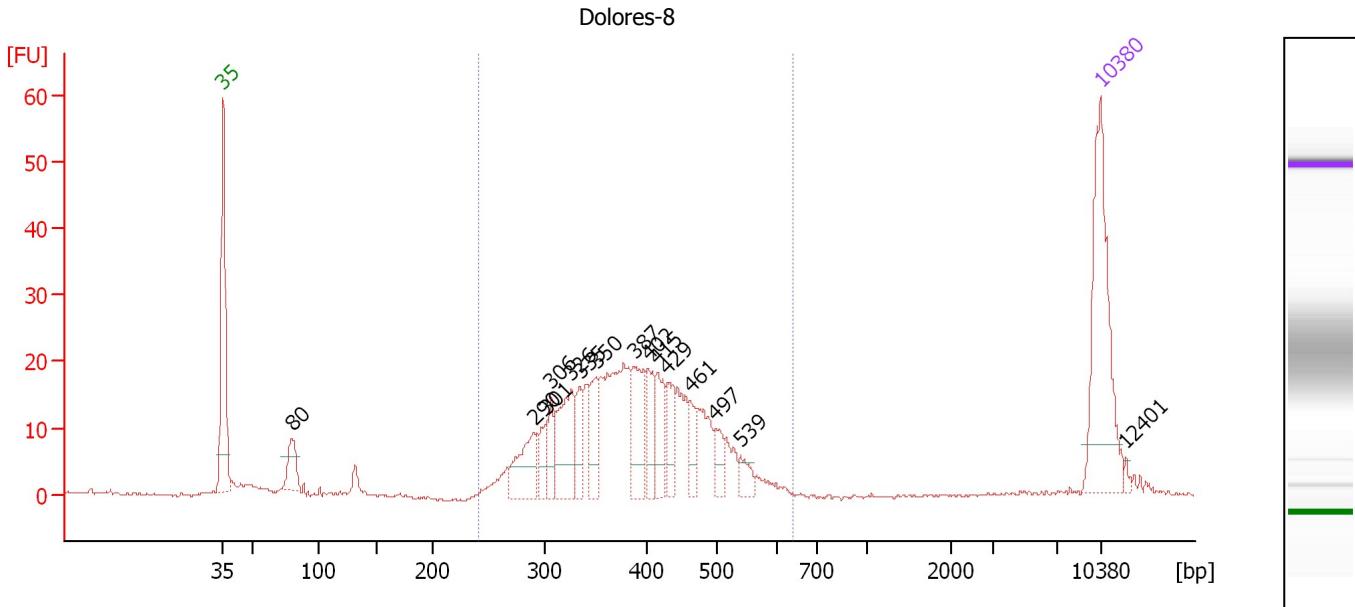
**Region table for sample 2 : Dolores-2**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
227	590	366	820.2	188.10	149.2	71	19.3	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31\_004.xad

Created: 1/31/2014 5:34:05 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : Dolores-8**

Number of peaks found: 15                      Corr. Area 1: 367.7  
 Noise: 0.1

**Peak table for sample 3 : Dolores-8**

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	48.49	80	26.32	497.1	
3	67.81	290	40.00	208.7	
4	68.79	301	18.08	90.9	
5	69.17	306	16.71	82.7	
6	70.74	326	52.03	242.1	
7	71.47	335	19.41	87.9	
8	72.74	350	25.01	108.2	
9	75.77	387	42.22	165.1	
10	76.91	402	23.69	89.2	
11	77.64	415	26.36	96.2	
12	78.40	429	23.34	82.5	
13	80.23	461	13.56	44.6	
14	82.28	497	12.95	39.5	
15	84.28	539	10.51	29.5	
16	113.00	10,380	75.00	10.9	Upper Marker
17	115.04	12,401	0.00	0.0	

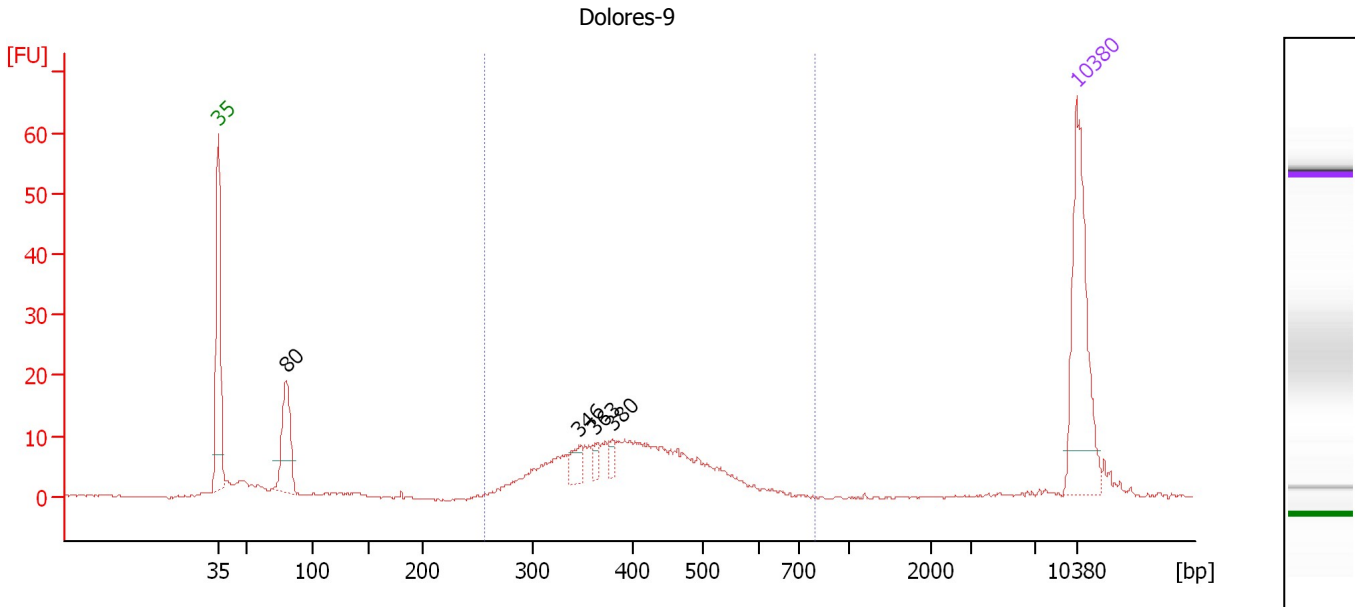
**Region table for sample 3 : Dolores-8**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
240	641	392	2,115.8	521.20	367.7	91	18.7	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31\_004.xad

Created: 1/31/2014 5:34:05 PM  
 Modified: 1/31/2014 6:14:31 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : Dolores-9**

Number of peaks found: 4                      Corr. Area 1: 173.6  
 Noise: 0.2

**Peak table for sample 4 : Dolores-9**

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	48.48	80	61.94	1,171.1	
3	72.41	346	12.27	53.7	
4	73.76	363	6.58	27.5	
5	75.19	380	6.51	25.9	
6	113.00	10,380	75.00	10.9	Upper Marker

**Region table for sample 4 : Dolores-9**

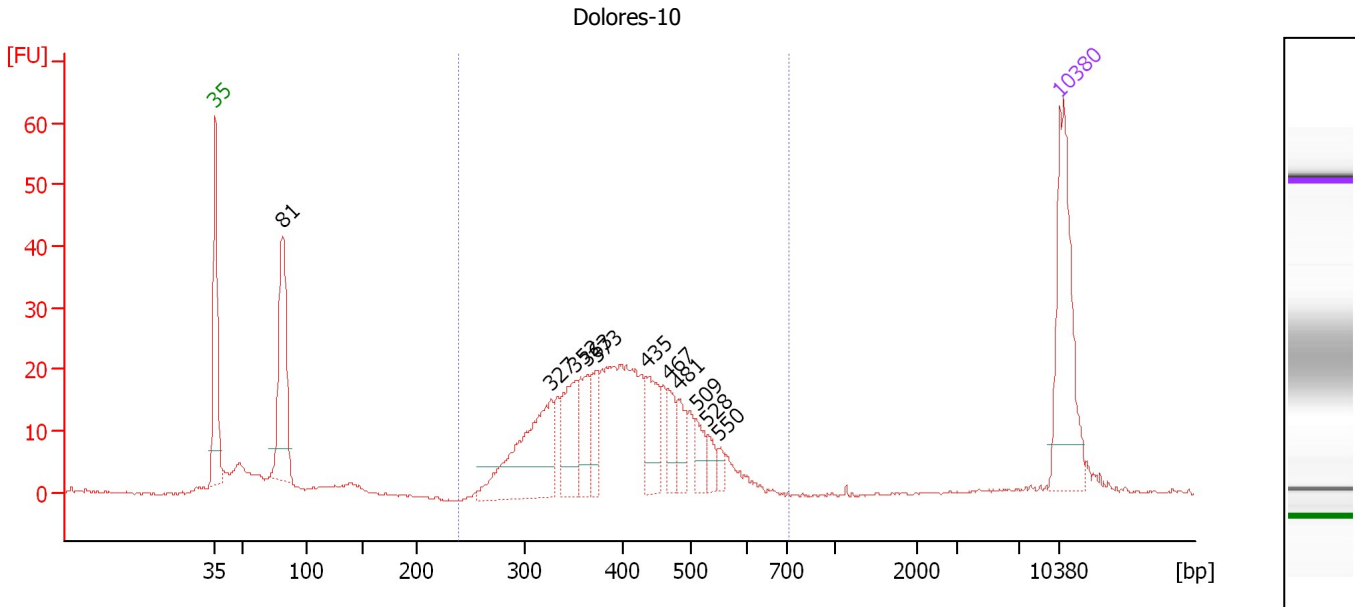
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
256	798	408	933.2	239.16	173.6	73	19.5	Blue



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31\_004.xad

Created: 1/31/2014 5:34:05 PM  
 Modified: 1/31/2014 6:14:31 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : Dolores-10**

Number of peaks found: 11                      Corr. Area 1: 384.1  
 Noise: 0.2

**Peak table for sample 5 : Dolores-10**

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	48.57	81	124.55	2,331.2	
3	70.84	327	109.90	509.6	
4	72.87	352	48.50	208.8	
5	73.80	363	35.31	147.3	
6	74.55	373	22.92	93.2	
7	78.75	435	39.62	138.1	
8	80.56	467	19.89	64.6	
9	81.36	481	19.34	61.0	
10	82.86	509	15.53	46.3	
11	83.79	528	10.16	29.1	
12	84.81	550	5.74	15.8	
13	113.00	10,380	75.00	10.9	Upper Marker

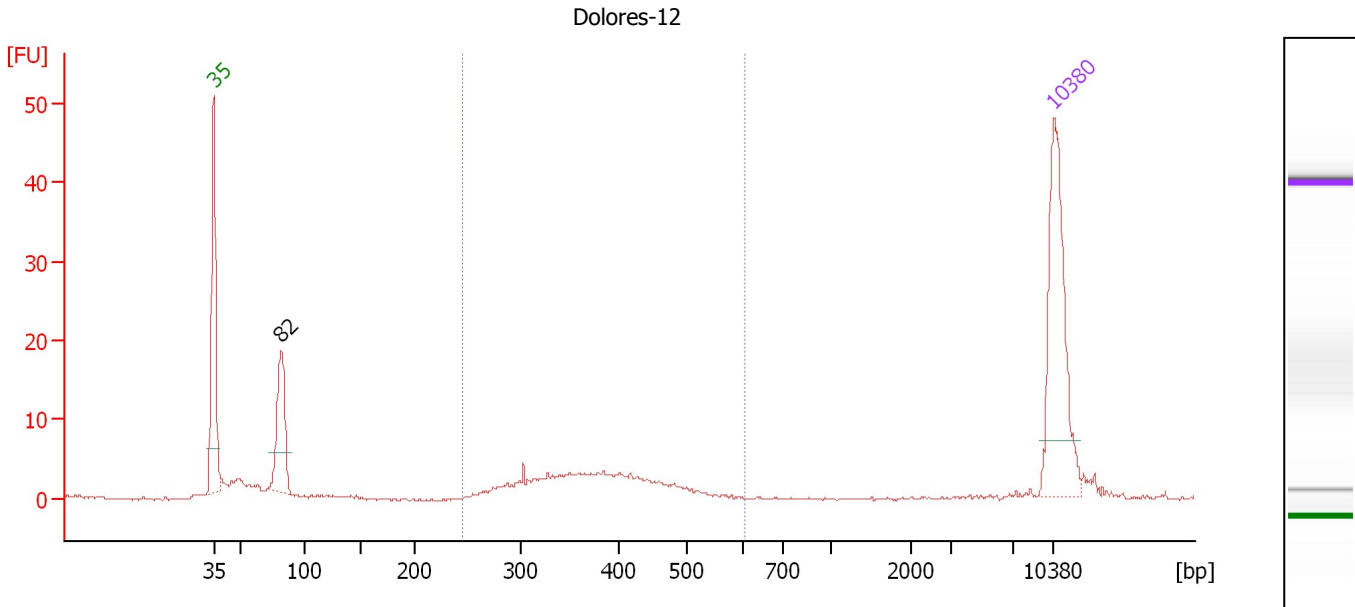
**Region table for sample 5 : Dolores-10**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
239	716	405	2,000.4	510.51	384.1	76	18.5	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31\_004.xad

Created: 1/31/2014 5:34:05 PM  
 Modified: 1/31/2014 6:14:31 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : Dolores-12**

Number of peaks found: 1                      Corr. Area 1: 54.3  
 Noise: 0.1

**Peak table for sample 6 : Dolores-12**

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	48.64	82	69.34	1,286.5	
3	113.00	10,380	75.00	10.9	Upper Marker

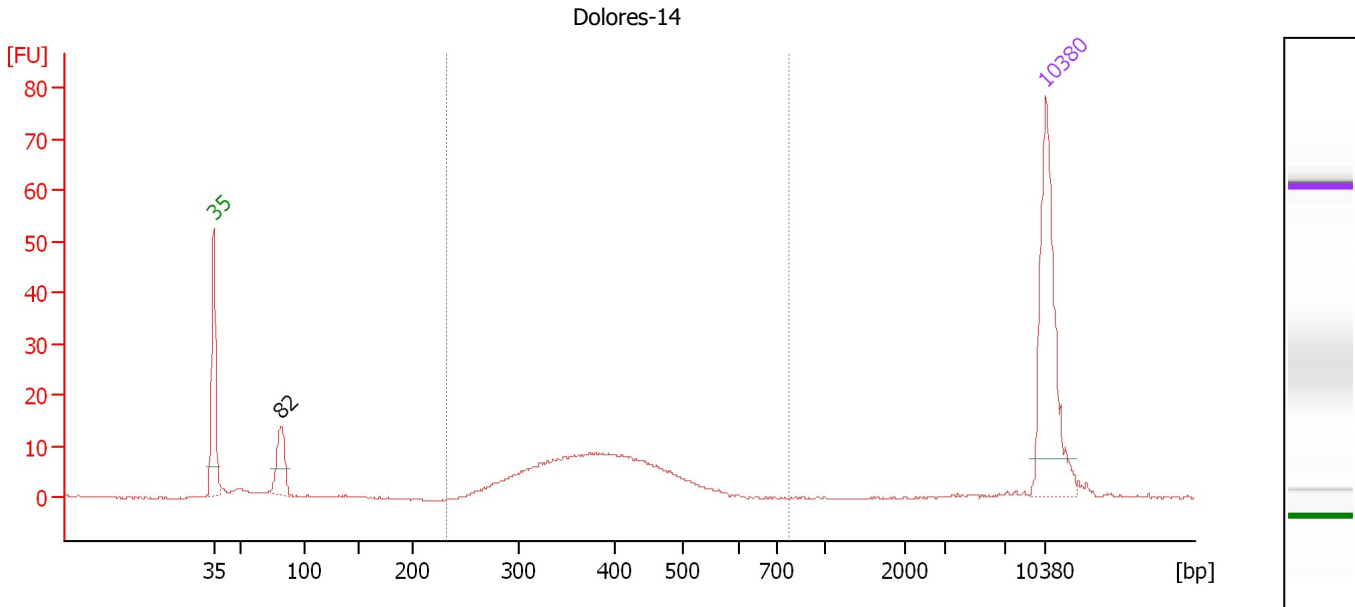
**Region table for sample 6 : Dolores-12**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
244	604	378	376.0	90.24	54.3	51	17.2	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31\_004.xad

Created: 1/31/2014 5:34:05 PM  
 Modified: 1/31/2014 6:14:31 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : Dolores-14**

Number of peaks found: 1                      Corr. Area 1: 149.5  
 Noise: 0.1

**Peak table for sample 7 : Dolores-14**

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	48.65	82	35.35	655.4	
3	113.00	10,380	75.00	10.9	Upper Marker

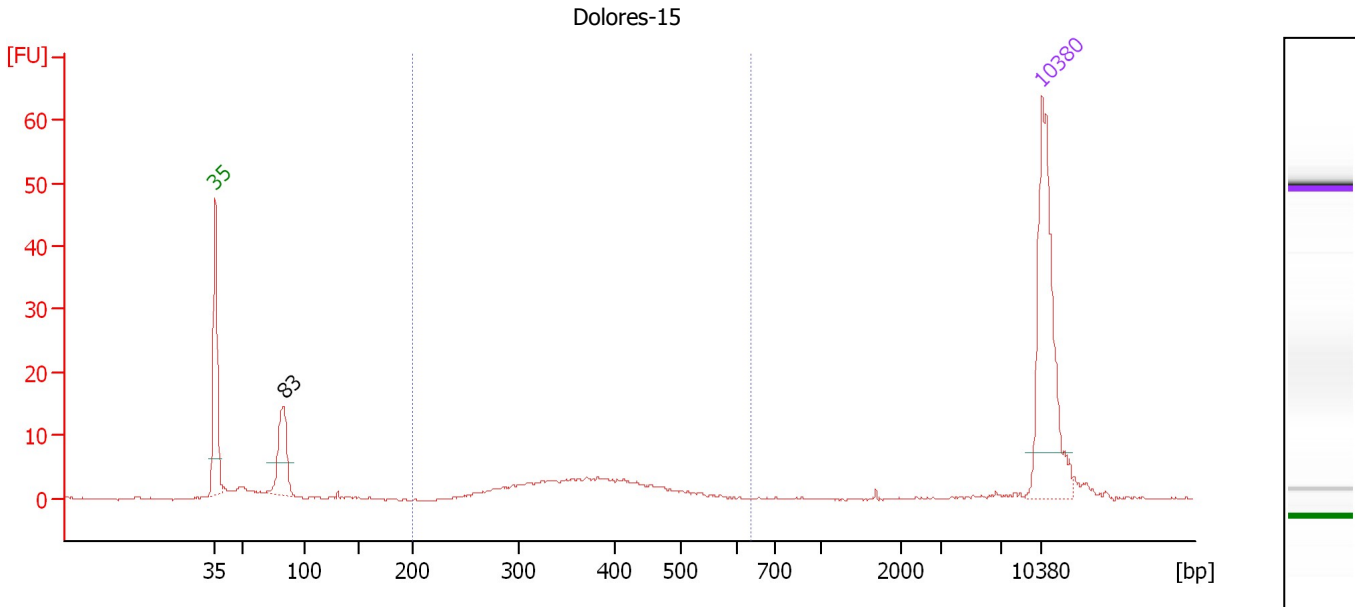
**Region table for sample 7 : Dolores-14**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
231	779	387	689.4	169.11	149.5	80	17.5	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31\_004.xad

Created: 1/31/2014 5:34:05 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : Dolores-15**

Number of peaks found: 1                      Corr. Area 1: 59.6  
 Noise: 0.1

**Peak table for sample 8 : Dolores-15**

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	48.78	83	47.02	859.0	
3	113.00	10,380	75.00	10.9	Upper Marker

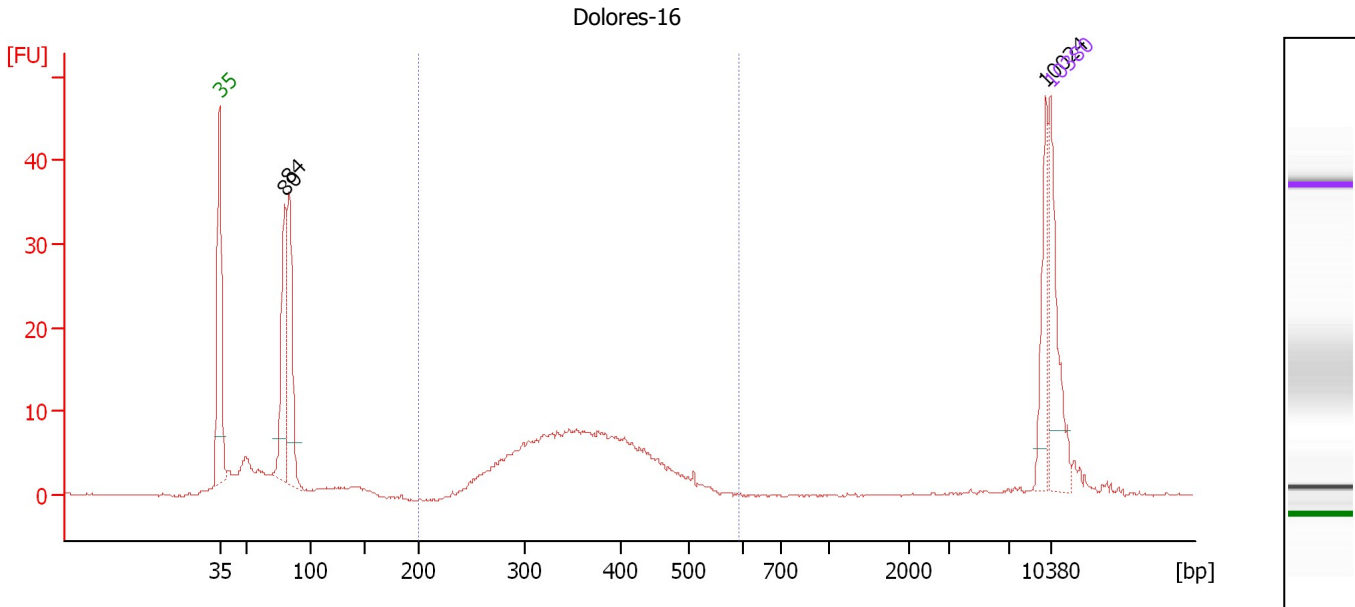
**Region table for sample 8 : Dolores-15**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	637	378	335.3	79.69	59.6	54	18.8	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31\_004.xad

Created: 1/31/2014 5:34:05 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : Dolores-16**

Number of peaks found: 3                      Corr. Area 1: 141.7  
 Noise: 0.1

**Peak table for sample 9 : Dolores-16**

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	48.48	80	151.69	2,867.9	
3	48.84	84	160.28	2,908.3	
4	112.64	10,024	49.78	7.5	
5	113.00	10,380	75.00	10.9	Upper Marker

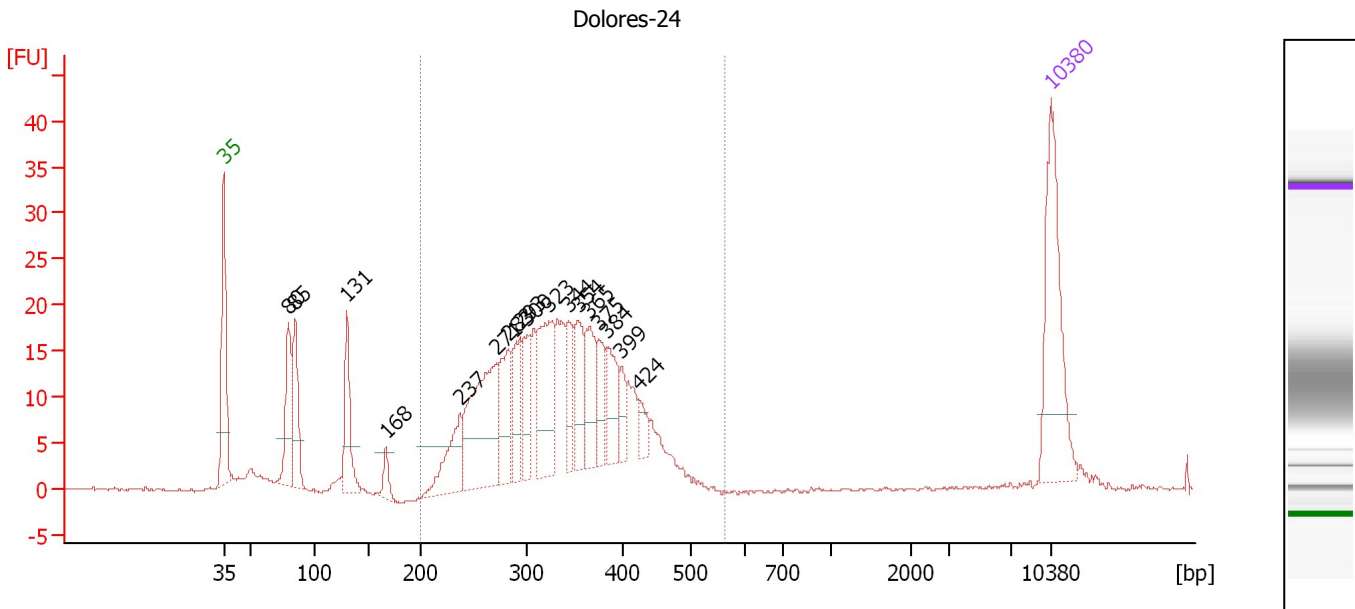
**Region table for sample 9 : Dolores-16**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	591	365	1,910.0	440.84	141.7	49	17.7	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31\_004.xad

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 Modified: 1/31/2014 6:14:31 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : Dolores-24**

Number of peaks found: 17      Corr. Area 1: 321.2  
 Noise: 0.2

**Peak table for sample 10 : Dolores-24**

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	48.46	80	61.99	1,174.9	
3	49.05	85	58.74	1,041.7	
4	53.43	131	55.19	638.9	
5	56.77	168	13.79	124.7	
6	63.04	237	49.54	316.4	
7	66.11	271	120.59	673.1	
8	67.10	283	45.81	245.7	
9	68.05	293	39.39	203.6	
10	68.68	300	30.58	154.4	
11	70.53	323	77.61	364.1	
12	72.20	344	28.57	126.0	
13	73.01	354	41.77	179.0	
14	73.96	365	40.06	166.2	
15	74.77	375	25.39	102.5	
16	75.45	384	35.29	139.4	
17	76.67	399	15.14	57.5	
18	78.16	424	13.30	47.5	
19	113.00	10,380	75.00	10.9	Upper Marker

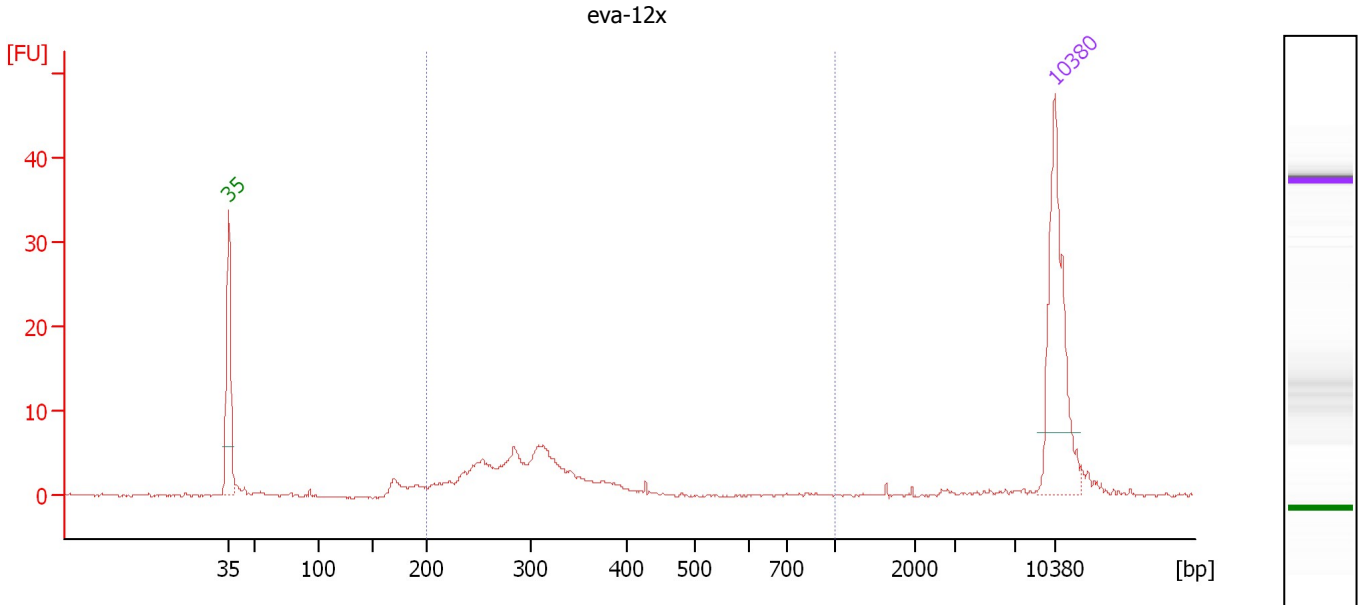
**Region table for sample 10 : Dolores-24**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	564	332	3,372.6	708.82	321.2	83	17.1	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31\_004.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : eva-12x**

Number of peaks found: 0                      Corr. Area 1: 74.4  
 Noise: 0.1

**Peak table for sample 11 : eva-12x**

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	113.00	10,380	75.00	10.9	Upper Marker

**Region table for sample 11 : eva-12x**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	303	804.2	153.84	74.4	81	22.7	Blue

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31\_004.xad

Created: 1/31/2014 5:34:05 PM  
Modified: 1/31/2014 6:14:31 PM

**Gel Image**

