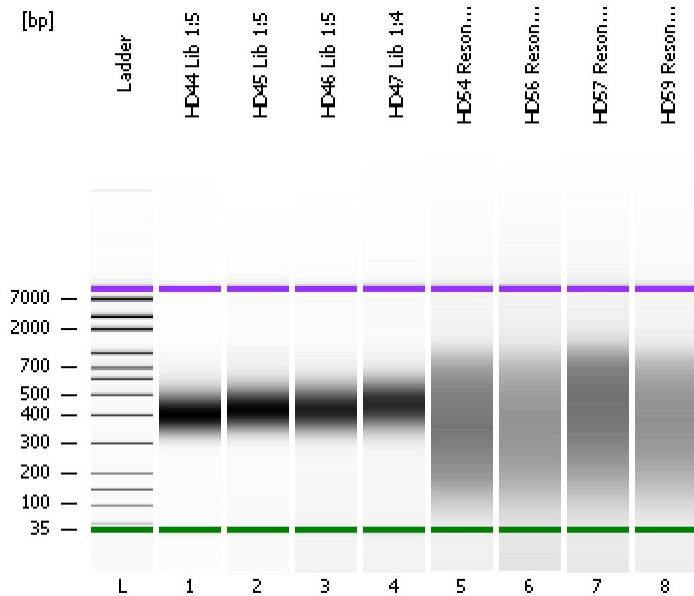


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ngs\Bioanalyzer\2014-01-08\2014-01-08_002_HD_Lib_Resoni.xad

Created: 1/8/2014 12:24:27 PM
Modified: 1/8/2014 1:09:48 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

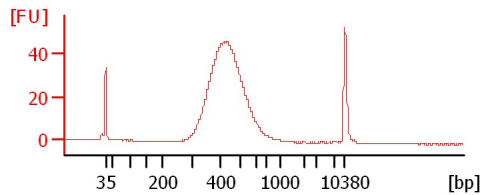
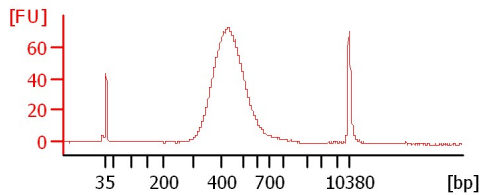
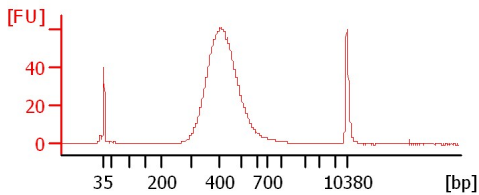
Chip Information:

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

HD44 Lib 1:5

HD45 Lib 1:5

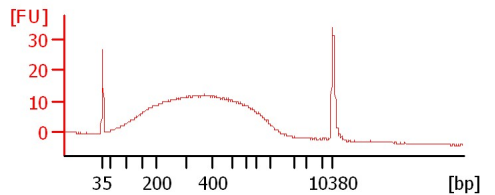
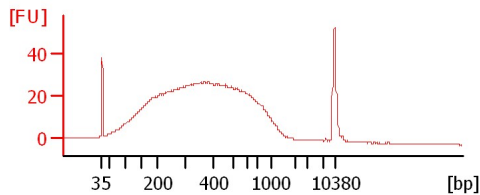
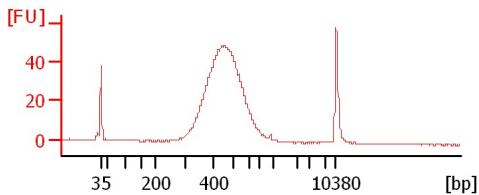
HD46 Lib 1:5



HD47 Lib 1:4

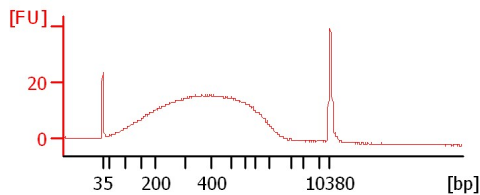
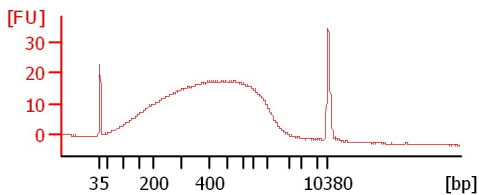
HD54 Resoni 1:6

HD56 Resoni 1:6



HD57 Resoni 1:6

HD59 Resoni 1:6



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ngs\Bioanalyzer\2014-01-08\2014-01-08_002_HD_Lib_Resoni.xad

Created: 1/8/2014 12:24:27 PM
 Modified: 1/8/2014 1:09:48 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
HD44 Lib 1:5		<input type="checkbox"/>	✓			
HD45 Lib 1:5		<input type="checkbox"/>	✓			
HD46 Lib 1:5		<input type="checkbox"/>	✓			
HD47 Lib 1:4		<input type="checkbox"/>	✓			
HD54 Resoni 1:6		<input type="checkbox"/>	✓			
HD56 Resoni 1:6		<input type="checkbox"/>	✓			
HD57 Resoni 1:6		<input type="checkbox"/>	✓			
HD59 Resoni 1:6		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ngs\Bioanalyzer\2014-01-08\2014-01-08_002_HD_Lib_Resoni.xad

Created: 1/8/2014 12:24:27 PM
 Modified: 1/8/2014 1:09:48 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

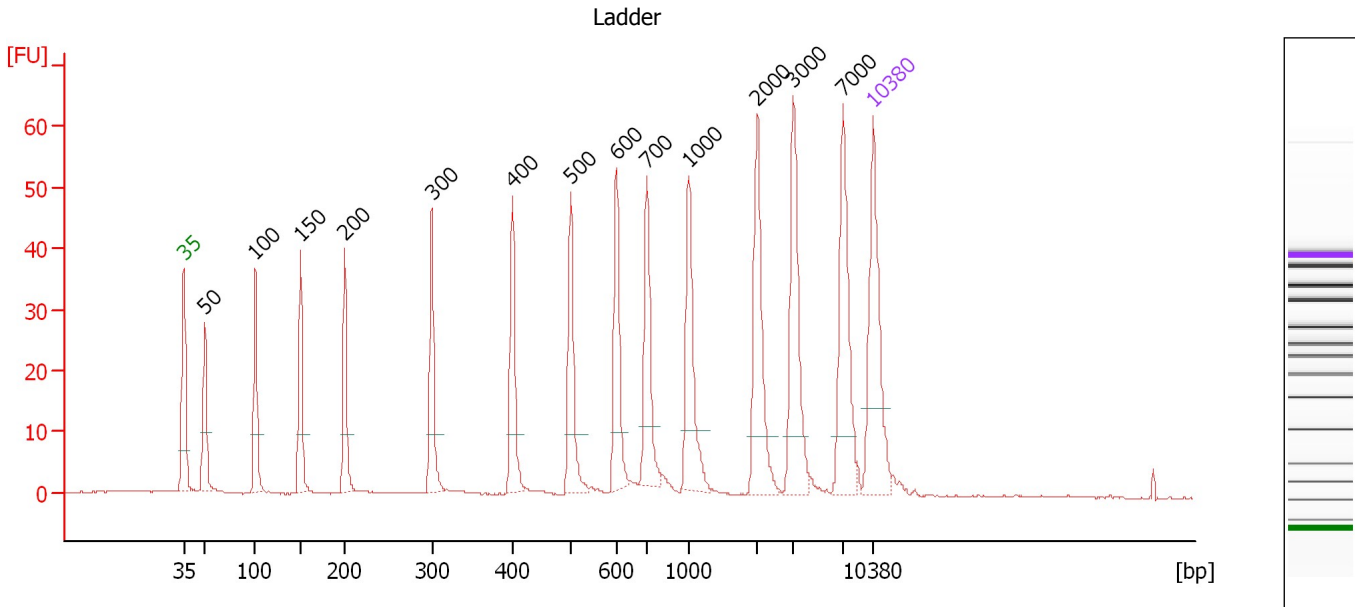
Ladder

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:\...ngs\Bioanalyzer\2014-01-08\2014-01-08_002_HD_Lib_Resoni.xad

Created: 1/8/2014 12:24:27 PM
 Modified: 1/8/2014 1:09:48 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

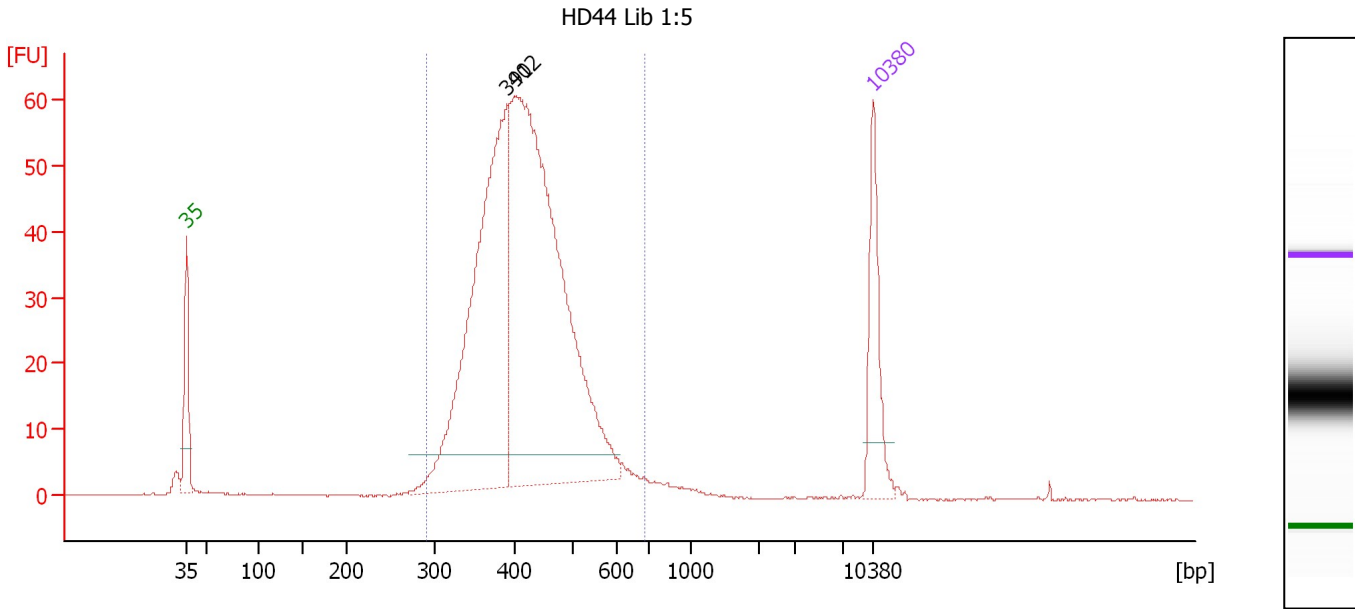
Peak table for Ladder

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	45.11	50	150.00	4,545.5	Ladder Peak
3	50.25	100	150.00	2,272.7	Ladder Peak
4	54.86	150	150.00	1,515.2	Ladder Peak
5	59.35	200	150.00	1,136.4	Ladder Peak
6	68.17	300	150.00	757.6	Ladder Peak
7	76.35	400	150.00	568.2	Ladder Peak
8	82.30	500	150.00	454.5	Ladder Peak
9	86.91	600	150.00	378.8	Ladder Peak
10	90.05	700	150.00	324.7	Ladder Peak
11	94.27	1,000	150.00	227.3	Ladder Peak
12	101.25	2,000	150.00	113.6	Ladder Peak
13	104.88	3,000	150.00	75.8	Ladder Peak
14	109.91	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:\...ngs\Bioanalyzer\2014-01-08\2014-01-08_002_HD_Lib_Resoni.xad

Created: 1/8/2014 12:24:27 PM
 Modified: 1/8/2014 1:09:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : HD44 Lib 1:5

Number of peaks found: 2 Corr. Area 1: 772.6
 Noise: 0.1

Peak table for sample 1 : HD44 Lib 1:5

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	75.64	391	559.74	2,167.4	
3	76.45	402	803.56	3,030.6	
4	113.00	10,380	75.00	10.9	Upper Marker

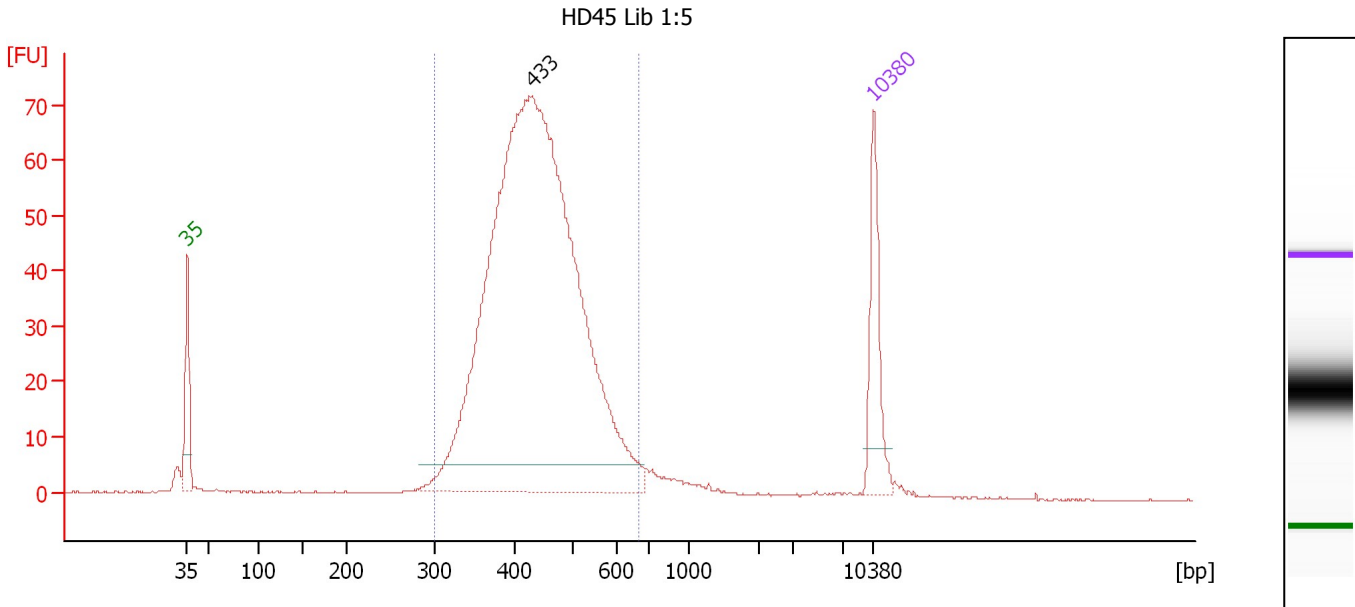
Region table for sample 1 : HD44 Lib 1:5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
292	686	423	5,345.6	1,449.32	772.6	96	15.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ngs\Bioanalyzer\2014-01-08\2014-01-08_002_HD_Lib_Resoni.xad

Created: 1/8/2014 12:24:27 PM
 Modified: 1/8/2014 1:09:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : HD45 Lib 1:5

Number of peaks found: 1 Corr. Area 1: 914.6
 Noise: 0.1

Peak table for sample 2 : HD45 Lib 1:5

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	78.30	433	1,484.61	5,197.9	
3	113.00	10,380	75.00	10.9	Upper Marker

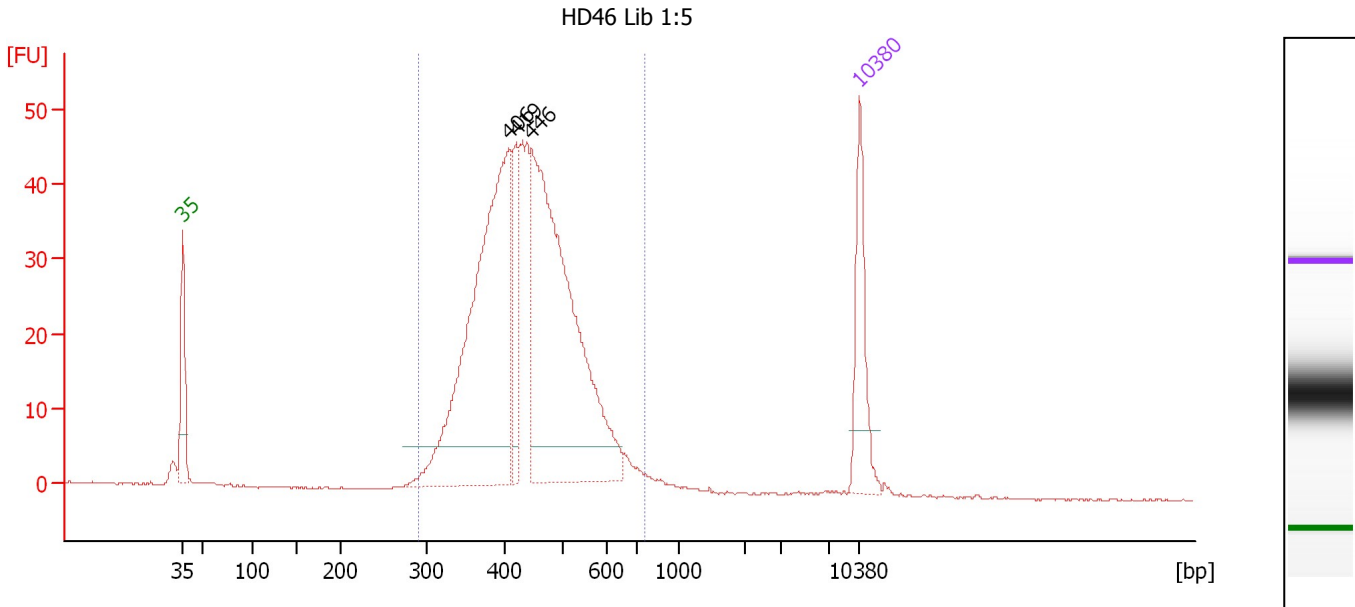
Region table for sample 2 : HD45 Lib 1:5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
301	672	441	5,321.0	1,506.14	914.6	94	15.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ngs\Bioanalyzer\2014-01-08\2014-01-08_002_HD_Lib_Resoni.xad

Created: 1/8/2014 12:24:27 PM
 Modified: 1/8/2014 1:09:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : HD46 Lib 1:5

Number of peaks found: 3 Corr. Area 1: 647.4
 Noise: 0.1

Peak table for sample 3 : HD46 Lib 1:5

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	76.70	406	531.64	1,984.2	
3	77.48	419	90.52	327.4	
4	79.08	446	555.58	1,888.3	
5	113.00	10,380	75.00	10.9	Upper Marker

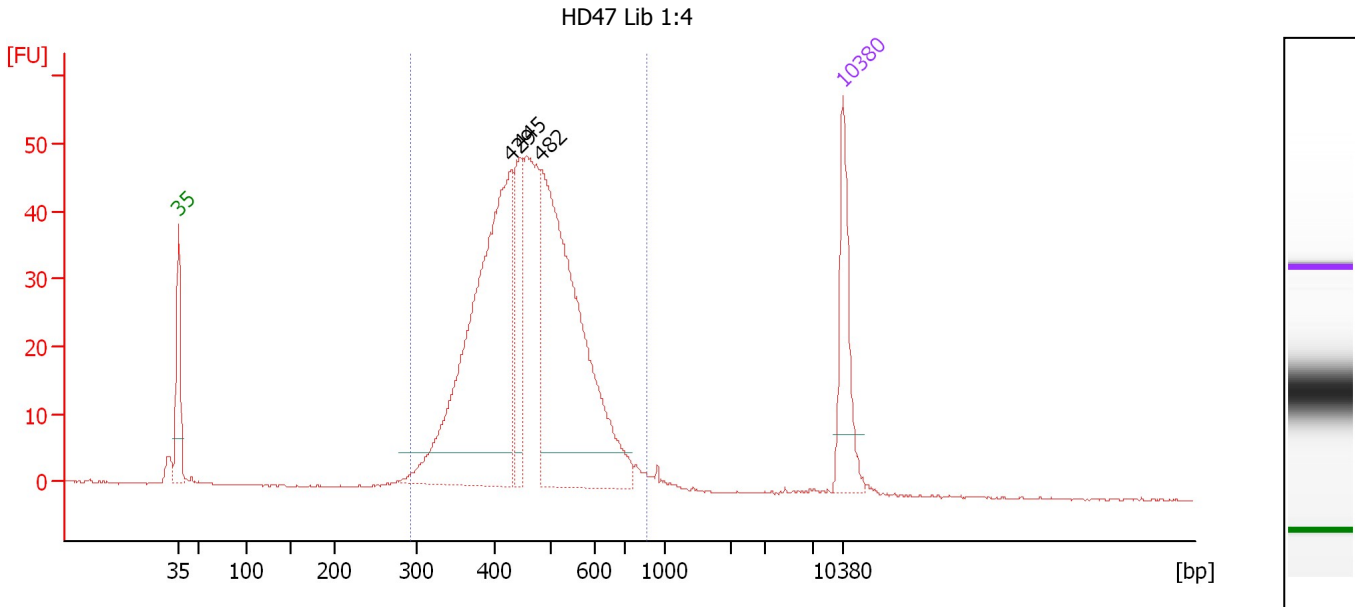
Region table for sample 3 : HD46 Lib 1:5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
292	747	443	4,897.3	1,382.17	647.4	97	17.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ngs\Bioanalyzer\2014-01-08\2014-01-08_002_HD_Lib_Resoni.xad

Created: 1/8/2014 12:24:27 PM
 Modified: 1/8/2014 1:09:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : HD47 Lib 1:4

Number of peaks found: 3 Corr. Area 1: 722.1
 Noise: 0.2

Peak table for sample 4 : HD47 Lib 1:4

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	78.06	429	512.33	1,810.8	
3	79.01	445	105.94	360.9	
4	81.20	482	477.58	1,502.8	
5	113.00	10,380	75.00	10.9	Upper Marker

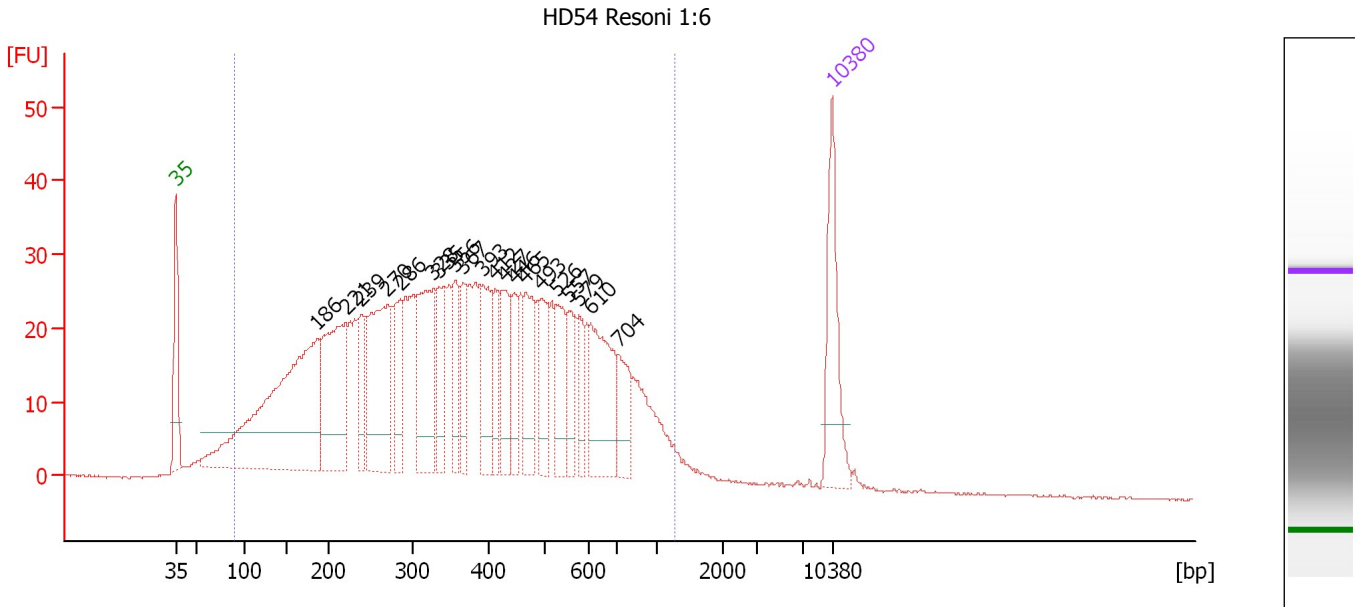
Region table for sample 4 : HD47 Lib 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
292	858	465	4,479.3	1,318.19	722.1	97	18.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ngs\Bioanalyzer\2014-01-08\2014-01-08_002_HD_Lib_Resoni.xad

Created: 1/8/2014 12:24:27 PM
 Modified: 1/8/2014 1:09:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : HD54 Resoni 1:6

Number of peaks found: 20 Corr. Area 1: 1,241.3
 Noise: 0.1

Peak table for sample 5 : HD54 Resoni 1:6

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	58.06	186	437.89	3,574.4	
3	61.18	221	189.34	1,299.5	
4	62.77	239	52.97	336.1	
5	65.56	270	165.46	927.4	
6	66.92	286	56.26	298.3	
7	70.44	328	143.26	662.3	
8	71.01	335	62.66	283.6	
9	72.77	356	53.32	226.8	
10	73.63	367	48.26	199.4	
11	75.78	393	75.90	292.6	
12	77.03	412	43.03	158.4	
13	77.94	427	55.36	196.5	
14	79.08	446	41.31	140.4	
15	80.22	465	68.15	222.1	
16	81.86	493	59.49	183.0	
17	83.51	526	54.65	157.3	
18	84.93	557	43.14	117.3	
19	85.95	579	30.70	80.3	
20	87.20	610	103.00	256.0	
21	90.10	704	45.59	98.1	
22	113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ngs\Bioanalyzer\2014-01-08\2014-01-08_002_HD_Lib_Resoni.xad

Created: 1/8/2014 12:24:27 PM
Modified: 1/8/2014 1:09:48 PM

Electropherogram Summary Continued ...

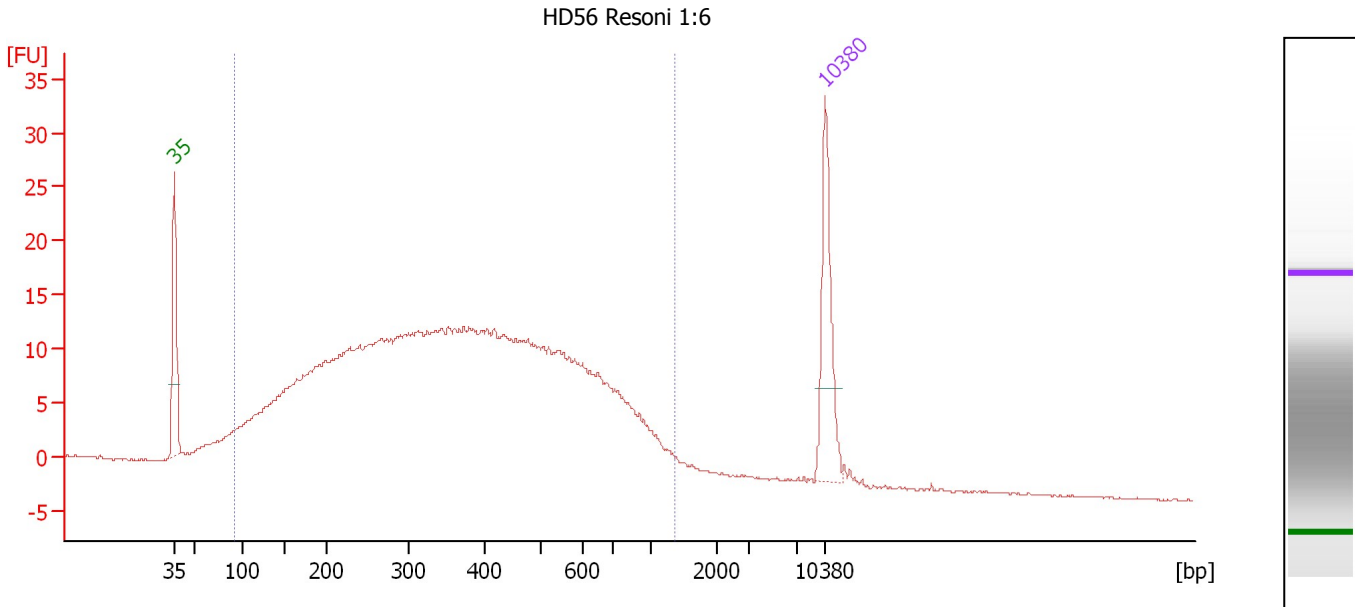
... Region table for sample 5 : HD54 Resoni 1:6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
90	1,262	401	14,898.0	2,650.39	1,241.3	95	50.7	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ngs\Bioanalyzer\2014-01-08\2014-01-08_002_HD_Lib_Resoni.xad

Created: 1/8/2014 12:24:27 PM
 Modified: 1/8/2014 1:09:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : HD56 Resoni 1:6

Number of peaks found: 0 Corr. Area 1: 589.9
 Noise: 0.1

Peak table for sample 6 : HD56 Resoni 1:6

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	113.00	10,380	75.00	10.9	Upper Marker

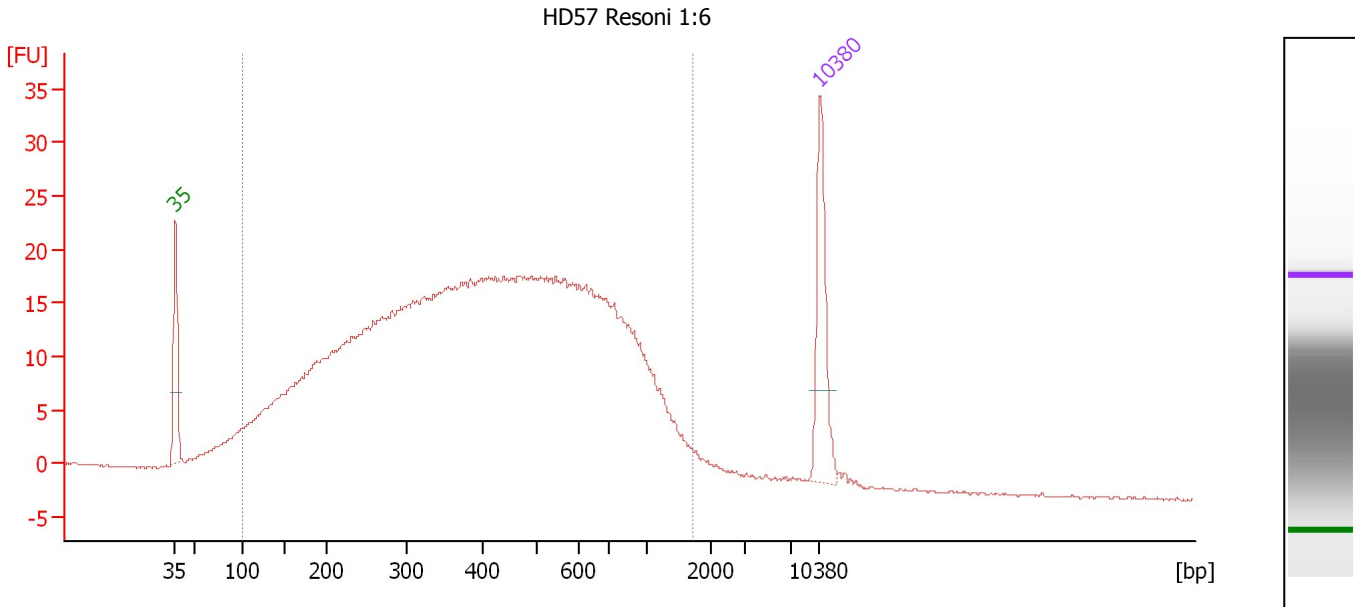
Region table for sample 6 : HD56 Resoni 1:6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
93	1,360	402	11,180.1	2,013.44	589.9	96	51.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ngs\Bioanalyzer\2014-01-08\2014-01-08_002_HD_Lib_Resoni.xad

Created: 1/8/2014 12:24:27 PM
 Modified: 1/8/2014 1:09:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : HD57 Resoni 1:6

Number of peaks found: 0 Corr. Area 1: 825.5
 Noise: 0.1

Peak table for sample 7 : HD57 Resoni 1:6

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	113.00	10,380	75.00	10.9	Upper Marker

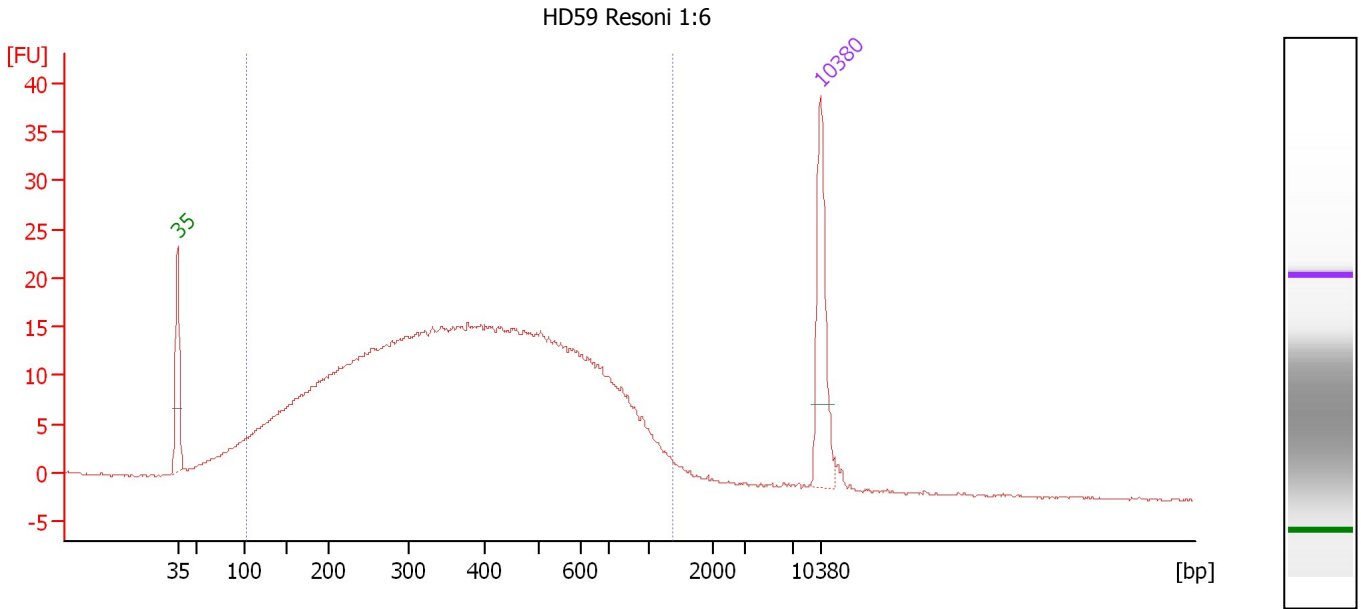
Region table for sample 7 : HD57 Resoni 1:6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
100	1,717	471	13,359.9	2,702.06	825.5	96	57.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ngs\Bioanalyzer\2014-01-08\2014-01-08_002_HD_Lib_Resoni.xad

Created: 1/8/2014 12:24:27 PM
 Modified: 1/8/2014 1:09:48 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : HD59 Resoni 1:6

Number of peaks found: 0 Corr. Area 1: 697.6
 Noise: 0.1

Peak table for sample 8 : HD59 Resoni 1:6

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	113.00	10,380	75.00	10.9	Upper Marker

Region table for sample 8 : HD59 Resoni 1:6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
103	1,367	417	11,218.2	2,134.45	697.6	95	50.3	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ngs\Bioanalyzer\2014-01-08\2014-01-08_002_HD_Lib_Resoni.xad

Created: 1/8/2014 12:24:27 PM
Modified: 1/8/2014 1:09:48 PM

Gel Image

