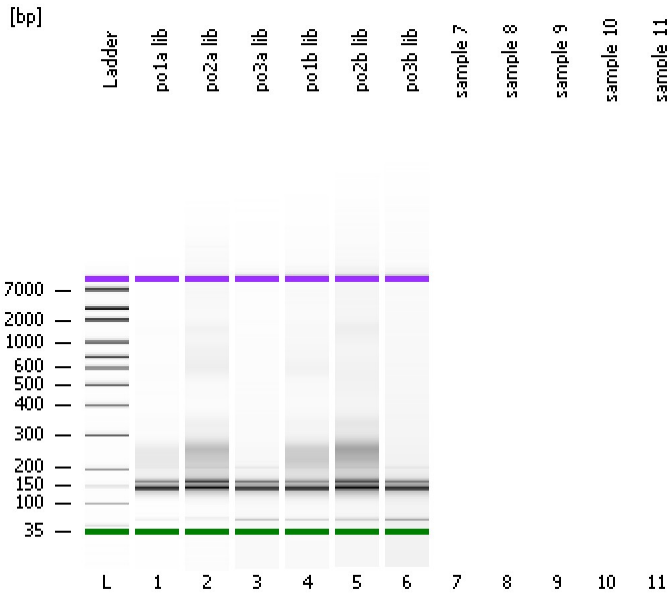


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-29\2018-03-29\_002.xad

Created: 3/29/2018 1:48:02 PM  
Modified: 3/29/2018 2:15:04 PM

### Electrophoresis File Run Summary



#### Instrument Information:

Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

#### 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

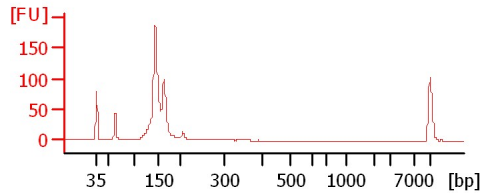
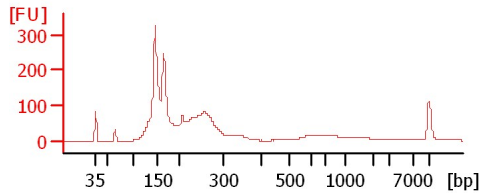
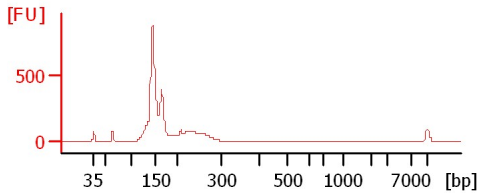
#### Chip Information:

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

po1a lib

po2a lib

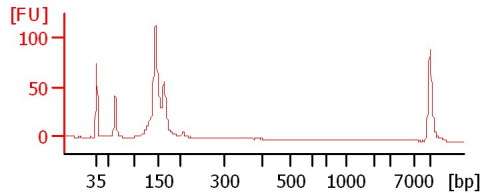
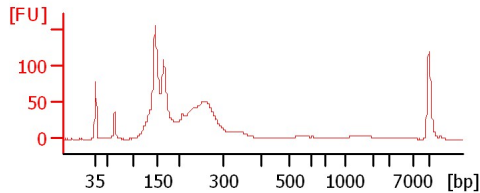
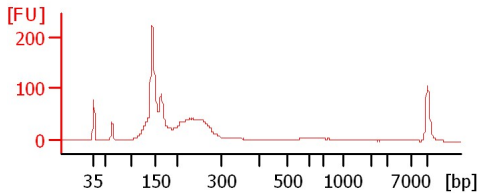
po3a lib



po1b lib

po2b lib

po3b lib



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-29\2018-03-29\_002.xad

Created: 3/29/2018 1:48:02 PM  
 Modified: 3/29/2018 2:15:04 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
po1a lib		<input type="checkbox"/>	✓			
po2a lib		<input type="checkbox"/>	✓			
po3a lib		<input type="checkbox"/>	✓			
po1b lib		<input type="checkbox"/>	✓			
po2b lib		<input type="checkbox"/>	✓			
po3b lib		<input type="checkbox"/>	✓			
sample 7		<input type="checkbox"/>				
sample 8		<input type="checkbox"/>				
sample 9		<input type="checkbox"/>				
sample 10		<input type="checkbox"/>				
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

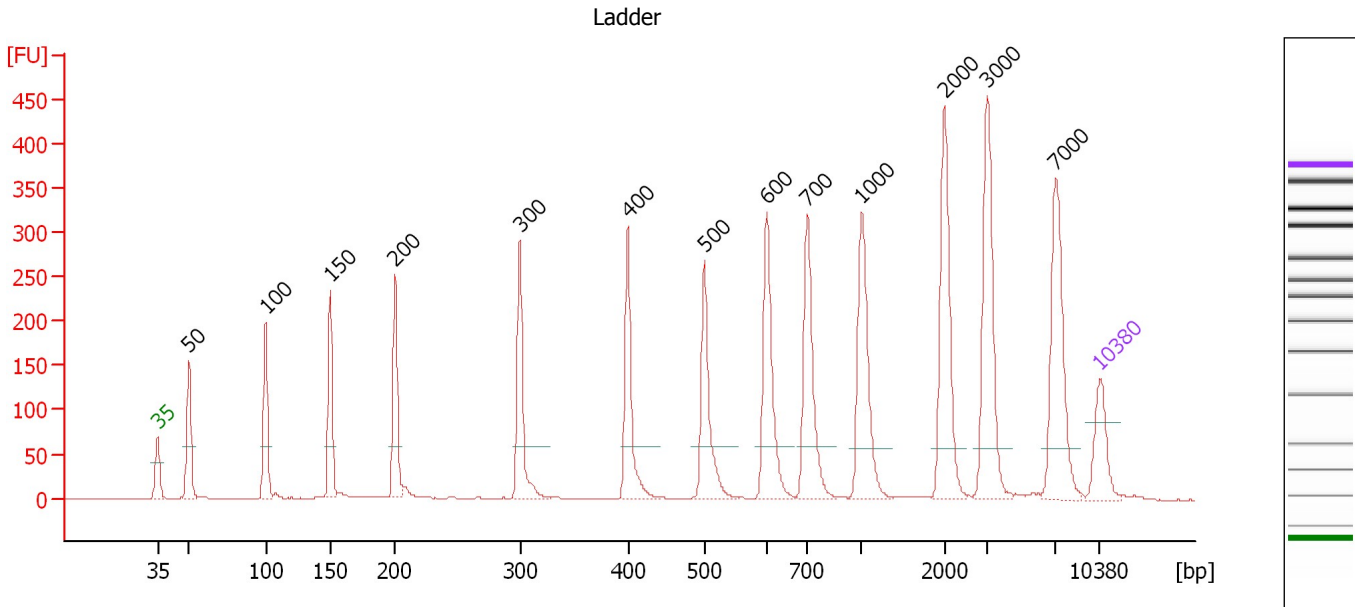
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-29\2018-03-29\_002.xad

Created: 3/29/2018 1:48:02 PM  
 Modified: 3/29/2018 2:15:04 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

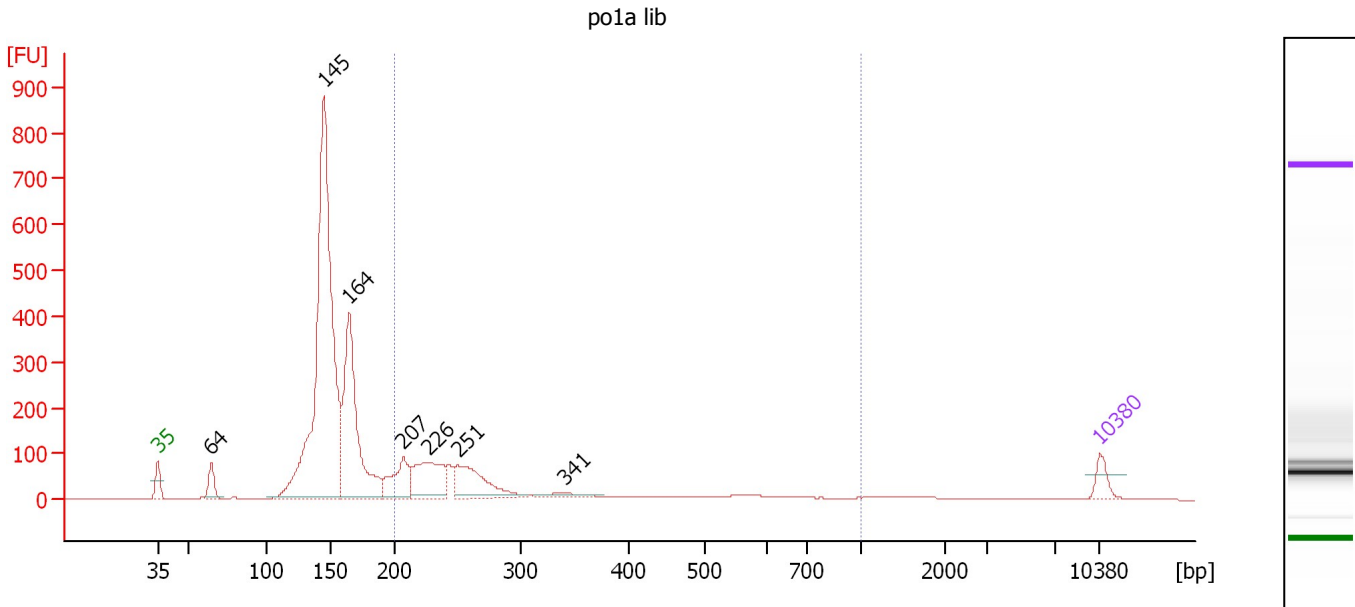
**Peak table for Ladder**

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	45.36
3	100	150.00	2,272.7	Ladder Peak	51.06
4	150	150.00	1,515.2	Ladder Peak	55.87
5	200	150.00	1,136.4	Ladder Peak	60.64
6	300	150.00	757.6	Ladder Peak	69.92
7	400	150.00	568.2	Ladder Peak	77.93
8	500	150.00	454.5	Ladder Peak	83.62
9	600	150.00	378.8	Ladder Peak	88.24
10	700	150.00	324.7	Ladder Peak	91.29
11	1,000	150.00	227.3	Ladder Peak	95.32
12	2,000	150.00	113.6	Ladder Peak	101.46
13	3,000	150.00	75.8	Ladder Peak	104.60
14	7,000	150.00	32.5	Ladder Peak	109.71
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-29\2018-03-29\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : po1a lib**

Number of peaks found: 7                      Corr. Area 1: 1,130.8  
 Noise: 0.3

**Peak table for sample 1 : po1a 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	64	147.03	3,475.7		46.96
3	145	3,650.62	38,269.0		55.34
4	164	1,339.91	12,342.3		57.25
5	207	317.79	2,328.5		61.27
6	226	447.75	2,998.6		63.07
7	251	431.58	2,604.1		65.38
8	341	62.34	276.9		73.21
9	10,380	75.00	10.9	Upper Marker	113.00

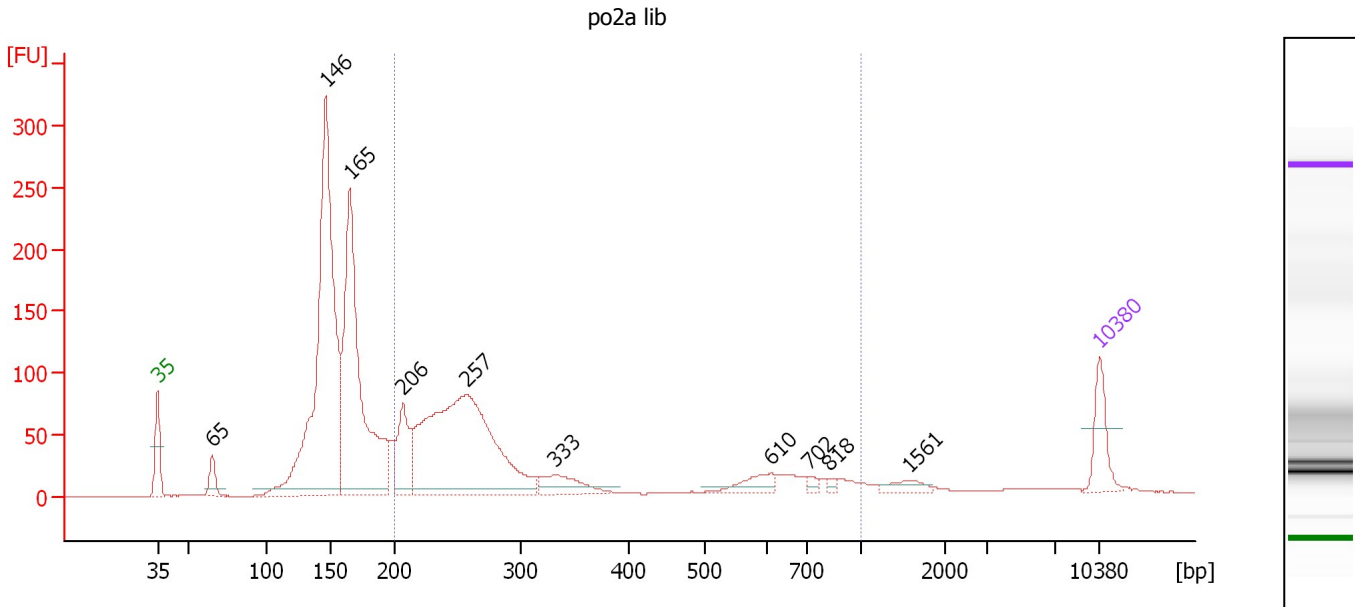
**Region table for sample 1 : po1a lib**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	309	1,130.8	1,577.03	9,078.6	25	46.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-29\2018-03-29\_002.xad

Created: 3/29/2018 1:48:02 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : po2a lib**

Number of peaks found: 10                      Corr. Area 1: 1,240.7  
 Noise: 0.2

**Peak table for sample 2 : po2a 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	65	56.54	1,316.4		47.08
3	146	1,274.12	13,227.0		55.48
4	165	896.48	8,236.2		57.29
5	206	164.14	1,205.7		61.22
6	257	933.52	5,498.9		65.95
7	333	84.41	384.4		72.54
8	610	44.03	109.4		88.54
9	702	11.95	25.8		91.31
10	818	8.23	15.2		92.87
11	1,561	24.22	23.5		98.76
12	10,380	75.00	10.9	Upper Marker	113.00

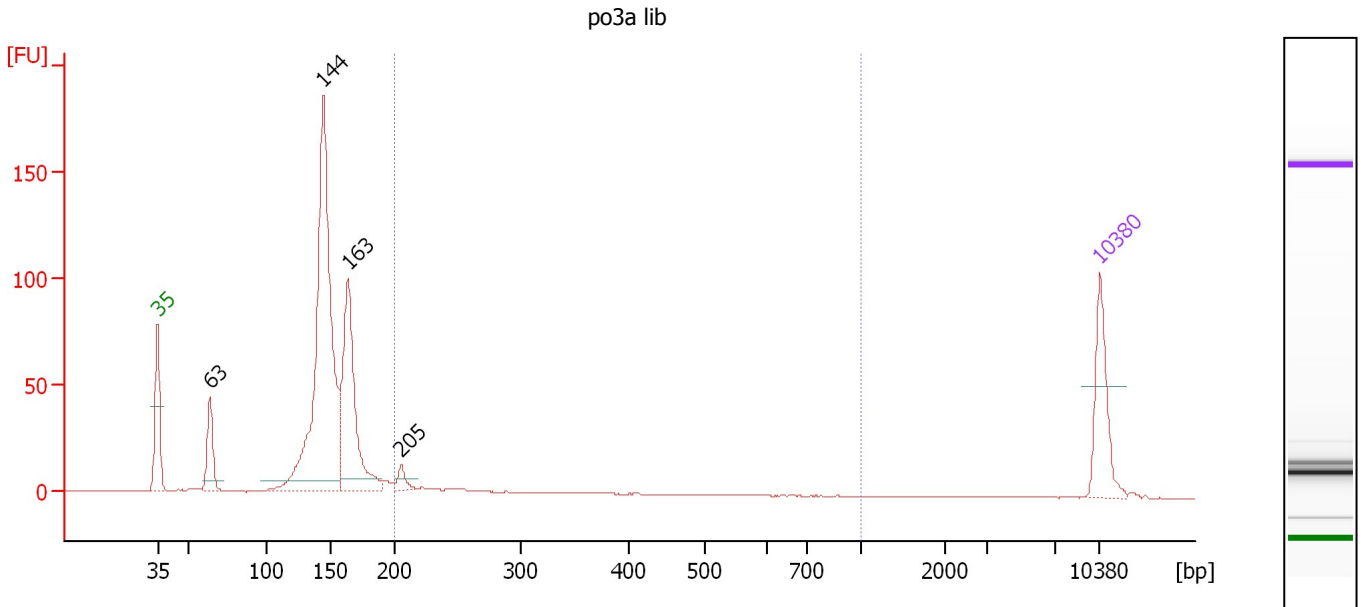
**Region table for sample 2 : po2a lib**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	353	1,240.7	1,515.14	8,224.8	41	53.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-29\2018-03-29\_002.xad

Created: 3/29/2018 1:48:02 PM  
 Modified: 3/29/2018 2:15:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : po3a lib**

Number of peaks found: 4                      Corr. Area 1: 45.1  
 Noise: 0.2

**Peak table for sample 3 : po3a 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	63	83.91	2,007.4		46.88
3	144	704.13	7,407.0		55.30
4	163	298.64	2,771.8		57.13
5	205	20.21	149.3		61.11
6	10,380	75.00	10.9	Upper Marker	113.00

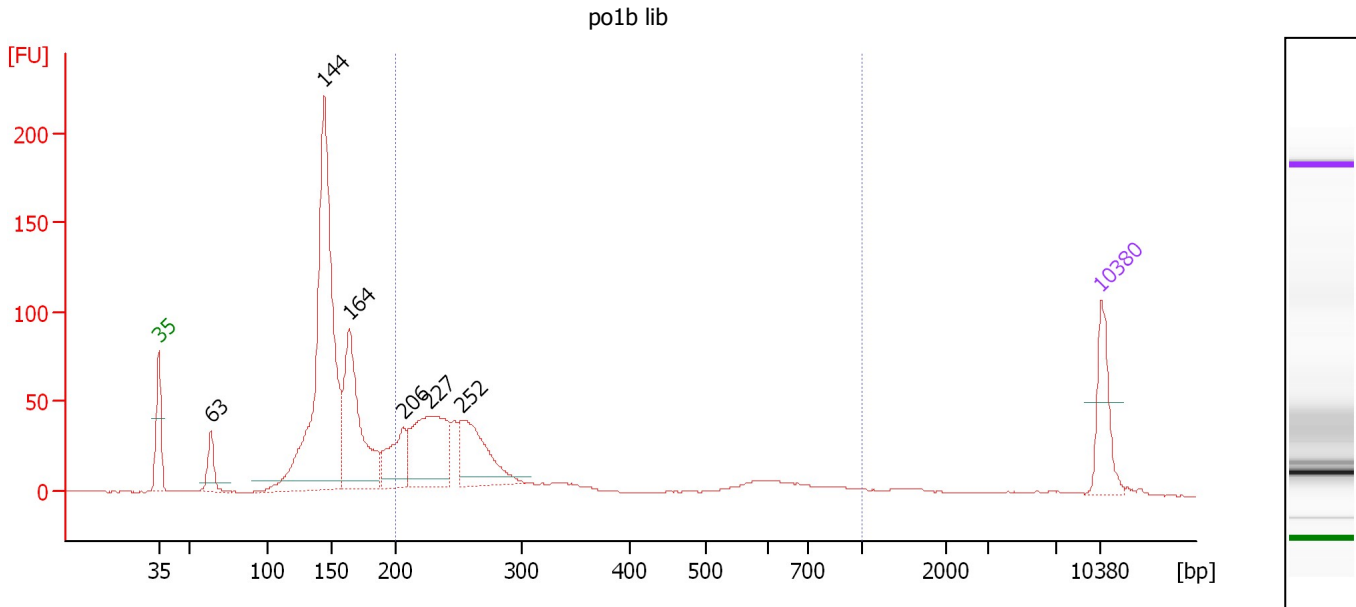
**Region table for sample 3 : po3a lib**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	274	45.1	62.45	382.3	6	36.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-29\2018-03-29\_002.xad

Created: 3/29/2018 1:48:02 PM  
 Modified: 3/29/2018 2:15:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : po1b lib**

Number of peaks found: 6                      Corr. Area 1: 598.3  
 Noise: 0.2

**Peak table for sample 4 : po1b 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	63	62.94	1,508.9		46.86
3	144	856.83	8,998.1		55.32
4	164	319.58	2,953.7		57.20
5	206	118.51	872.9		61.17
6	227	245.80	1,640.1		63.15
7	252	175.53	1,053.8		65.50
8	10,380	75.00	10.9	Upper Marker	113.00

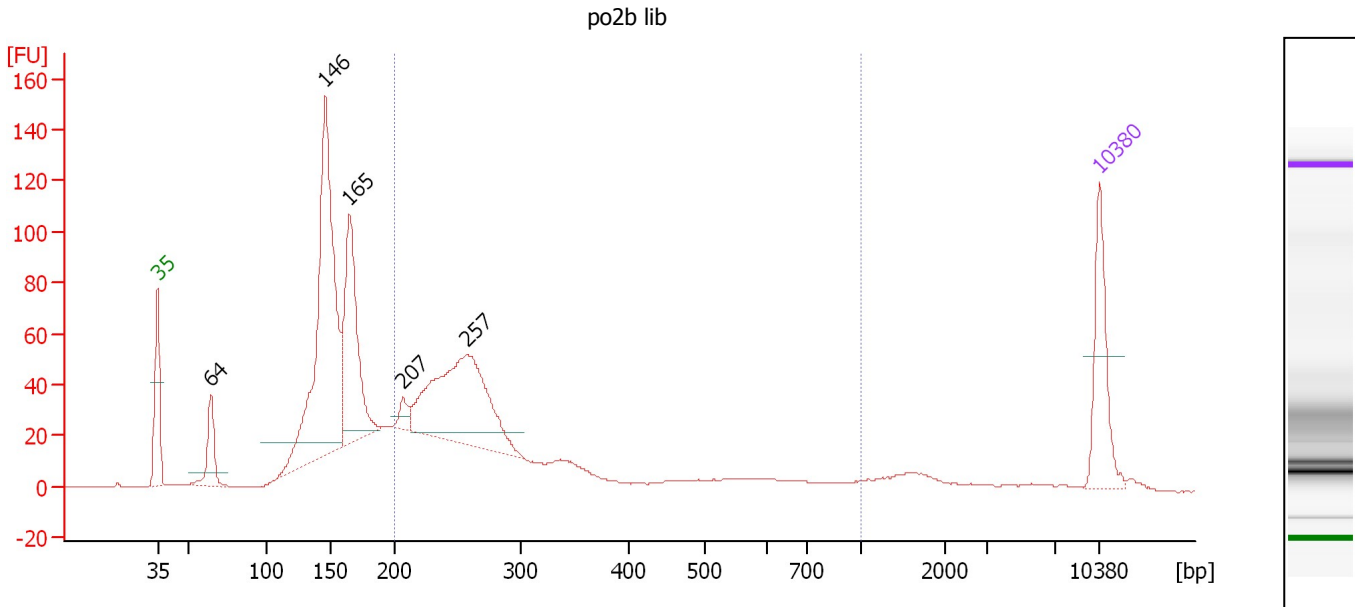
**Region table for sample 4 : po1b lib**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	326	598.3	749.66	4,261.2	38	51.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-29\2018-03-29\_002.xad

Created: 3/29/2018 1:48:02 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : po2b lib**

Number of peaks found: 5                      Corr. Area 1: 732.8  
 Noise: 0.2

**Peak table for sample 5 : po2b 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	64	64.56	1,529.0		46.95
3	146	509.59	5,305.1		55.44
4	165	231.84	2,134.8		57.26
5	207	19.19	140.6		61.26
6	257	299.88	1,765.6		65.96
7	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 5 : po2b lib**

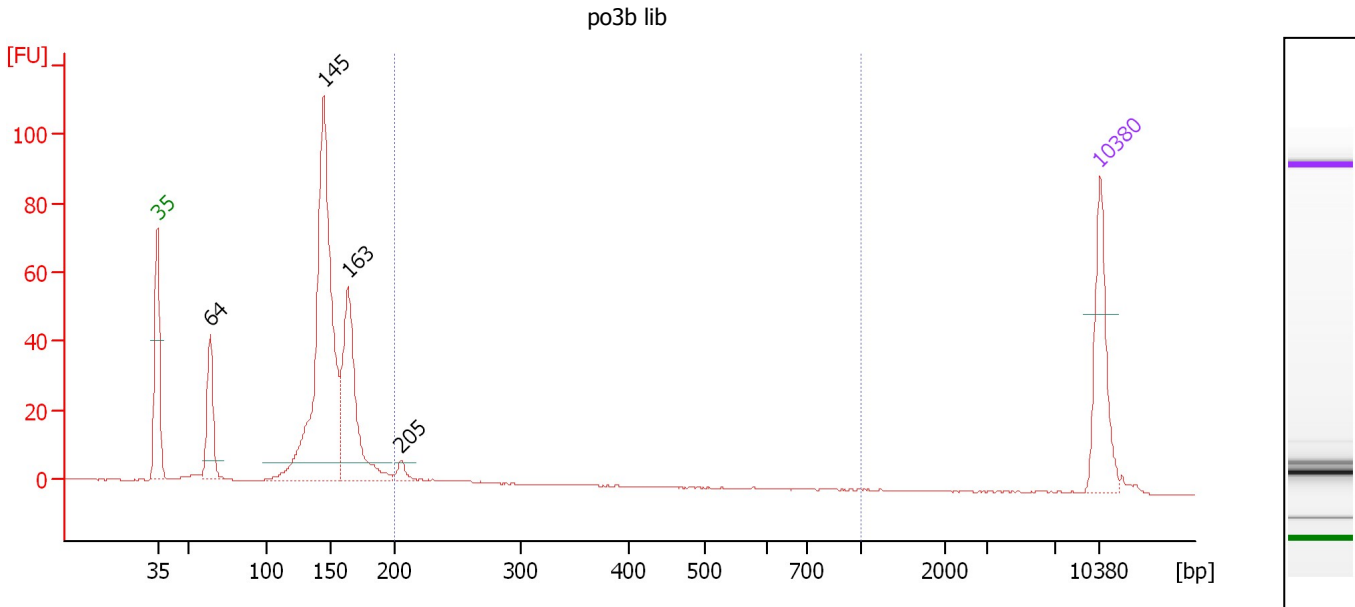
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	318	732.8	840.82	4,672.5	44	46.0



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-29\2018-03-29\_002.xad

Created: 3/29/2018 1:48:02 PM  
 Modified: 3/29/2018 2:15:04 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : po3b lib**

Number of peaks found: 4                      Corr. Area 1: 25.7  
 Noise: 0.1

**Peak table for sample 6 : po3b 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	64	90.81	2,160.8		46.92
3	145	498.17	5,221.4		55.35
4	163	202.14	1,875.0		57.14
5	205	11.18	82.8		61.06
6	10,380	75.00	10.9	Upper Marker	113.00

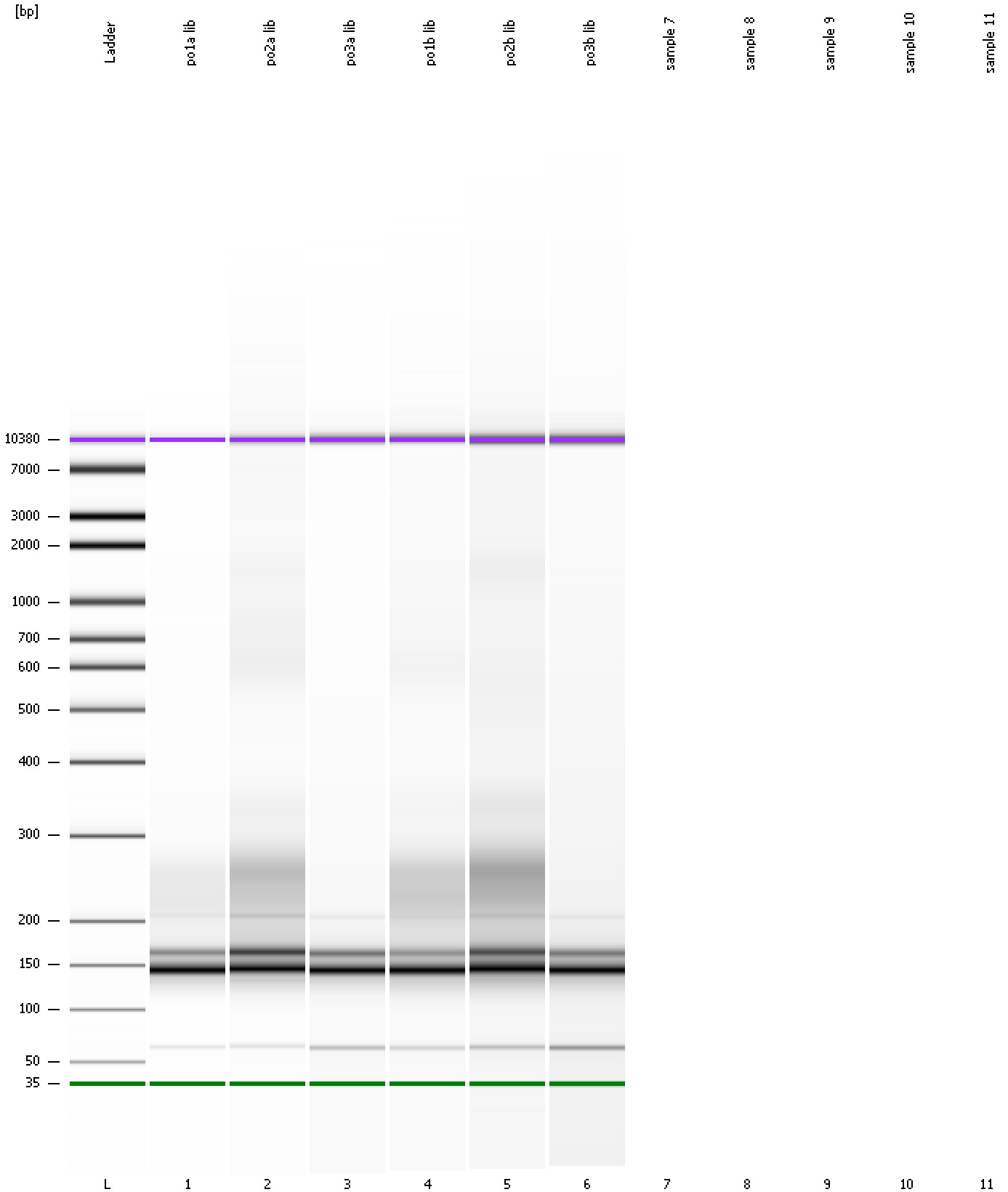
**Region table for sample 6 : po3b lib**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	301	25.7	40.46	241.9	5	49.9

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-29\2018-03-29\_002.xad

Created: 3/29/2018 1:48:02 PM  
Modified: 3/29/2018 2:15:04 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-29\2018-03-29\_002.xad

Created: 3/29/2018 1:48:02 PM  
Modified: 3/29/2018 2:15:04 PM

**Invalid Samples**

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.