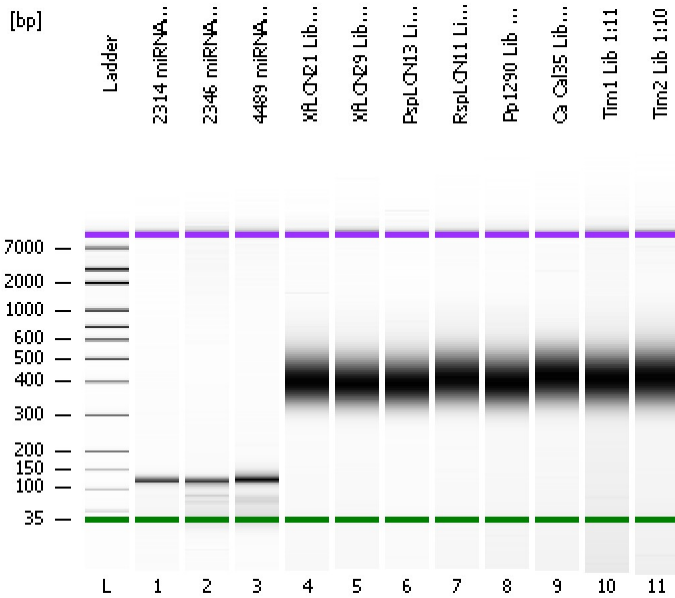


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_002.xad

Created: 10/3/2013 10:59:22 AM
Modified: 10/3/2013 11:41:01 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

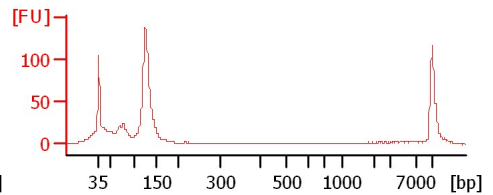
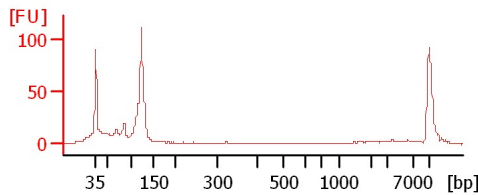
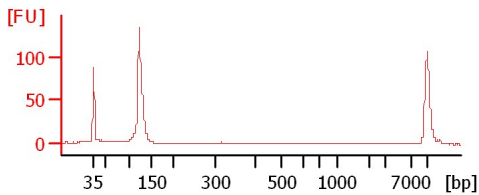
Chip Information:

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

2314 miRNA Lib

2346 miRNA Lib

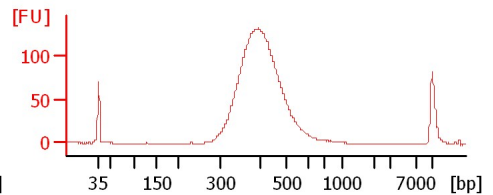
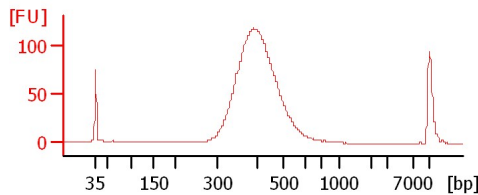
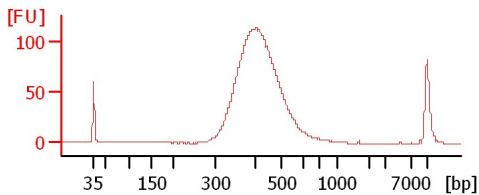
4489 miRNA Lib



XFLCN21 Lib 1:7

XFLCN29 Lib 1:8

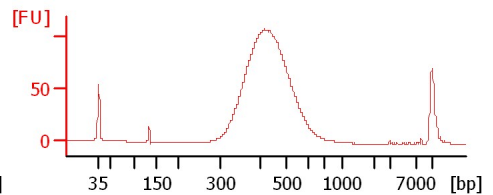
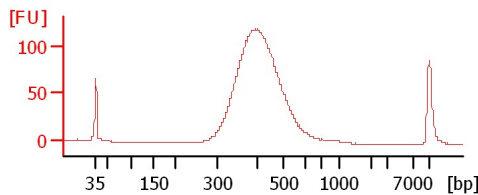
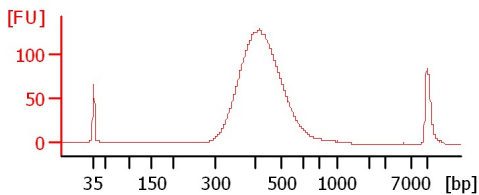
PspLCN13 Lib 1:6



RspLCN11 Lib 1:11

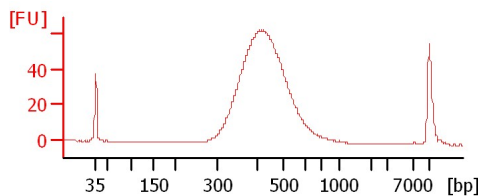
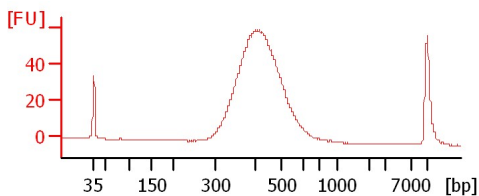
Pp1290 Lib 1:5

Ca Cal35 Lib 1:7



Tim1 Lib 1:11

Tim2 Lib 1:10



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_002.xad

Created: 10/3/2013 10:59:22 AM
Modified: 10/3/2013 11:41:01 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
2314 miRNA Lib		<input type="checkbox"/>	✓			
2346 miRNA Lib		<input type="checkbox"/>	✓			
4489 miRNA Lib		<input type="checkbox"/>	✓			
XfLCN21 Lib 1:7		<input type="checkbox"/>	✓			
XfLCN29 Lib 1:8		<input type="checkbox"/>	✓			
PspLCN13 Lib 1:6		<input type="checkbox"/>	✓			
RspLCN11 Lib 1:11		<input type="checkbox"/>	✓			
Pp1290 Lib 1:5		<input type="checkbox"/>	✓			
Ca Cal35 Lib 1:7		<input type="checkbox"/>	✓			
Tim1 Lib 1:11		<input type="checkbox"/>	✓			
Tim2 Lib 1:10		<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\2013-10-03\2013-10-03_002.xad

Created: 10/3/2013 10:59:22 AM
Modified: 10/3/2013 11:41:01 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

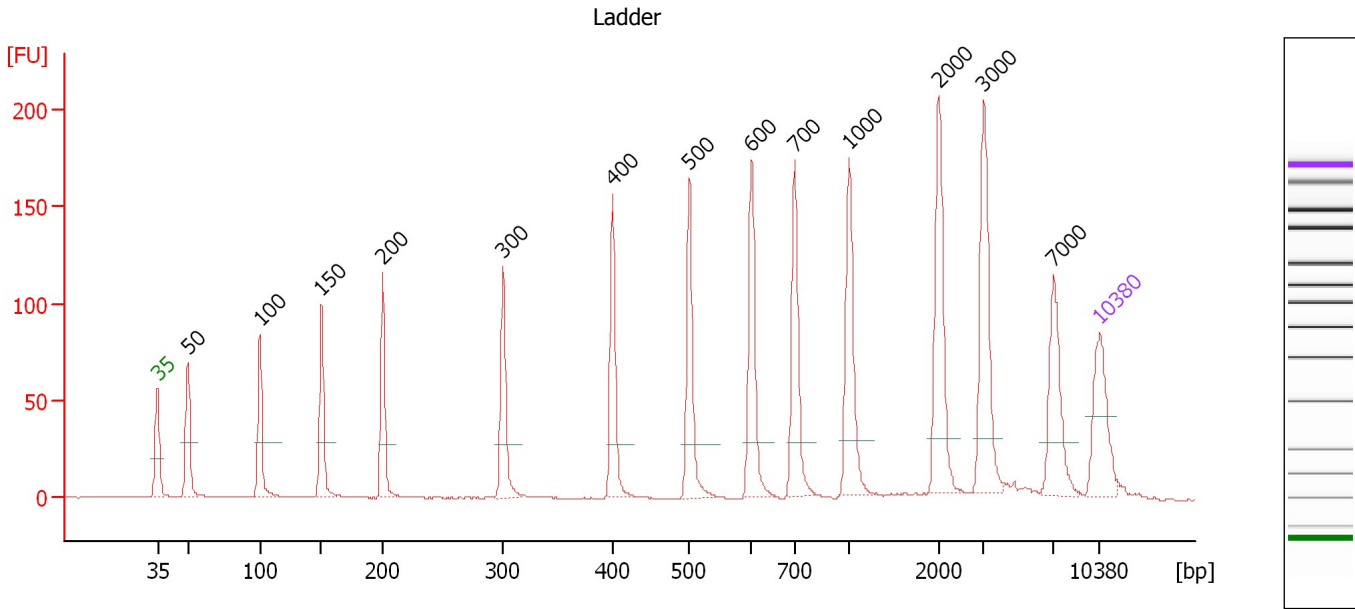
Ladder

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:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_002.xad

Created: 10/3/2013 10:59:22 AM
 Modified: 10/3/2013 11:41:01 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

Peak table for Ladder

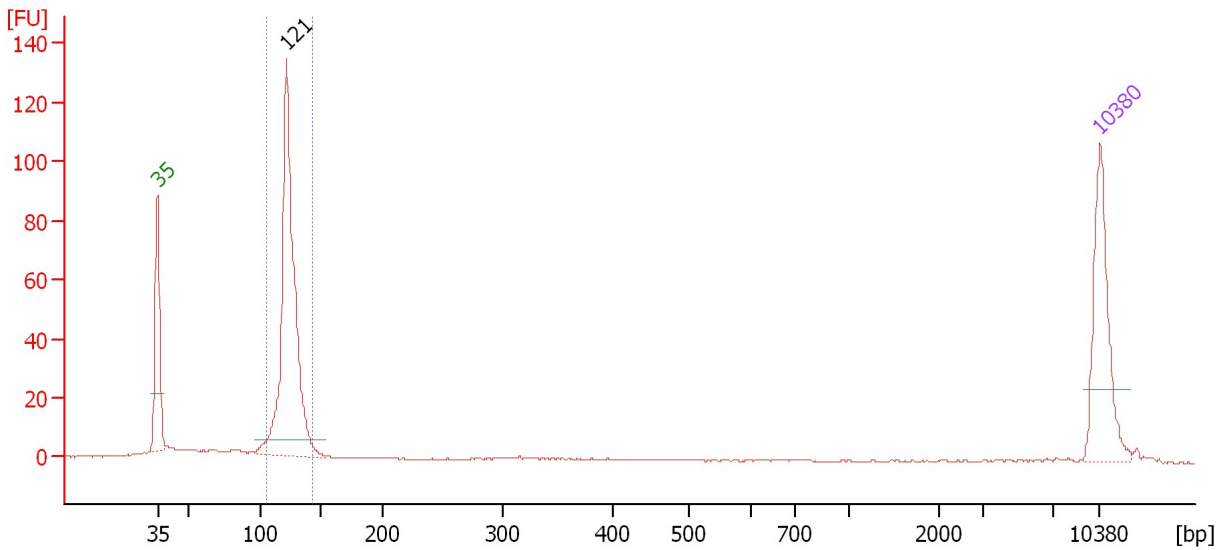
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	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\2013-10-03\2013-10-03_002.xad

Created: 10/3/2013 10:59:22 AM
 Modified: 10/3/2013 11:41:01 AM

Electropherogram Summary Continued ...

2314 miRNA Lib



Overall Results for sample 1 : 2314 miRNA Lib

Number of peaks found: 1 Corr. Area 1: 277.7
 Noise: 0.2

Peak table for sample 1 : 2314 miRNA Lib

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	121	346.63	4,329.5	
3	10,380	75.00	10.9	Upper Marker

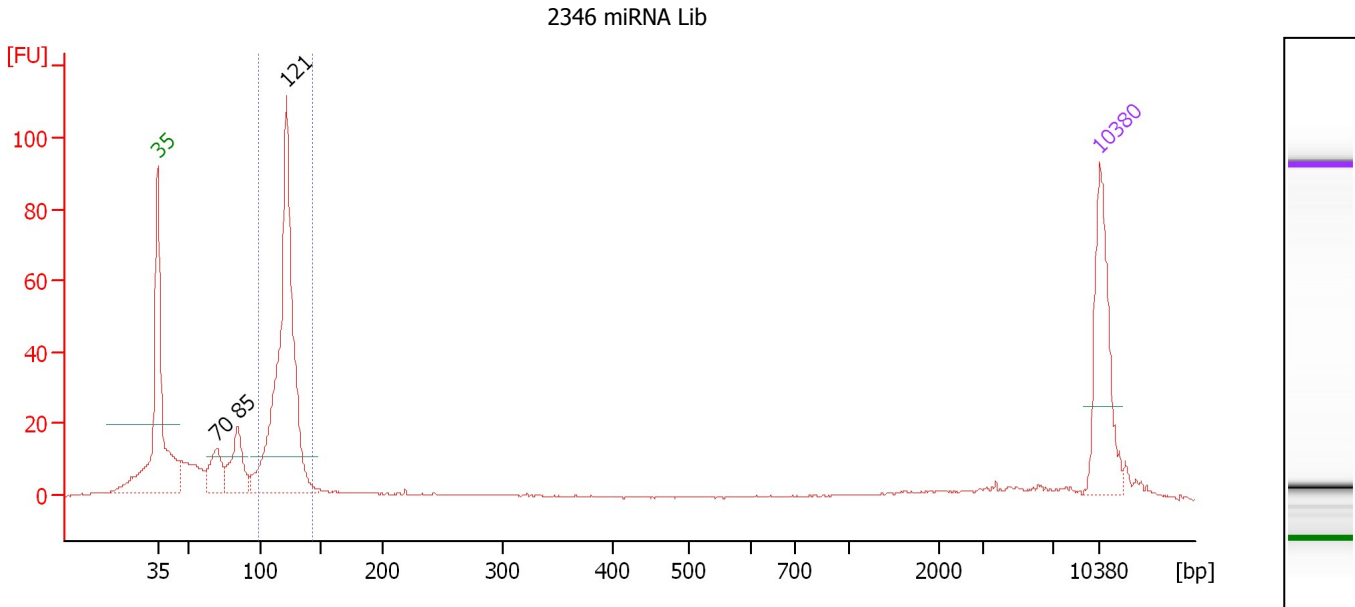
Region table for sample 1 : 2314 miRNA Lib

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
106	143	124	4,212.7	343.59	277.7	79	5.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_002.xad

Created: 10/3/2013 10:59:22 AM
 Modified: 10/3/2013 11:41:01 AM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 2 : 2346 miRNA Lib

Height Threshold [FU] : 10

Overall Results for sample 2 : 2346 miRNA Lib

Number of peaks found: 3 Corr. Area 1: 262.3
 Noise: 0.2

Peak table for sample 2 : 2346 miRNA Lib

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	70	43.05	929.3	
3	85	59.87	1,072.6	
4	121	388.23	4,844.6	
5	10,380	75.00	10.9	Upper Marker

Region table for sample 2 : 2346 miRNA Lib

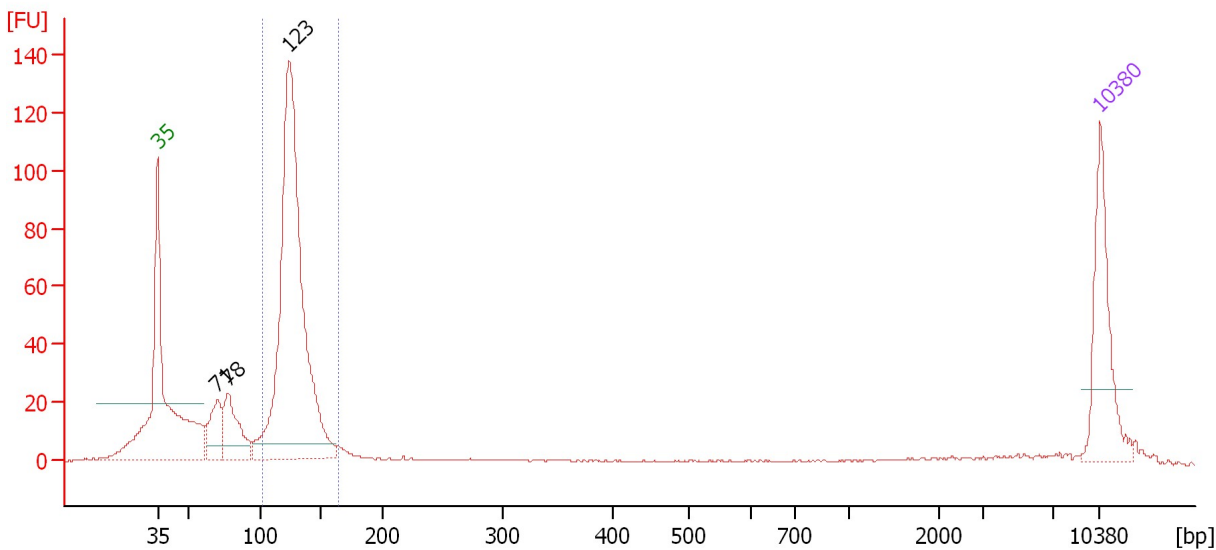
From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
99	143	120	4,899.7	388.41	262.3	59	6.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_002.xad

Created: 10/3/2013 10:59:22 AM
 Modified: 10/3/2013 11:41:01 AM

Electropherogram Summary Continued ...

4489 miRNA Lib



Overall Results for sample 3 : 4489 miRNA Lib

Number of peaks found: 3 Corr. Area 1: 495.2
 Noise: 0.2

Peak table for sample 3 : 4489 miRNA Lib

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	71	51.99	1,116.3	
3	78	73.61	1,428.1	
4	123	576.16	7,072.6	
5	10,380	75.00	10.9	Upper Marker

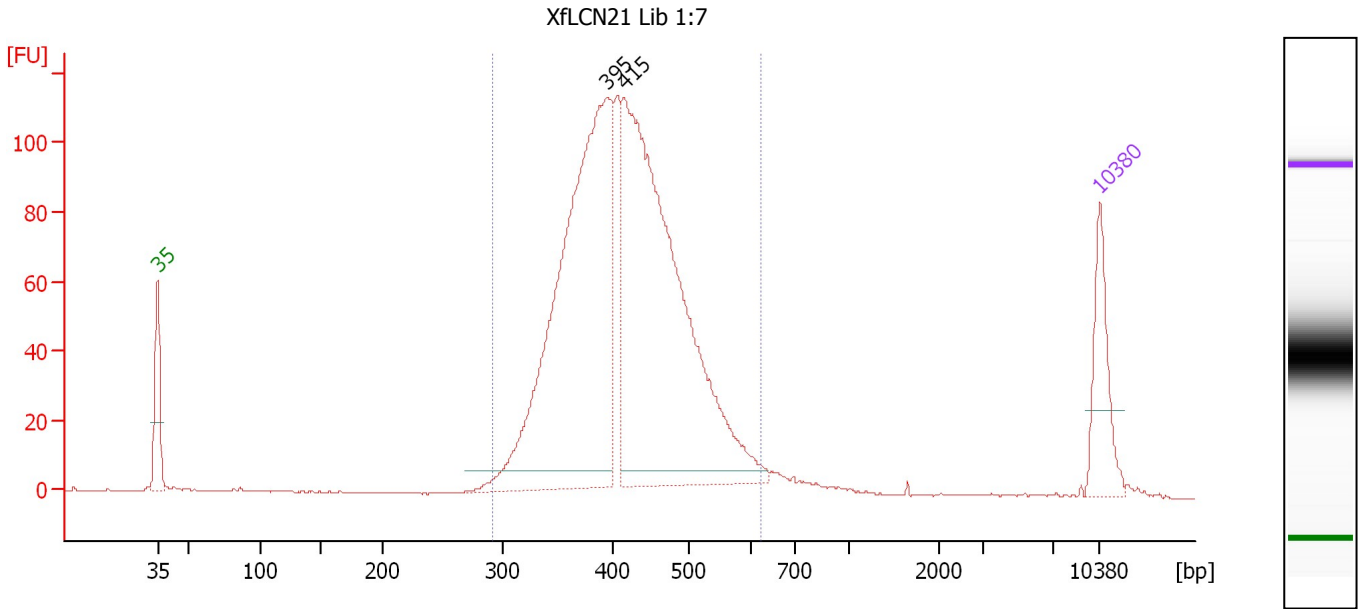
Region table for sample 3 : 4489 miRNA Lib

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
102	164	127	6,802.4	570.55	495.2	70	8.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_002.xad

Created: 10/3/2013 10:59:22 AM
 Modified: 10/3/2013 11:41:01 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : XfLCN21 Lib 1:7

Number of peaks found: 2 Corr. Area 1: 1,514.0
 Noise: 0.1

Peak table for sample 4 : XfLCN21 Lib 1:7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	395	798.67	3,060.0	
3	415	841.25	3,070.3	
4	10,380	75.00	10.9	Upper Marker

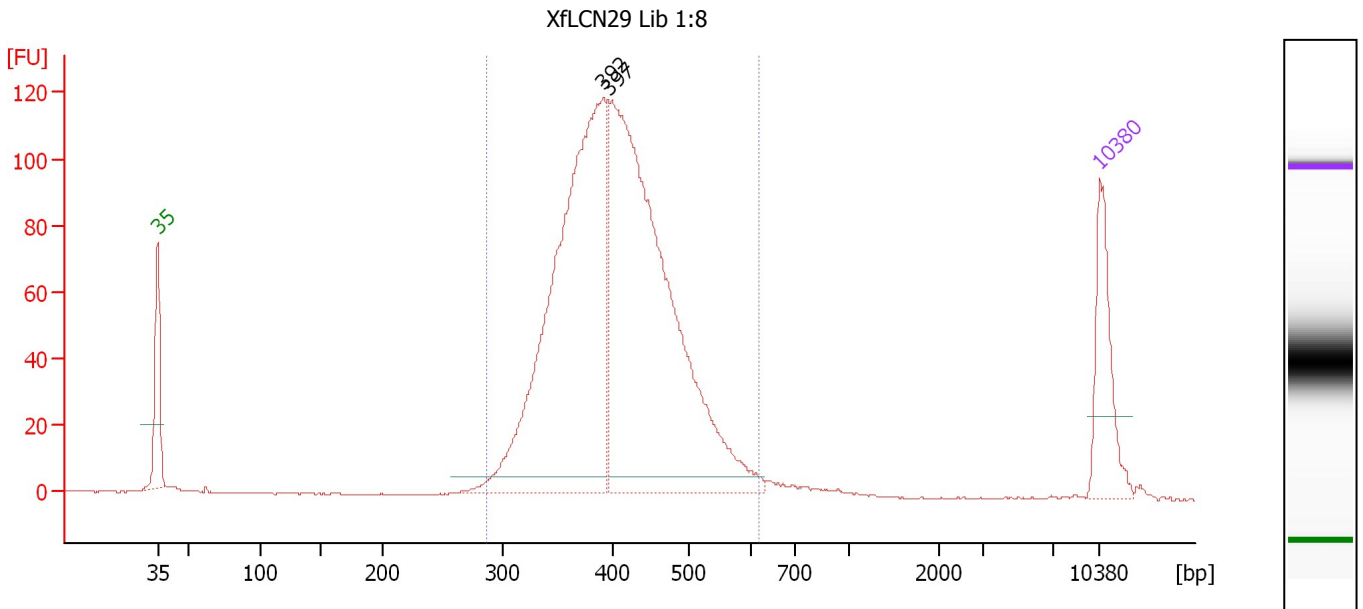
Region table for sample 4 : XfLCN21 Lib 1:7

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
292	619	421	6,696.9	1,811.02	1,514.0	96	14.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_002.xad

Created: 10/3/2013 10:59:22 AM
 Modified: 10/3/2013 11:41:01 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : XfLCN29 Lib 1:8

Number of peaks found: 2 Corr. Area 1: 1,522.5
 Noise: 0.1

Peak table for sample 5 : XfLCN29 Lib 1:8

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	392	686.30	2,655.2	
3	397	750.10	2,860.1	
4	10,380	75.00	10.9	Upper Marker

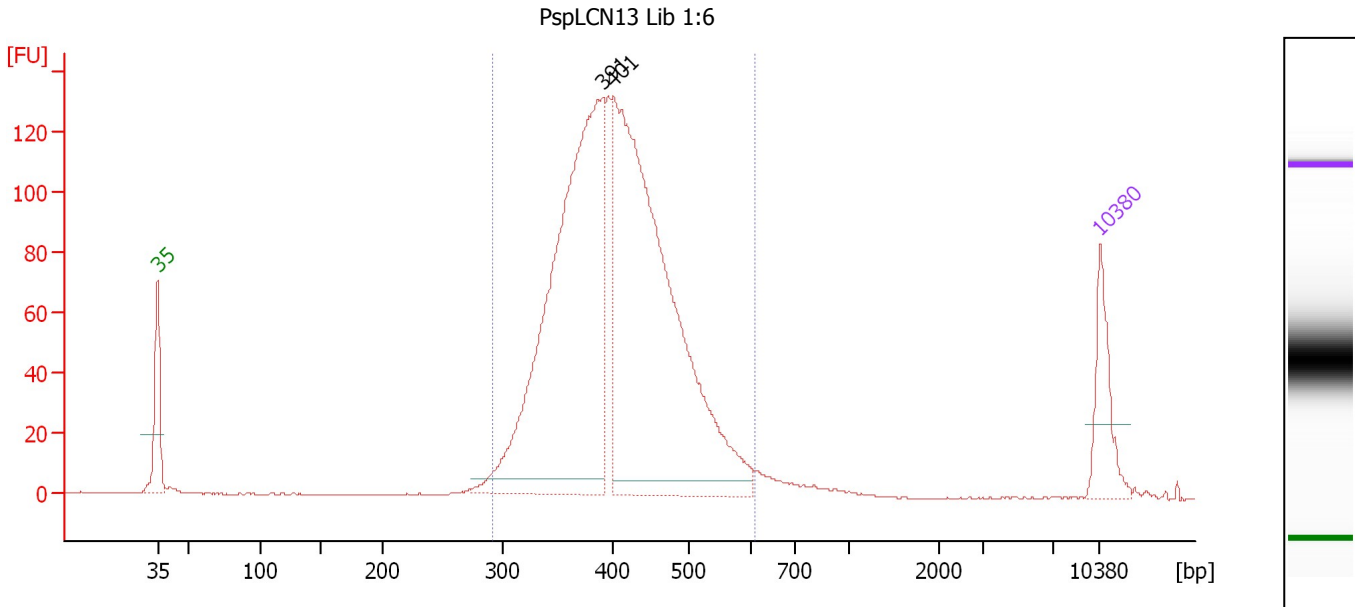
Region table for sample 5 : XfLCN29 Lib 1:8

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
287	619	411	5,607.2	1,483.94	1,522.5	96	14.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_002.xad

Created: 10/3/2013 10:59:22 AM
 Modified: 10/3/2013 11:41:01 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : PspLCN13 Lib 1:6

Number of peaks found: 2 Corr. Area 1: 1,723.4
 Noise: 0.1

Peak table for sample 6 : PspLCN13 Lib 1:6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	391	966.70	3,747.9	
3	401	1,024.55	3,871.8	
4	10,380	75.00	10.9	Upper Marker

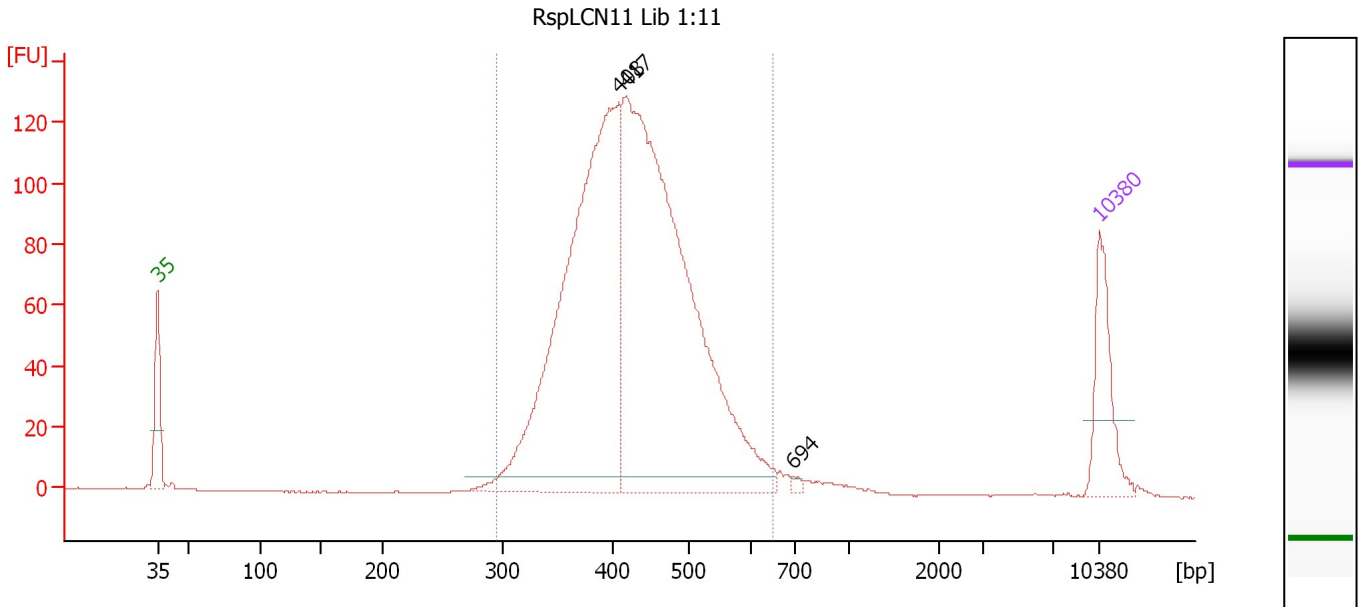
Region table for sample 6 : PspLCN13 Lib 1:6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
291	608	411	8,056.1	2,130.86	1,723.4	96	14.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_002.xad

Created: 10/3/2013 10:59:22 AM
 Modified: 10/3/2013 11:41:01 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : RspLCN11 Lib 1:11

Number of peaks found: 3 Corr. Area 1: 1,717.1
 Noise: 0.1

Peak table for sample 7 : RspLCN11 Lib 1:11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	408	786.47	2,919.4	
3	417	982.25	3,565.7	
4	694	4.94	10.8	
5	10,380	75.00	10.9	Upper Marker

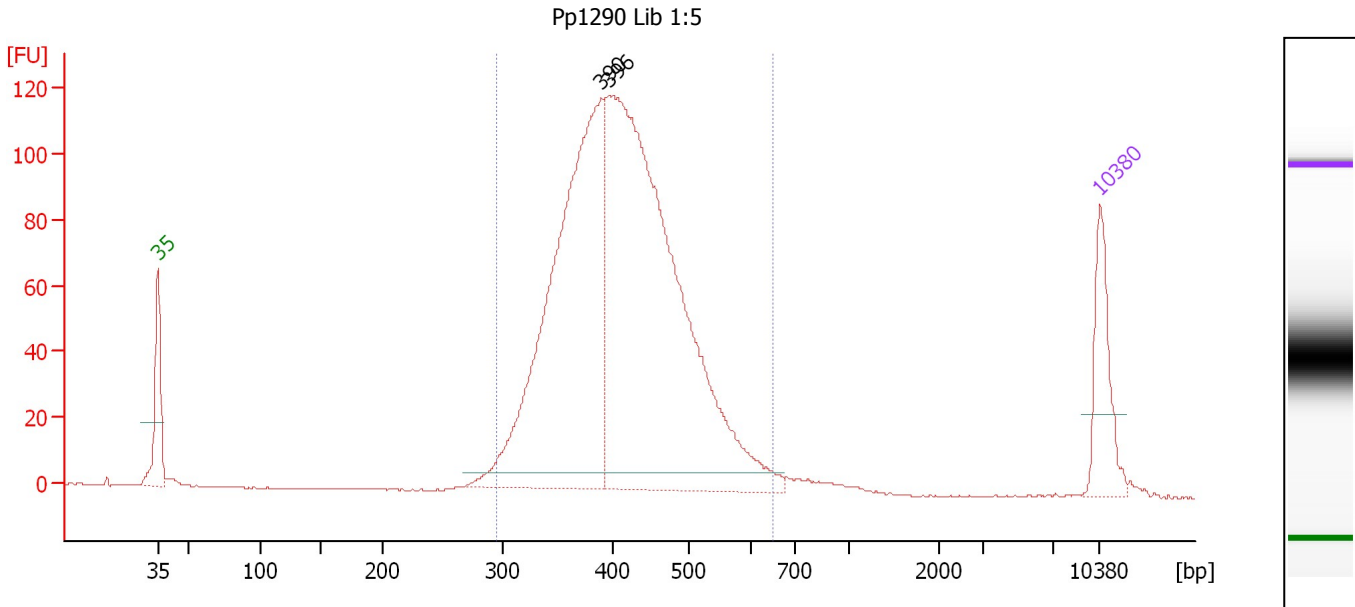
Region table for sample 7 : RspLCN11 Lib 1:11

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
294	649	430	6,450.6	1,778.43	1,717.1	96	15.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_002.xad

Created: 10/3/2013 10:59:22 AM
 Modified: 10/3/2013 11:41:01 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Pp1290 Lib 1:5

Number of peaks found: 2 Corr. Area 1: 1,620.6
 Noise: 0.1

Peak table for sample 8 : Pp1290 Lib 1:5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	390	751.84	2,921.2	
3	396	1,045.25	3,994.4	
4	10,380	75.00	10.9	Upper Marker

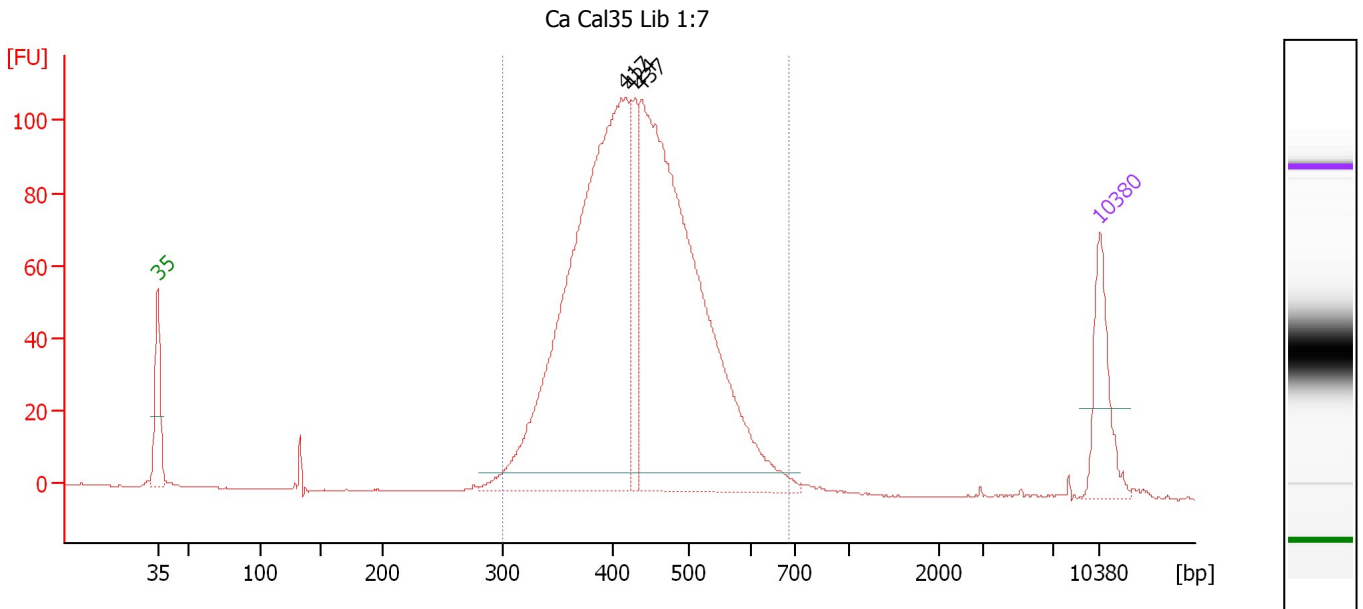
Region table for sample 8 : Pp1290 Lib 1:5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
295	650	418	6,651.3	1,782.13	1,620.6	97	15.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_002.xad

Created: 10/3/2013 10:59:22 AM
 Modified: 10/3/2013 11:41:01 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Ca Cal35 Lib 1:7

Number of peaks found: 3 Corr. Area 1: 1,482.5
 Noise: 0.1

Peak table for sample 9 : Ca Cal35 Lib 1:7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	417	908.04	3,300.0	
3	424	111.39	398.3	
4	437	895.88	3,104.2	
5	10,380	75.00	10.9	Upper Marker

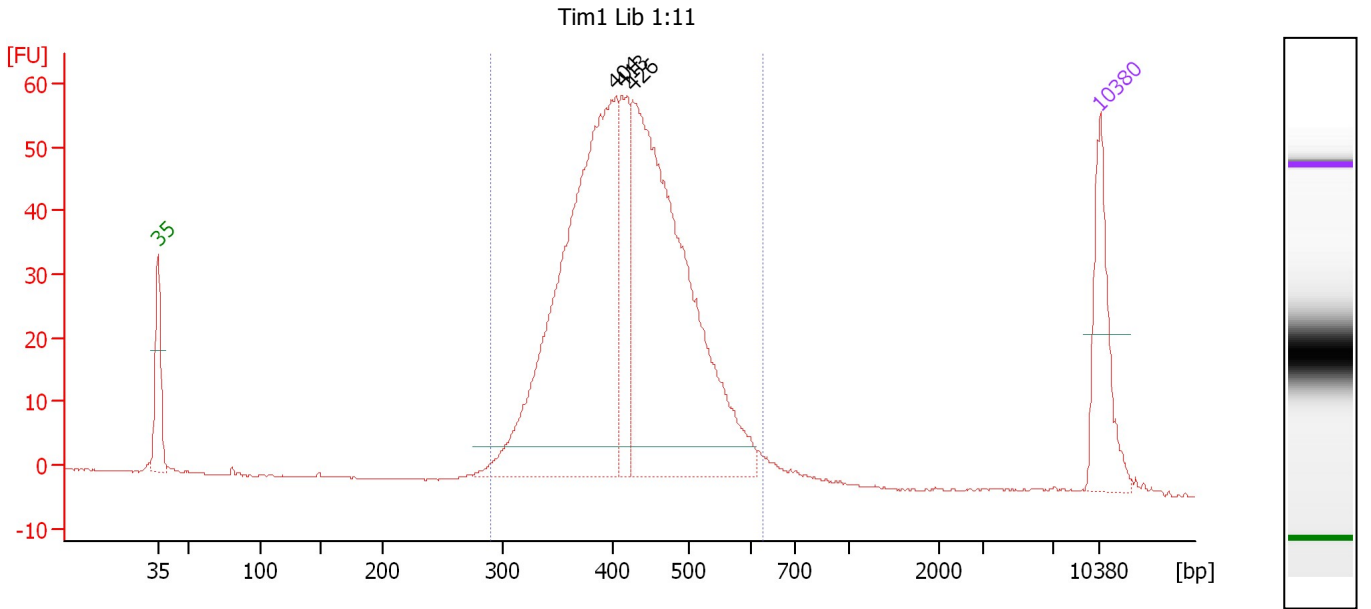
Region table for sample 9 : Ca Cal35 Lib 1:7

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
300	685	438	6,883.2	1,928.96	1,482.5	97	15.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_002.xad

Created: 10/3/2013 10:59:22 AM
 Modified: 10/3/2013 11:41:01 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Tim1 Lib 1:11

Number of peaks found: 3 Corr. Area 1: 812.1
 Noise: 0.1

Peak table for sample 10 : Tim1 Lib 1:11

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	404	608.90	2,283.1	
3	413	102.66	377.0	
4	426	580.96	2,065.0	
5	10,380	75.00	10.9	Upper Marker

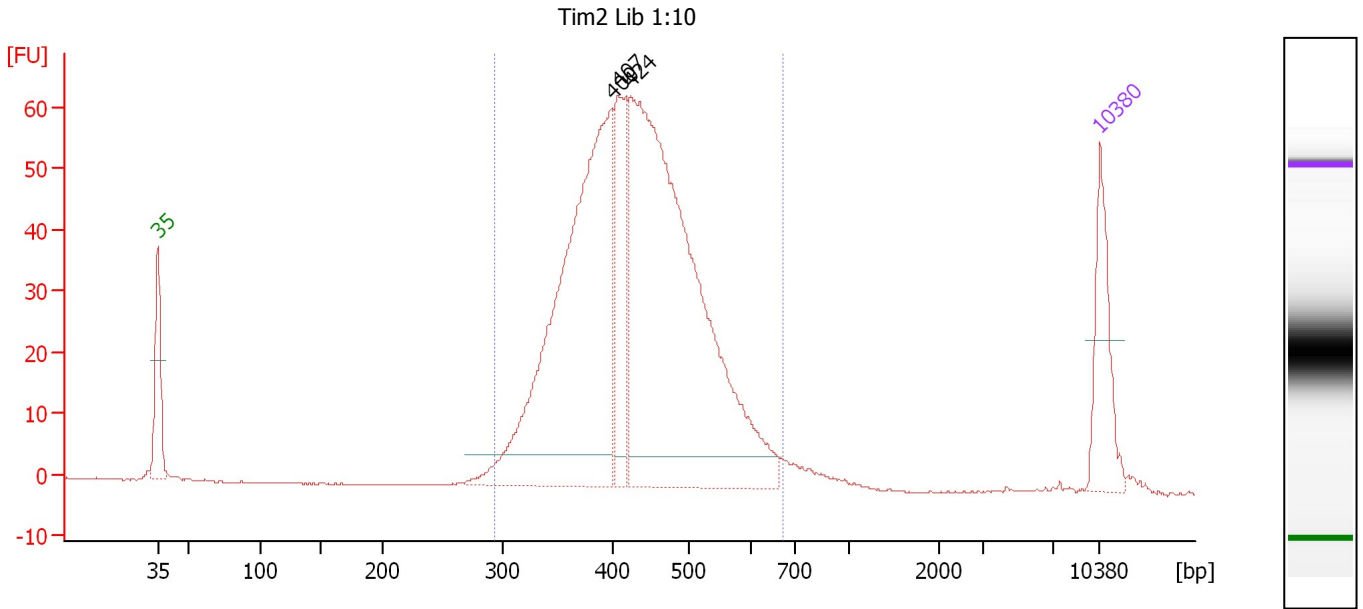
Region table for sample 10 : Tim1 Lib 1:11

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
290	626	425	4,924.4	1,342.83	812.1	97	15.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_002.xad

Created: 10/3/2013 10:59:22 AM
 Modified: 10/3/2013 11:41:01 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Tim2 Lib 1:10

Number of peaks found: 3 Corr. Area 1: 892.5
 Noise: 0.1

Peak table for sample 11 : Tim2 Lib 1:10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	400	649.28	2,460.9	
3	407	130.93	486.9	
4	424	850.57	3,041.4	
5	10,380	75.00	10.9	Upper Marker

Region table for sample 11 : Tim2 Lib 1:10

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
293	672	434	5,987.7	1,659.80	892.5	96	16.5	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_002.xad

Created: 10/3/2013 10:59:22 AM
Modified: 10/3/2013 11:41:01 AM

Gel Image

