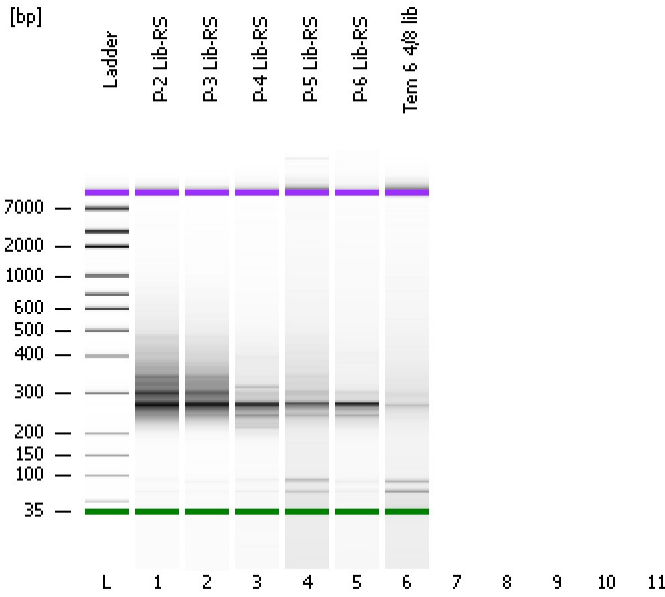


Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE13701086\_2014-04-25\_09-50-57.xad

Created: 4/25/2014 9:50:57 AM  
 Modified: 4/25/2014 10:28:01 AM

**Electrophoresis File Run Summary**



Instrument Information:

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

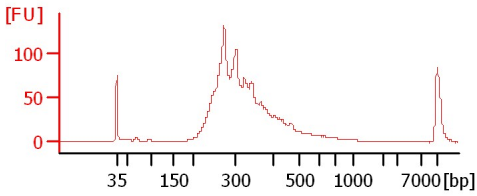
Assay Information:

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

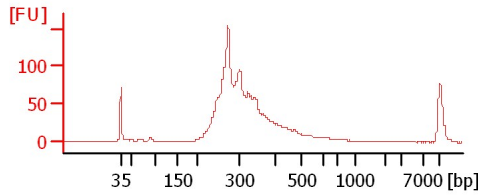
Chip Information:

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

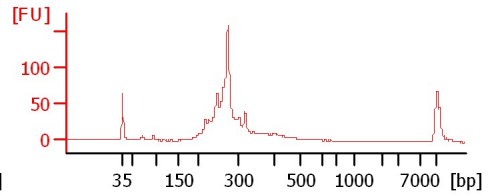
**P-2 Lib-RS**



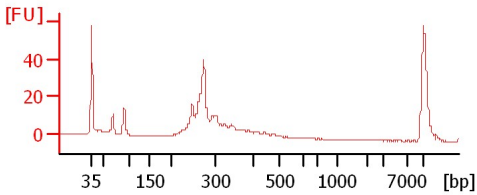
**P-3 Lib-RS**



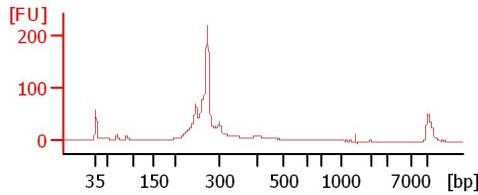
**P-4 Lib-RS**



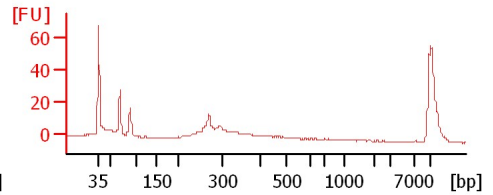
**P-5 Lib-RS**



**P-6 Lib-RS**



**Tem 6 4/8 lib**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE13701086\_2014-04-25\_09-50-57.xad

Created: 4/25/2014 9:50:57 AM  
 Modified: 4/25/2014 10:28:01 AM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
P-2 Lib-RS		<input type="checkbox"/>	✓			
P-3 Lib-RS		<input type="checkbox"/>	✓			
P-4 Lib-RS		<input type="checkbox"/>	✓			
P-5 Lib-RS		<input type="checkbox"/>	✓			
P-6 Lib-RS		<input type="checkbox"/>	✓			
Tem 6 4/8 lib		<input type="checkbox"/>	✓			
		<input type="checkbox"/>				
		<input type="checkbox"/>				
		<input type="checkbox"/>				
		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #** **Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...gh Sensitivity DNA Assay\_DE13701086\_2014-04-25\_09-50-57.xad

Created: 4/25/2014 9:50:57 AM  
Modified: 4/25/2014 10:28:01 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

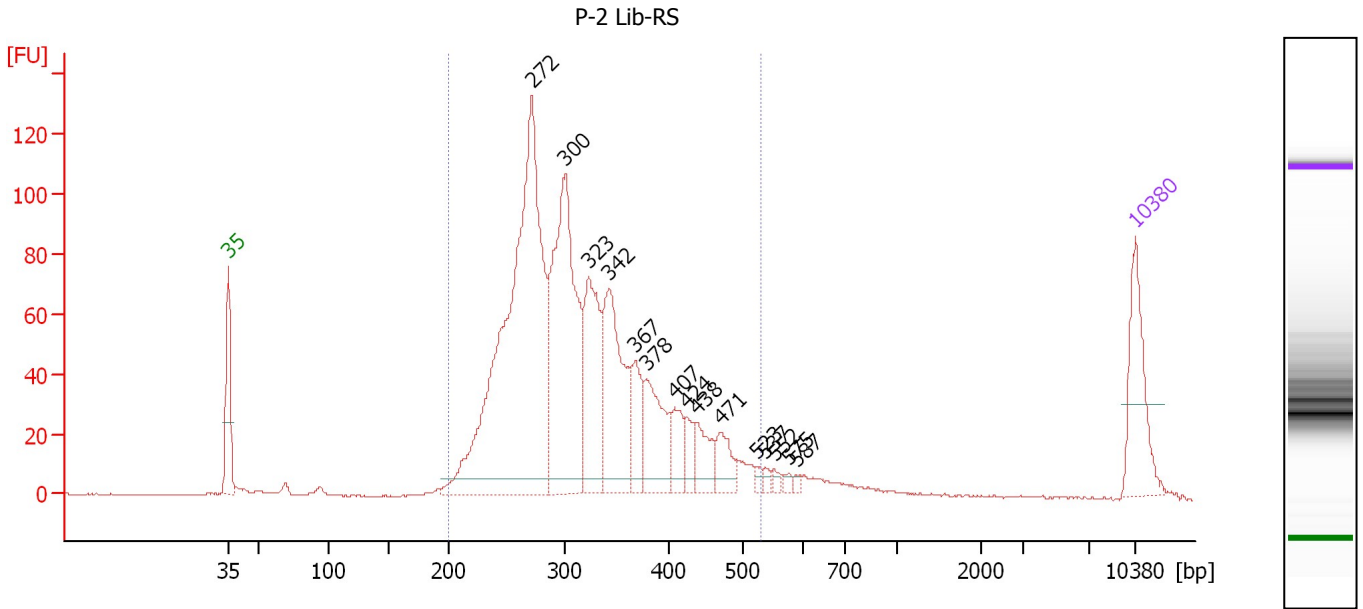
**Ladder**

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:\...gh Sensitivity DNA Assay\_DE13701086\_2014-04-25\_09-50-57.xad

Created: 4/25/2014 9:50:57 AM  
 Modified: 4/25/2014 10:28:01 AM

**Electropherogram Summary**



**Overall Results for sample 1 : P-2 Lib-RS**

Number of peaks found: 15      Corr. Area 1: 1,671.0  
 Noise: 0.2

**Peak table for sample 1 : P-2 Lib-RS**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	272	793.10	4,421.2	
3	300	402.15	2,028.1	
4	323	164.67	772.5	
5	342	194.69	862.8	
6	367	63.43	261.5	
7	378	102.77	412.3	
8	407	38.24	142.4	
9	424	26.95	96.4	
10	438	41.96	145.0	
11	471	39.01	125.6	
12	523	6.17	17.9	
13	537	5.69	16.0	
14	552	6.18	17.0	
15	575	5.26	13.9	
16	587	3.69	9.5	
17	10,380	75.00	10.9	Upper Marker

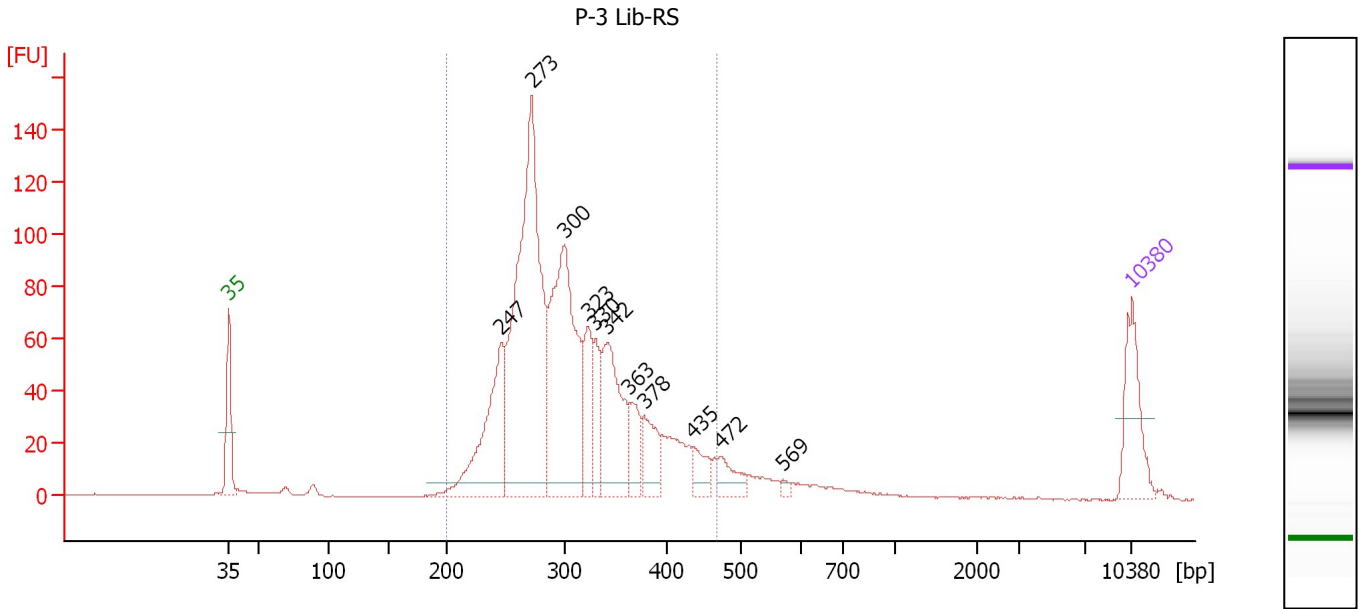
**Region table for sample 1 : P-2 Lib-RS**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	531	319	9,784.2	1,955.12	1,671.0	93	20.8	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE13701086\_2014-04-25\_09-50-57.xad

Created: 4/25/2014 9:50:57 AM  
 Modified: 4/25/2014 10:28:01 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : P-3 Lib-RS**

Number of peaks found: 11      Corr. Area 1: 1,508.1  
 Noise: 0.2

**Peak table for sample 2 : P-3 Lib-RS**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	247	240.28	1,476.5	
3	273	668.52	3,716.2	
4	300	419.78	2,120.6	
5	323	92.34	433.1	
6	330	66.51	305.1	
7	342	180.69	800.4	
8	363	55.68	232.3	
9	378	67.23	269.8	
10	435	37.15	129.5	
11	472	38.20	122.5	
12	569	5.74	15.3	
13	10,380	75.00	10.9	Upper Marker

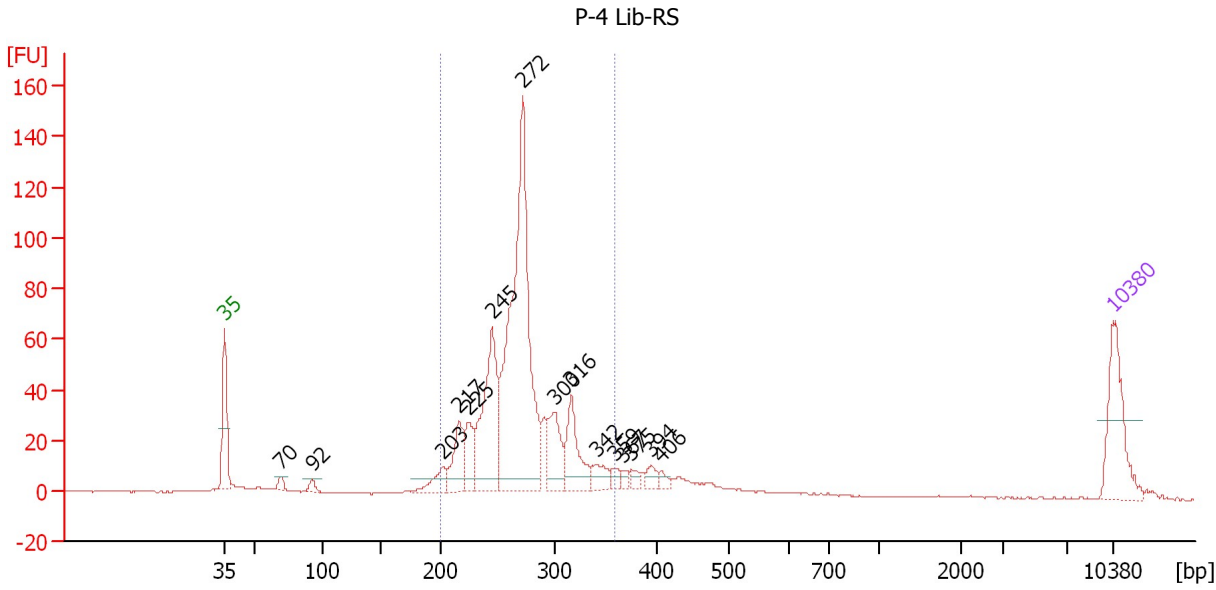
**Region table for sample 2 : P-3 Lib-RS**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	468	307	9,957.1	1,945.06	1,508.1	91	17.6	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE13701086\_2014-04-25\_09-50-57.xad

Created: 4/25/2014 9:50:57 AM  
 Modified: 4/25/2014 10:28:01 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : P-4 Lib-RS**

Number of peaks found: 15      Corr. Area 1: 804.7  
 Noise: 0.2

**Peak table for sample 3 : P-4 Lib-RS**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	70	10.63	230.9	
3	92	11.40	187.4	
4	203	32.20	240.1	
5	217	65.34	456.9	
6	225	51.37	345.9	
7	245	190.67	1,177.2	
8	272	532.62	2,963.8	
9	300	70.20	355.0	
10	316	80.48	385.5	
11	342	24.19	107.2	
12	359	10.31	43.5	
13	367	7.63	31.5	
14	375	9.94	40.1	
15	394	13.26	51.0	
16	406	7.51	28.0	
17	10,380	75.00	10.9	Upper Marker

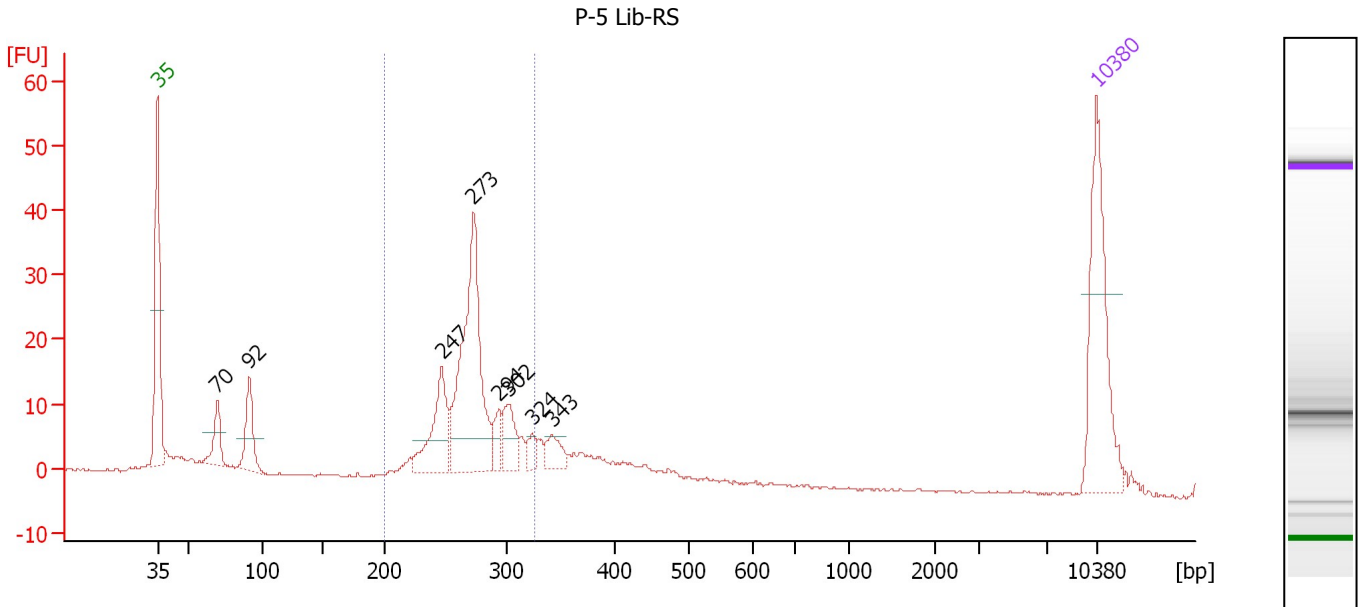
**Region table for sample 3 : P-4 Lib-RS**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	359	270	6,379.5	1,123.16	804.7	81	11.9	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE13701086\_2014-04-25\_09-50-57.xad

Created: 4/25/2014 9:50:57 AM  
 Modified: 4/25/2014 10:28:01 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : P-5 Lib-RS**

Number of peaks found: 8                      Corr. Area 1: 193.9  
 Noise: 0.2

**Peak table for sample 4 : P-5 Lib-RS**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	70	26.13	568.1	
3	92	40.58	670.9	
4	247	59.17	363.0	
5	273	162.61	902.6	
6	294	14.85	76.5	
7	302	26.35	132.0	
8	324	9.58	44.8	
9	343	15.42	68.2	
10	10,380	75.00	10.9	Upper Marker

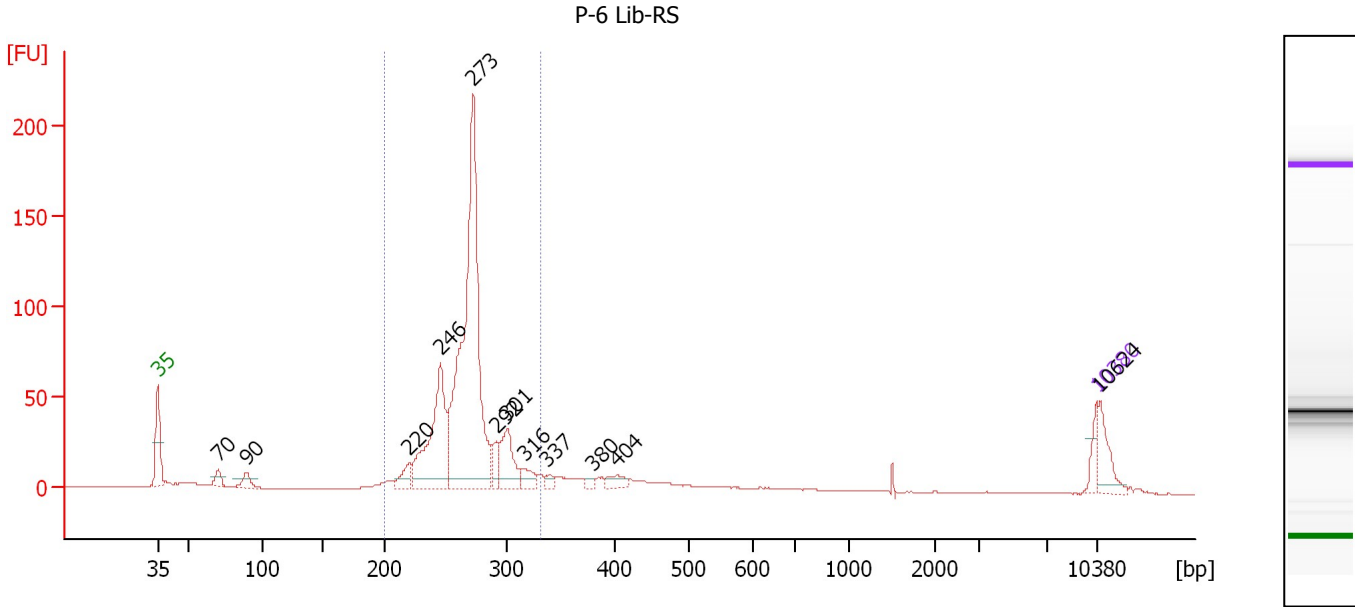
**Region table for sample 4 : P-5 Lib-RS**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	326	271	1,851.5	329.70	193.9	54	9.1	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE13701086\_2014-04-25\_09-50-57.xad

Created: 4/25/2014 9:50:57 AM  
 Modified: 4/25/2014 10:28:01 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : P-6 Lib-RS**

Number of peaks found: 12      Corr. Area 1: 724.3  
 Noise: 0.2

**Peak table for sample 5 : P-6 Lib-RS**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	70	67.16	1,448.0	
3	90	81.97	1,384.0	
4	220	108.85	748.9	
5	246	863.56	5,318.0	
6	273	2,473.05	13,734.5	
7	292	118.73	616.2	
8	301	283.86	1,428.1	
9	316	88.20	422.5	
10	337	37.51	168.5	
11	380	24.61	98.0	
12	404	67.80	254.0	
13	10,380	75.00	10.9	Upper Marker
14	10,624	0.00	0.0	

**Region table for sample 5 : P-6 Lib-RS**

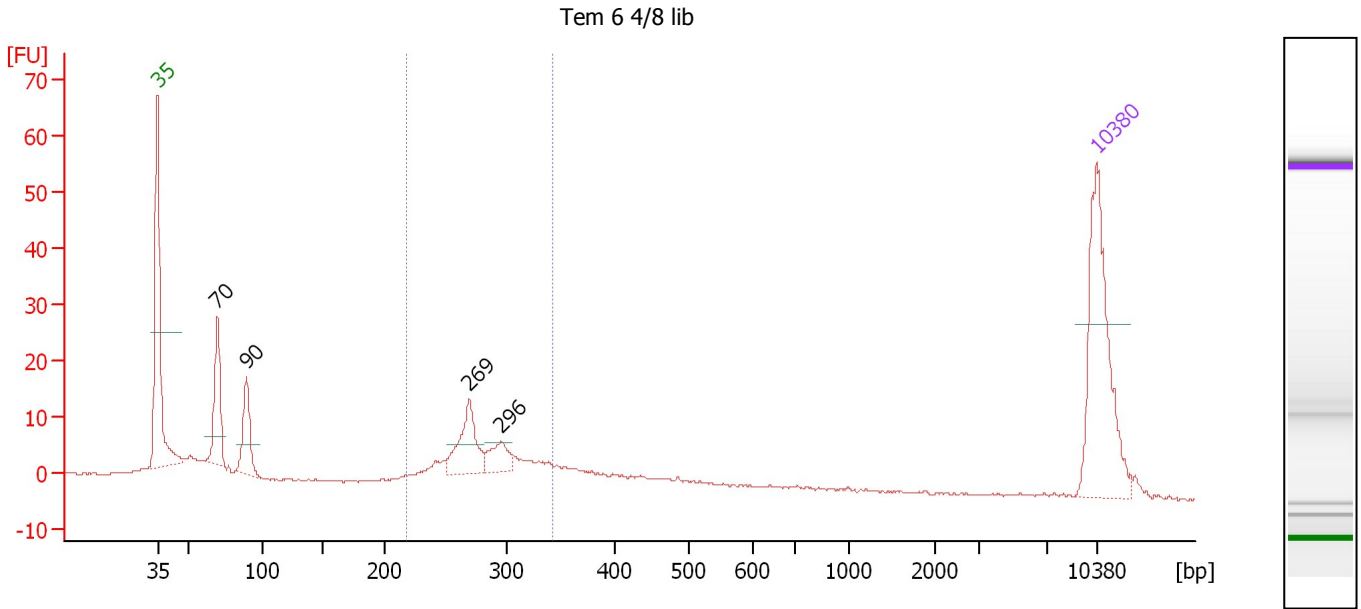
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	332	267	23,330.7	4,094.37	724.3	78	8.4	Blue



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE13701086\_2014-04-25\_09-50-57.xad

Created: 4/25/2014 9:50:57 AM  
 Modified: 4/25/2014 10:28:01 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : Tem 6 4/8 lib**

Number of peaks found: 4                      Corr. Area 1: 83.4  
 Noise: 0.2

**Peak table for sample 6 : Tem 6 4/8 lib**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	70	50.93	1,104.7	
3	90	37.86	640.8	
4	269	39.14	220.1	
5	296	17.66	90.4	
6	10,380	75.00	10.9	Upper Marker

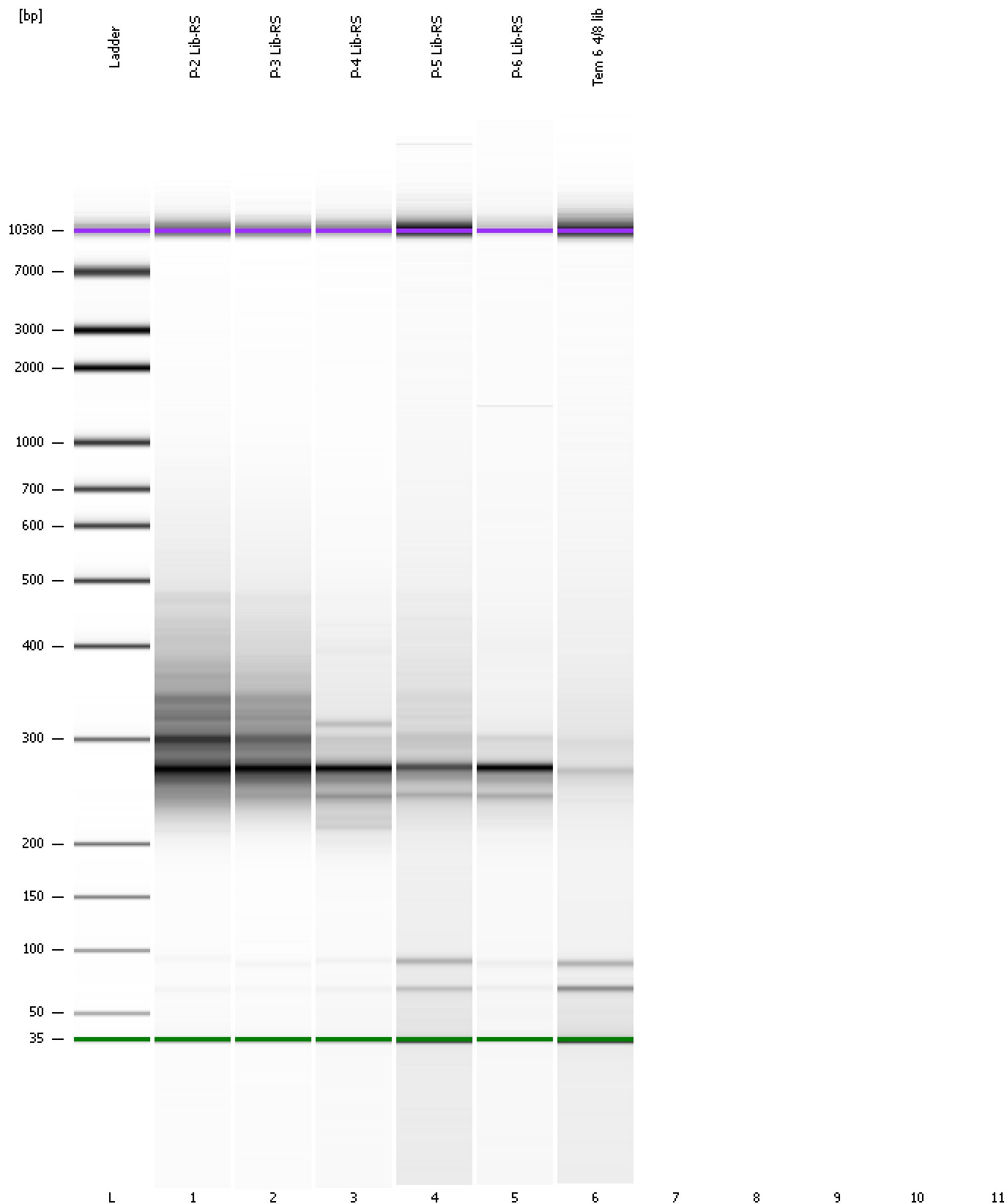
**Region table for sample 6 : Tem 6 4/8 lib**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
218	343	282	613.1	113.13	83.4	42	10.1	Blue

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...gh Sensitivity DNA Assay\_DE13701086\_2014-04-25\_09-50-57.xad

Created: 4/25/2014 9:50:57 AM  
Modified: 4/25/2014 10:28:01 AM

Gel Image

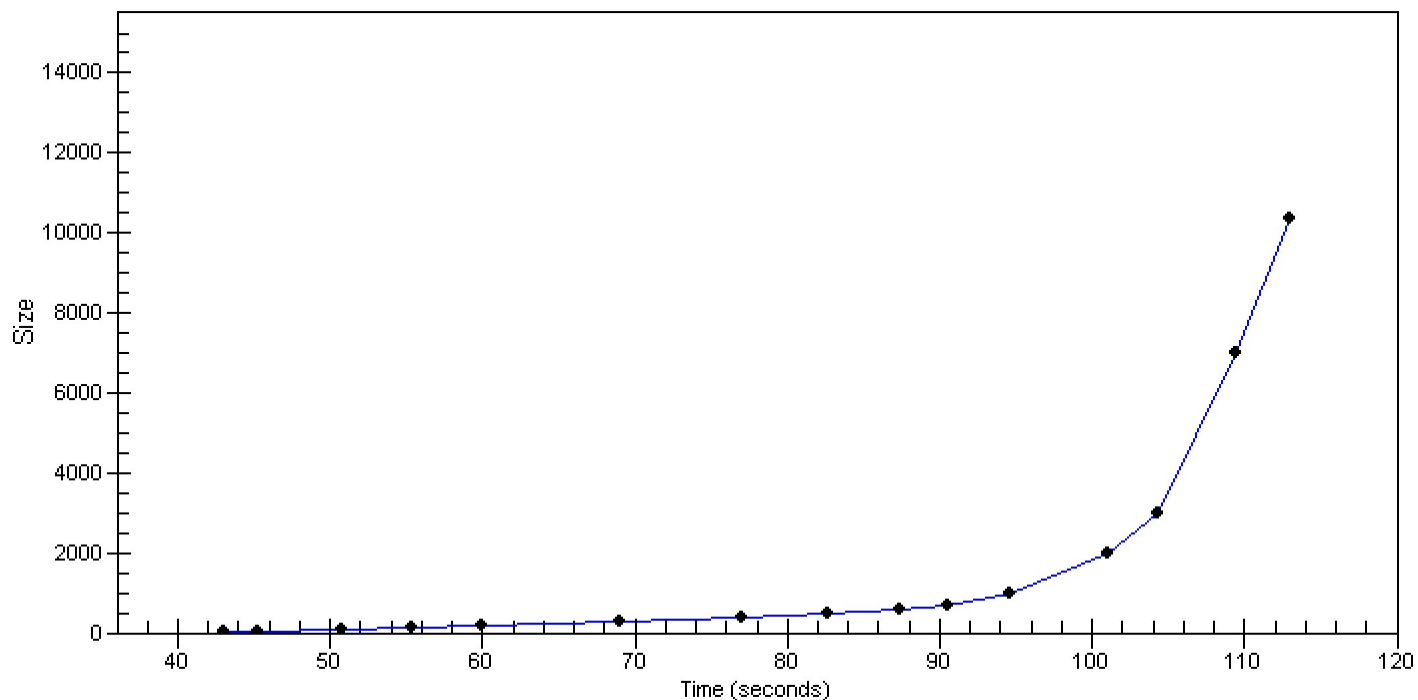


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...gh Sensitivity DNA Assay\_DE13701086\_2014-04-25\_09-50-57.xad

Created: 4/25/2014 9:50:57 AM  
Modified: 4/25/2014 10:28:01 AM

**Curves**

**Standard Curve**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...gh Sensitivity DNA Assay\_DE13701086\_2014-04-25\_09-50-57.xad

Created: 4/25/2014 9:50:57 AM  
Modified: 4/25/2014 10:28:01 AM

**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.