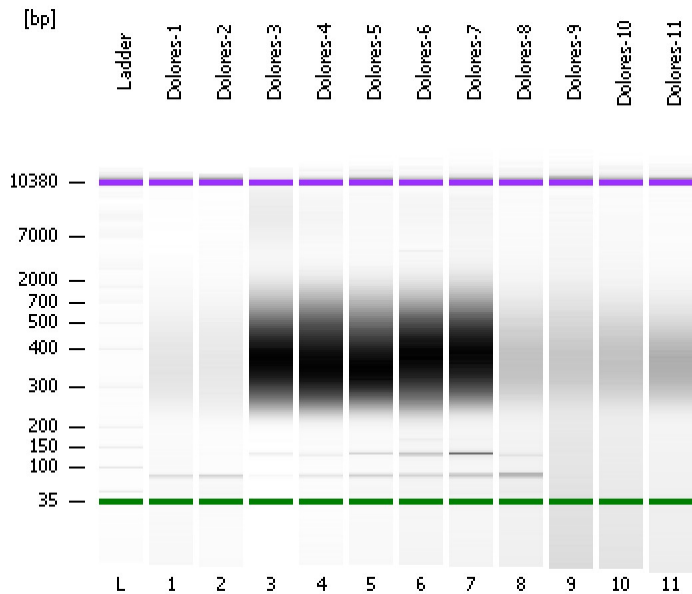


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31_001.xad

Created: 1/31/2014 9:53:19 AM
Modified: 1/31/2014 10:35:29 AM

Electrophoresis File Run Summary



Instrument Information:

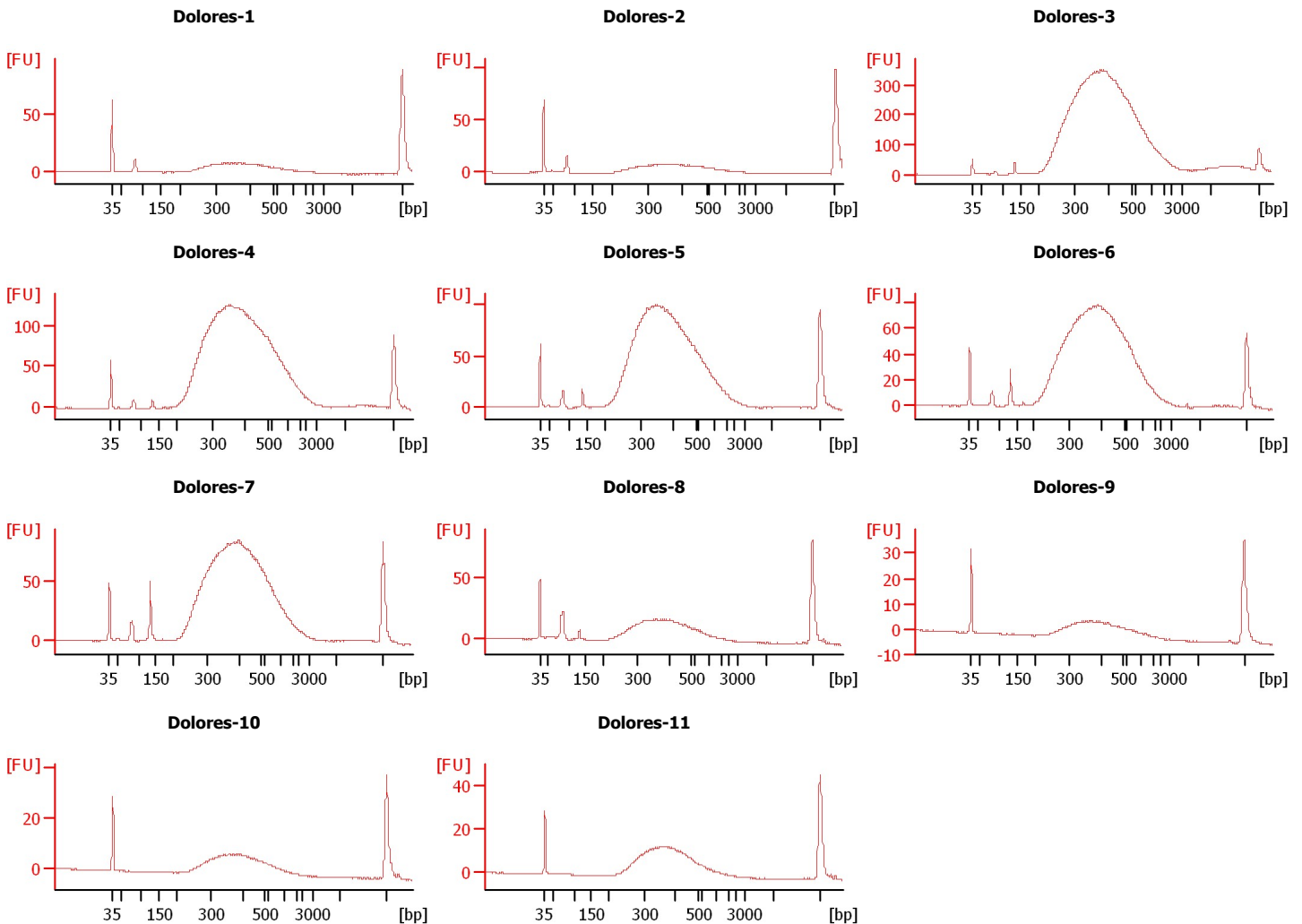
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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_001.xad

Created: 1/31/2014 9:53:19 AM
 Modified: 1/31/2014 10:35:29 AM

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-3		<input type="checkbox"/>	✓			
Dolores-4		<input type="checkbox"/>	✓			
Dolores-5		<input type="checkbox"/>	✓			
Dolores-6		<input type="checkbox"/>	✓			
Dolores-7		<input type="checkbox"/>	✓			
Dolores-8		<input type="checkbox"/>	✓			
Dolores-9		<input type="checkbox"/>	✓			
Dolores-10		<input type="checkbox"/>	✓			
Dolores-11		<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_001.xad

Created: 1/31/2014 9:53:19 AM
Modified: 1/31/2014 10:35:29 AM

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

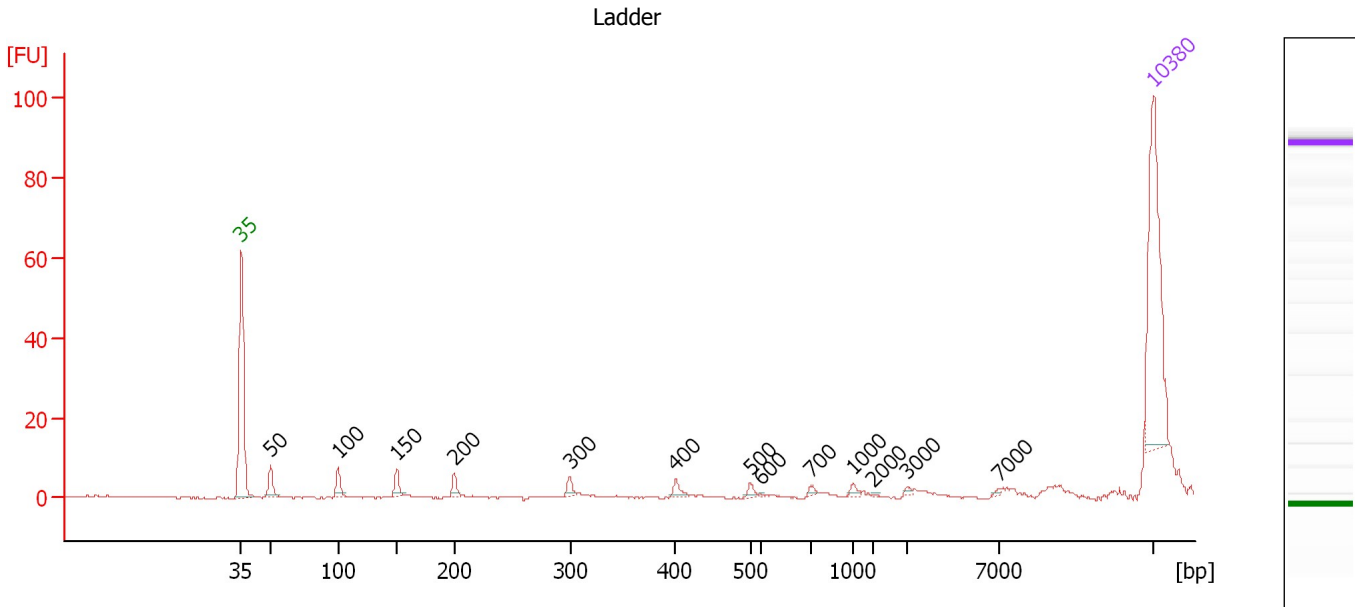
Ladder

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\2014-01-31\2014-01-31_001.xad

Created: 1/31/2014 9:53:19 AM
 Modified: 1/31/2014 10:35:29 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

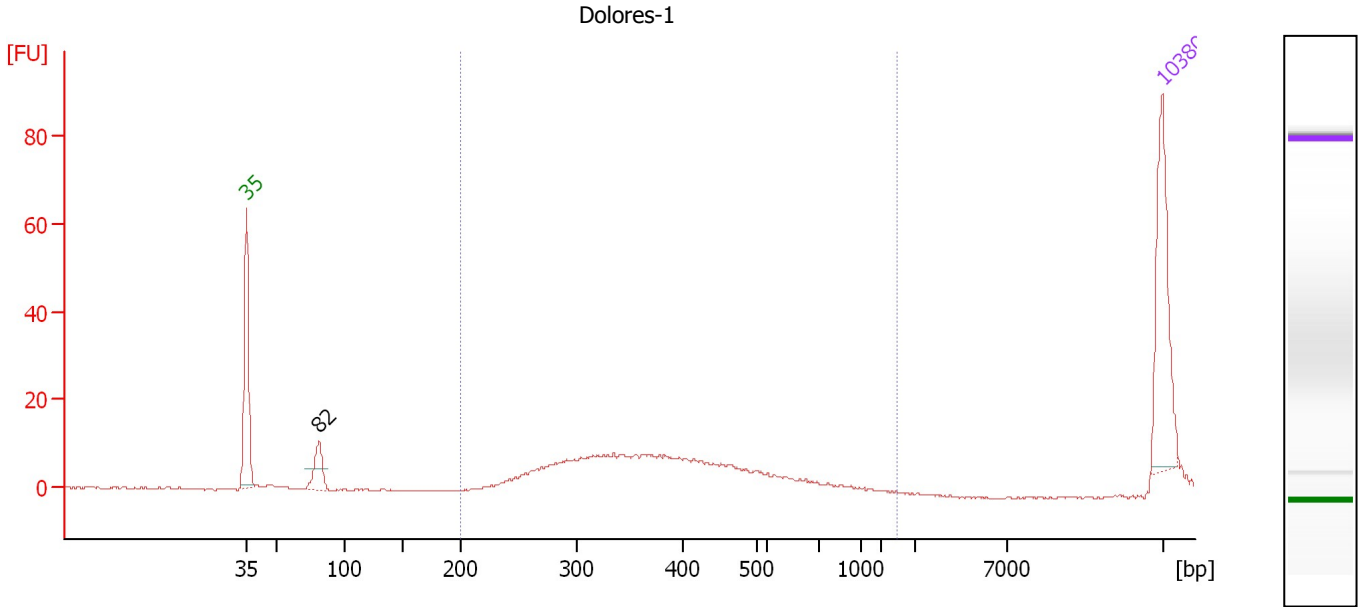
Peak table for Ladder

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	45.25	50	150.00	4,545.5	Ladder Peak
3	50.45	100	150.00	2,272.7	Ladder Peak
4	54.91	150	150.00	1,515.2	Ladder Peak
5	59.32	200	150.00	1,136.4	Ladder Peak
6	68.20	300	150.00	757.6	Ladder Peak
7	76.30	400	150.00	568.2	Ladder Peak
8	82.07	500	150.00	454.5	Ladder Peak
9	82.85	600	150.00	378.8	Ladder Peak
10	86.69	700	150.00	324.7	Ladder Peak
11	89.93	1,000	150.00	227.3	Ladder Peak
12	91.44	2,000	150.00	113.6	Ladder Peak
13	94.10	3,000	150.00	75.8	Ladder Peak
14	101.14	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_001.xad

Created: 1/31/2014 9:53:19 AM
 Modified: 1/31/2014 10:35:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Dolores-1

Number of peaks found: 1 Corr. Area 1: 136.6
 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	48.54	82	34.04	631.6	
3	113.00	10,380	75.00	10.9	Upper Marker

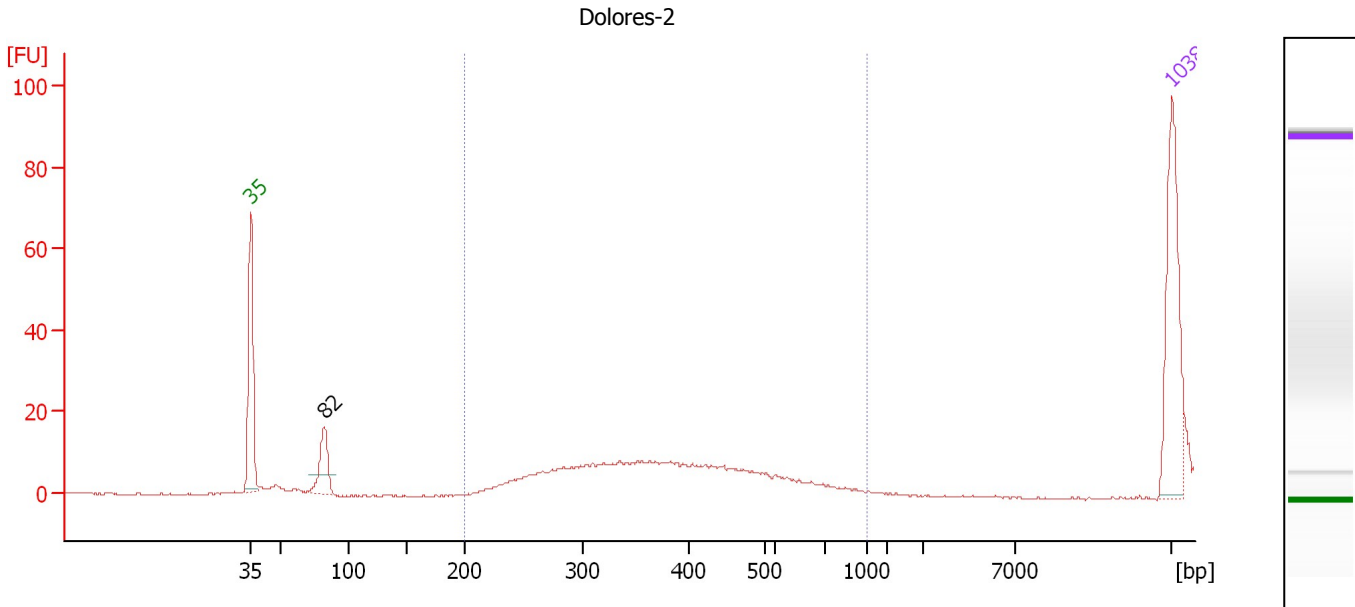
Region table for sample 1 : Dolores-1

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	2,463	370	843.0	193.94	136.6	89	21.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31_001.xad

Created: 1/31/2014 9:53:19 AM
 Modified: 1/31/2014 10:35:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Dolores-2

Number of peaks found: 1 Corr. Area 1: 10.7
 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	48.60	82	43.86	808.4	
3	113.00	10,380	75.00	10.9	Upper Marker

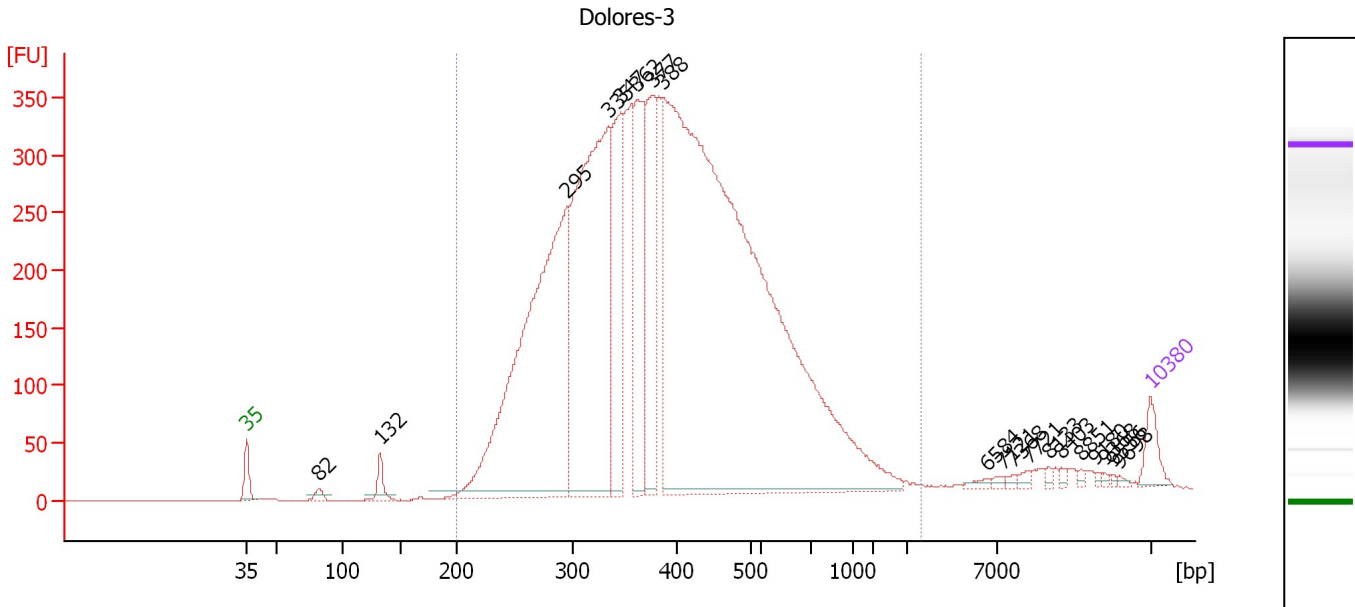
Region table for sample 2 : Dolores-2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	336	60.2	13.27	10.7	36	8.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31_001.xad

Created: 1/31/2014 9:53:19 AM
 Modified: 1/31/2014 10:35:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Dolores-3

Number of peaks found: 19 Corr. Area 1: 8,699.8
 Noise: 0.1

Peak table for sample 3 : Dolores-3

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	48.62	82	34.74	638.8	
3	53.32	132	77.97	893.1	
4	67.78	295	2,471.01	12,681.2	
5	71.00	335	2,083.63	9,436.7	
6	71.99	347	601.64	2,628.7	
7	73.19	362	663.86	2,781.9	
8	74.43	377	562.63	2,262.0	
9	75.29	388	5,789.35	22,632.8	
10	100.40	6,584	16.48	3.8	
11	101.56	7,121	12.01	2.6	
12	102.43	7,368	10.48	2.2	
13	103.67	7,721	16.05	3.1	
14	105.11	8,133	10.80	2.0	
15	106.06	8,403	10.88	2.0	
16	107.63	8,851	7.66	1.3	
17	108.79	9,180	6.36	1.0	
18	109.45	9,368	6.64	1.1	
19	110.11	9,556	5.04	0.8	
20	110.60	9,698	6.72	1.0	
21	113.00	10,380	75.00	10.9	Upper Marker

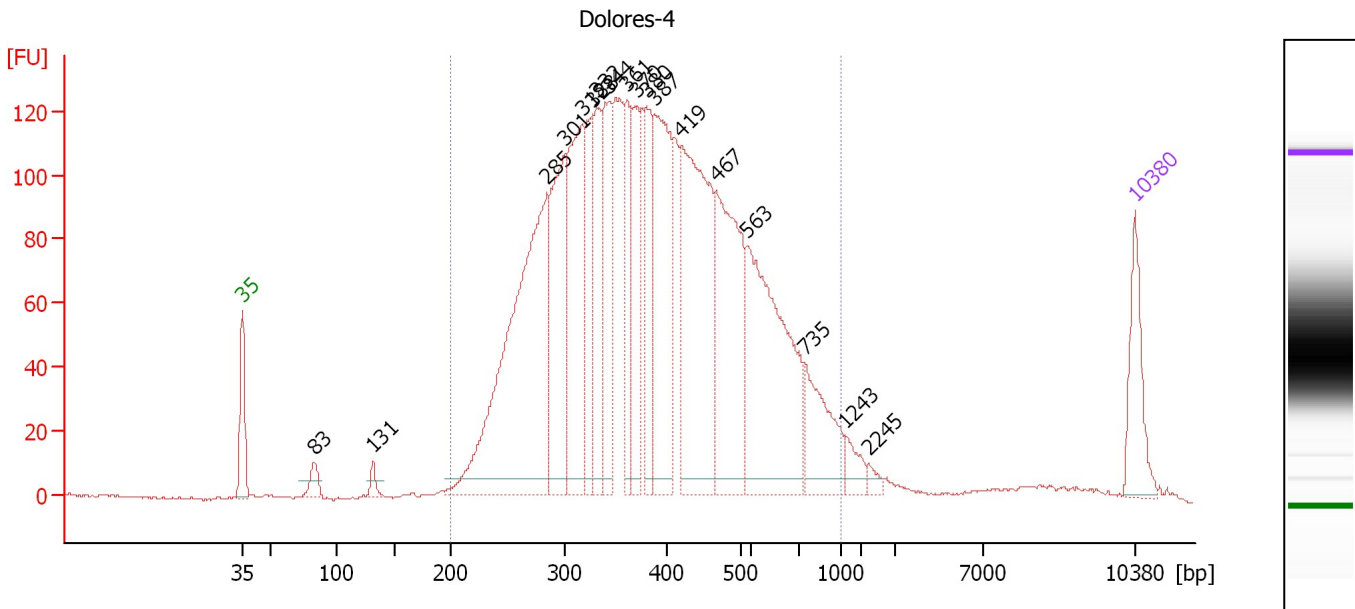
Region table for sample 3 : Dolores-3

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	3,661	434	51,724.4	12,557.27	8,699.8	98	56.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31_001.xad

Created: 1/31/2014 9:53:19 AM
 Modified: 1/31/2014 10:35:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Dolores-4

Number of peaks found: 18 Corr. Area 1: 3,339.4
 Noise: 0.4

Peak table for sample 4 : Dolores-4

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	83	32.77	600.6	
3	53.24	131	16.17	186.5	
4	66.88	285	717.72	3,814.6	
5	68.30	301	295.28	1,485.4	
6	69.68	318	305.24	1,453.3	
7	70.43	328	136.92	633.4	
8	70.81	332	168.53	768.7	
9	71.77	344	186.01	819.2	
10	73.15	361	122.44	513.8	
11	73.86	370	146.12	598.6	
12	74.70	380	123.95	494.0	
13	75.28	387	302.37	1,182.6	
14	77.41	419	453.06	1,637.2	
15	80.17	467	337.16	1,093.6	
16	82.56	563	391.19	1,053.4	
17	87.07	735	125.55	258.7	
18	90.29	1,243	26.52	32.3	
19	92.09	2,245	9.46	6.4	
20	113.00	10,380	75.00	10.9	Upper Marker

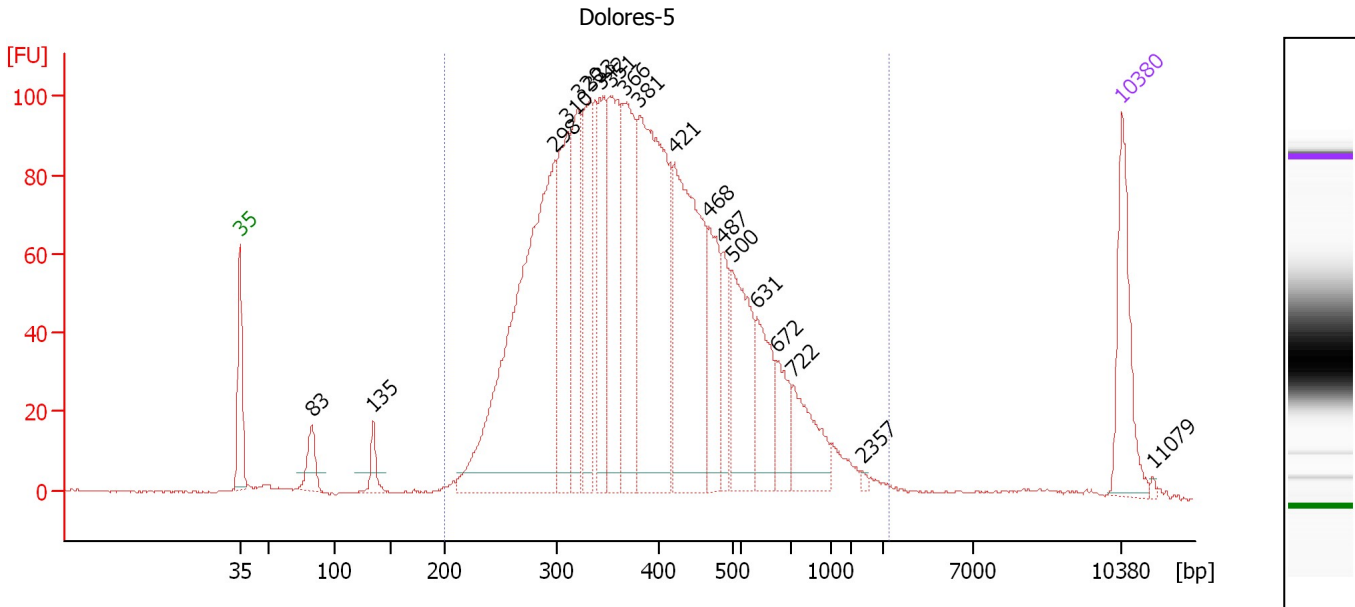
Region table for sample 4 : Dolores-4

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	413	18,244.3	4,368.19	3,339.4	96	34.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31_001.xad

Created: 1/31/2014 9:53:19 AM
 Modified: 1/31/2014 10:35:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Dolores-5

Number of peaks found: 19 Corr. Area 1: 2,535.1
 Noise: 0.3

Peak table for sample 5 : Dolores-5

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	48.71	83	43.84	797.1	
3	53.58	135	26.59	298.2	
4	68.05	298	589.20	2,992.3	
5	69.03	310	174.64	853.0	
6	69.83	320	148.09	700.9	
7	70.85	333	141.43	644.1	
8	71.61	342	126.37	559.7	
9	72.37	351	164.74	710.2	
10	73.51	366	181.65	752.9	
11	74.74	381	381.53	1,518.3	
12	77.49	421	290.14	1,045.1	
13	80.24	468	97.58	315.7	
14	81.30	487	54.21	168.8	
15	82.06	500	132.85	402.7	
16	84.05	631	74.69	179.3	
17	85.62	672	45.10	101.7	
18	86.93	722	70.09	147.1	
19	92.39	2,357	2.83	1.8	
20	113.00	10,380	75.00	10.9	Upper Marker
21	115.45	11,079	0.00	0.0	

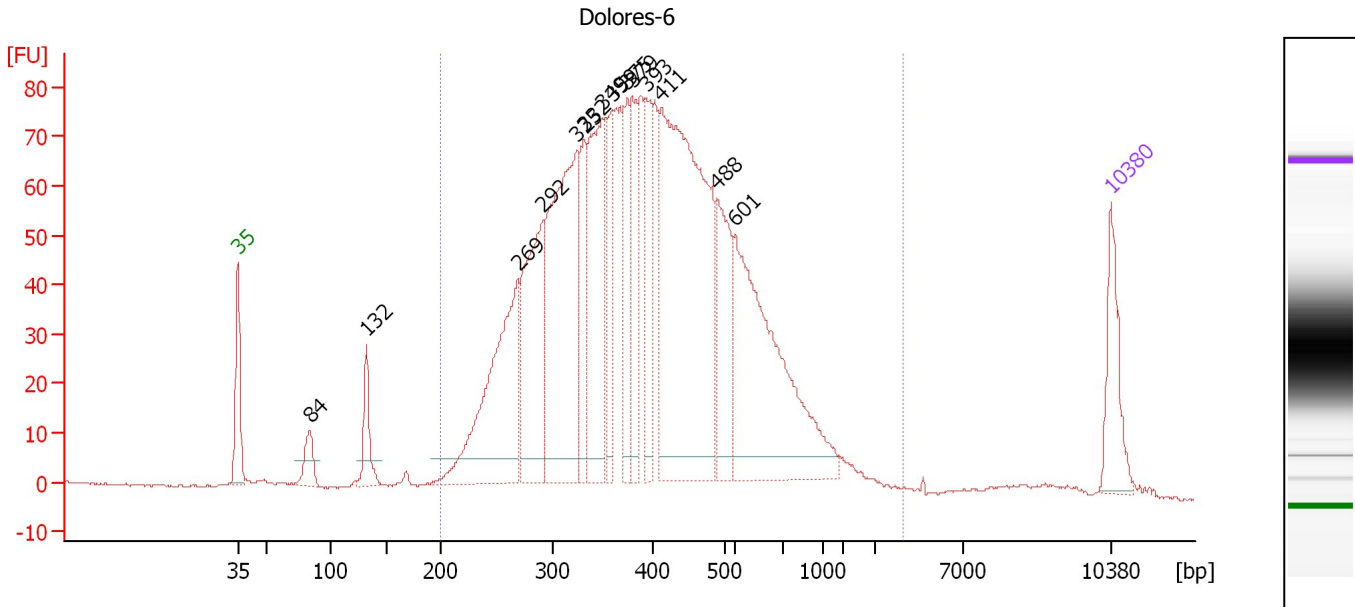
Region table for sample 5 : Dolores-5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	3,209	435	11,943.0	2,872.50	2,535.1	96	60.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31_001.xad

Created: 1/31/2014 9:53:19 AM
 Modified: 1/31/2014 10:35:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Dolores-6

Number of peaks found: 14 Corr. Area 1: 2,078.8
 Noise: 0.2

Peak table for sample 6 : Dolores-6

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	48.77	84	52.48	948.2	
3	53.30	132	74.70	857.5	
4	65.48	269	382.60	2,152.4	
5	67.49	292	307.52	1,596.0	
6	70.22	325	477.29	2,225.5	
7	70.78	332	127.80	583.6	
8	72.19	349	282.28	1,224.8	
9	73.00	359	113.12	477.1	
10	74.24	375	112.76	456.2	
11	74.62	379	129.23	516.3	
12	75.74	393	125.23	482.8	
13	76.93	411	752.38	2,774.2	
14	81.38	488	169.61	526.7	
15	82.87	601	427.42	1,078.2	
16	113.00	10,380	75.00	10.9	Upper Marker

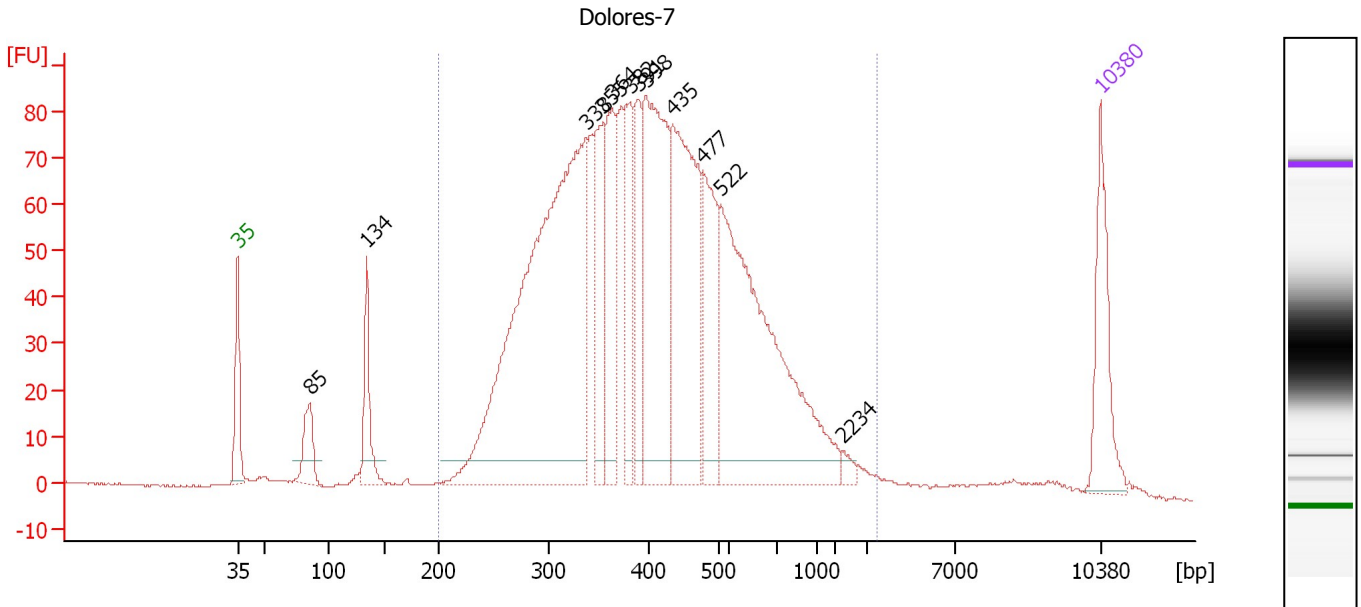
Region table for sample 6 : Dolores-6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	4,237	454	16,343.4	4,016.03	2,078.8	96	67.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31_001.xad

Created: 1/31/2014 9:53:19 AM
 Modified: 1/31/2014 10:35:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Dolores-7

Number of peaks found: 12 Corr. Area 1: 2,149.0
 Noise: 0.2

Peak table for sample 7 : Dolores-7

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	48.84	85	61.31	1,098.6	
3	53.47	134	80.59	911.9	
4	71.25	338	834.04	3,742.7	
5	72.64	355	125.74	537.1	
6	73.37	364	133.97	557.9	
7	74.84	382	100.65	399.2	
8	75.53	391	93.07	361.1	
9	76.14	398	309.33	1,177.6	
10	78.30	435	296.24	1,032.6	
11	80.77	477	136.51	433.2	
12	82.24	522	457.57	1,328.8	
13	92.06	2,234	7.74	5.3	
14	113.00	10,380	75.00	10.9	Upper Marker

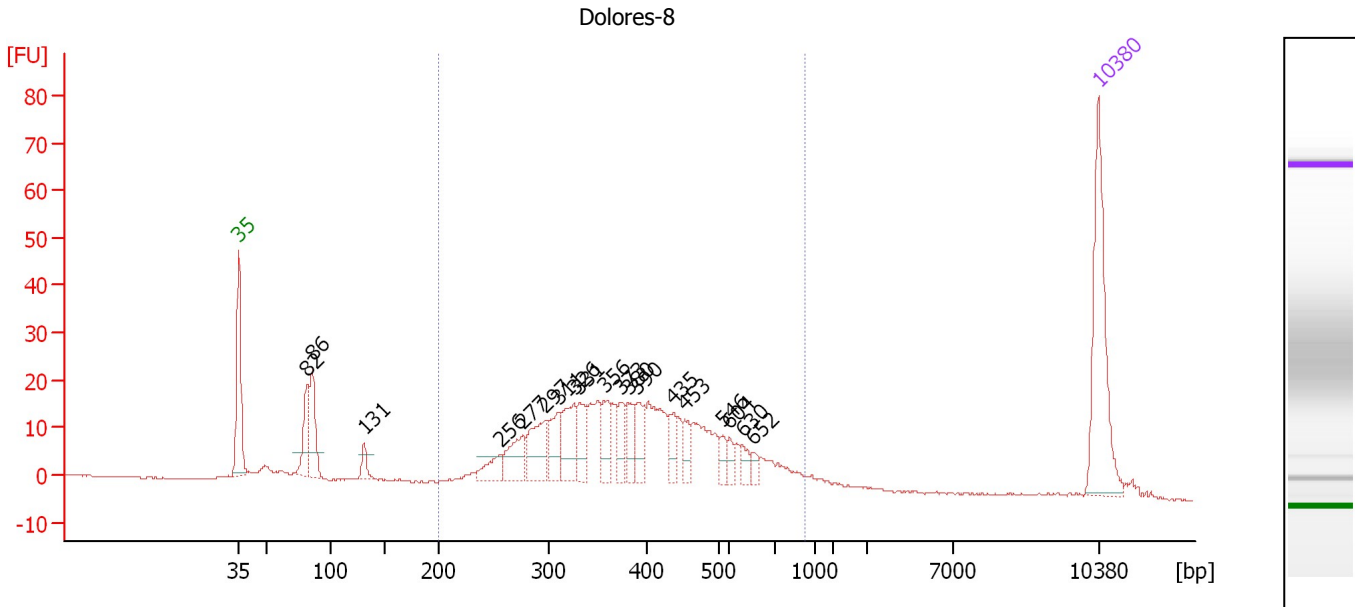
Region table for sample 7 : Dolores-7

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	3,447	472	11,201.8	2,835.31	2,149.0	94	66.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31_001.xad

Created: 1/31/2014 9:53:19 AM
 Modified: 1/31/2014 10:35:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Dolores-8

Number of peaks found: 19 Corr. Area 1: 447.9
 Noise: 0.1

Peak table for sample 8 : 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	48.56	82	37.17	688.2	
3	48.99	86	50.11	882.7	
4	53.20	131	11.62	134.5	
5	64.28	256	19.37	114.7	
6	66.15	277	32.56	178.2	
7	67.93	297	42.31	215.9	
8	69.10	311	28.29	137.8	
9	70.31	326	42.29	196.5	
10	70.75	331	23.34	106.7	
11	72.75	356	25.71	109.4	
12	74.14	373	18.98	77.0	
13	74.70	380	17.28	68.9	
14	75.48	390	25.87	100.5	
15	78.35	435	16.09	56.0	
16	79.35	453	12.45	41.7	
17	82.43	546	9.22	25.6	
18	82.99	604	7.62	19.1	
19	83.99	630	8.51	20.5	
20	84.86	652	6.52	15.2	
21	113.00	10,380	75.00	10.9	Upper Marker

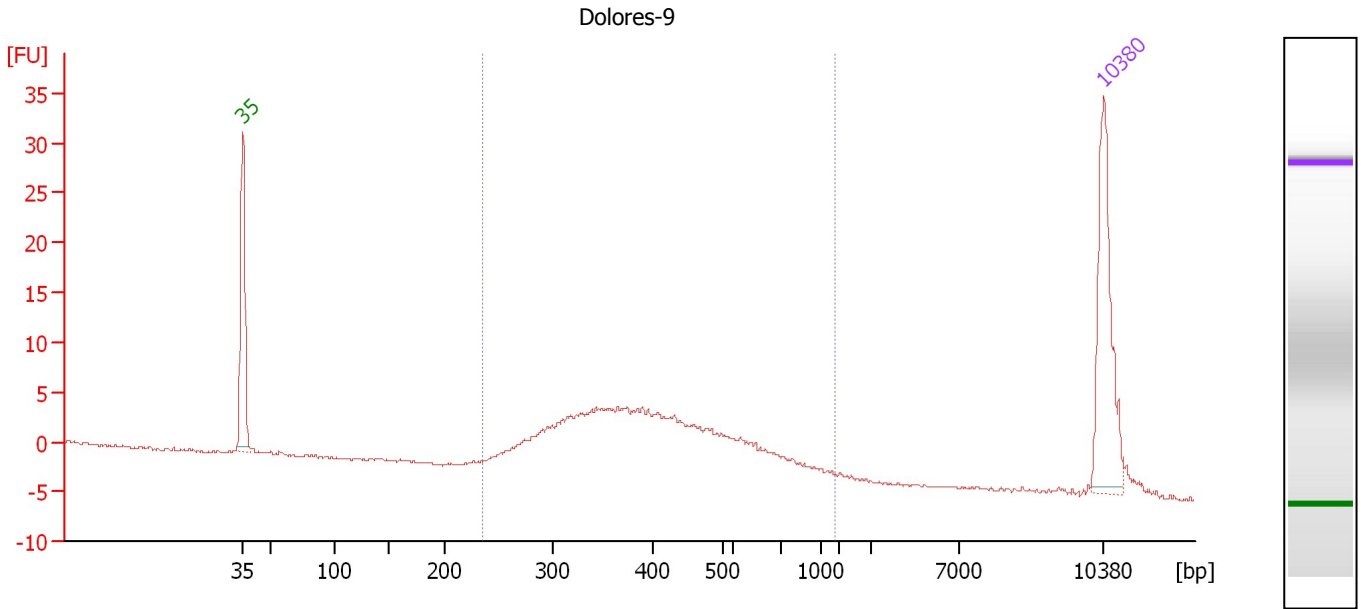
Region table for sample 8 : Dolores-8

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	925	411	2,566.3	621.69	447.9	80	31.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31_001.xad

Created: 1/31/2014 9:53:19 AM
 Modified: 1/31/2014 10:35:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Dolores-9

Number of peaks found: 0 Corr. Area 1: 144.5
 Noise: 0.1

Peak table for sample 9 : 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	113.00	10,380	75.00	10.9	Upper Marker

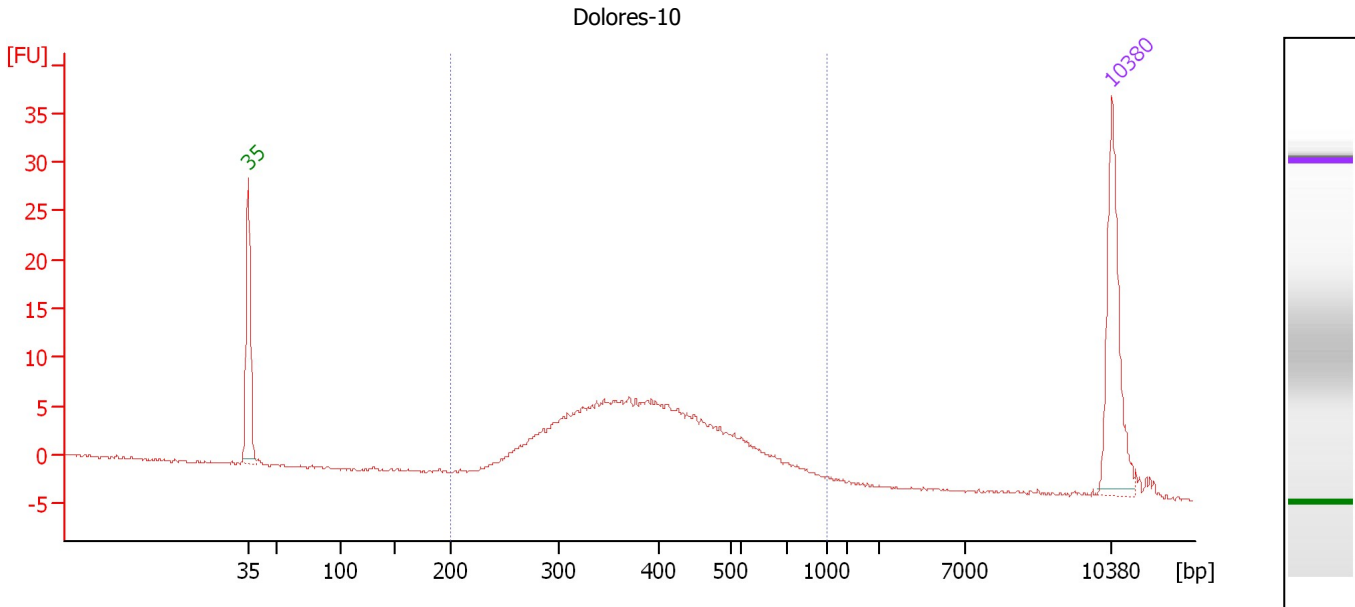
Region table for sample 9 : Dolores-9

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
236	1,826	443	1,413.1	361.34	144.5	94	39.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31_001.xad

Created: 1/31/2014 9:53:19 AM
 Modified: 1/31/2014 10:35:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Dolores-10

Number of peaks found: 0 Corr. Area 1: 174.5
 Noise: 0.1

Peak table for sample 10 : 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	113.00	10,380	75.00	10.9	Upper Marker

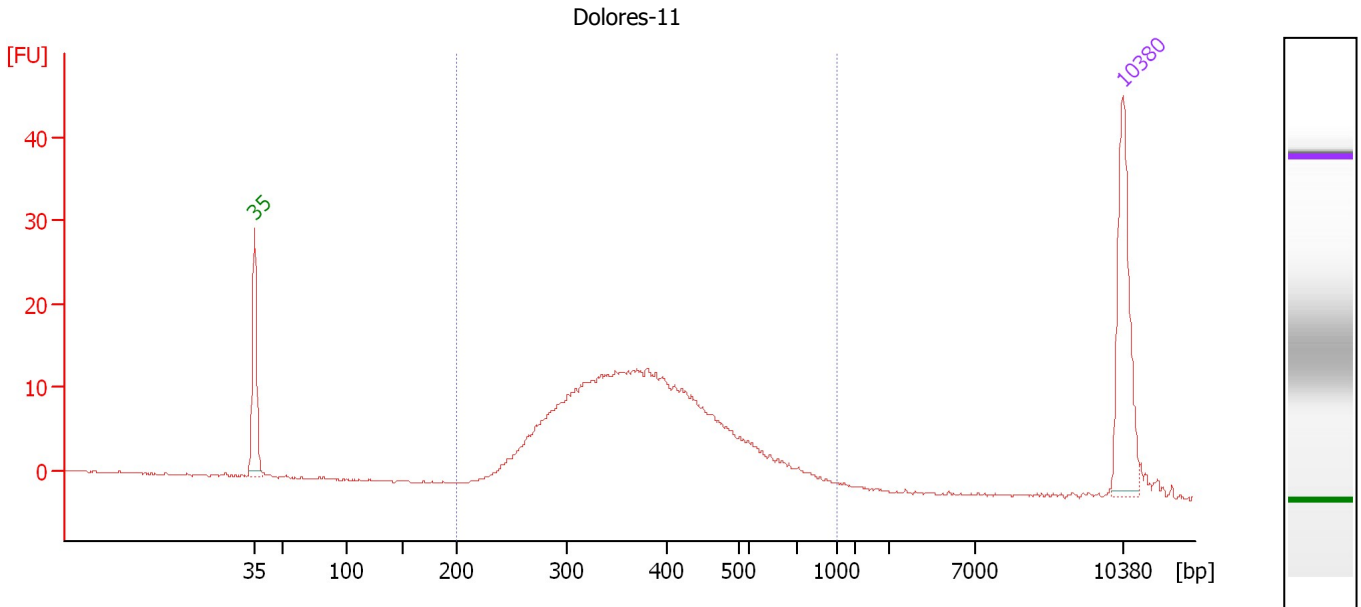
Region table for sample 10 : Dolores-10

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	415	1,922.1	476.08	174.5	98	30.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31_001.xad

Created: 1/31/2014 9:53:19 AM
 Modified: 1/31/2014 10:35:29 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Dolores-11

Number of peaks found: 0 Corr. Area 1: 290.5
 Noise: 0.1

Peak table for sample 11 : Dolores-11

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 : Dolores-11

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	398	2,837.9	680.18	290.5	97	29.4	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-31\2014-01-31_001.xad

Created: 1/31/2014 9:53:19 AM
Modified: 1/31/2014 10:35:29 AM

Gel Image

