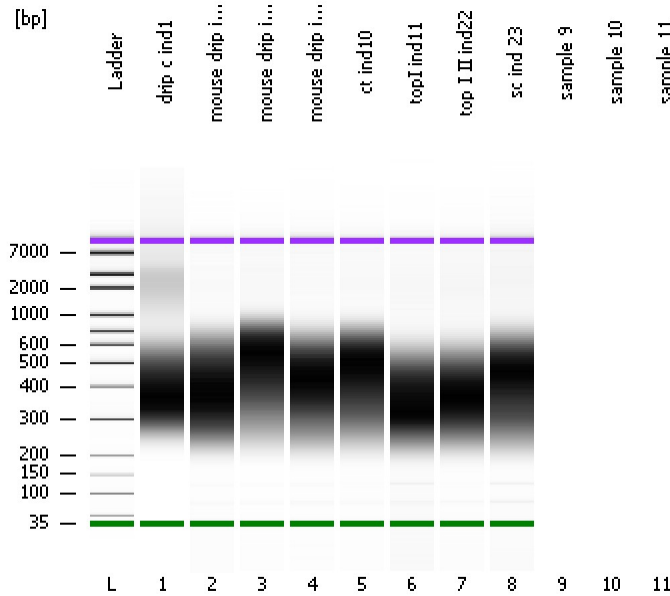


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-11\2014-02-11\_007.xad

Created: 2/11/2014 3:22:36 PM  
Modified: 2/11/2014 3:58:43 PM

### Electrophoresis File Run Summary



#### Instrument Information:

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

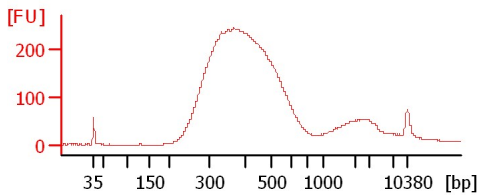
#### Assay Information:

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

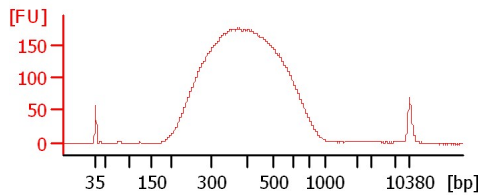
#### Chip Information:

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

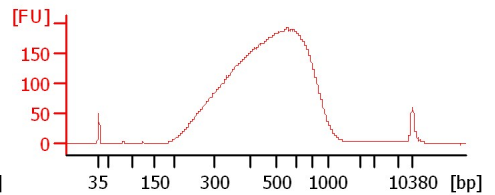
drip c ind1



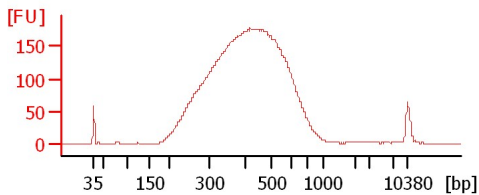
mouse drip ind 3



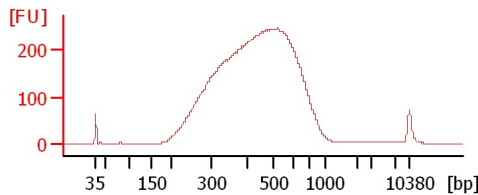
mouse drip index 8



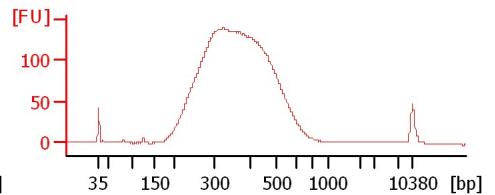
mouse drip ind 9



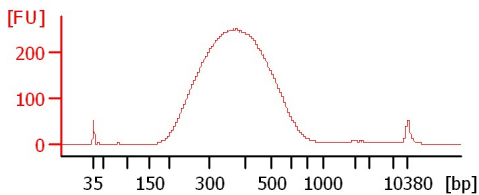
ct ind10



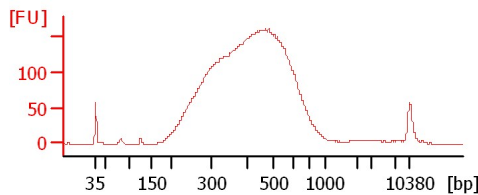
topI ind11



top I II ind22



sc ind 23



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-11\2014-02-11\_007.xad

Created: 2/11/2014 3:22:36 PM  
 Modified: 2/11/2014 3:58:43 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
drip c ind1		<input type="checkbox"/>	✓			
mouse drip ind 3		<input type="checkbox"/>	✓			
mouse drip index 8		<input type="checkbox"/>	✓			
mouse drip ind 9		<input type="checkbox"/>	✓			
ct ind10		<input type="checkbox"/>	✓			
topI ind11		<input type="checkbox"/>	✓			
top I II ind22		<input type="checkbox"/>	✓			
sc ind 23		<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:\...ents and Settings\Bioanalyzer\2014-02-11\2014-02-11\_007.xad

Created: 2/11/2014 3:22:36 PM  
Modified: 2/11/2014 3:58:43 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

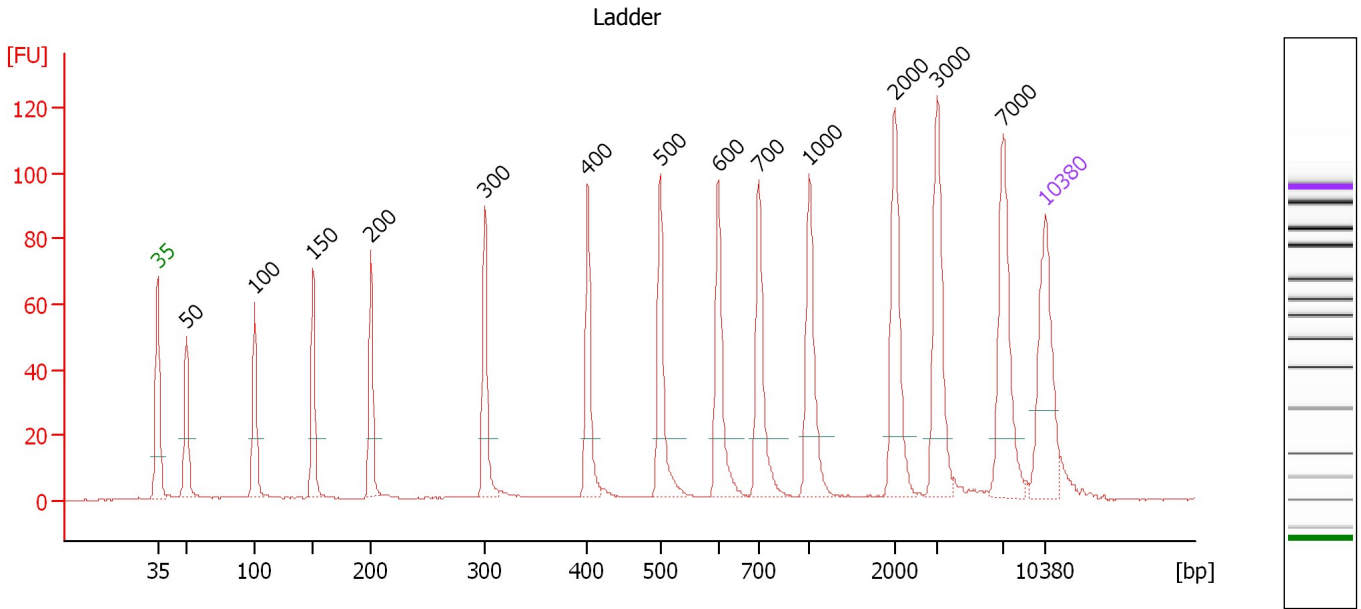
**Ladder**

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:\...ents and Settings\Bioanalyzer\2014-02-11\2014-02-11\_007.xad

Created: 2/11/2014 3:22:36 PM  
 Modified: 2/11/2014 3:58:43 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

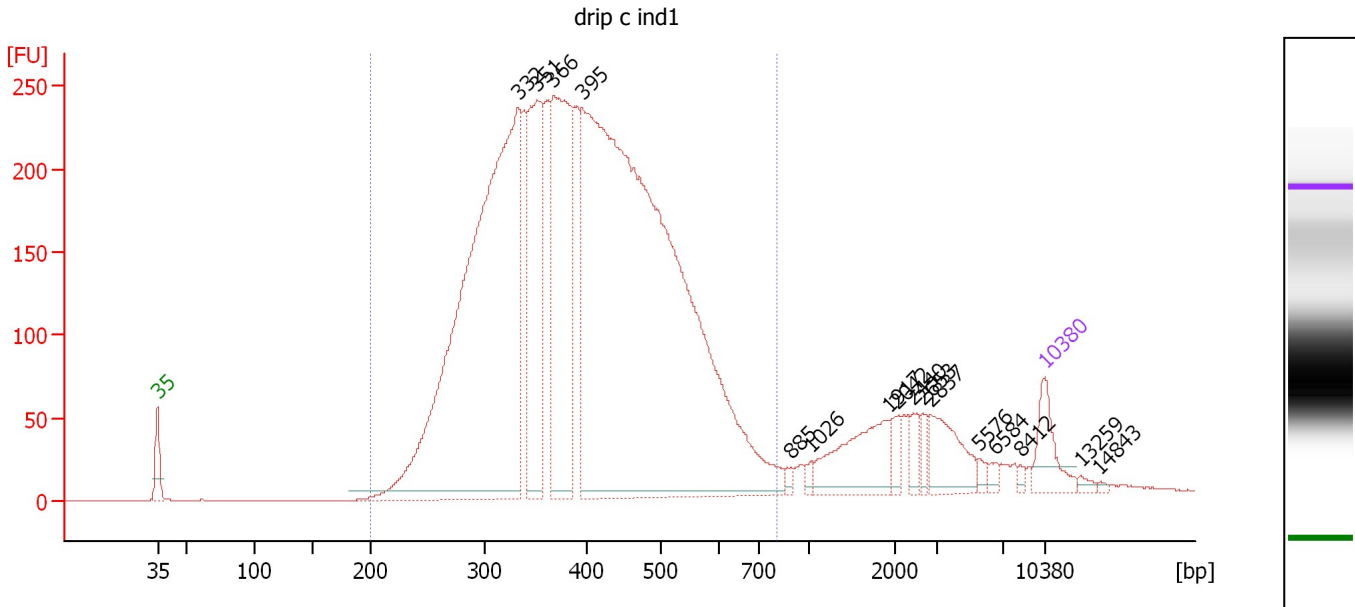
**Peak table for Ladder**

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	45.28	50	150.00	4,545.5	Ladder Peak
3	50.67	100	150.00	2,272.7	Ladder Peak
4	55.27	150	150.00	1,515.2	Ladder Peak
5	59.83	200	150.00	1,136.4	Ladder Peak
6	68.84	300	150.00	757.6	Ladder Peak
7	76.93	400	150.00	568.2	Ladder Peak
8	82.65	500	150.00	454.5	Ladder Peak
9	87.25	600	150.00	378.8	Ladder Peak
10	90.46	700	150.00	324.7	Ladder Peak
11	94.41	1,000	150.00	227.3	Ladder Peak
12	101.19	2,000	150.00	113.6	Ladder Peak
13	104.49	3,000	150.00	75.8	Ladder Peak
14	109.70	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\2014-02-11\2014-02-11\_007.xad

Created: 2/11/2014 3:22:36 PM  
 Modified: 2/11/2014 3:58:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : drip c ind1**

Number of peaks found: 16                      Corr. Area 1: 5,829.5  
 Noise: 0.2

**Peak table for sample 1 : drip c ind1**

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	71.44	332	2,047.96	9,343.1	
3	72.99	351	511.08	2,204.7	
4	74.20	366	659.14	2,726.5	
5	76.50	395	3,043.95	11,685.5	
6	92.90	885	11.63	19.9	
7	94.59	1,026	11.76	17.4	
8	100.63	1,917	168.08	132.8	
9	101.33	2,042	28.65	21.3	
10	102.65	2,440	29.26	18.2	
11	103.35	2,653	23.64	13.5	
12	103.96	2,837	108.97	58.2	
13	107.85	5,576	12.94	3.5	
14	109.16	6,584	13.26	3.1	
15	111.08	8,412	7.33	1.3	
16	113.00	10,380	75.00	10.9	Upper Marker
17	115.81	13,259	0.00	0.0	
18	117.36	14,843	0.00	0.0	

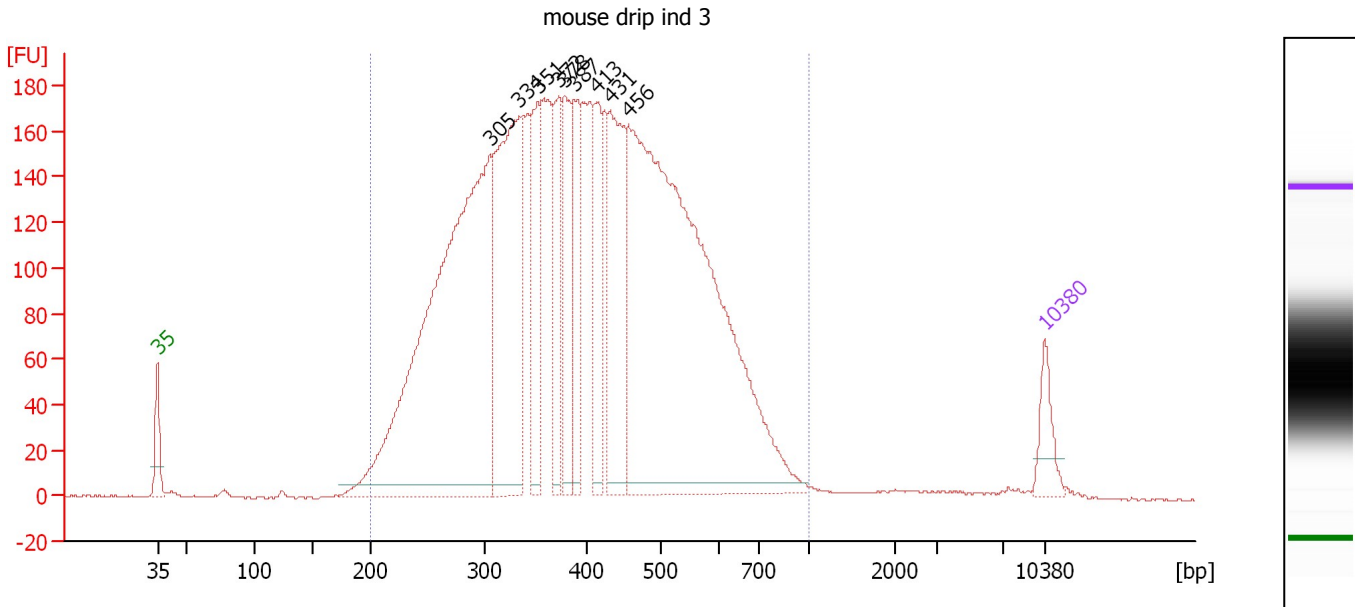
**Region table for sample 1 : drip c ind1**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	804	405	27,365.7	6,732.82	5,829.5	90	24.5	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-11\2014-02-11\_007.xad

Created: 2/11/2014 3:22:36 PM  
 Modified: 2/11/2014 3:58:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : mouse drip ind 3**

Number of peaks found: 9                      Corr. Area 1: 5,194.1  
 Noise: 0.3

**Peak table for sample 2 : mouse drip ind 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	69.21	305	2,149.30	10,693.9	
3	71.55	334	921.67	4,187.2	
4	73.01	351	315.51	1,360.1	
5	74.65	372	270.39	1,102.0	
6	75.12	378	285.36	1,145.1	
7	75.87	387	278.03	1,089.0	
8	77.70	413	247.59	907.5	
9	78.68	431	485.47	1,708.2	
10	80.13	456	2,434.64	8,089.4	
11	113.00	10,380	75.00	10.9	Upper Marker

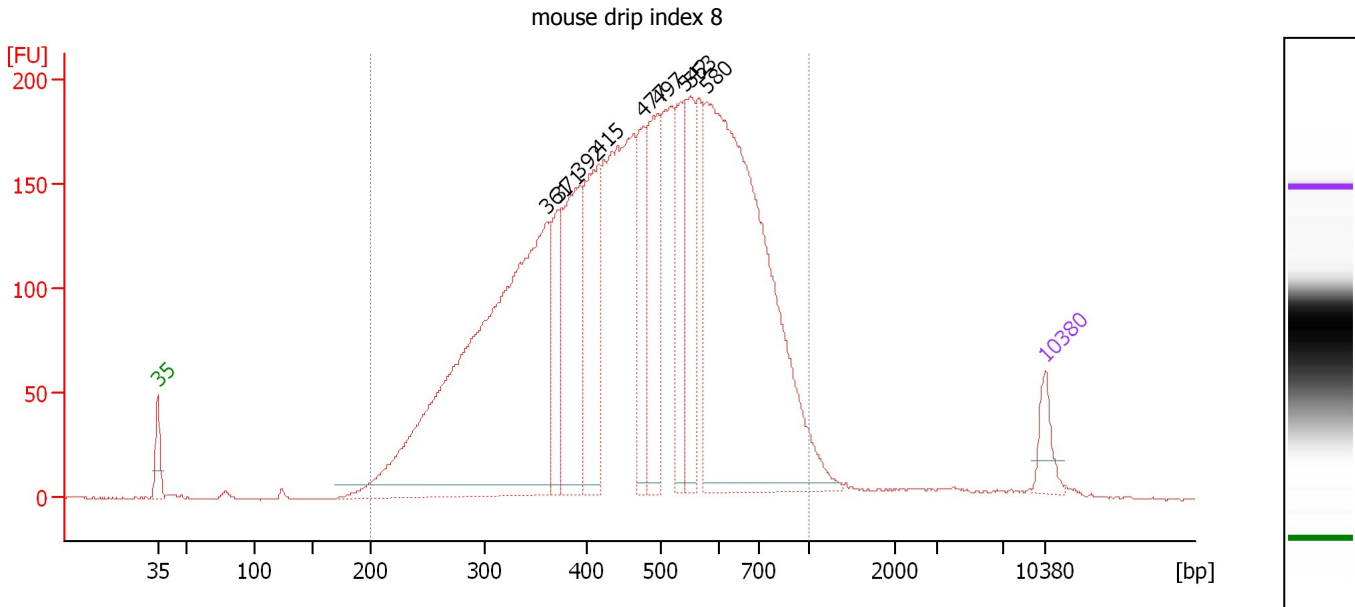
**Region table for sample 2 : mouse drip ind 3**

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	411	35,642.1	8,568.62	5,194.1	98	29.8	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-11\2014-02-11\_007.xad

Created: 2/11/2014 3:22:36 PM  
 Modified: 2/11/2014 3:58:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : mouse drip index 8**

Number of peaks found: 9                      Corr. Area 1: 5,212.0  
 Noise: 0.3

**Peak table for sample 3 : mouse drip index 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	73.74	361	2,470.20	10,381.6	
3	74.59	371	272.22	1,111.6	
4	76.29	392	570.58	2,204.6	
5	77.76	415	526.84	1,925.5	
6	81.32	477	276.09	877.5	
7	82.50	497	465.83	1,419.0	
8	84.58	542	326.54	912.7	
9	85.10	553	306.52	839.3	
10	86.34	580	2,080.05	5,432.5	
11	113.00	10,380	75.00	10.9	Upper Marker

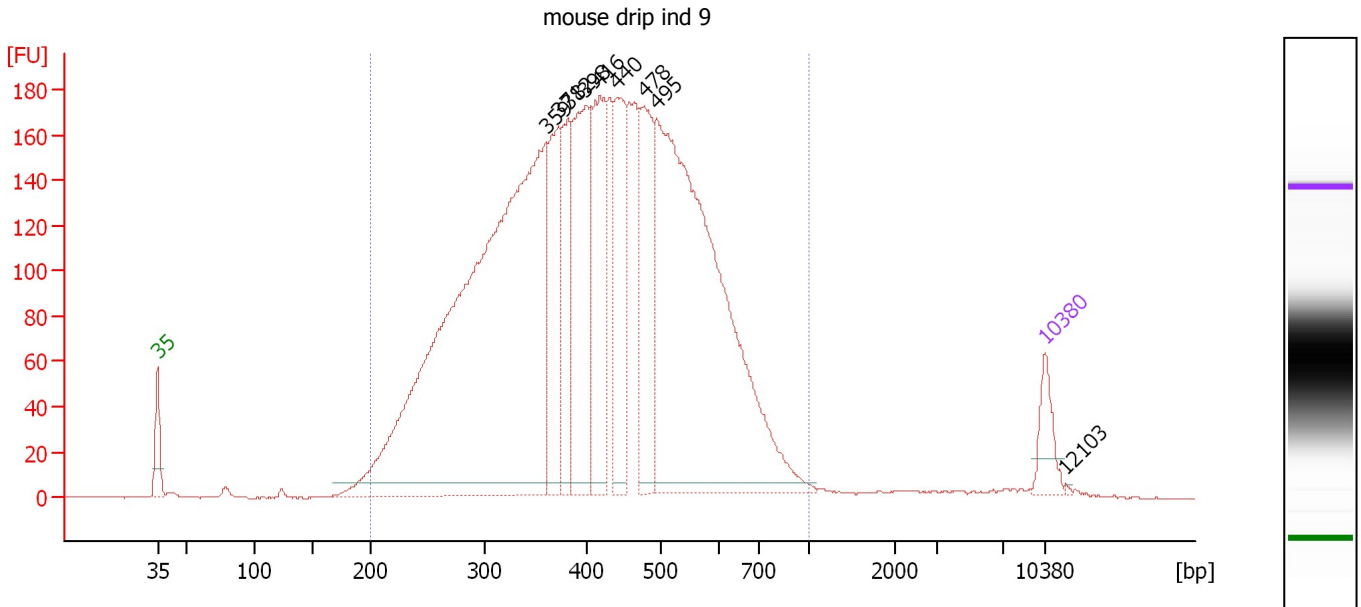
**Region table for sample 3 : mouse drip index 8**

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	485	34,090.8	9,417.57	5,212.0	97	31.5	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-11\2014-02-11\_007.xad

Created: 2/11/2014 3:22:36 PM  
 Modified: 2/11/2014 3:58:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : mouse drip ind 9**

Number of peaks found: 9                      Corr. Area 1: 4,879.8  
 Noise: 0.3

**Peak table for sample 4 : mouse drip ind 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	73.63	359	2,849.37	12,021.6	
3	74.59	371	382.69	1,562.8	
4	75.45	382	279.34	1,108.8	
5	76.75	398	572.42	2,180.5	
6	77.86	416	437.53	1,592.9	
7	79.20	440	379.84	1,308.8	
8	81.37	478	389.90	1,237.0	
9	82.38	495	1,946.92	5,956.7	
10	113.00	10,380	75.00	10.9	Upper Marker
11	114.68	12,103	0.00	0.0	

**Region table for sample 4 : mouse drip ind 9**

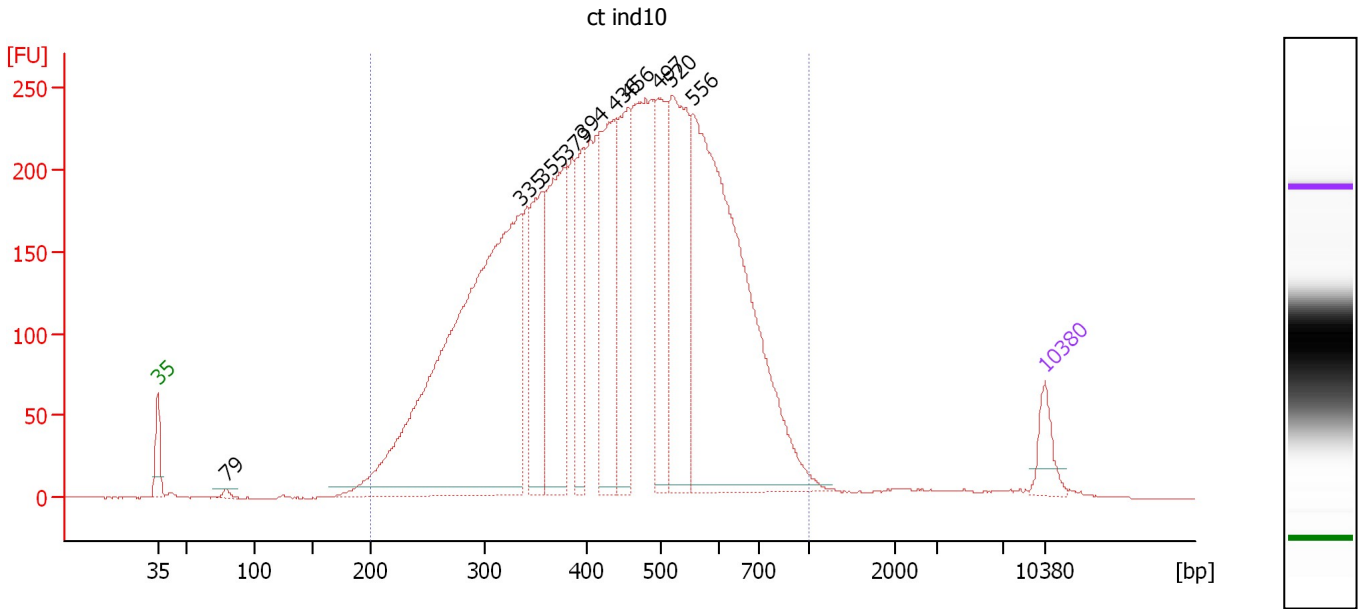
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	426	32,696.3	8,157.73	4,879.8	97	28.9	Blue



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-11\2014-02-11\_007.xad

Created: 2/11/2014 3:22:36 PM  
 Modified: 2/11/2014 3:58:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : ct ind10**

Number of peaks found: 10      Corr. Area 1: 6,806.2  
 Noise: 0.4

**Peak table for sample 5 : ct ind10**

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	48.38	79	16.25	312.4	
3	71.67	335	2,407.53	10,890.7	
4	73.32	355	426.69	1,819.4	
5	75.21	379	665.38	2,661.9	
6	76.47	394	318.12	1,222.3	
7	78.99	436	542.91	1,886.3	
8	80.16	456	453.45	1,505.2	
9	82.49	497	414.85	1,264.2	
10	83.55	520	698.36	2,036.0	
11	85.20	556	1,783.36	4,863.9	
12	113.00	10,380	75.00	10.9	Upper Marker

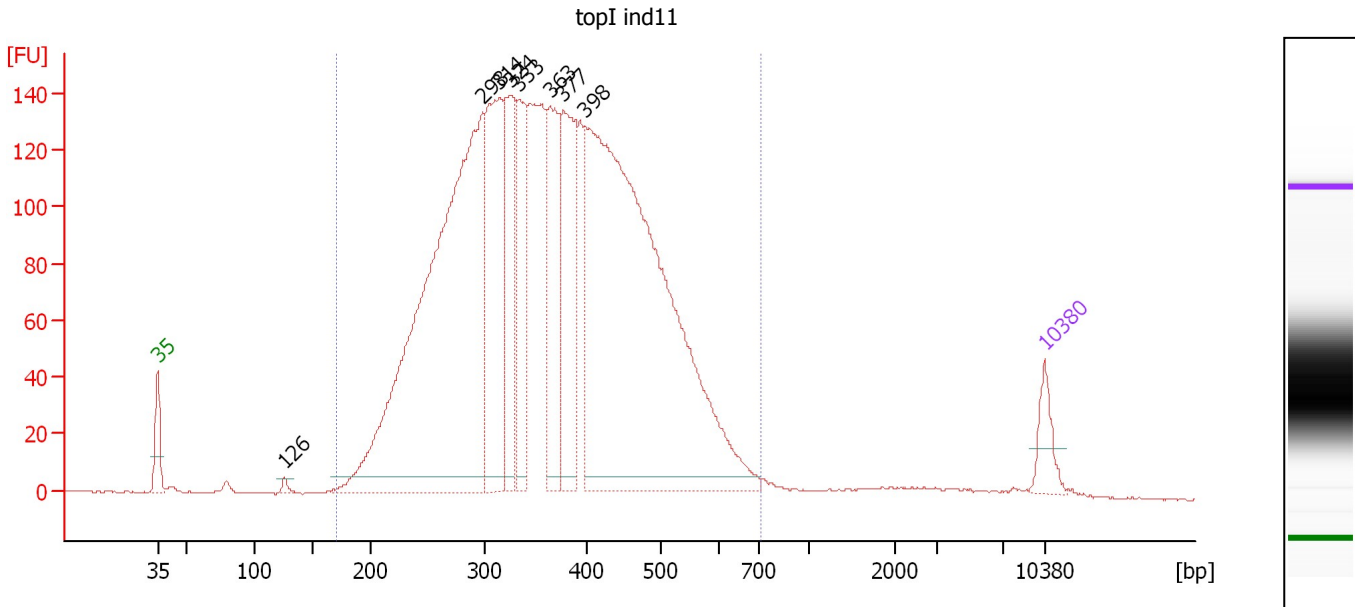
**Region table for sample 5 : ct ind10**

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	451	37,138.7	9,687.20	6,806.2	98	30.1	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-11\2014-02-11\_007.xad

Created: 2/11/2014 3:22:36 PM  
 Modified: 2/11/2014 3:58:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : topI ind11**

Number of peaks found: 8                      Corr. Area 1: 3,771.4  
 Noise: 0.3

**Peak table for sample 6 : topI ind11**

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	53.03	126	18.19	219.4	
3	68.65	298	2,526.47	12,850.0	
4	69.97	314	696.63	3,362.4	
5	70.80	324	436.02	2,038.1	
6	71.48	333	333.45	1,519.2	
7	73.96	363	465.84	1,943.0	
8	75.03	377	521.17	2,097.3	
9	76.73	398	2,661.96	10,144.8	
10	113.00	10,380	75.00	10.9	Upper Marker

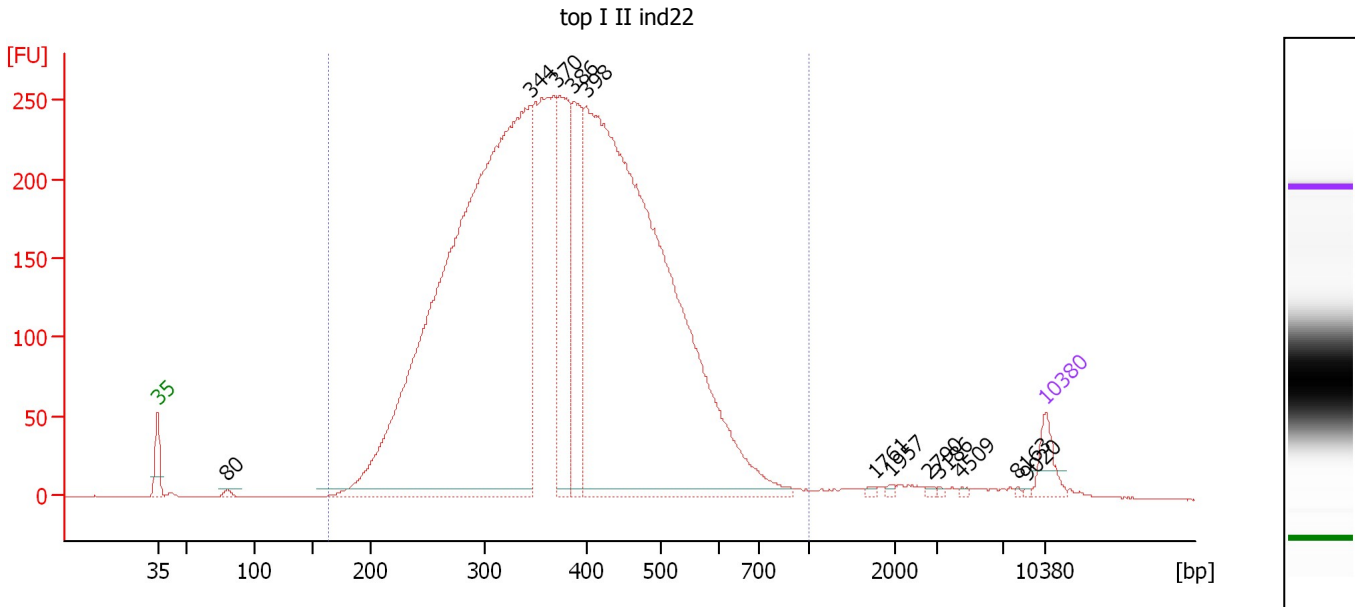
**Region table for sample 6 : topI ind11**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
171	709	371	39,483.7	8,783.08	3,771.4	98	25.9	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-11\2014-02-11\_007.xad

Created: 2/11/2014 3:22:36 PM  
 Modified: 2/11/2014 3:58:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : top I II ind22**

Number of peaks found: 12                      Corr. Area 1: 6,555.0  
 Noise: 0.2

**Peak table for sample 7 : top I II ind22**

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	48.51	80	19.76	374.3	
3	72.42	344	4,952.60	21,802.1	
4	74.48	370	755.36	3,095.4	
5	75.76	386	517.32	2,033.0	
6	76.79	398	4,326.91	16,459.0	
7	99.57	1,761	8.24	7.1	
8	100.90	1,957	7.13	5.5	
9	103.80	2,790	6.33	3.4	
10	104.74	3,186	4.56	2.2	
11	106.46	4,509	5.77	1.9	
12	110.84	8,163	3.72	0.7	
13	111.67	9,020	3.67	0.6	
14	113.00	10,380	75.00	10.9	Upper Marker

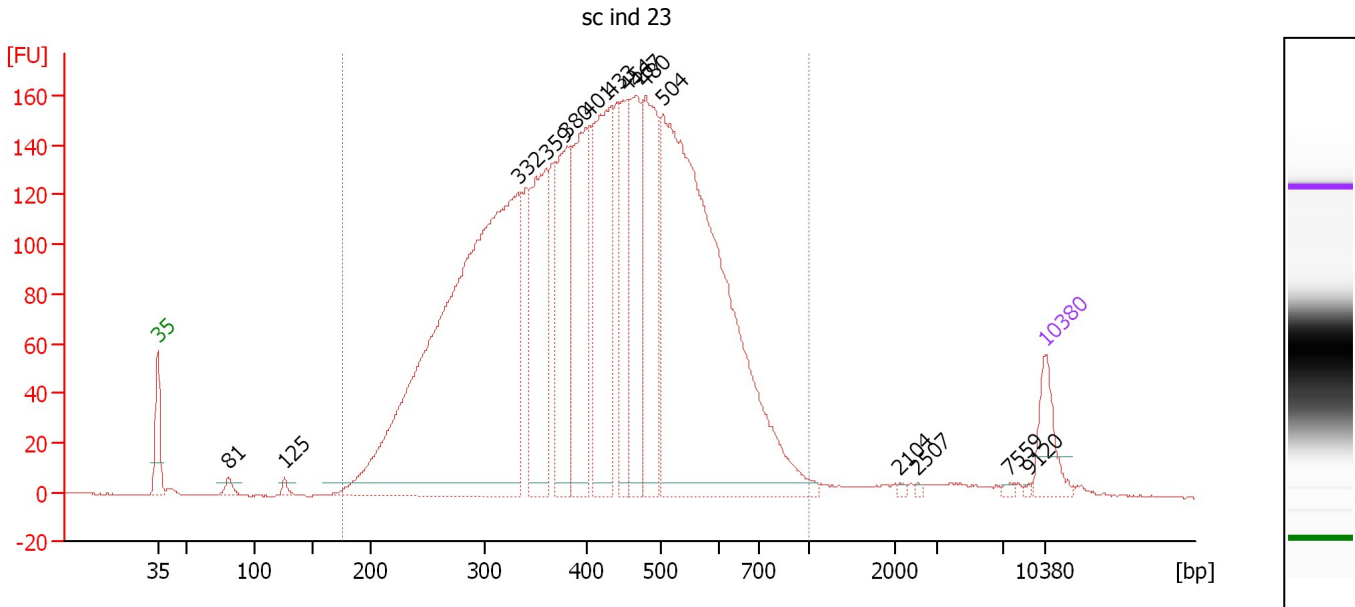
**Region table for sample 7 : top I II ind22**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
163	1,000	385	53,141.8	12,201.27	6,555.0	98	27.0	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-11\2014-02-11\_007.xad

Created: 2/11/2014 3:22:36 PM  
 Modified: 2/11/2014 3:58:43 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : sc ind 23**

Number of peaks found: 15                      Corr. Area 1: 4,441.7  
 Noise: 0.2

**Peak table for sample 8 : sc ind 23**

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	48.61	81	22.81	427.3	
3	52.99	125	15.71	190.2	
4	71.43	332	2,035.69	9,289.7	
5	73.65	359	400.71	1,689.4	
6	75.32	380	343.25	1,368.4	
7	76.99	401	399.97	1,511.0	
8	78.81	433	484.90	1,697.2	
9	80.04	454	218.01	726.9	
10	80.78	467	289.66	939.1	
11	81.52	480	394.72	1,245.4	
12	82.85	504	1,607.30	4,829.2	
13	101.54	2,104	4.26	3.1	
14	102.87	2,507	3.38	2.0	
15	110.25	7,559	5.33	1.1	
16	111.77	9,120	2.83	0.5	
17	113.00	10,380	75.00	10.9	Upper Marker

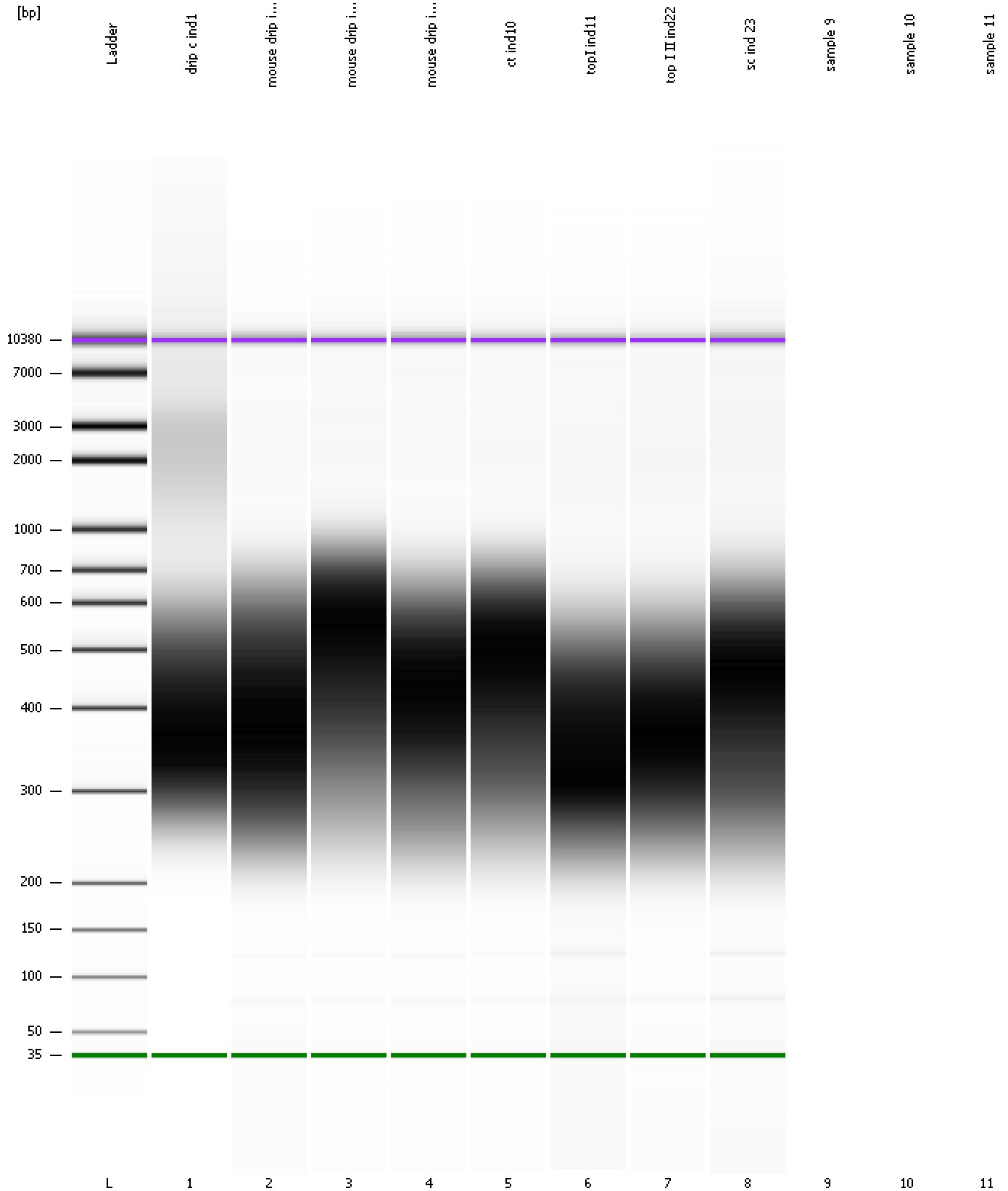
**Region table for sample 8 : sc ind 23**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
176	1,000	427	27,736.7	6,859.69	4,441.7	97	29.8	Blue

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-11\2014-02-11\_007.xad

Created: 2/11/2014 3:22:36 PM  
Modified: 2/11/2014 3:58:43 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-11\2014-02-11\_007.xad

Created: 2/11/2014 3:22:36 PM  
Modified: 2/11/2014 3:58:43 PM

**Invalid Samples**

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.