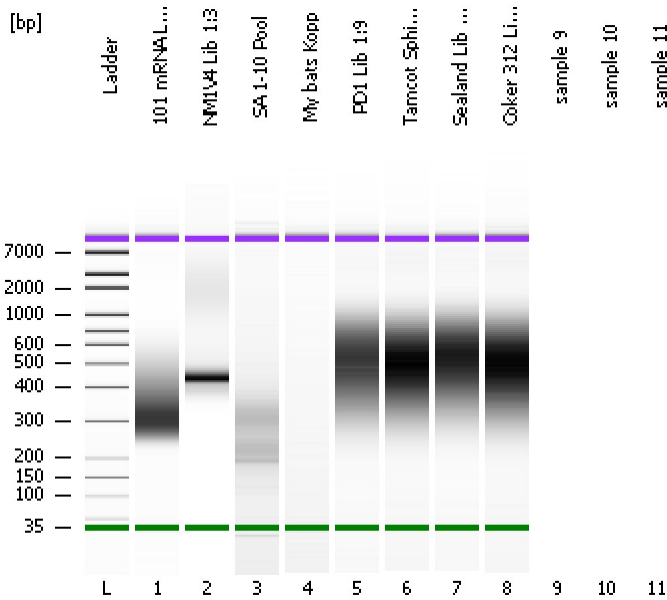


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-01\2013-04-01_002.xad

Created: 4/1/2013 11:35:54 AM
Modified: 4/1/2013 12:13:49 PM

Electrophoresis File Run Summary



Instrument Information:

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

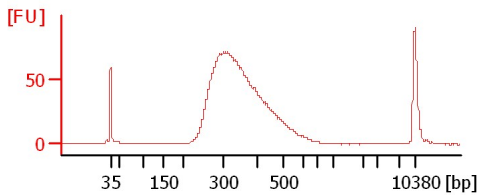
Assay Information:

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

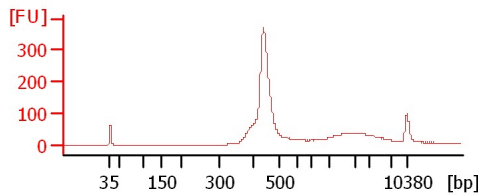
Chip Information:

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

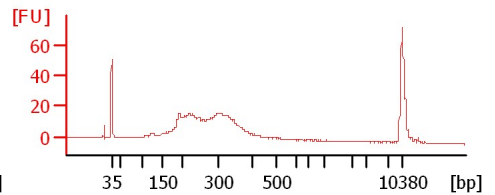
101 mRNA Lib 1:2



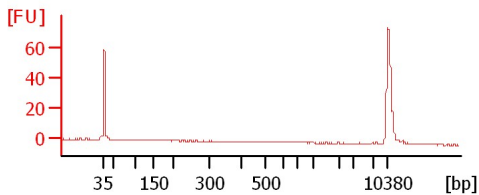
NM1V4 Lib 1:3



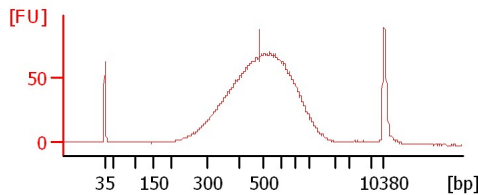
SA 1-10 Pool



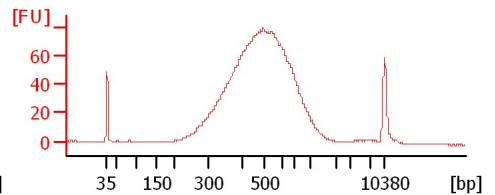
My bats Kopp



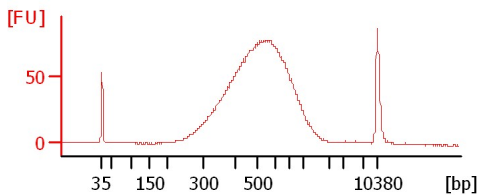
PD1 Lib 1:9



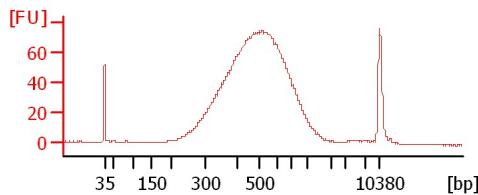
Tamcot Sphinx Lib 1:4



Sealand Lib 1:6



Coker 312 Lib 1:6



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-01\2013-04-01_002.xad

Created: 4/1/2013 11:35:54 AM
Modified: 4/1/2013 12:13:49 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
101 mRNA Lib 1:2		<input type="checkbox"/>	✓			
NM1V4 Lib 1:3		<input type="checkbox"/>	✓			
SA 1-10 Pool		<input type="checkbox"/>	✓			
My bats Kopp		<input type="checkbox"/>	✓			
PD1 Lib 1:9		<input type="checkbox"/>	✓			
Tamcot Sphinx Lib 1:4		<input type="checkbox"/>	✓			
Sealand Lib 1:6		<input type="checkbox"/>	✓			
Coker 312 Lib 1:6		<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\2013-04-01\2013-04-01_002.xad

Created: 4/1/2013 11:35:54 AM
Modified: 4/1/2013 12:13:49 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

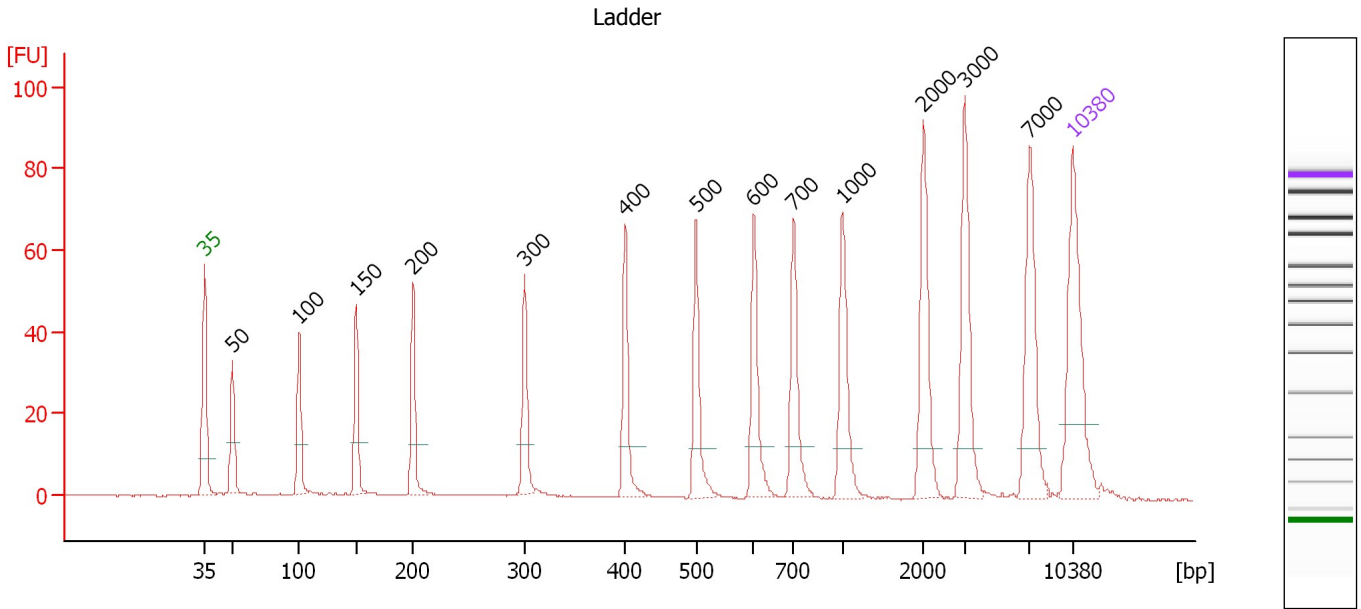
Ladder

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\2013-04-01\2013-04-01_002.xad

Created: 4/1/2013 11:35:54 AM
 Modified: 4/1/2013 12:13:49 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

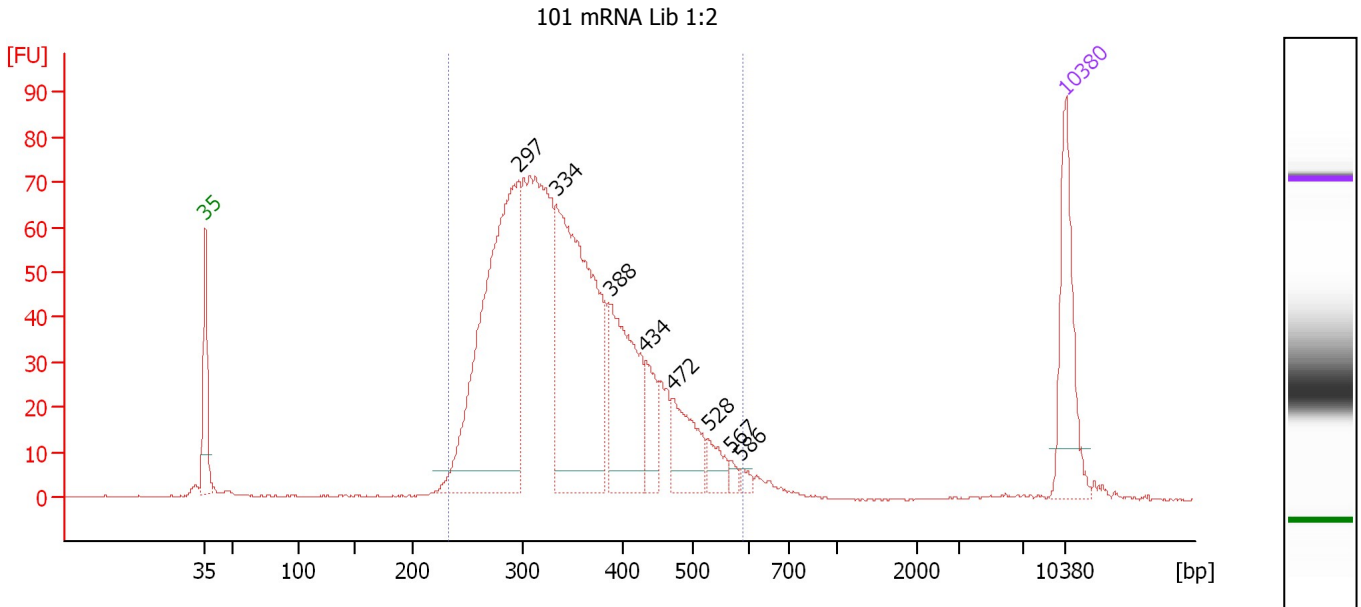
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	Ladder Peak
9	600	150.00	378.8	Ladder Peak
10	700	150.00	324.7	Ladder Peak
11	1,000	150.00	227.3	Ladder Peak
12	2,000	150.00	113.6	Ladder Peak
13	3,000	150.00	75.8	Ladder Peak
14	7,000	150.00	32.5	Ladder Peak
15	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-01\2013-04-01_002.xad

Created: 4/1/2013 11:35:54 AM
 Modified: 4/1/2013 12:13:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 101 mRNA Lib 1:2

Number of peaks found: 8 Corr. Area 1: 1,346.8
 Noise: 0.1

Peak table for sample 1 : 101 mRNA Lib 1:2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	297	468.74	2,392.3	
3	334	382.55	1,733.0	
4	388	154.71	604.4	
5	434	46.21	161.5	
6	472	65.00	208.5	
7	528	22.60	64.9	
8	567	6.39	17.1	
9	586	5.85	15.1	
10	10,380	75.00	10.9	Upper Marker

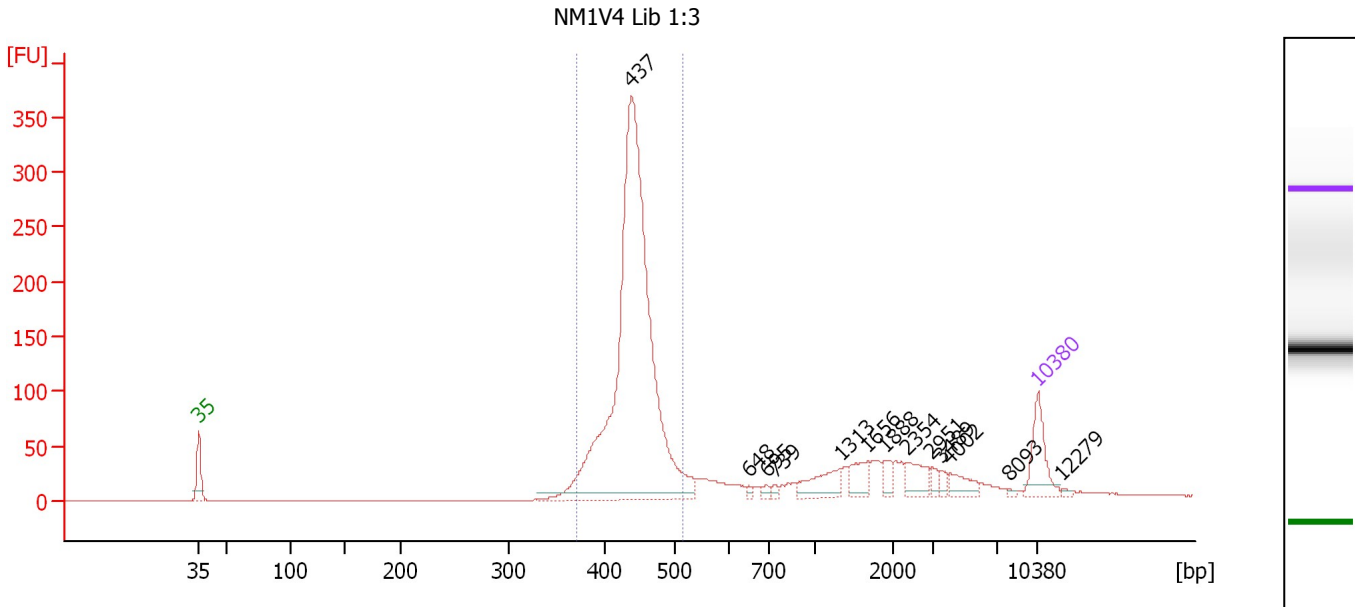
Region table for sample 1 : 101 mRNA Lib 1:2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
234	588	352	7,216.0	1,585.96	1,346.8	94	20.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-01\2013-04-01_002.xad

Created: 4/1/2013 11:35:54 AM
 Modified: 4/1/2013 12:13:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : NM1V4 Lib 1:3

Number of peaks found: 13 Corr. Area 1: 1,433.4
 Noise: 0.2

Peak table for sample 2 : NM1V4 Lib 1:3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	437	1,530.48	5,300.8	
3	648	7.20	16.8	
4	695	11.11	24.2	
5	739	7.66	15.7	
6	1,313	66.47	76.7	
7	1,656	44.37	40.6	
8	1,888	22.25	17.9	
9	2,354	45.84	29.5	
10	2,951	13.60	7.0	
11	3,489	11.47	5.0	
12	4,002	33.21	12.6	
13	8,093	3.51	0.7	
14	10,380	75.00	10.9	Upper Marker
15	12,279	0.00	0.0	

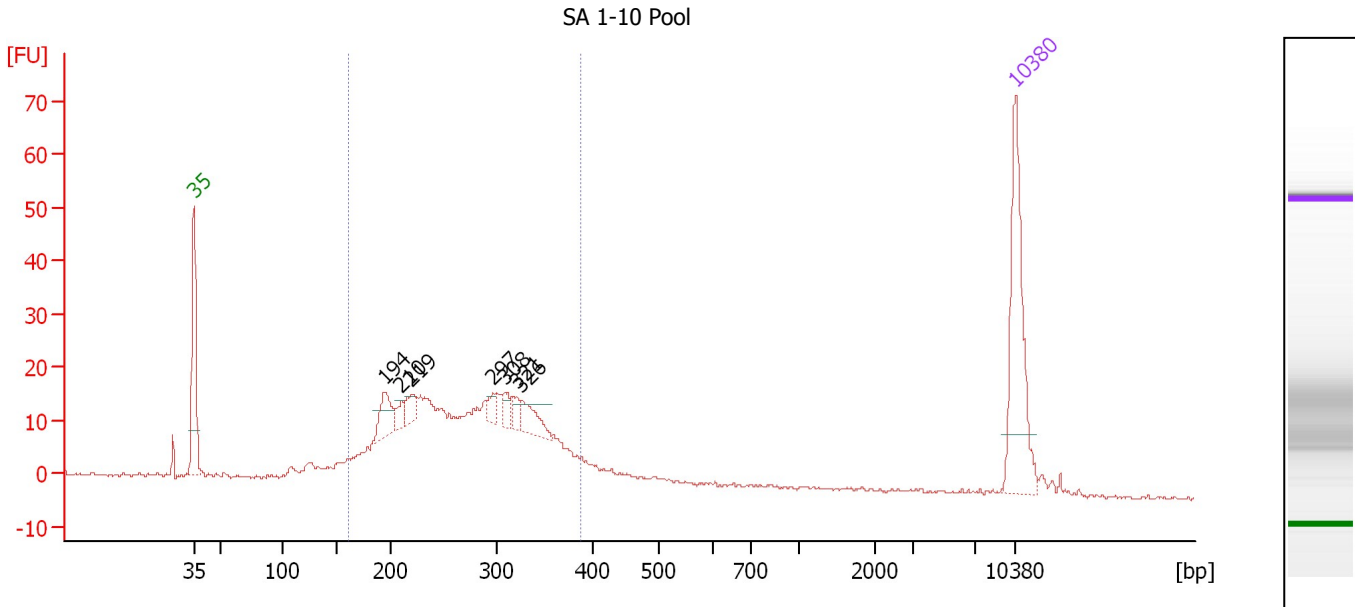
Region table for sample 2 : NM1V4 Lib 1:3

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
371	516	440	5,059.9	1,465.01	1,433.4	70	6.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-01\2013-04-01_002.xad

Created: 4/1/2013 11:35:54 AM
 Modified: 4/1/2013 12:13:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : SA 1-10 Pool

Number of peaks found: 7 Corr. Area 1: 394.8
 Noise: 0.4

Peak table for sample 3 : SA 1-10 Pool

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	194	30.22	236.0	
3	210	9.39	67.9	
4	219	14.86	103.0	
5	297	9.53	48.6	
6	308	10.67	52.4	
7	321	9.52	45.0	
8	326	21.56	100.3	
9	10,380	75.00	10.9	Upper Marker

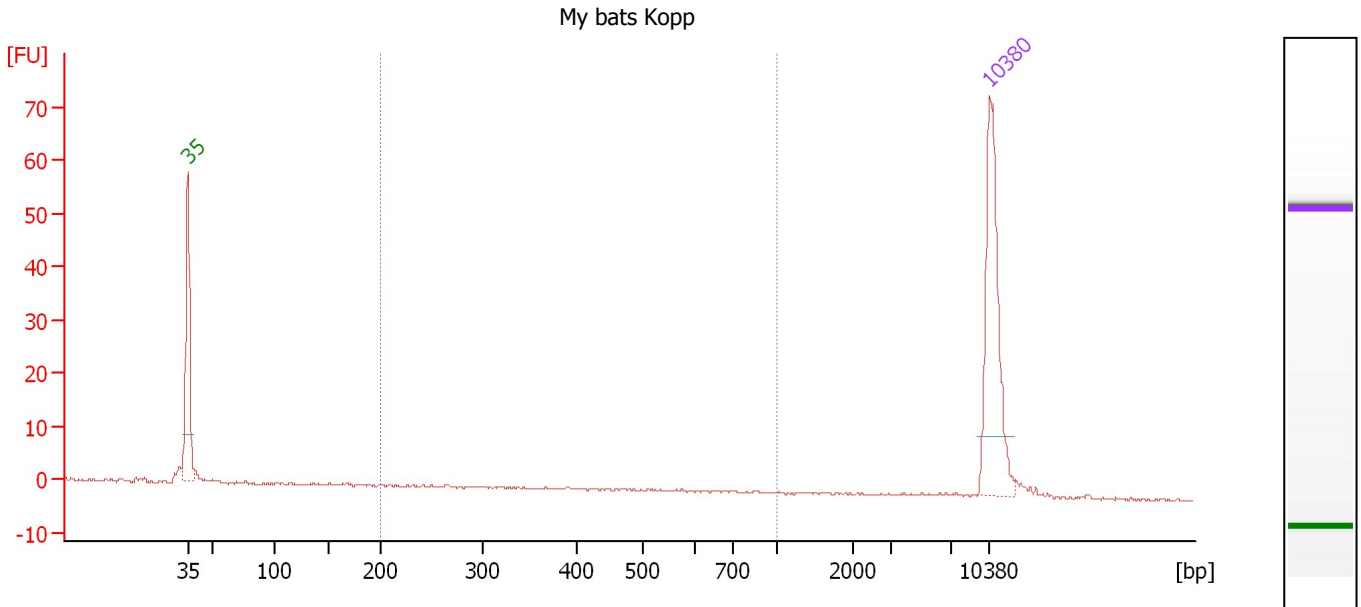
Region table for sample 3 : SA 1-10 Pool

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
160	389	271	3,690.2	619.42	394.8	81	21.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-01\2013-04-01_002.xad

Created: 4/1/2013 11:35:54 AM
 Modified: 4/1/2013 12:13:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : My bats Kopp

Number of peaks found: 0 Corr. Area 1: 3.2
 Noise: 0.2

Peak table for sample 4 : My bats Kopp

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

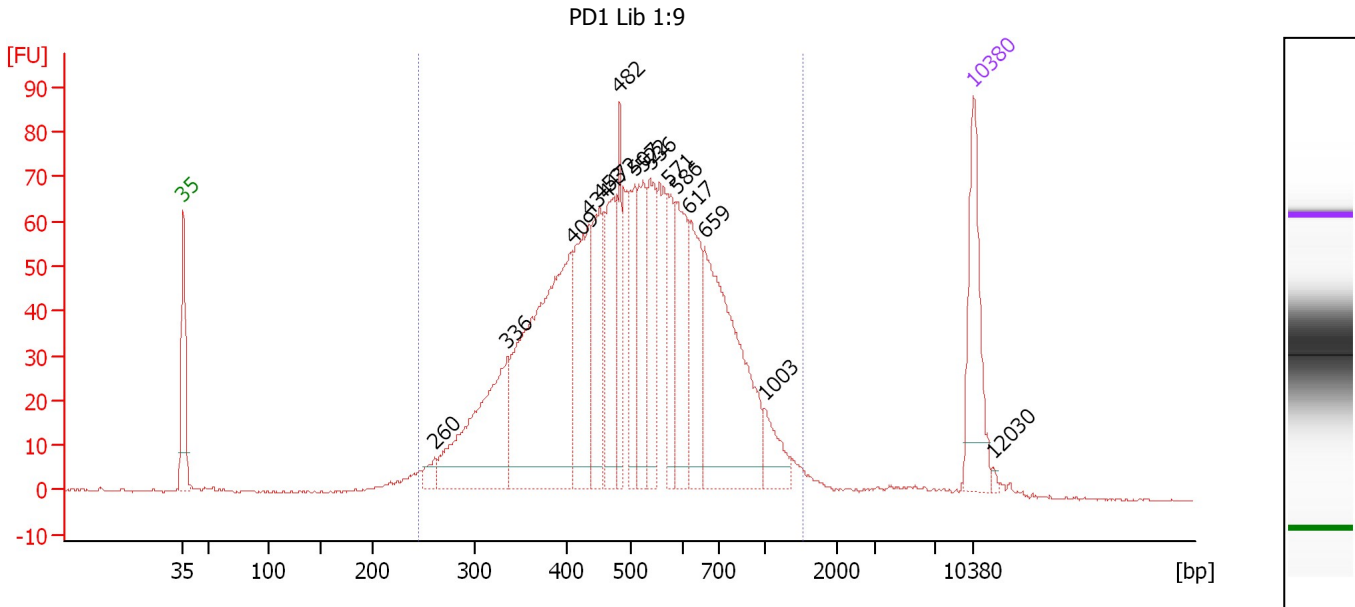
Region table for sample 4 : My bats Kopp

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	461	16.6	4.11	3.2	15	37.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-01\2013-04-01_002.xad

Created: 4/1/2013 11:35:54 AM
 Modified: 4/1/2013 12:13:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : PD1 Lib 1:9

Number of peaks found: 16 Corr. Area 1: 1,698.3
 Noise: 0.3

Peak table for sample 5 : PD1 Lib 1:9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	260	15.77	91.7	
3	336	191.70	864.7	
4	409	349.20	1,294.0	
5	434	128.65	448.6	
6	453	95.87	320.9	
7	472	94.92	304.4	
8	482	62.21	195.4	
9	507	78.73	235.4	
10	522	73.67	213.8	
11	536	80.88	228.5	
12	571	50.20	133.2	
13	586	93.86	242.6	
14	617	84.52	207.7	
15	659	237.01	544.8	
16	1,003	30.16	45.6	
17	10,380	75.00	10.9	Upper Marker
18	12,030	0.00	0.0	

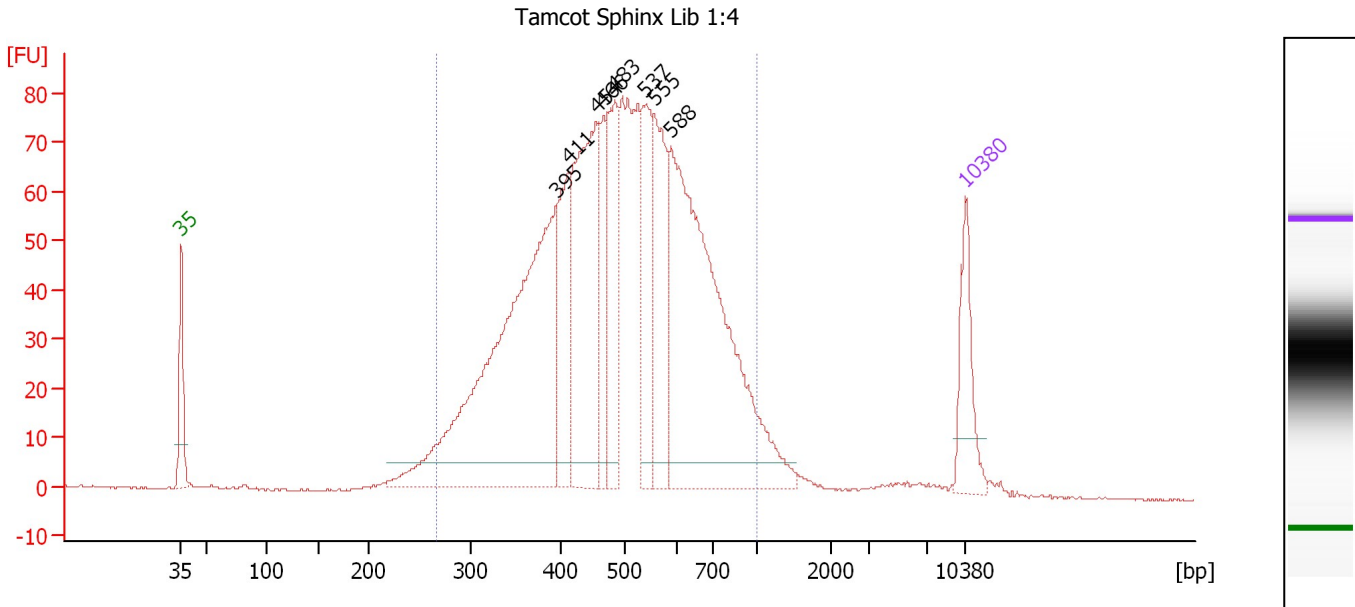
Region table for sample 5 : PD1 Lib 1:9

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
246	1,536	533	6,189.0	1,890.09	1,698.3	97	35.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-01\2013-04-01_002.xad

Created: 4/1/2013 11:35:54 AM
 Modified: 4/1/2013 12:13:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Tamcot Sphinx Lib 1:4

Number of peaks found: 8 Corr. Area 1: 1,811.7
 Noise: 0.2

Peak table for sample 6 : Tamcot Sphinx Lib 1:4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	395	776.15	2,974.4	
3	411	152.34	561.7	
4	454	361.01	1,204.4	
5	466	103.69	337.3	
6	483	180.82	566.9	
7	537	147.61	416.6	
8	555	179.72	490.4	
9	588	656.61	1,691.8	
10	10,380	75.00	10.9	Upper Marker

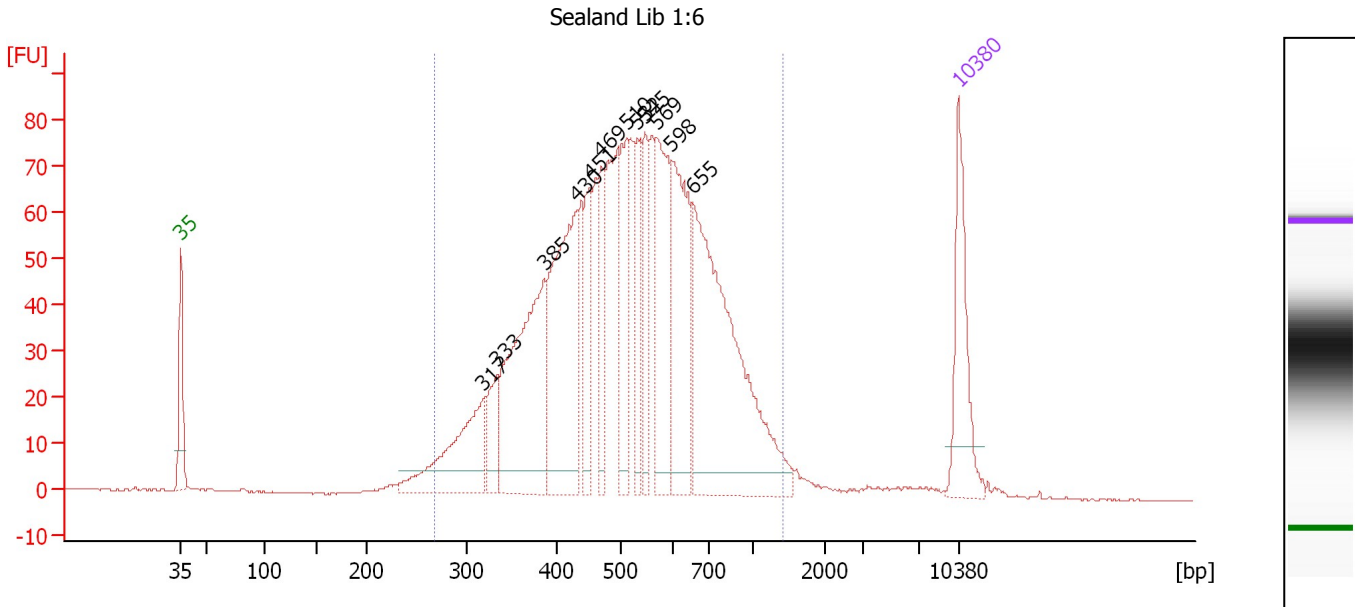
Region table for sample 6 : Tamcot Sphinx Lib 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
267	1,000	505	9,759.8	2,937.13	1,811.7	94	27.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-01\2013-04-01_002.xad

Created: 4/1/2013 11:35:54 AM
 Modified: 4/1/2013 12:13:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Sealand Lib 1:6

Number of peaks found: 12 Corr. Area 1: 1,756.6
 Noise: 0.2

Peak table for sample 7 : Sealand Lib 1:6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	317	141.21	674.3	
3	333	49.74	226.2	
4	385	250.52	987.0	
5	430	236.04	831.5	
6	451	66.20	222.4	
7	469	65.24	210.9	
8	510	99.22	294.7	
9	532	66.50	189.5	
10	545	65.63	182.4	
11	569	136.32	363.0	
12	598	152.39	386.2	
13	655	356.51	824.8	
14	10,380	75.00	10.9	Upper Marker

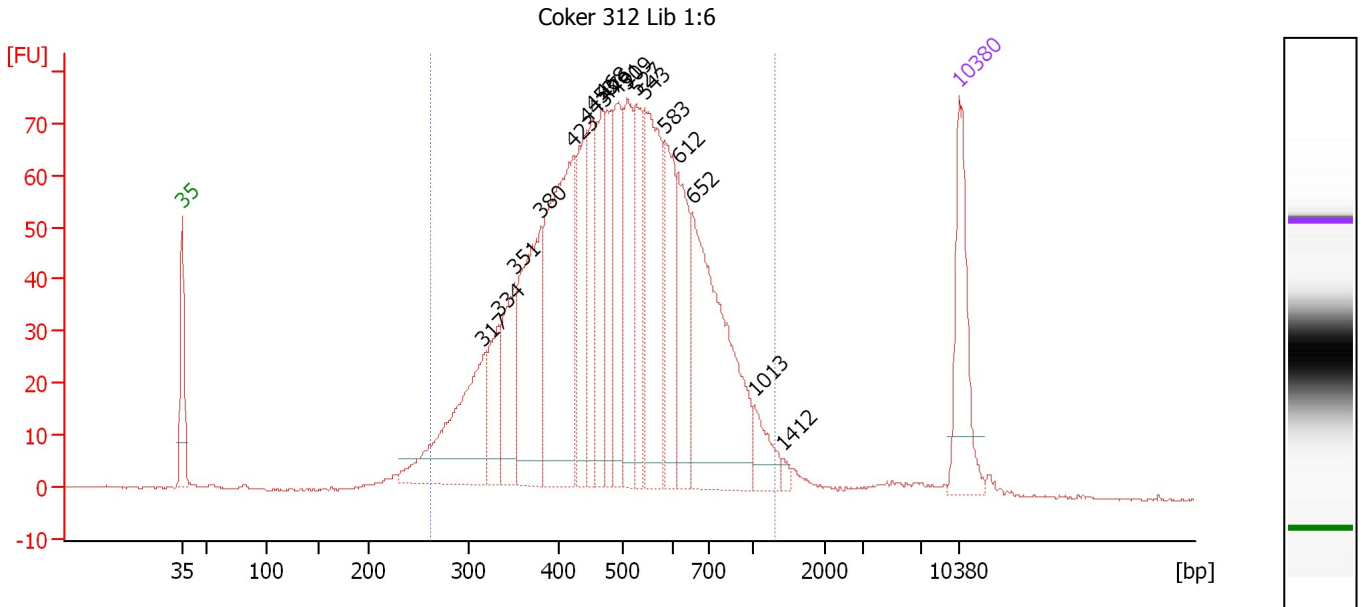
Region table for sample 7 : Sealand Lib 1:6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
267	1,408	544	6,425.6	2,030.84	1,756.6	96	33.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-01\2013-04-01_002.xad

Created: 4/1/2013 11:35:54 AM
 Modified: 4/1/2013 12:13:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Coker 312 Lib 1:6

Number of peaks found: 18 Corr. Area 1: 1,767.7
 Noise: 0.2

Peak table for sample 8 : Coker 312 Lib 1:6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	317	181.22	867.3	
3	334	65.32	296.6	
4	351	93.06	401.9	
5	380	177.33	707.4	
6	423	278.36	998.1	
7	443	96.20	329.2	
8	453	79.34	265.5	
9	468	91.07	294.9	
10	476	70.32	223.7	
11	491	92.09	283.9	
12	509	101.25	301.3	
13	527	77.36	222.5	
14	543	173.26	483.2	
15	583	91.73	238.6	
16	612	94.16	233.0	
17	652	253.14	587.9	
18	1,013	29.50	44.1	
19	1,412	4.61	4.9	
20	10,380	75.00	10.9	Upper Marker

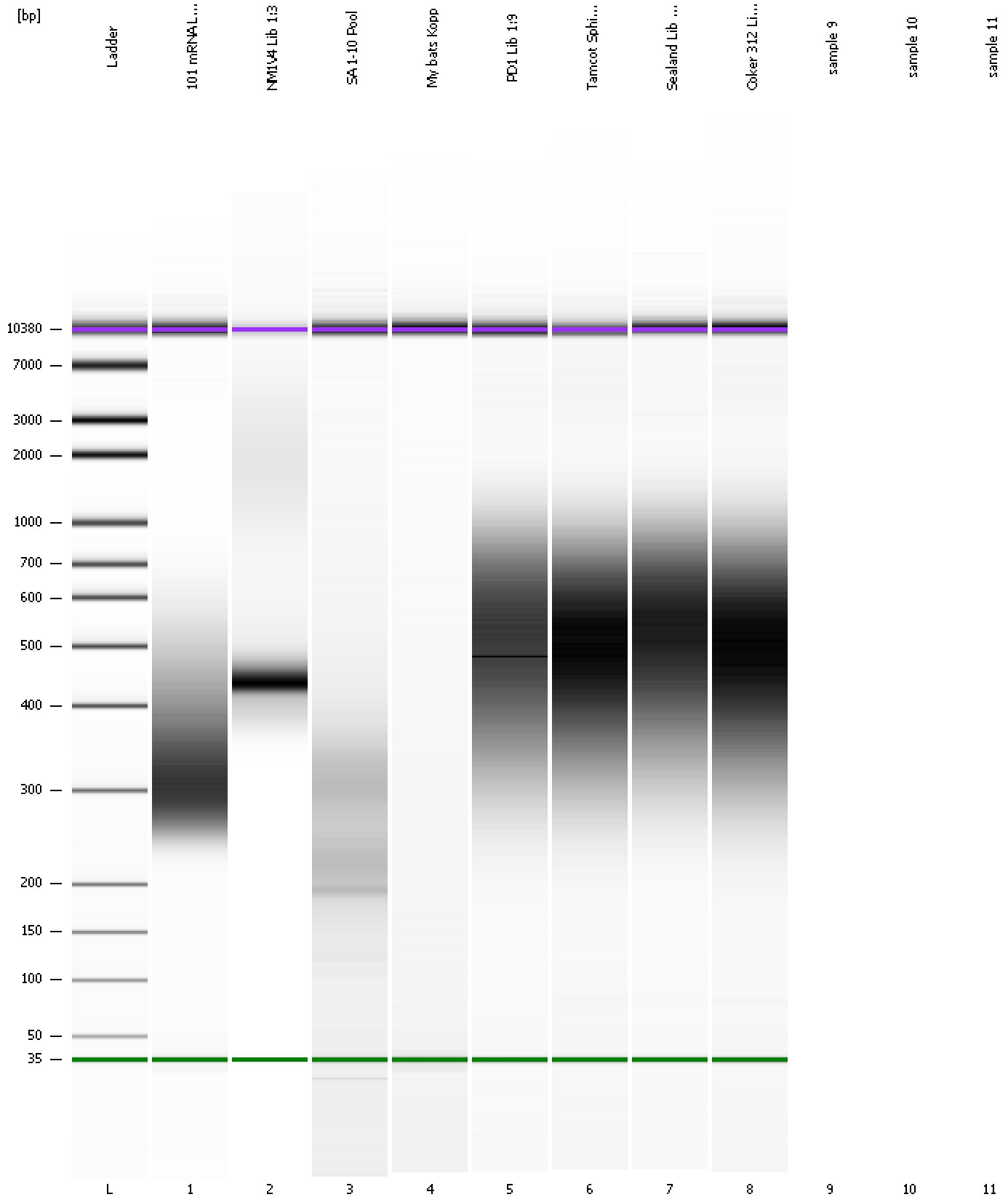
Region table for sample 8 : Coker 312 Lib 1:6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
262	1,307	515	7,213.1	2,171.79	1,767.7	95	32.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-01\2013-04-01_002.xad

Created: 4/1/2013 11:35:54 AM
Modified: 4/1/2013 12:13:49 PM

Gel Image

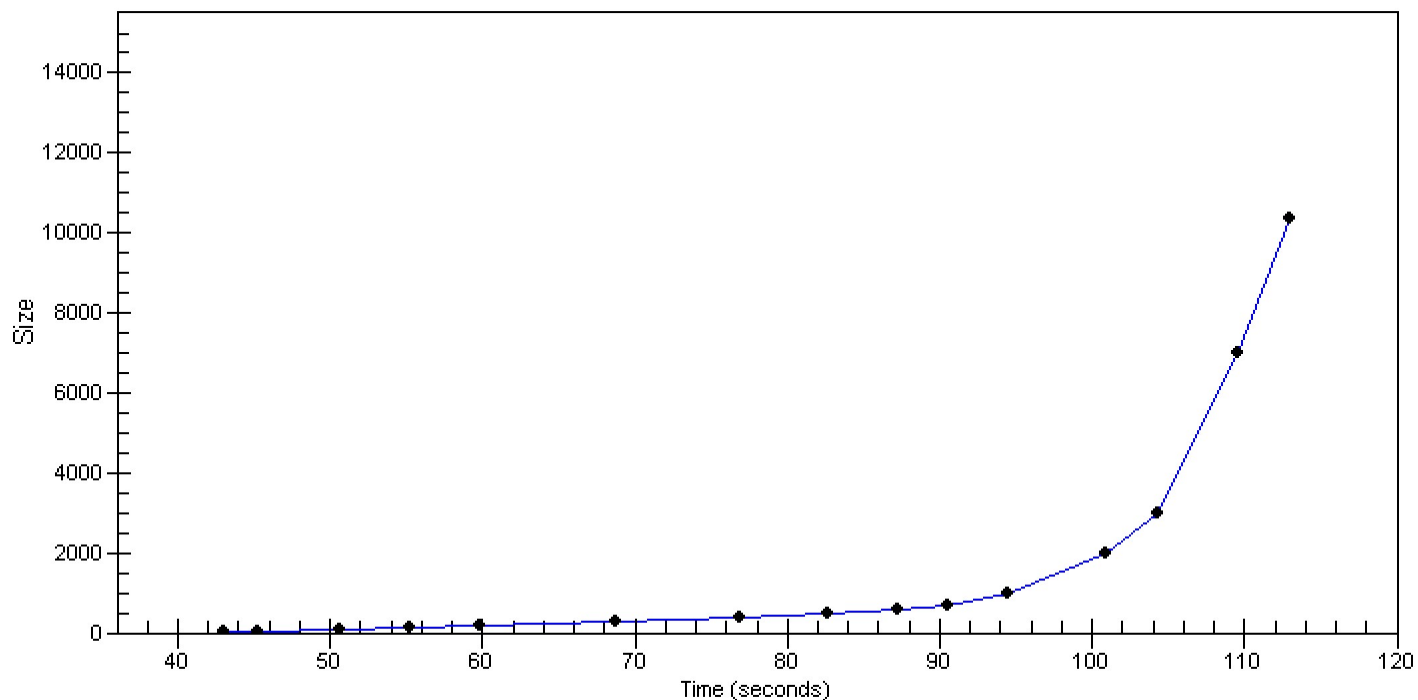


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-01\2013-04-01_002.xad

Created: 4/1/2013 11:35:54 AM
Modified: 4/1/2013 12:13:49 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-01\2013-04-01_002.xad

Created: 4/1/2013 11:35:54 AM
Modified: 4/1/2013 12:13:49 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.

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-04-01\2013-04-01_002.xad

Created: 4/1/2013 11:35:54 AM
 Modified: 4/1/2013 12:13:49 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 9)		Instrument	Run		4/1/2013 12:08:37 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-04-01\2013-04-01_002.xad)		Instrument	Run		4/1/2013 11:35:59 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/1/2013 11:35:59 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/1/2013 11:35:59 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/1/2013 11:35:59 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/1/2013 11:35:59 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/1/2013 11:35:59 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/1/2013 11:35:59 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1