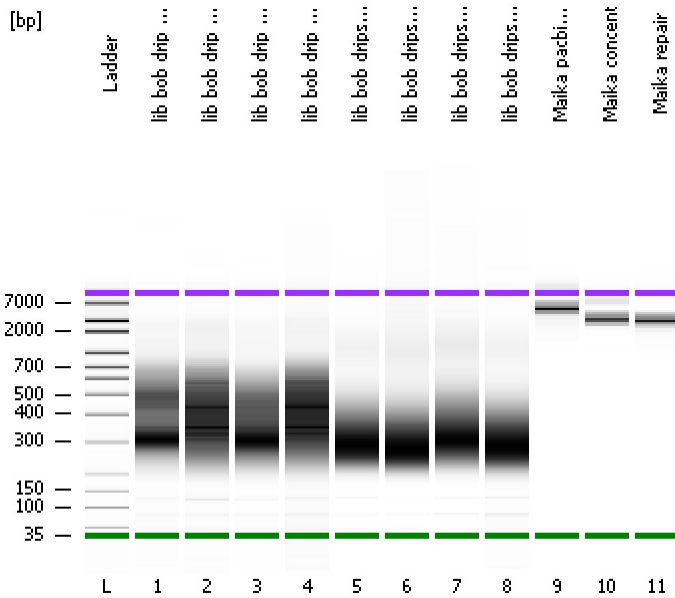


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-12\2016-10-12\_002.xad

Created: 10/12/2016 1:56:27 PM  
Modified: 10/12/2016 2:38:05 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

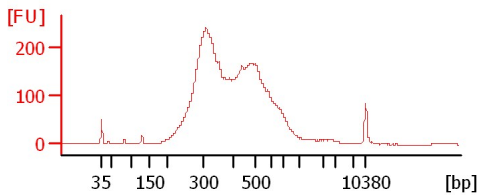
Assay Information:

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

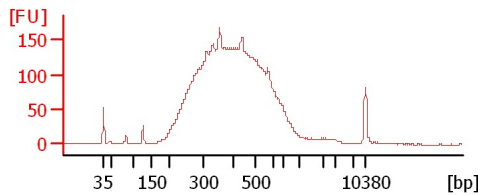
Chip Information:

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

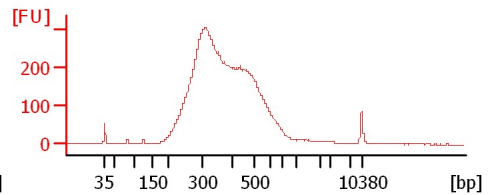
lib bob drip wt 5.2 I3



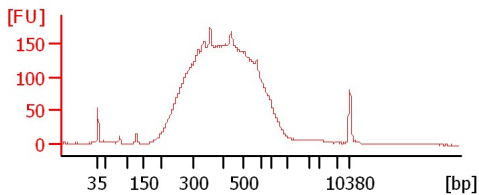
lib bob drip wt 6.2 I8



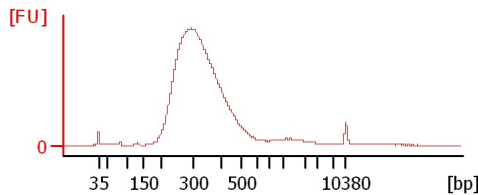
lib bob drip ko 5.2 I9



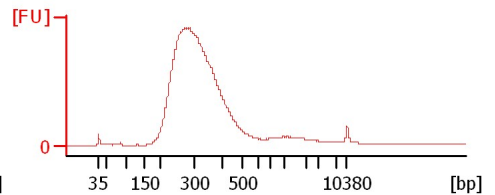
lib bob drip ko 6.2 I10



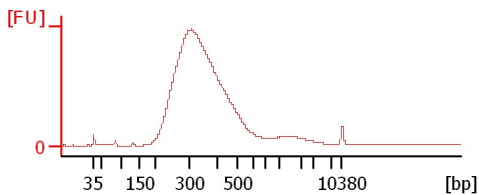
lib bob drips wt 5.1 I20



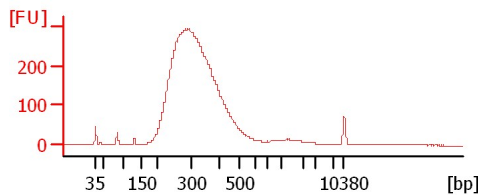
lib bob drips wt 6.1 I21



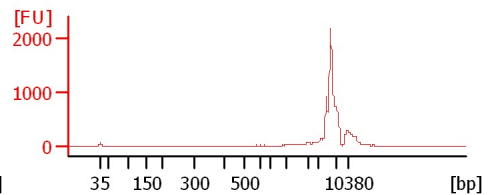
lib bob drips ko 5.1 I22



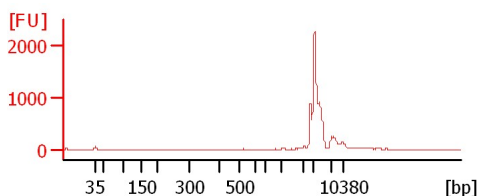
lib bob drips ko 6.1 I23



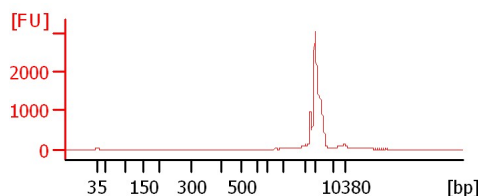
Maika pacbio lib



Maika concent



Maika repair



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-12\2016-10-12\_002.xad

Created: 10/12/2016 1:56:27 PM  
Modified: 10/12/2016 2:38:05 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
lib bob drip wt 5.2 I3		<input type="checkbox"/>	✓			
lib bob drip wt 6.2 I8		<input type="checkbox"/>	✓			
lib bob drip ko 5.2 I9		<input type="checkbox"/>	✓			
lib bob drip ko 6.2 I10		<input type="checkbox"/>	✓			
lib bob drips wt 5.1 I20		<input type="checkbox"/>	✓			
lib bob drips wt 6.1 I21		<input type="checkbox"/>	✓			
lib bob drips ko 5.1 I22		<input type="checkbox"/>	✓			
lib bob drips ko 6.1 I23		<input type="checkbox"/>	✓			
Maika pacbio lib		<input type="checkbox"/>	✓			
Maika concent		<input type="checkbox"/>	✓			
Maika repair		<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\2016-10-12\2016-10-12\_002.xad

Created: 10/12/2016 1:56:27 PM  
Modified: 10/12/2016 2:38:05 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

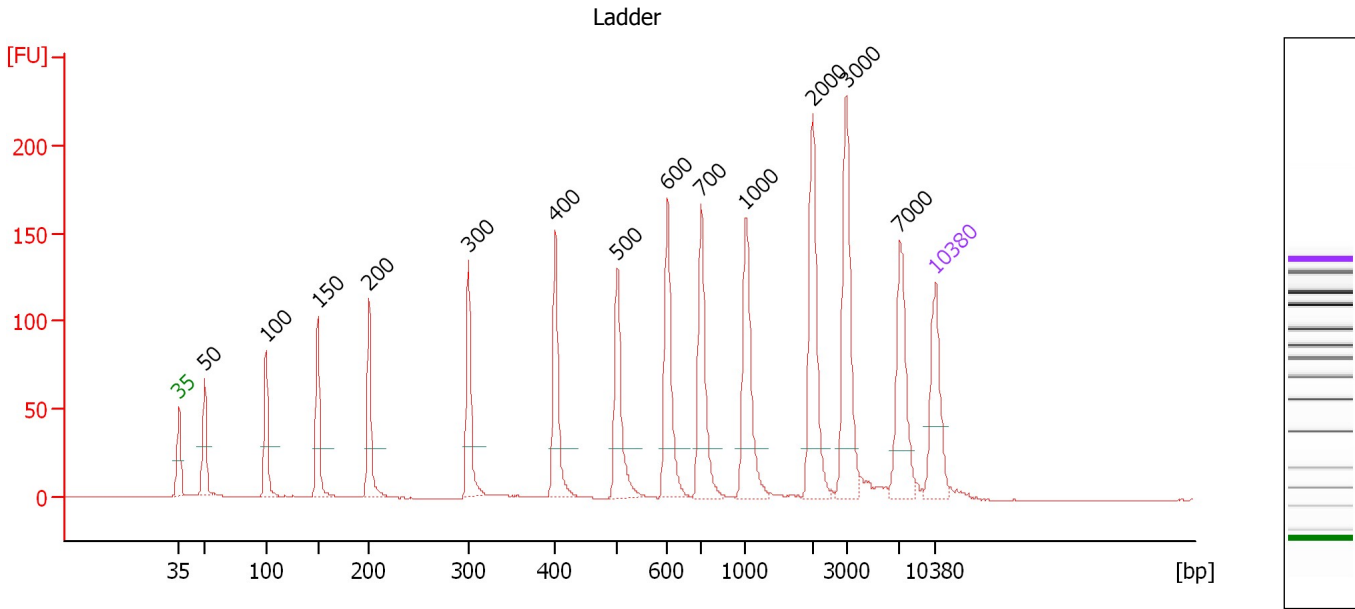
**Ladder**

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\2016-10-12\2016-10-12\_002.xad

Created: 10/12/2016 1:56:27 PM  
 Modified: 10/12/2016 2:38:05 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

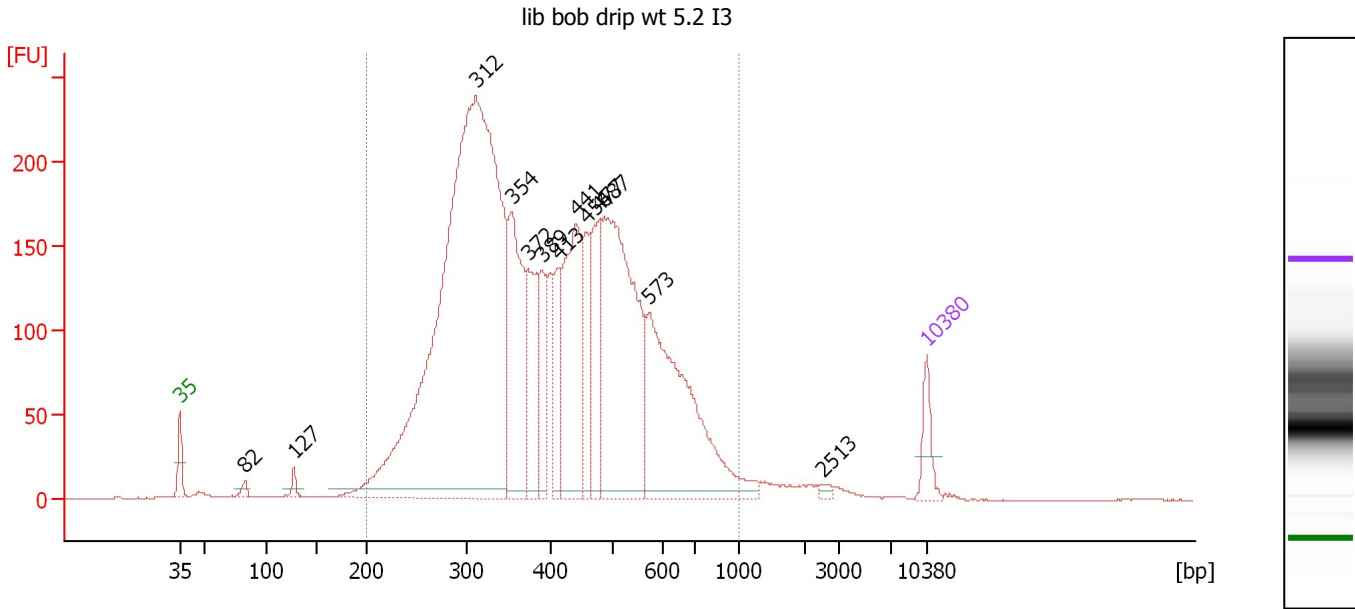
**Peak table for Ladder**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.37
3	100	150.00	2,272.7	Ladder Peak	51.04
4	150	150.00	1,515.2	Ladder Peak	55.83
5	200	150.00	1,136.4	Ladder Peak	60.56
6	300	150.00	757.6	Ladder Peak	69.79
7	400	150.00	568.2	Ladder Peak	77.83
8	500	150.00	454.5	Ladder Peak	83.55
9	600	150.00	378.8	Ladder Peak	88.19
10	700	150.00	324.7	Ladder Peak	91.29
11	1,000	150.00	227.3	Ladder Peak	95.44
12	2,000	150.00	113.6	Ladder Peak	101.60
13	3,000	150.00	75.8	Ladder Peak	104.71
14	7,000	150.00	32.5	Ladder Peak	109.69
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-12\2016-10-12\_002.xad

Created: 10/12/2016 1:56:27 PM  
 Modified: 10/12/2016 2:38:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : lib bob drip wt 5.2 I3**

Number of peaks found: 13                      Corr. Area 1: 5,226.8  
 Noise: 0.2

**Peak table for sample 1 : lib bob drip wt 5.2 I3**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	82	26.15	480.5		49.05
3	127	35.86	427.0		53.65
4	312	3,858.14	18,737.1		70.75
5	354	590.22	2,528.7		74.10
6	372	341.95	1,391.6		75.60
7	389	205.04	798.5		76.95
8	413	187.85	689.8		78.55
9	441	596.93	2,052.8		80.15
10	456	209.97	697.2		81.05
11	477	305.67	970.3		82.25
12	487	1,091.99	3,398.1		82.80
13	573	886.62	2,343.1		86.95
14	2,513	13.20	8.0		103.20
15	10,380	75.00	10.9	Upper Marker	113.00

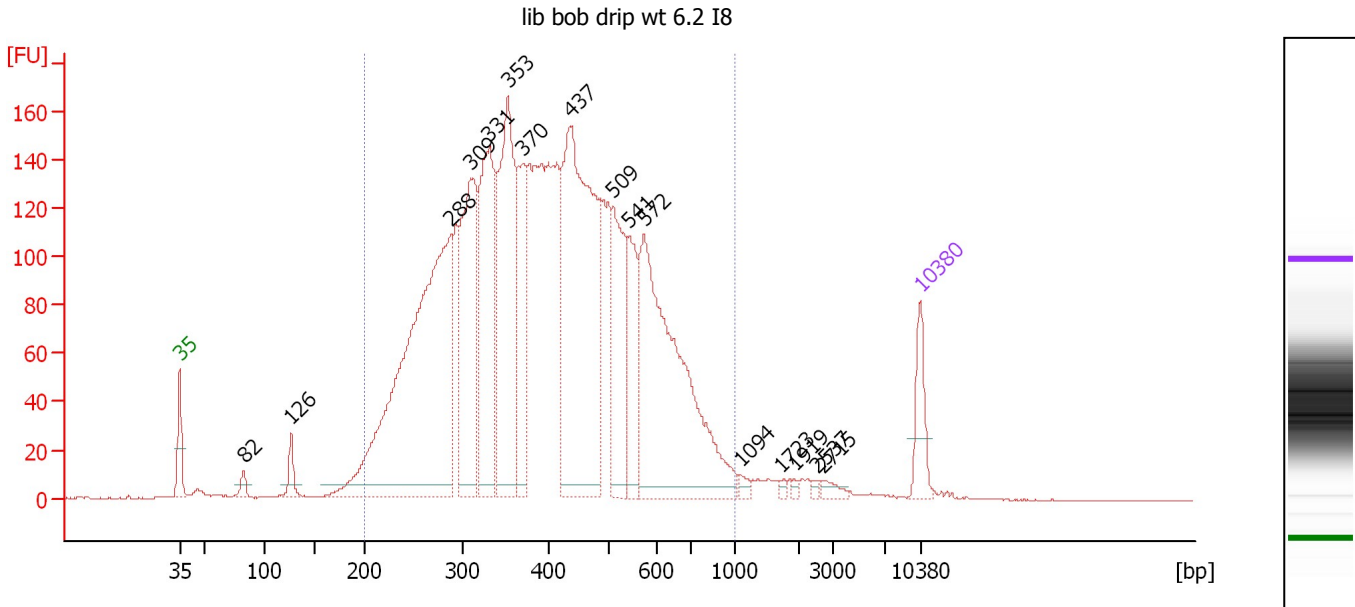
**Region table for sample 1 : lib bob drip wt 5.2 I3**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	416	5,226.8	35,059.7	8,477.91	96	31.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-12\2016-10-12\_002.xad

Created: 10/12/2016 1:56:27 PM  
 Modified: 10/12/2016 2:38:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : lib bob drip wt 6.2 I8**

Number of peaks found: 16                      Corr. Area 1: 4,344.2  
 Noise: 0.3

**Peak table for sample 2 : lib bob drip wt 6.2 I8**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	82	27.23	500.6		49.05
3	126	52.93	636.2		53.53
4	288	1,416.82	7,461.7		68.65
5	309	532.82	2,612.0		70.52
6	331	514.20	2,353.7		72.28
7	353	615.54	2,642.4		74.04
8	370	263.65	1,080.0		75.40
9	437	982.92	3,408.5		79.94
10	509	299.69	891.9		83.97
11	541	182.40	511.2		85.43
12	572	795.74	2,107.3		86.89
13	1,094	12.73	17.6		96.02
14	1,723	7.15	6.3		99.90
15	1,919	5.74	4.5		101.11
16	2,537	6.71	4.0		103.27
17	2,715	15.96	8.9		103.83
18	10,380	75.00	10.9	Upper Marker	113.00

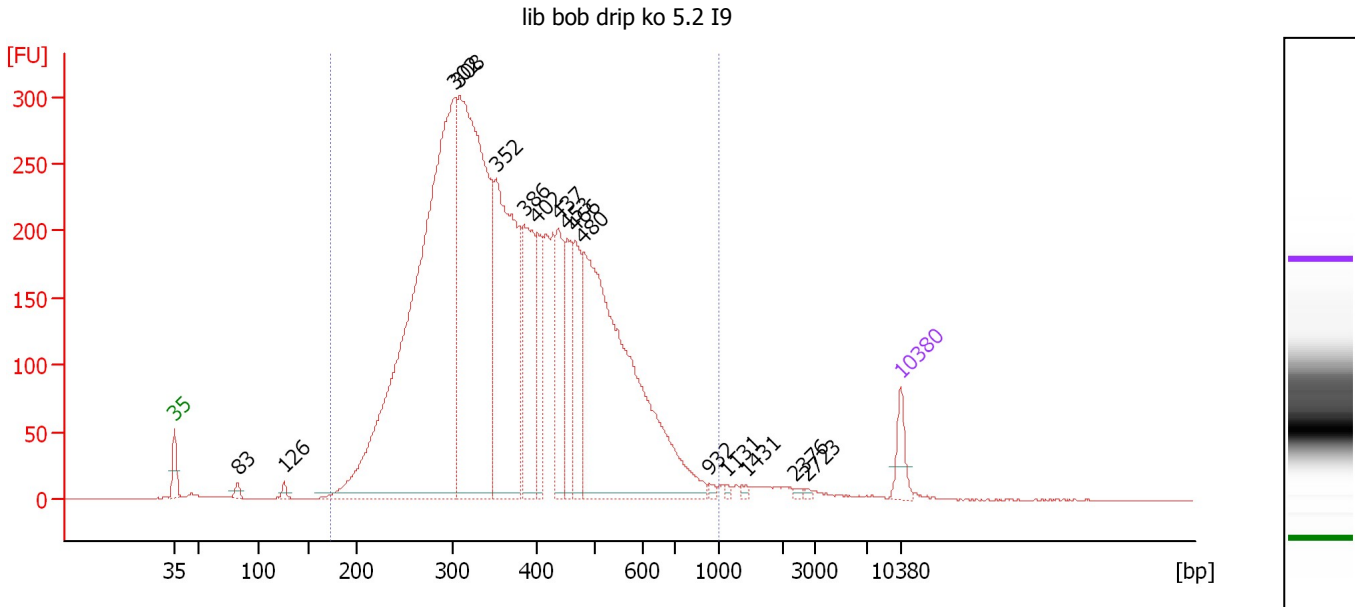
**Region table for sample 2 : lib bob drip wt 6.2 I8**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	418	4,344.2	29,154.1	7,013.30	96	32.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-12\2016-10-12\_002.xad

Created: 10/12/2016 1:56:27 PM  
 Modified: 10/12/2016 2:38:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : lib bob drip ko 5.2 I9**

Number of peaks found: 16                      Corr. Area 1: 6,920.7  
 Noise: 0.2

**Peak table for sample 3 : lib bob drip ko 5.2 I9**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	83	29.77	546.3		49.06
3	126	24.81	298.1		53.54
4	302	3,617.81	18,124.5		69.98
5	308	2,376.18	11,682.0		70.44
6	352	1,292.24	5,567.8		73.94
7	386	576.35	2,265.1		76.66
8	402	263.08	991.3		77.95
9	437	353.92	1,226.7		79.95
10	453	266.44	890.5		80.88
11	466	331.85	1,079.2		81.60
12	480	1,960.88	6,186.3		82.42
13	932	13.60	22.1		94.50
14	1,131	9.20	12.3		96.25
15	1,431	11.80	12.5		98.10
16	2,376	8.08	5.2		102.77
17	2,723	7.54	4.2		103.85
18	10,380	75.00	10.9	Upper Marker	113.00

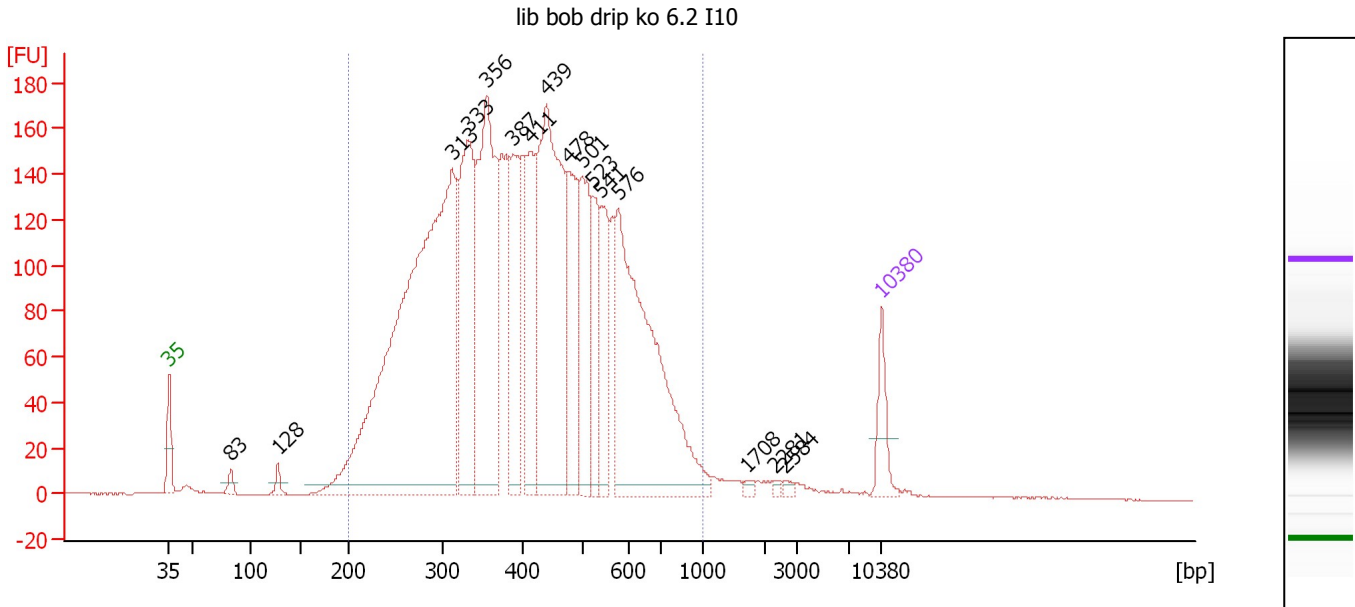
**Region table for sample 3 : lib bob drip ko 5.2 I9**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
172	1,000	386	6,920.7	51,001.5	11,566.79	97	30.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-12\2016-10-12\_002.xad

Created: 10/12/2016 1:56:27 PM  
 Modified: 10/12/2016 2:38:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : lib bob drip ko 6.2 I10**

Number of peaks found: 16                      Corr. Area 1: 4,723.3  
 Noise: 0.2

**Peak table for sample 4 : lib bob drip ko 6.2 I10**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	83	30.09	551.6		49.07
3	128	27.77	329.8		53.68
4	313	2,159.61	10,445.1		70.85
5	333	564.15	2,568.4		72.42
6	356	790.79	3,369.5		74.26
7	387	337.11	1,320.4		76.77
8	411	296.37	1,093.1		78.45
9	439	891.48	3,075.7		80.07
10	478	333.63	1,058.5		82.27
11	501	319.16	966.1		83.58
12	523	182.56	528.7		84.62
13	541	206.26	577.4		85.46
14	576	911.88	2,397.8		87.08
15	1,708	8.90	7.9		99.81
16	2,281	6.06	4.0		102.48
17	2,584	8.90	5.2		103.42
18	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 4 : lib bob drip ko 6.2 I10**

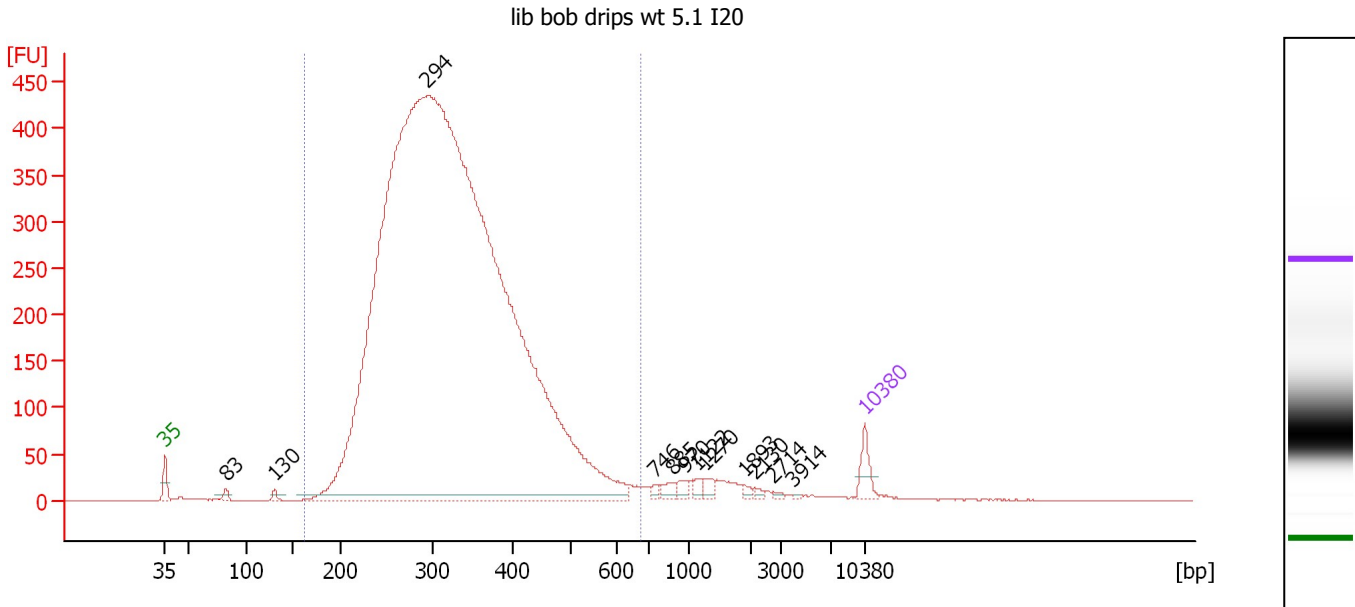
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	426	4,723.3	31,727.6	7,760.53	96	32.2



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-12\2016-10-12\_002.xad

Created: 10/12/2016 1:56:27 PM  
 Modified: 10/12/2016 2:38:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : lib bob drips wt 5.1 I20**

Number of peaks found: 12                      Corr. Area 1: 8,652.2  
 Noise: 0.3

**Peak table for sample 5 : lib bob drips wt 5.1 I20**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	83	32.04	586.7		49.08
3	130	22.28	259.2		53.94
4	294	15,686.52	80,950.0		69.20
5	746	21.52	43.7		91.93
6	885	39.77	68.1		93.85
7	970	37.02	57.8		95.02
8	1,122	28.97	39.1		96.19
9	1,270	36.01	43.0		97.10
10	1,893	14.48	11.6		100.94
11	2,130	12.55	8.9		102.01
12	2,714	10.62	5.9		103.82
13	3,914	4.22	1.6		105.85
14	10,380	75.00	10.9	Upper Marker	113.00

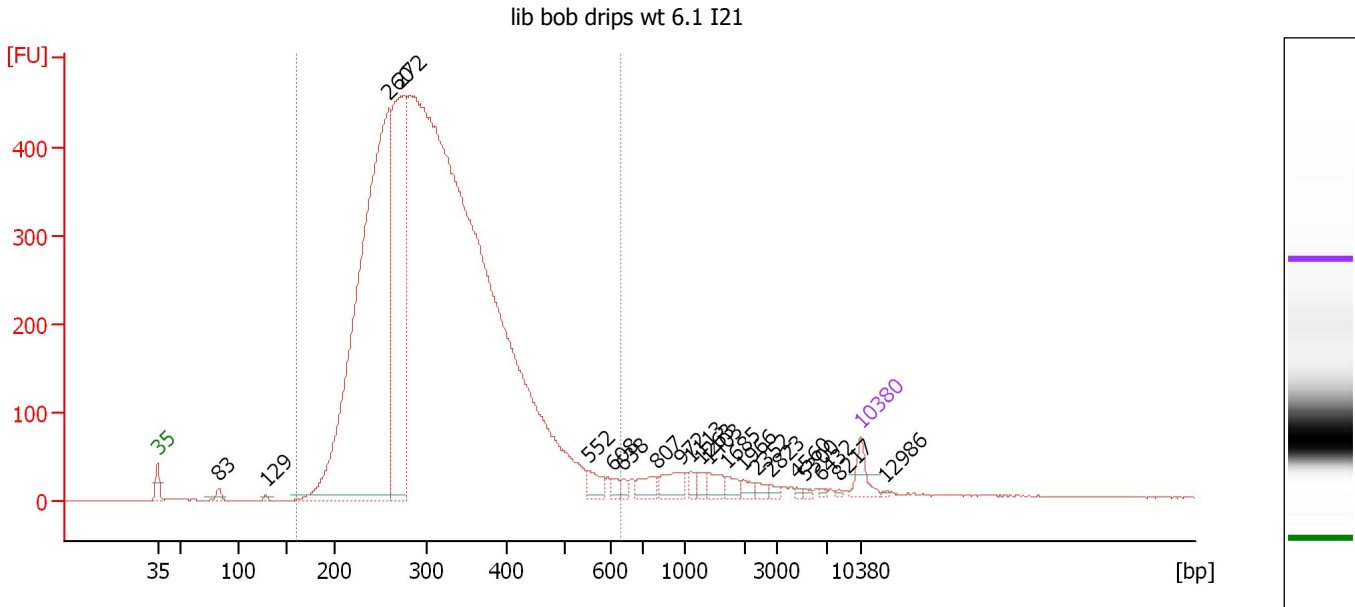
**Region table for sample 5 : lib bob drips wt 5.1 I20**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
162	679	328	8,652.2	74,079.4	14,969.90	96	23.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-12\2016-10-12\_002.xad

Created: 10/12/2016 1:56:27 PM  
 Modified: 10/12/2016 2:38:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : lib bob drips wt 6.1 I21**

Number of peaks found: 21                      Corr. Area 1: 9,198.9  
 Noise: 0.2

**Peak table for sample 6 : lib bob drips wt 6.1 I21**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	83	38.28	697.8		49.13
3	129	10.53	123.9		53.79
4	260	4,295.04	25,027.4		66.10
5	272	1,878.30	10,448.9		67.24
6	552	83.48	229.3		85.94
7	608	29.60	73.8		88.44
8	638	25.18	59.8		89.36
9	807	75.73	142.1		92.78
10	972	90.07	140.4		95.05
11	1,113	30.91	42.1		96.14
12	1,263	32.83	39.4		97.06
13	1,403	58.93	63.6		97.93
14	1,685	37.80	34.0		99.66
15	1,966	29.57	22.8		101.40
16	2,352	22.97	14.8		102.70
17	2,823	16.82	9.0		104.16
18	4,560	8.85	2.9		106.66
19	5,300	9.81	2.8		107.58
20	6,432	8.87	2.1		108.99
21	8,217	7.34	1.4		110.89
22	10,380	75.00	10.9	Upper Marker	113.00
23	12,986	0.00	0.0		115.55

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-12\2016-10-12\_002.xad

Created: 10/12/2016 1:56:27 PM  
Modified: 10/12/2016 2:38:05 PM

**Electropherogram Summary Continued ...**

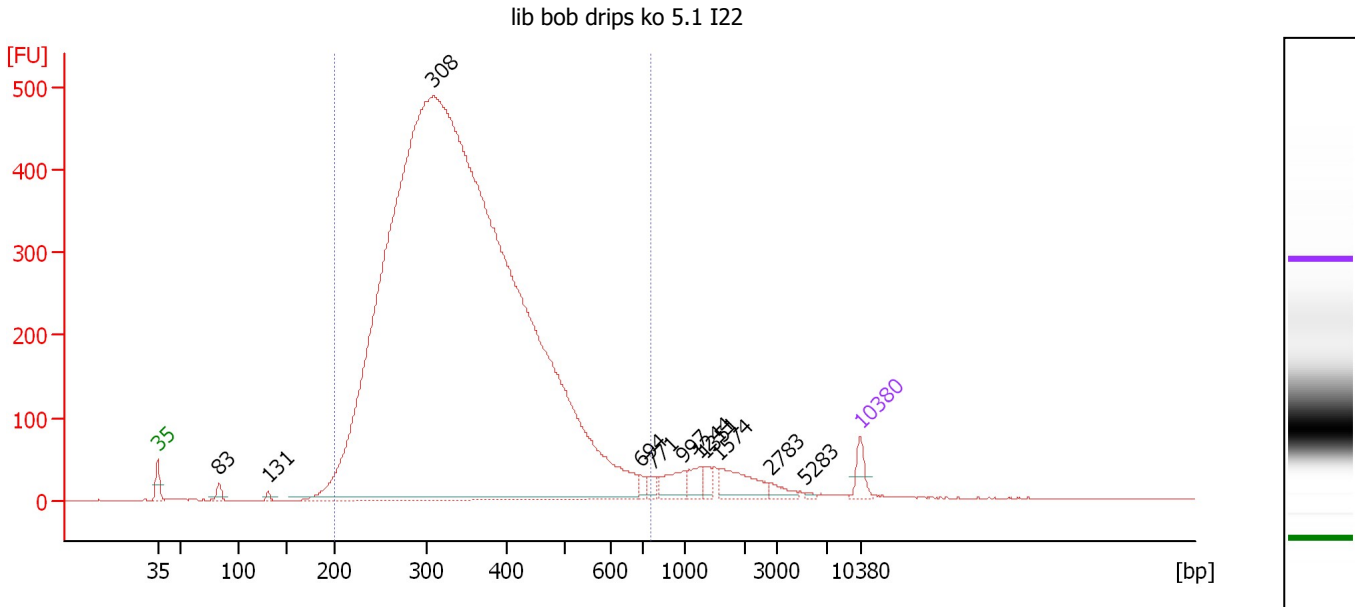
... Region table for sample 6 : lib bob drips wt 6.1 I21

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
160	630	317	9,198.9	79,609.3	15,563.52	94	23.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-12\2016-10-12\_002.xad

Created: 10/12/2016 1:56:27 PM  
 Modified: 10/12/2016 2:38:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : lib bob drips ko 5.1 I22**

Number of peaks found: 11                      Corr. Area 1: 9,832.8  
 Noise: 0.3

**Peak table for sample 7 : lib bob drips ko 5.1 I22**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	83	68.29	1,247.7		49.10
3	131	24.85	287.7		54.00
4	308	19,786.36	97,298.5		70.44
5	694	38.34	83.7		91.11
6	771	40.59	79.8		92.27
7	997	128.24	194.8		95.40
8	1,244	83.12	101.2		96.94
9	1,351	49.88	55.9		97.60
10	1,574	184.75	177.8		98.98
11	2,783	45.48	24.8		104.04
12	5,283	8.88	2.5		107.56
13	10,380	75.00	10.9	Upper Marker	113.00

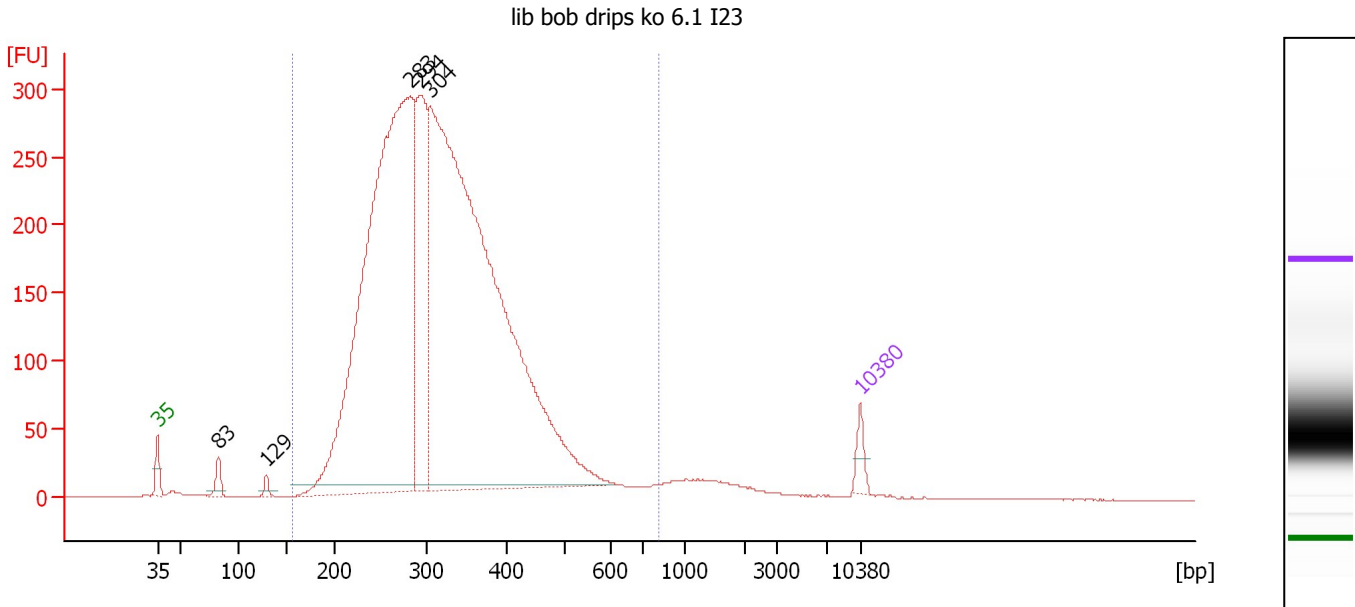
**Region table for sample 7 : lib bob drips ko 5.1 I22**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	759	351	9,832.8	86,955.6	18,623.45	95	25.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-12\2016-10-12\_002.xad

Created: 10/12/2016 1:56:27 PM  
 Modified: 10/12/2016 2:38:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : lib bob drips ko 6.1 I23**

Number of peaks found: 5                      Corr. Area 1: 6,023.1  
 Noise: 0.3

**Peak table for sample 8 : lib bob drips ko 6.1 I23**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	83	113.34	2,079.8		49.06
3	129	45.20	529.1		53.86
4	283	5,919.29	31,726.8		68.19
5	294	1,299.02	6,693.8		69.24
6	304	7,452.01	37,125.9		70.12
7	10,380	75.00	10.9	Upper Marker	113.00

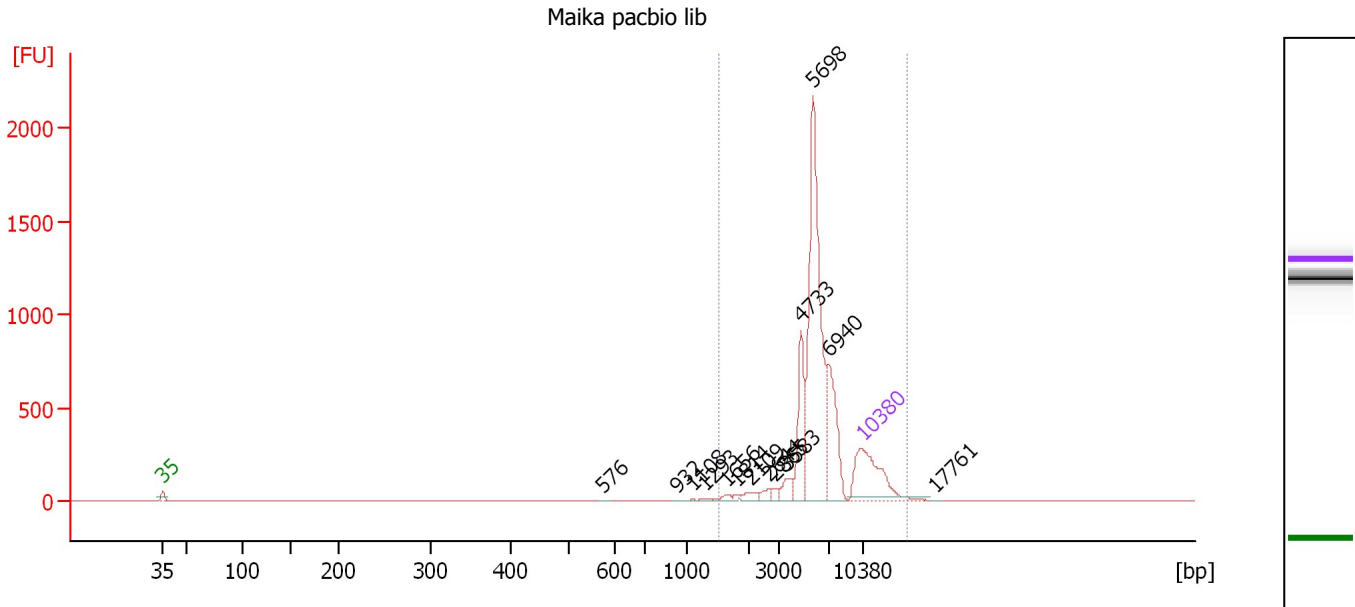
**Region table for sample 8 : lib bob drips ko 6.1 I23**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
157	818	324	6,023.1	75,426.2	14,972.67	96	25.4

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-12\2016-10-12\_002.xad

Created: 10/12/2016 1:56:27 PM  
 Modified: 10/12/2016 2:38:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : Maika pacbio lib**

Number of peaks found: 14                      Corr. Area 1: 4,116.0  
 Noise: 0.1

**Peak table for sample 9 : Maika pacbio lib**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	576	0.41	1.1		87.05
3	932	0.45	0.7		94.50
4	1,108	0.90	1.2		96.10
5	1,293	1.84	2.2		97.25
6	1,656	4.43	4.1		99.48
7	1,814	2.47	2.1		100.45
8	2,109	7.42	5.3		101.94
9	2,644	6.05	3.5		103.61
10	2,865	5.85	3.1		104.29
11	3,583	14.41	6.1		105.44
12	4,733	63.05	20.2		106.87
13	5,698	255.62	68.0		108.07
14	6,940	77.56	16.9		109.62
15	10,380	75.00	10.9	Upper Marker	113.00
16	17,761	0.00	0.0		120.22

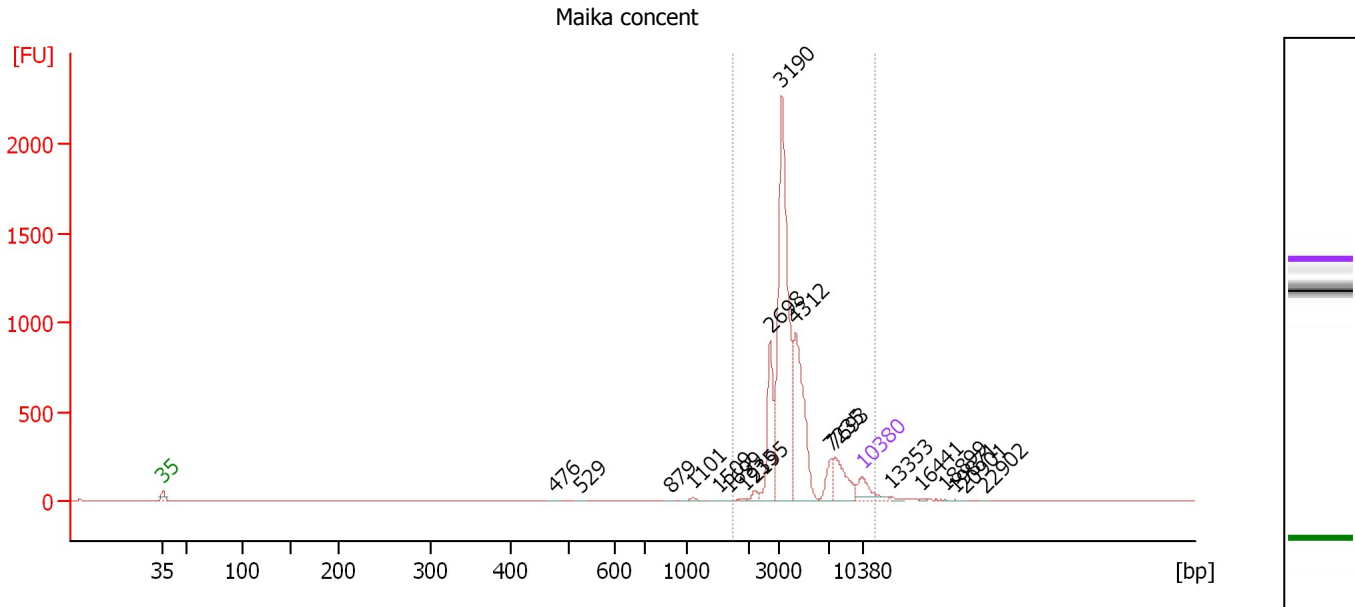
**Region table for sample 9 : Maika pacbio lib**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
1,508	15,000	6,578	4,116.0	123.0	435.22	98	36.4

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-12\2016-10-12\_002.xad

Created: 10/12/2016 1:56:27 PM  
 Modified: 10/12/2016 2:38:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : Maika concent**

Number of peaks found: 19                      Corr. Area 1: 4,525.8  
 Noise: 0.8

**Peak table for sample 10 : Maika concent**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	476	2.58	8.2		82.19
3	529	2.23	6.4		84.88
4	879	2.20	3.8		93.77
5	1,101	8.46	11.6		96.06
6	1,509	2.53	2.5		98.58
7	1,699	2.27	2.0		99.75
8	1,935	2.68	2.1		101.20
9	2,195	16.51	11.4		102.21
10	2,698	238.76	134.1		103.77
11	3,190	984.55	467.7		104.95
12	4,312	447.78	157.3		106.35
13	7,235	73.92	15.5		109.92
14	7,693	134.90	26.6		110.37
15	10,380	75.00	10.9	Upper Marker	113.00
16	13,353	0.00	0.0		115.91
17	16,441	0.00	0.0		118.93
18	18,899	0.00	0.0		121.33
19	19,871	0.00	0.0		122.28
20	20,901	0.00	0.0		123.29
21	22,902	0.00	0.0		125.24

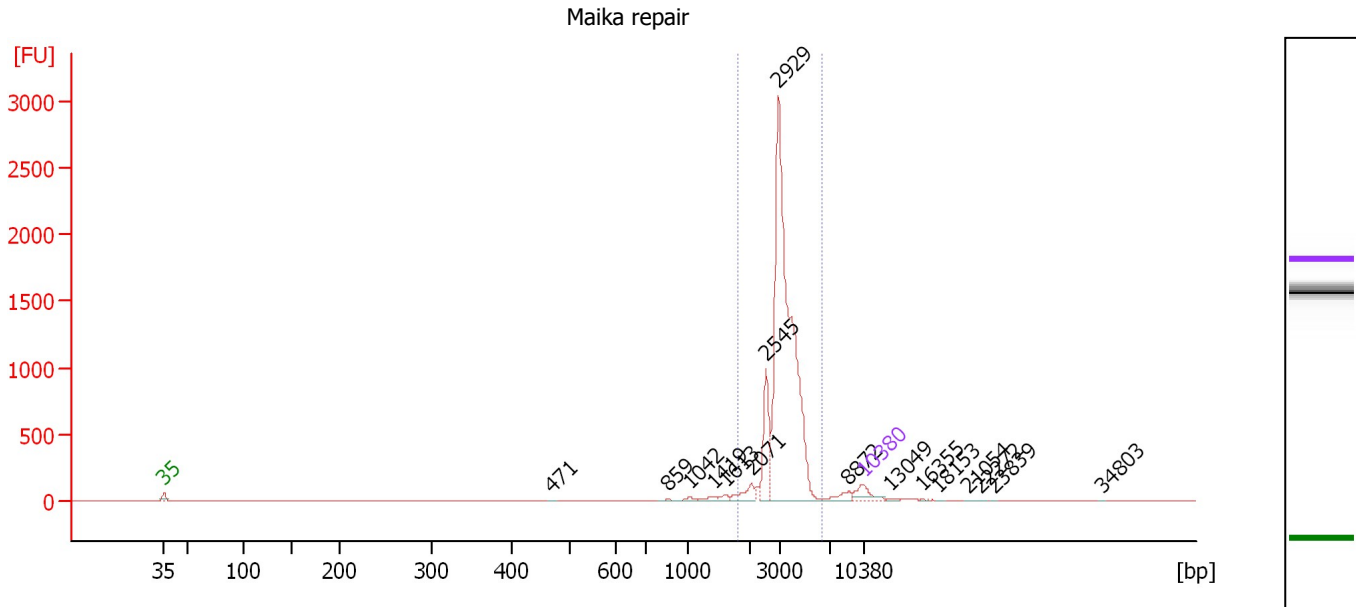
**Region table for sample 10 : Maika concent**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
1,751	11,724	4,310	4,525.8	761.7	1,892.21	96	45.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-12\2016-10-12\_002.xad

Created: 10/12/2016 1:56:27 PM  
 Modified: 10/12/2016 2:38:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : Maika repair**

Number of peaks found: 16                      Corr. Area 1: 5,629.9  
 Noise: 0.6

**Peak table for sample 11 : Maika repair**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	471	1.88	6.0		81.91
3	859	7.30	12.9		93.49
4	1,042	15.68	22.8		95.70
5	1,419	22.26	23.8		98.02
6	1,613	18.40	17.3		99.22
7	2,071	72.74	53.2		101.82
8	2,545	254.80	151.7		103.30
9	2,929	2,041.12	1,055.9		104.49
10	8,872	44.37	7.6		111.53
11	10,380	75.00	10.9	Upper Marker	113.00
12	13,049	0.00	0.0		115.61
13	16,355	0.00	0.0		118.84
14	18,153	0.00	0.0		120.60
15	21,054	0.00	0.0		123.44
16	22,272	0.00	0.0		124.63
17	23,839	0.00	0.0		126.16
18	34,803	0.00	0.0		136.88

**Region table for sample 11 : Maika repair**

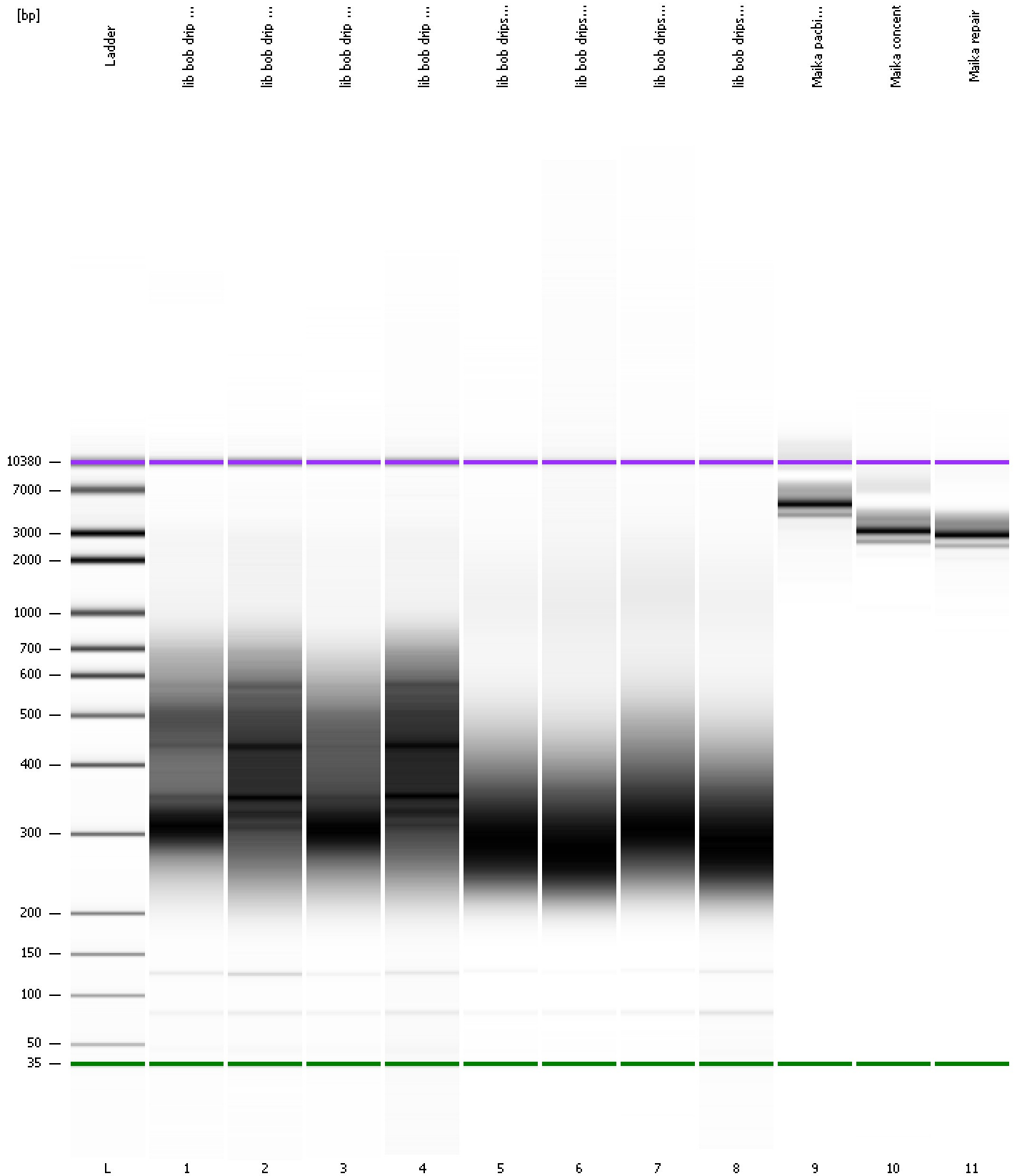
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
1,813	6,366	3,369	5,629.9	1,097.7	2,365.40	93	22.1



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-12\2016-10-12\_002.xad

Created: 10/12/2016 1:56:27 PM  
Modified: 10/12/2016 2:38:05 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-10-12\2016-10-12\_002.xad

Created: 10/12/2016 1:56:27 PM  
 Modified: 10/12/2016 2:38:05 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		10/12/2016 2:36:53 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-10-12\2016-10-12_002.xad)		Instrument	Run		10/12/2016 1:56:32 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		10/12/2016 1:56:32 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		10/12/2016 1:56:32 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		10/12/2016 1:56:32 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		10/12/2016 1:56:32 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		10/12/2016 1:56:32 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		10/12/2016 1:56:32 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1