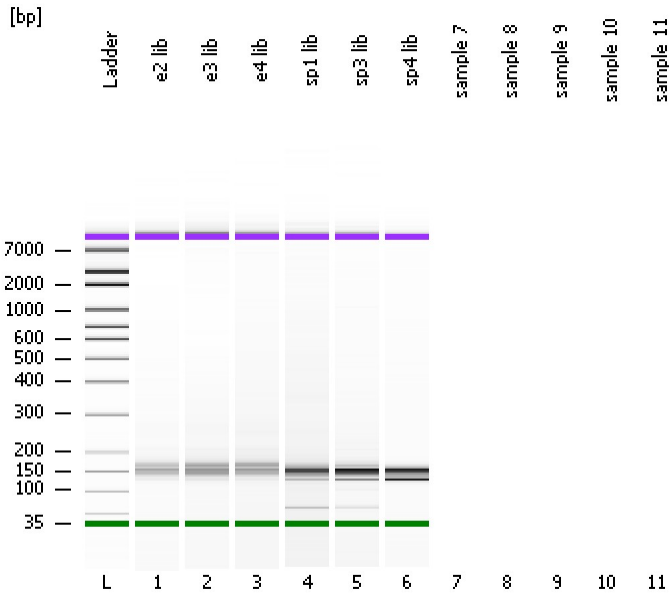


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-11\2017-05-11\_002.xad

Created: 5/11/2017 12:50:00 PM  
Modified: 5/11/2017 1:18:16 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

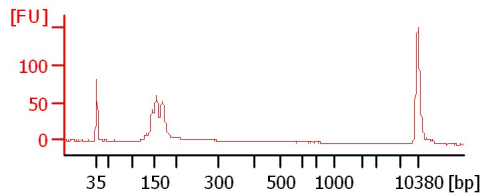
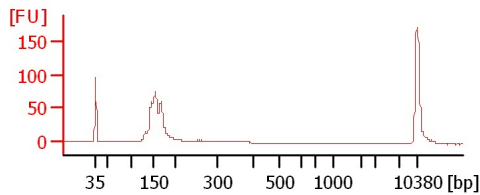
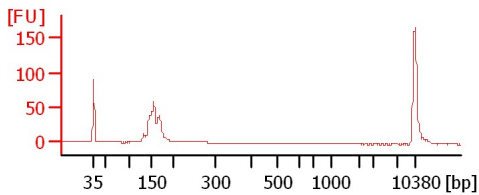
#### Chip Information:

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

e2 lib

e3 lib

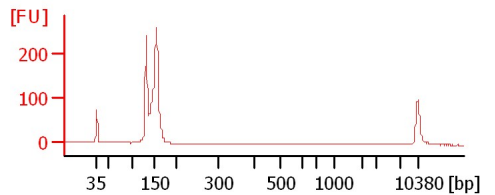
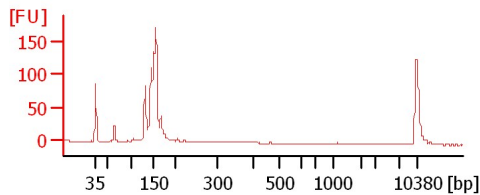
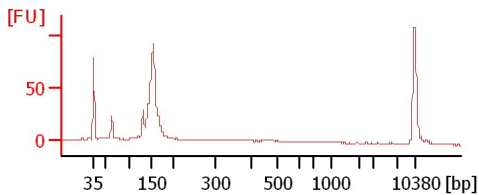
e4 lib



sp1 lib

sp3 lib

sp4 lib



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-11\2017-05-11\_002.xad

Created: 5/11/2017 12:50:00 PM  
 Modified: 5/11/2017 1:18:16 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
e2 lib		<input type="checkbox"/>				
e3 lib		<input type="checkbox"/>				
e4 lib		<input type="checkbox"/>				
sp1 lib		<input type="checkbox"/>				
sp3 lib		<input type="checkbox"/>				
sp4 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 #**

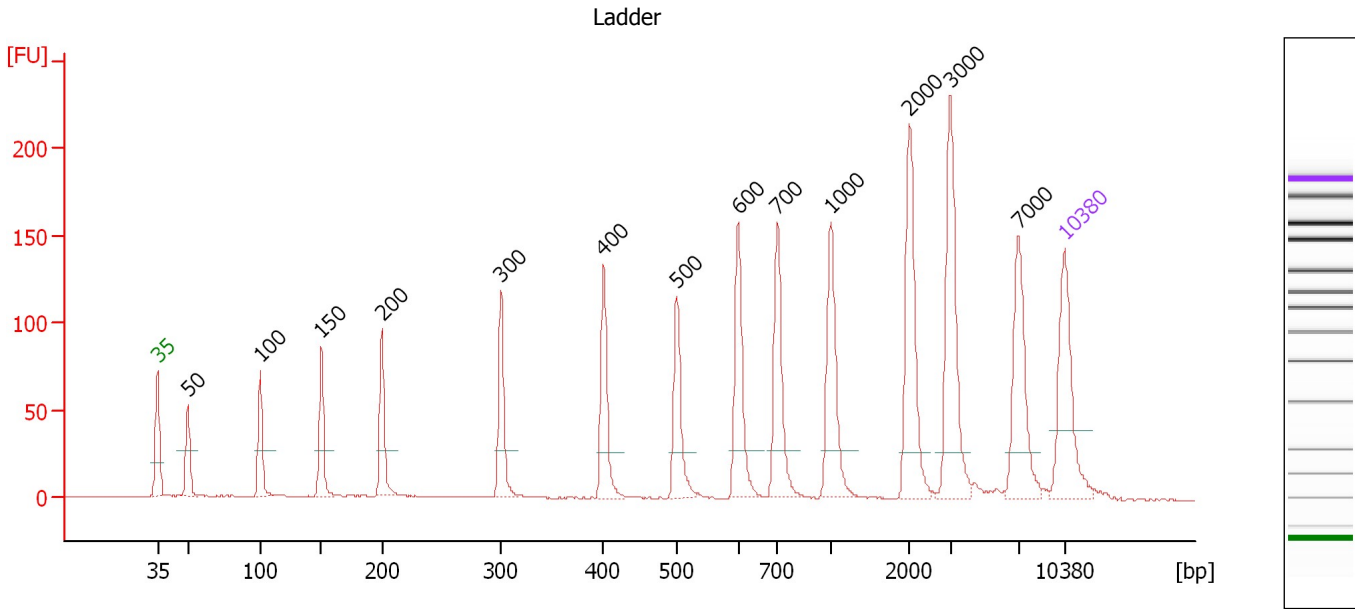
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-11\2017-05-11\_002.xad

Created: 5/11/2017 12:50:00 PM  
 Modified: 5/11/2017 1:18:16 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

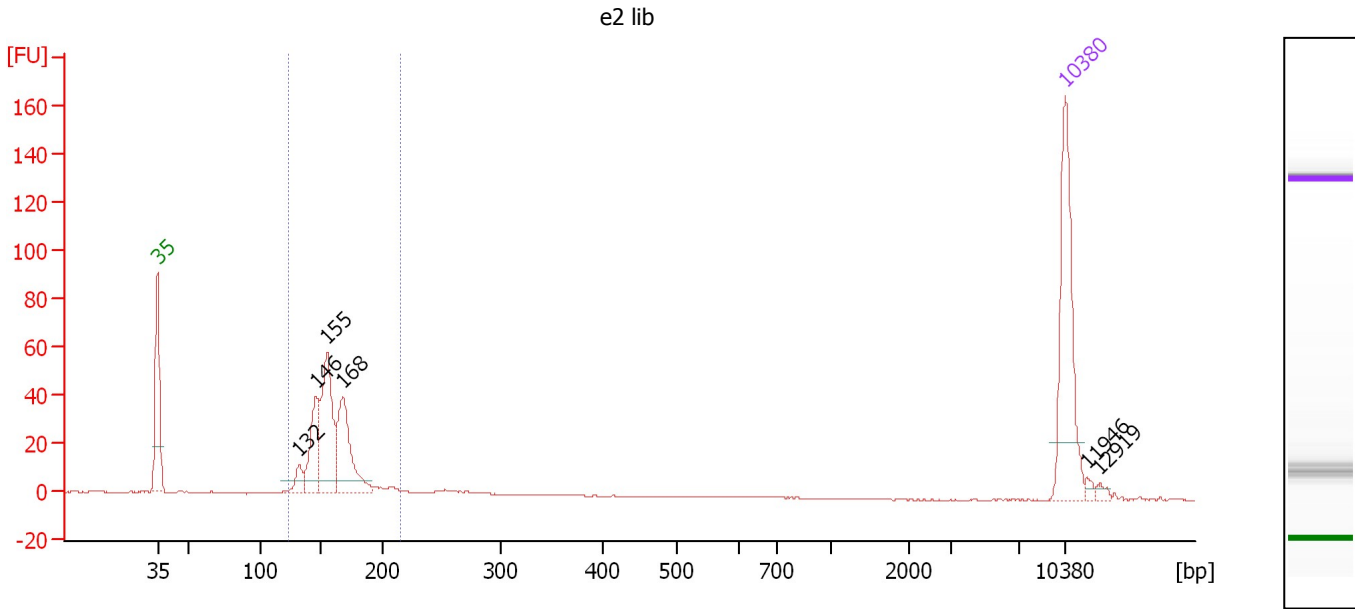
**Peak table for Ladder**

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	50.92
4	150	150.00	1,515.2	Ladder Peak	55.63
5	200	150.00	1,136.4	Ladder Peak	60.30
6	300	150.00	757.6	Ladder Peak	69.51
7	400	150.00	568.2	Ladder Peak	77.42
8	500	150.00	454.5	Ladder Peak	83.07
9	600	150.00	378.8	Ladder Peak	87.78
10	700	150.00	324.7	Ladder Peak	90.81
11	1,000	150.00	227.3	Ladder Peak	94.94
12	2,000	150.00	113.6	Ladder Peak	100.99
13	3,000	150.00	75.8	Ladder Peak	104.15
14	7,000	150.00	32.5	Ladder Peak	109.40
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-11\2017-05-11\_002.xad

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 Modified: 5/11/2017 1:18:16 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : e2 lib**

Number of peaks found: 6                      Corr. Area 1: 285.2  
 Noise: 0.2

**Peak table for sample 1 : e2 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	132	14.72	169.2		53.91
3	146	55.58	578.0		55.22
4	155	94.69	926.7		56.08
5	168	79.39	716.6		57.30
6	10,380	75.00	10.9	Upper Marker	113.00
7	11,946	0.00	0.0		114.67
8	12,919	0.00	0.0		115.71

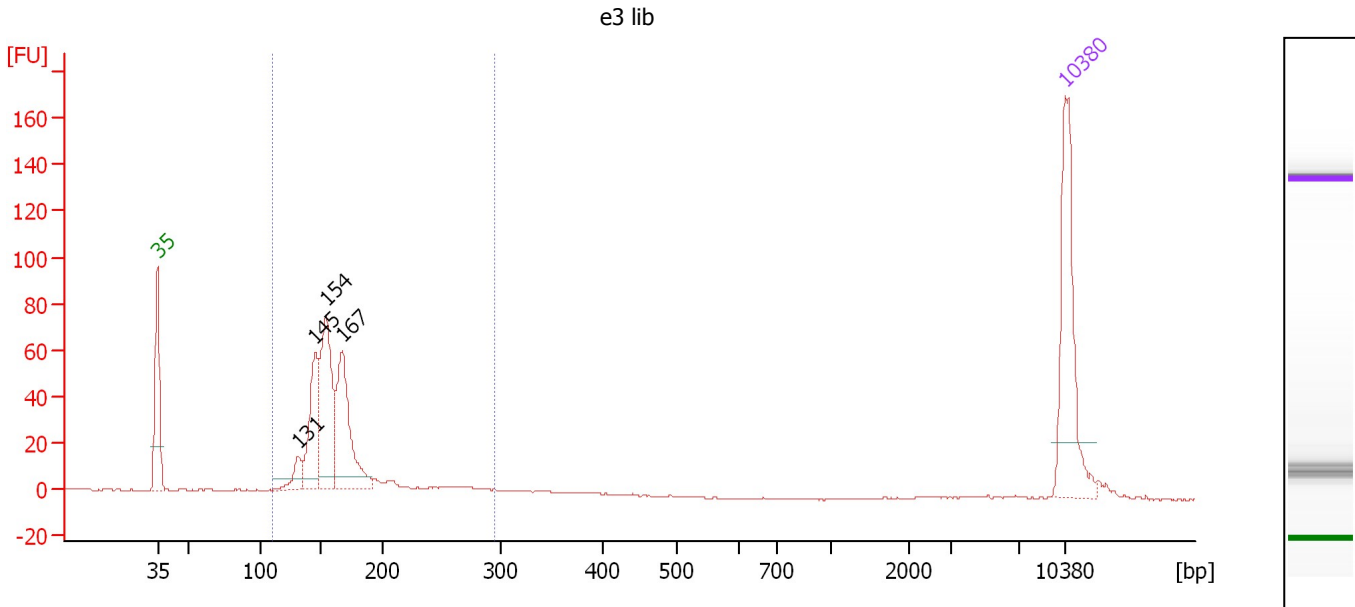
**Region table for sample 1 : e2 lib**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
122	216	158	285.2	2,494.0	258.34	87	9.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-11\2017-05-11\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : e3 lib**

Number of peaks found: 4                      Corr. Area 1: 437.8  
 Noise: 0.2

**Peak table for sample 2 : e3 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	131	19.66	227.9		53.81
3	145	75.03	784.9		55.14
4	154	112.19	1,102.9		56.02
5	167	103.35	935.3		57.26
6	10,380	75.00	10.9	Upper Marker	113.00

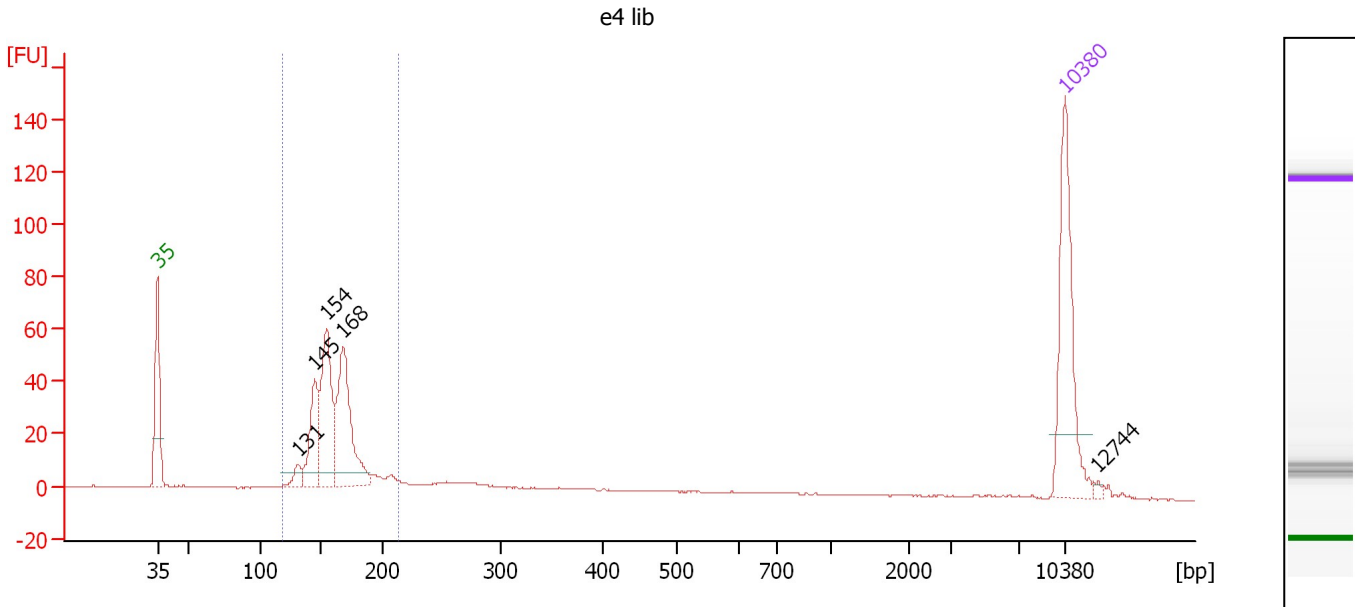
**Region table for sample 2 : e3 lib**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
110	294	164	437.8	3,289.4	345.84	96	17.4

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-11\2017-05-11\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : e4 lib**

Number of peaks found: 5                      Corr. Area 1: 327.2  
 Noise: 0.2

**Peak table for sample 3 : e4 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	131	11.31	131.0		53.83
3	145	57.87	605.8		55.13
4	154	98.09	964.0		56.02
5	168	109.35	985.3		57.33
6	10,380	75.00	10.9	Upper Marker	113.00
7	12,744	0.00	0.0		115.52

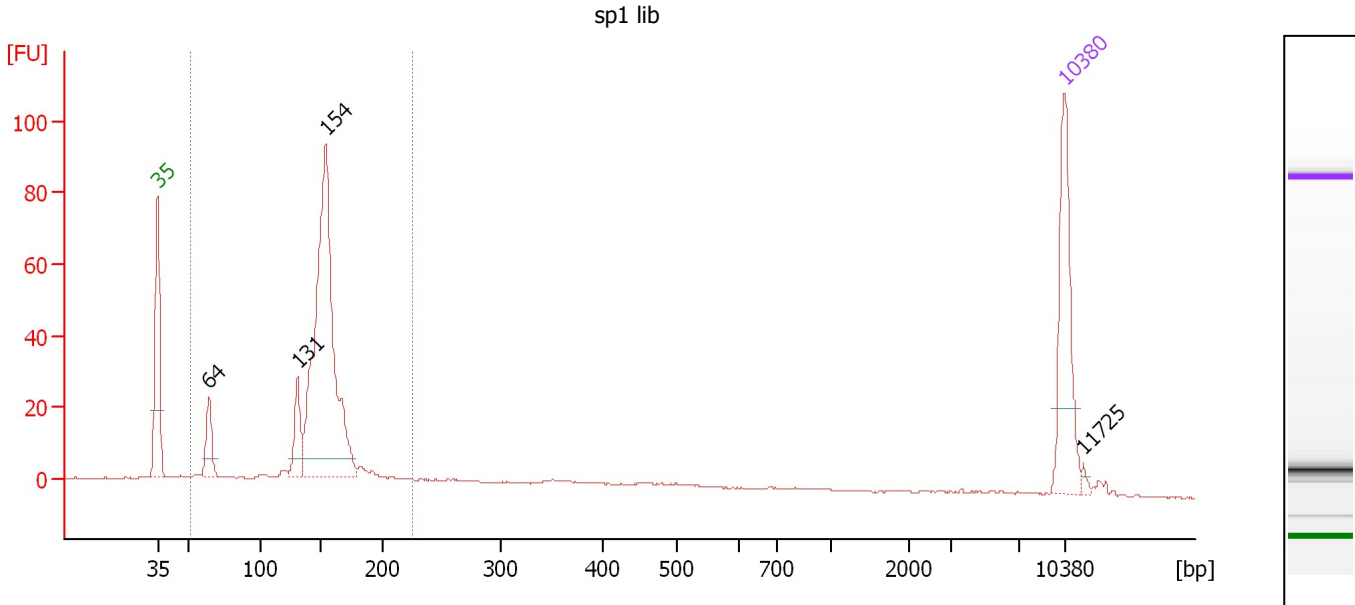
**Region table for sample 3 : e4 lib**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
118	214	161	327.2	2,938.4	308.30	83	10.4

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-11\2017-05-11\_002.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : sp1 lib**

Number of peaks found: 4                      Corr. Area 1: 378.1  
 Noise: 0.2

**Peak table for sample 4 : sp1 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	37.03	870.3		46.97
3	131	44.13	512.1		53.80
4	154	393.21	3,870.5		56.00
5	10,380	75.00	10.9	Upper Marker	113.00
6	11,725	0.00	0.0		114.43

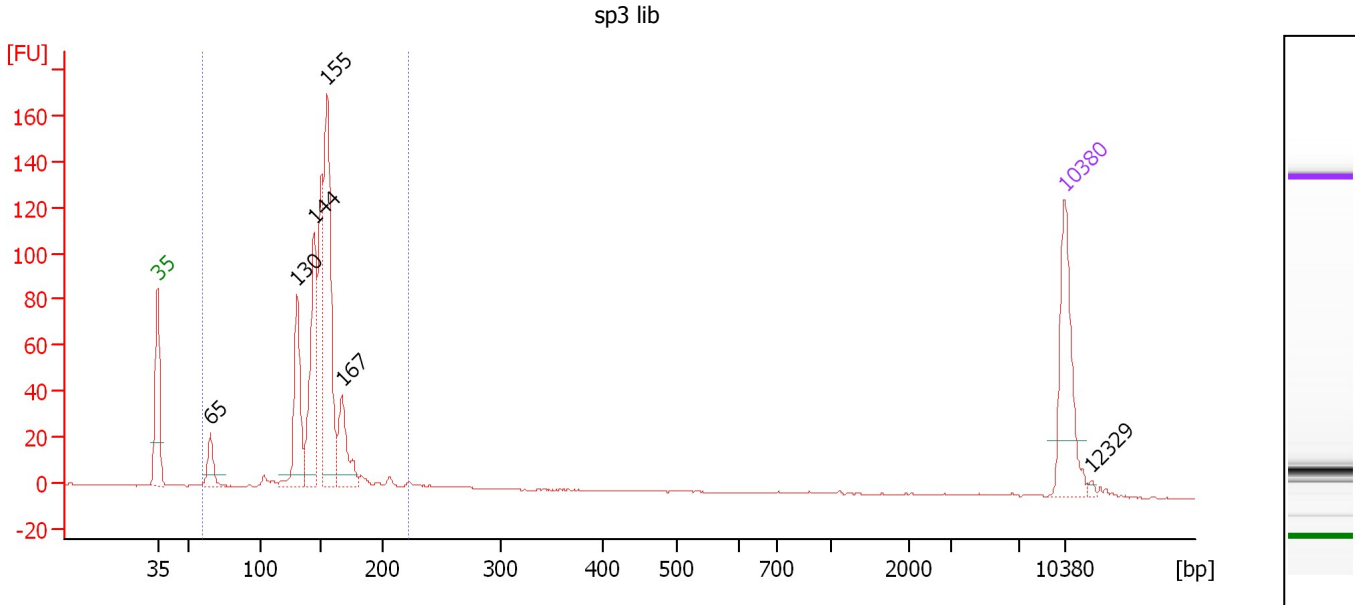
**Region table for sample 4 : sp1 lib**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
51	226	145	378.1	6,261.8	554.59	89	19.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-11\2017-05-11\_002.xad

Created: 5/11/2017 12:50:00 PM  
 Modified: 5/11/2017 1:18:16 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : sp3 lib**

Number of peaks found: 6                      Corr. Area 1: 614.1  
 Noise: 0.1

**Peak table for sample 5 : sp3 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	34.15	792.5		47.06
3	130	109.48	1,273.1		53.77
4	144	148.67	1,562.9		55.08
5	155	243.97	2,385.8		56.09
6	167	66.59	602.9		57.25
7	10,380	75.00	10.9	Upper Marker	113.00
8	12,329	0.00	0.0		115.08

**Region table for sample 5 : sp3 lib**

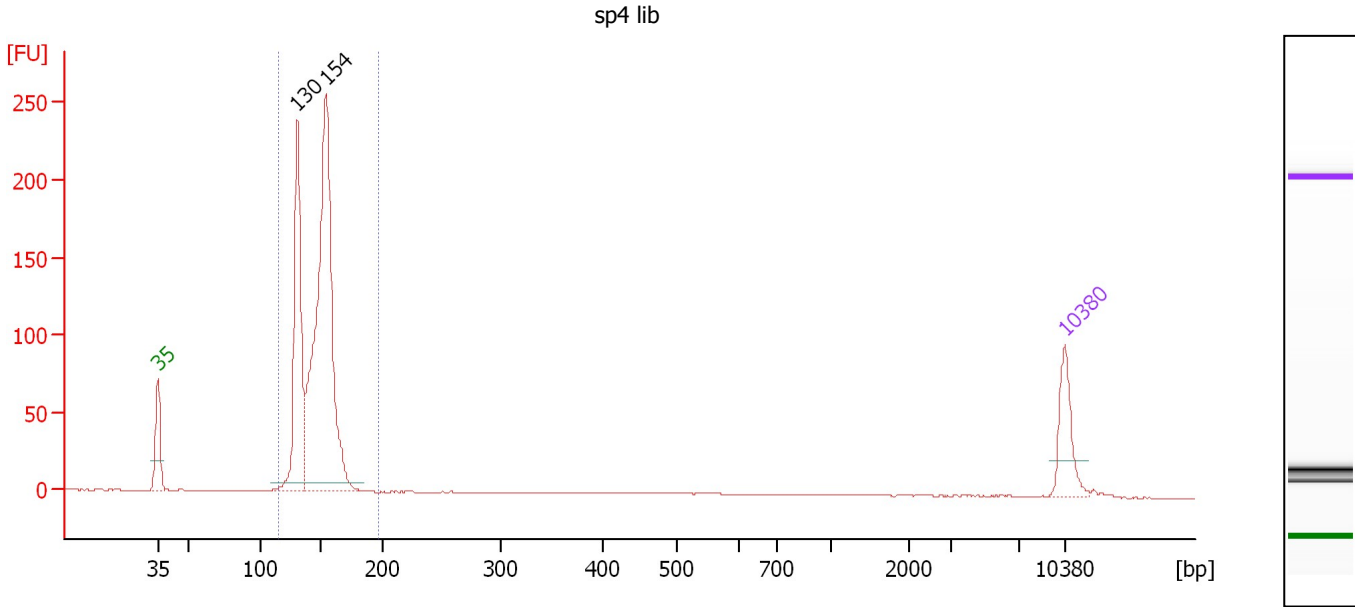
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
60	223	147	614.1	7,928.0	739.43	98	14.1



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-11\2017-05-11\_002.xad

Created: 5/11/2017 12:50:00 PM  
 Modified: 5/11/2017 1:18:16 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : sp4 lib**

Number of peaks found: 2                      Corr. Area 1: 934.9  
 Noise: 0.2

**Peak table for sample 6 : sp4 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	130	455.47	5,296.3		53.77
3	154	1,002.14	9,865.6		56.00
4	10,380	75.00	10.9	Upper Marker	113.00

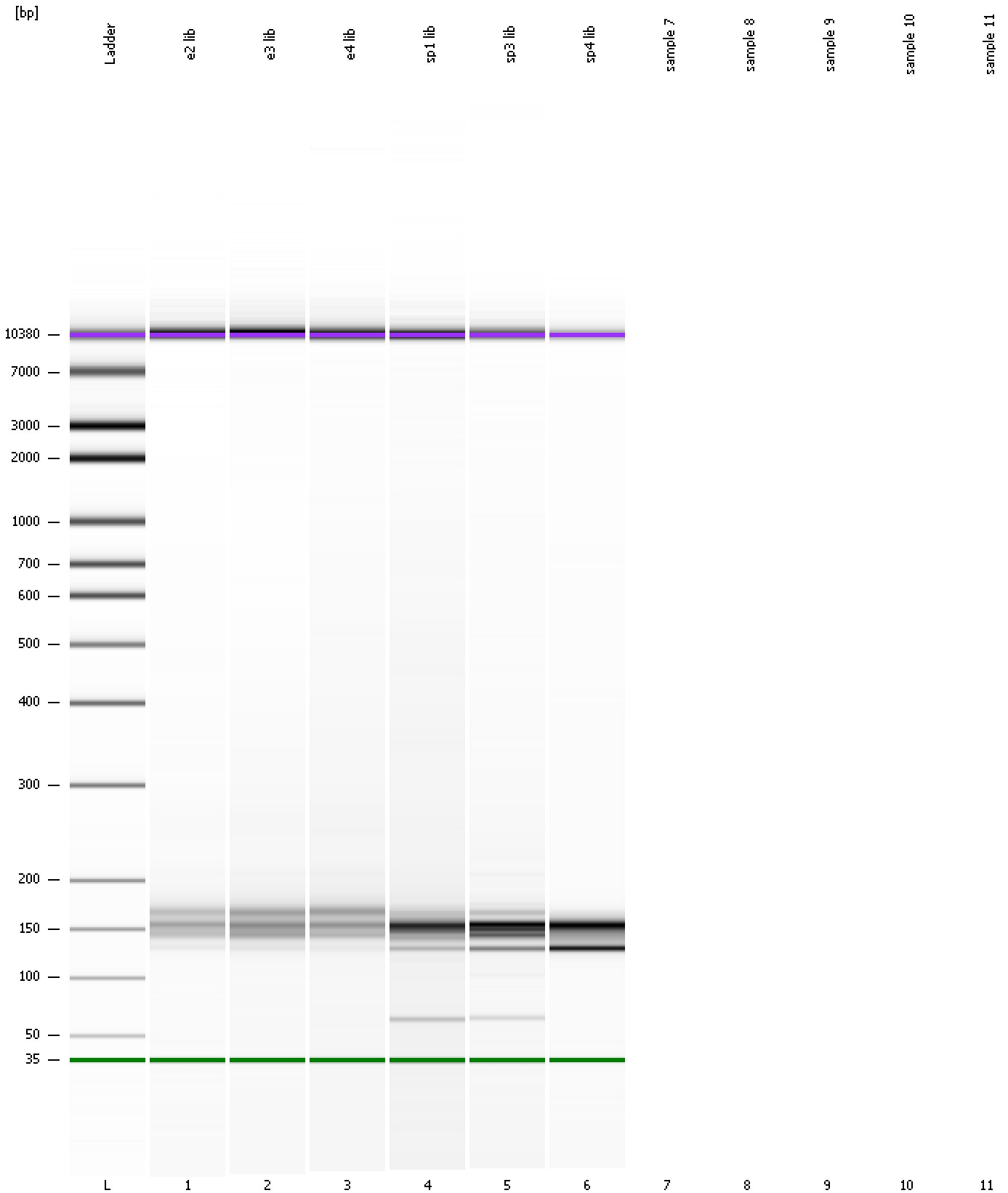
**Region table for sample 6 : sp4 lib**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
115	197	146	934.9	15,297.6	1,463.21	96	8.1

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-11\2017-05-11\_002.xad

Created: 5/11/2017 12:50:00 PM  
Modified: 5/11/2017 1:18:16 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-11\2017-05-11\_002.xad

Created: 5/11/2017 12:50:00 PM  
Modified: 5/11/2017 1:18:16 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.