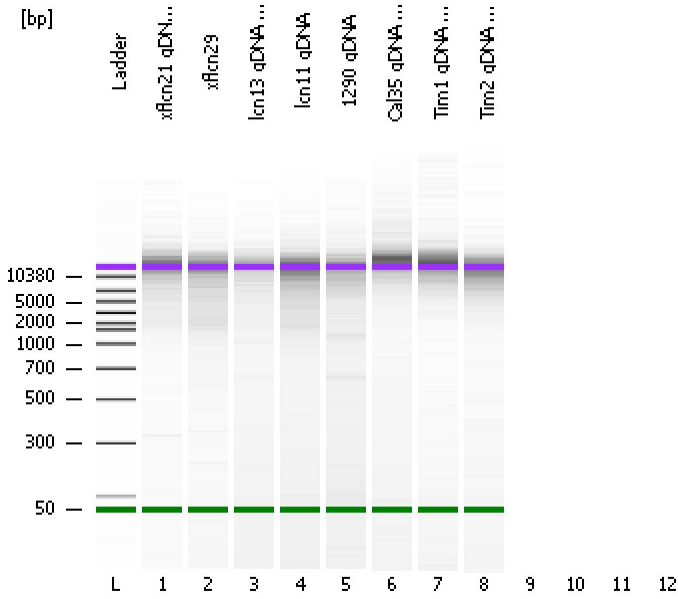


Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_003.xad

Created: 10/3/2013 1:02:13 PM
Modified: 10/3/2013 1:30:39 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\DNA 12000 Series II.xsy

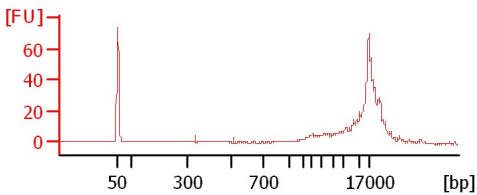
Assay Class: DNA 12000
Version: 2.4
Assay Comments: DNA Analysis 100 -12000 bp

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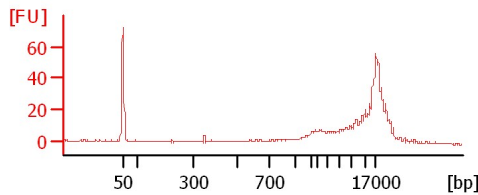
Chip Information:

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

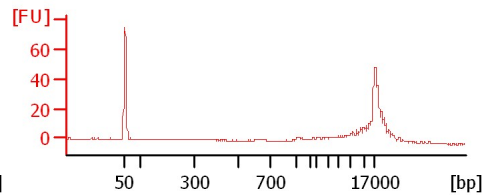
xflcn21 gDNA 1:2



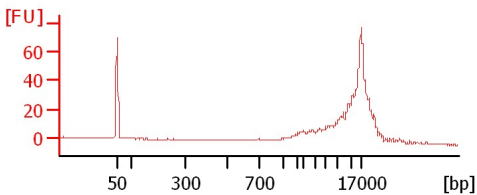
xflcn29



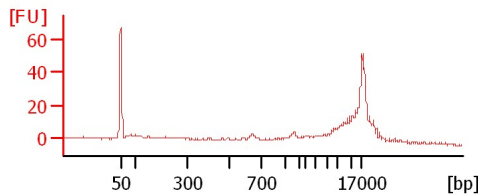
lcn13 gDNA 1:3



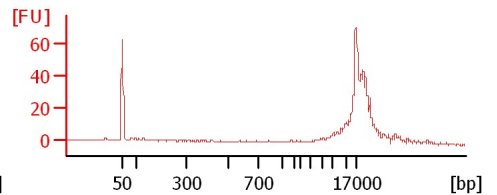
lcn11 gDNA



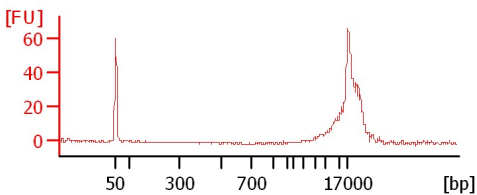
1290 gDNA



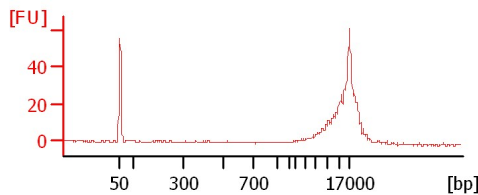
Cal35 gDNA 1:6



Tim1 gDNA 1:4



Tim2 gDNA 1:4



Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_003.xad

Created: 10/3/2013 1:02:13 PM
Modified: 10/3/2013 1:30:39 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
xflcn21 gDNA 1:2		<input type="checkbox"/>	✓			
xflcn29		<input type="checkbox"/>	✓			
lcn13 gDNA 1:3		<input type="checkbox"/>	✓			
lcn11 gDNA		<input type="checkbox"/>	✓			
1290 gDNA		<input type="checkbox"/>	✓			
Cal35 gDNA 1:6		<input type="checkbox"/>	✓			
Tim1 gDNA 1:4		<input type="checkbox"/>	✓			
Tim2 gDNA 1:4		<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: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_003.xad

Created: 10/3/2013 1:02:13 PM
Modified: 10/3/2013 1:30:39 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 20
Maximum Visible Range [s] : 99
Start Analysis Time Range [s] : 20
End Analysis Time Range [s] : 98.95
Ladder Concentration [ng/μl] : 44
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [ng/μl] : 8.3
Upper Marker Concentration [ng/μl] : 4.2
Used Upper Marker for Quantitation
This is a Qualitative Assay Only
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 20
Integration End Time [s] : 98.95
Slope Threshold : 0.8
Height Threshold [FU] : 20
Area Threshold : 0.1
Width Threshold [s] : 0.5
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

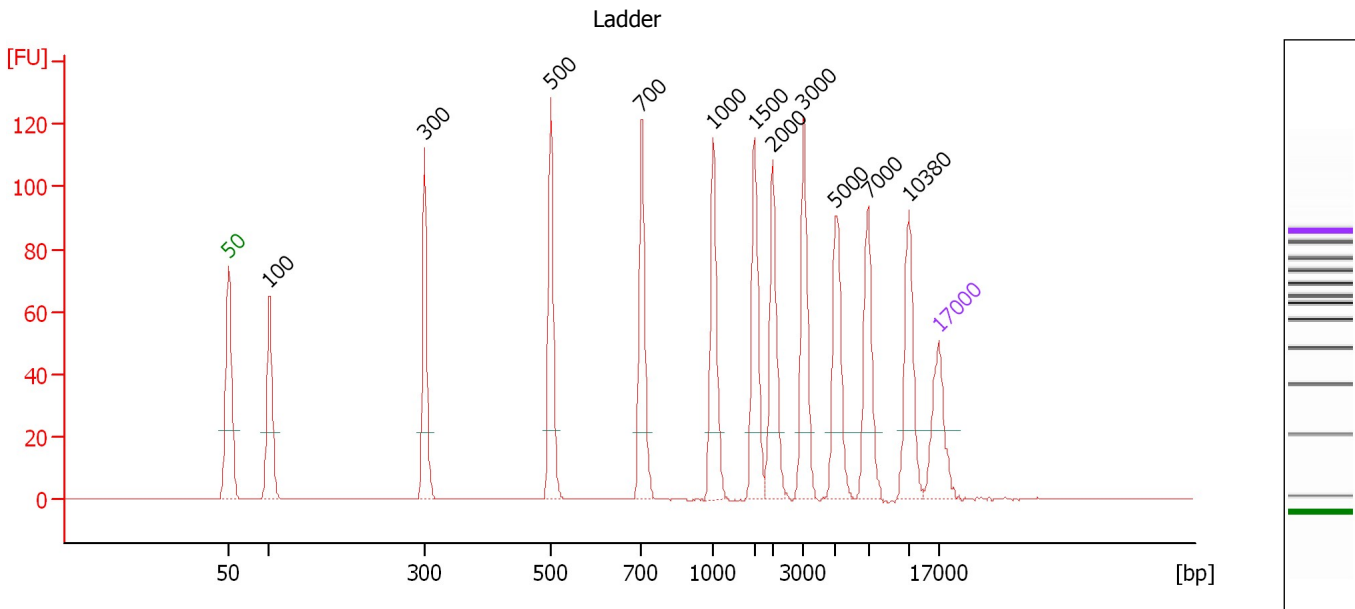
Ladder

Ladder Peak	Size	Area
1	50	120
2	100	48
3	300	61
4	500	77
5	700	81
6	1000	86
7	1500	92
8	2000	92
9	3000	96
10	5000	100
11	7000	98
12	10380	102
13	17000	110

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_003.xad

Created: 10/3/2013 1:02:13 PM
 Modified: 10/3/2013 1:30:39 PM

Electropherogram Summary



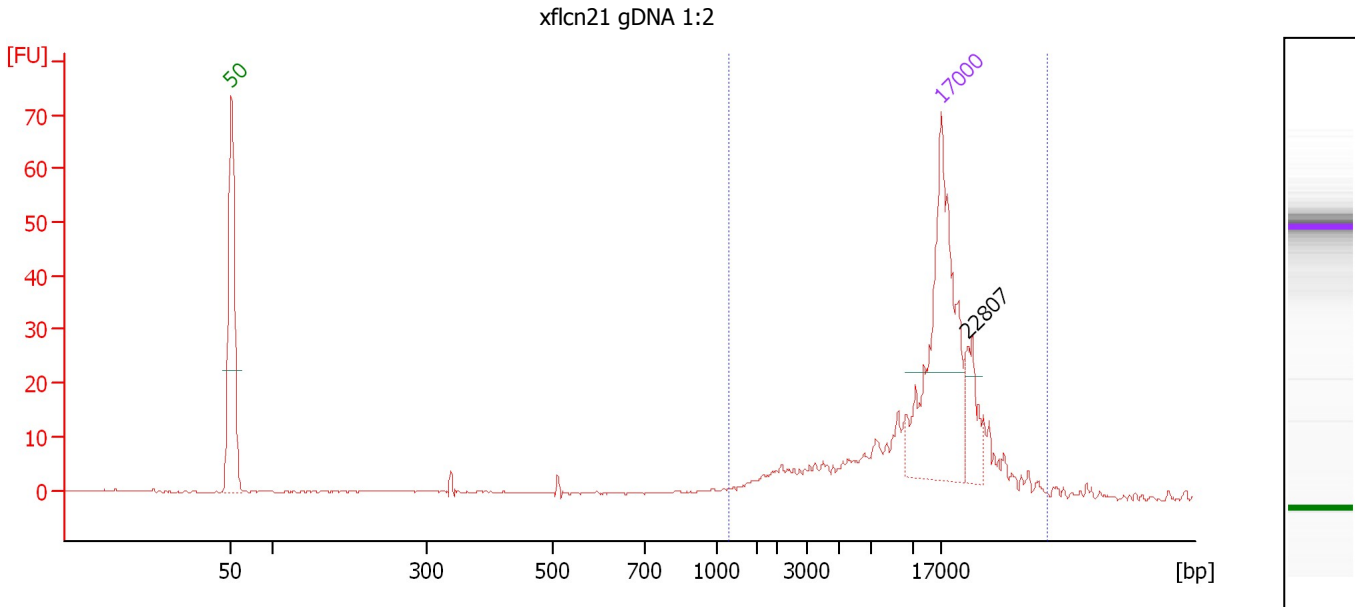
Peak table for Ladder

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	100	4.00	60.6	Ladder Peak
3	300	4.00	20.2	Ladder Peak
4	500	4.00	12.1	Ladder Peak
5	700	4.00	8.7	Ladder Peak
6	1,000	4.00	6.1	Ladder Peak
7	1,500	4.00	4.0	Ladder Peak
8	2,000	4.00	3.0	Ladder Peak
9	3,000	4.00	2.0	Ladder Peak
10	5,000	4.00	1.2	Ladder Peak
11	7,000	4.00	0.9	Ladder Peak
12	10,380	4.00	0.6	Ladder Peak
13	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_003.xad

Created: 10/3/2013 1:02:13 PM
 Modified: 10/3/2013 1:30:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : xflcn21 gDNA 1:2

Number of peaks found: 0 Area 1: 117.7

Peak table for sample 1 : xflcn21 gDNA 1:2

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker
3	22,807	0.00	0.0	

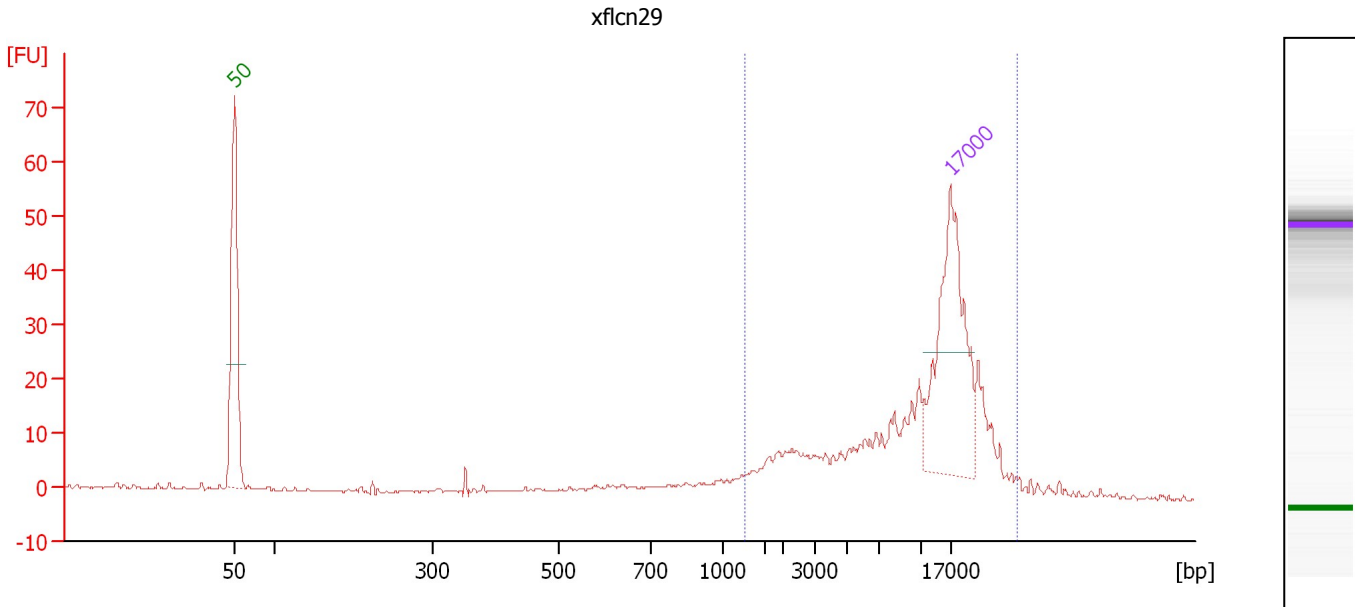
Region table for sample 1 : xflcn21 gDNA 1:2

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
1,157	40,558	15,623	4.02	117.7	50.8	92

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_003.xad

Created: 10/3/2013 1:02:13 PM
 Modified: 10/3/2013 1:30:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : xflcn29

Number of peaks found: 0 Area 1: 143.7

Peak table for sample 2 : xflcn29

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

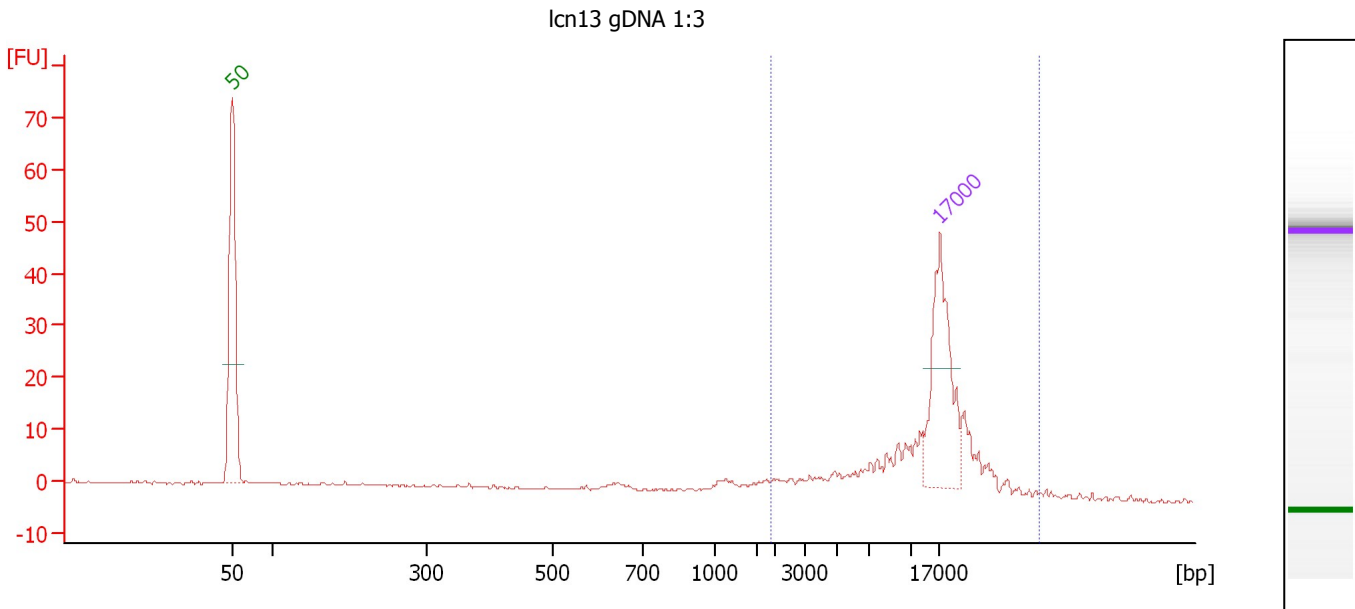
Region table for sample 2 : xflcn29

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
1,266	31,716	13,264	5.83	143.7	56.4	79

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_003.xad

Created: 10/3/2013 1:02:13 PM
 Modified: 10/3/2013 1:30:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Icn13 gDNA 1:3

Number of peaks found: 0 Area 1: 80.2

Peak table for sample 3 : Icn13 gDNA 1:3

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

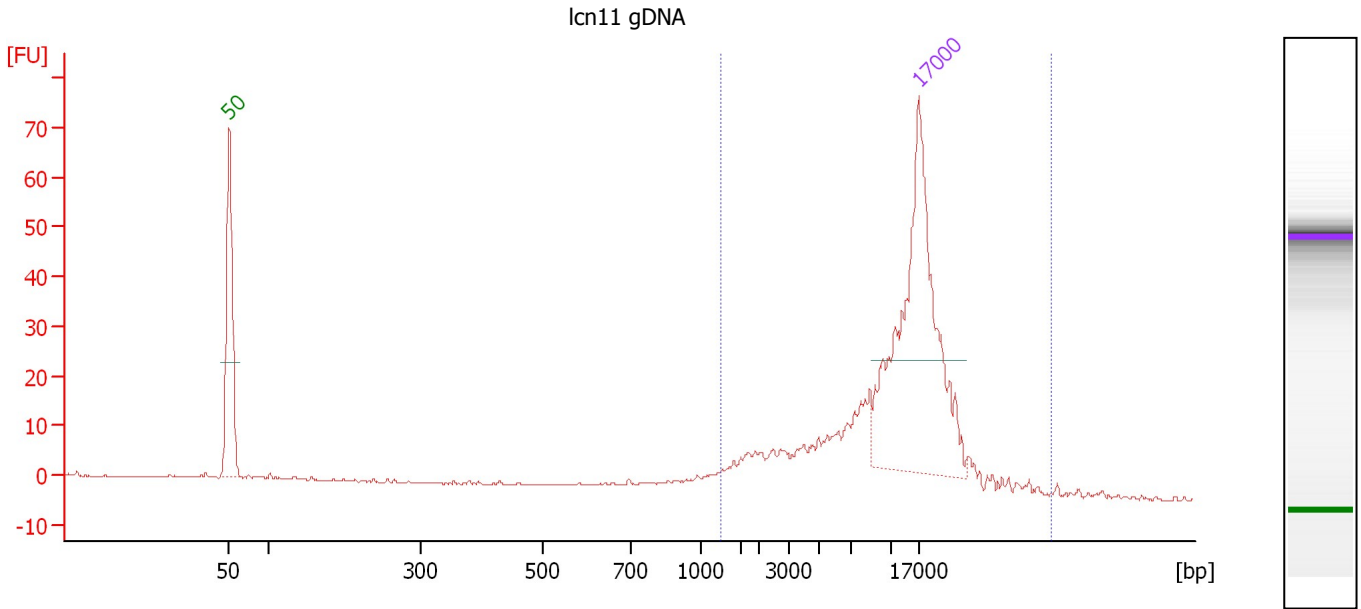
Region table for sample 3 : Icn13 gDNA 1:3

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
1,873	39,355	15,509	5.05	80.2	46.9	73

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_003.xad

Created: 10/3/2013 1:02:13 PM
 Modified: 10/3/2013 1:30:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : lcn11 gDNA

Number of peaks found: 0 Area 1: 111.3

Peak table for sample 4 : lcn11 gDNA

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

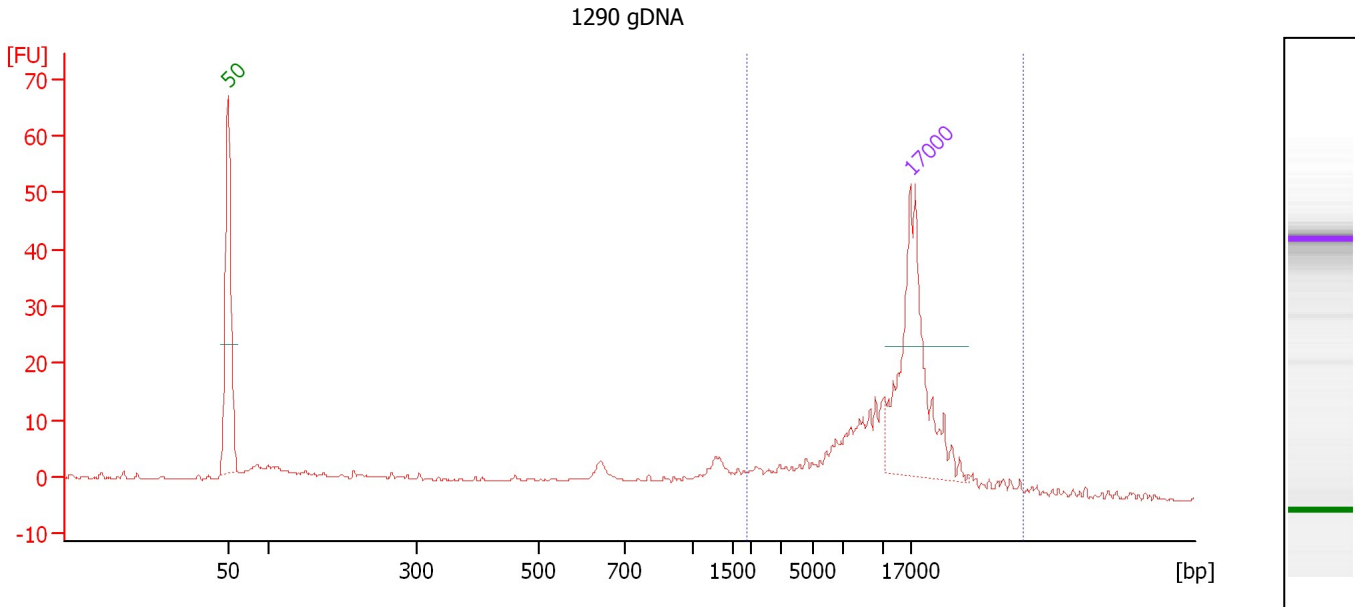
Region table for sample 4 : lcn11 gDNA

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
1,253	47,650	13,999	2.52	111.3	57.4	84

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_003.xad

Created: 10/3/2013 1:02:13 PM
 Modified: 10/3/2013 1:30:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 1290 gDNA

Number of peaks found: 0 Area 1: 77.4

Peak table for sample 5 : 1290 gDNA

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

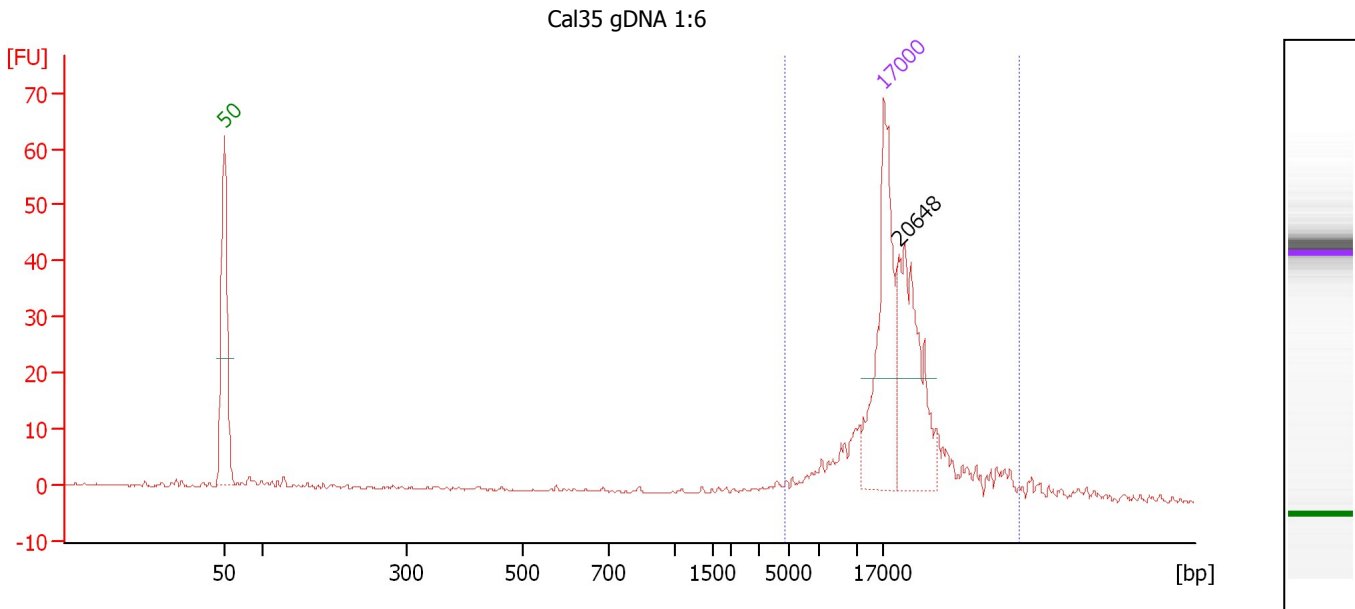
Region table for sample 5 : 1290 gDNA

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
1,847	43,671	14,956	3.63	77.4	53.3	58

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_003.xad

Created: 10/3/2013 1:02:13 PM
 Modified: 10/3/2013 1:30:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Cal35 gDNA 1:6

Number of peaks found: 0 Area 1: 141.3

Peak table for sample 6 : Cal35 gDNA 1:6

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker
3	20,648	0.00	0.0	

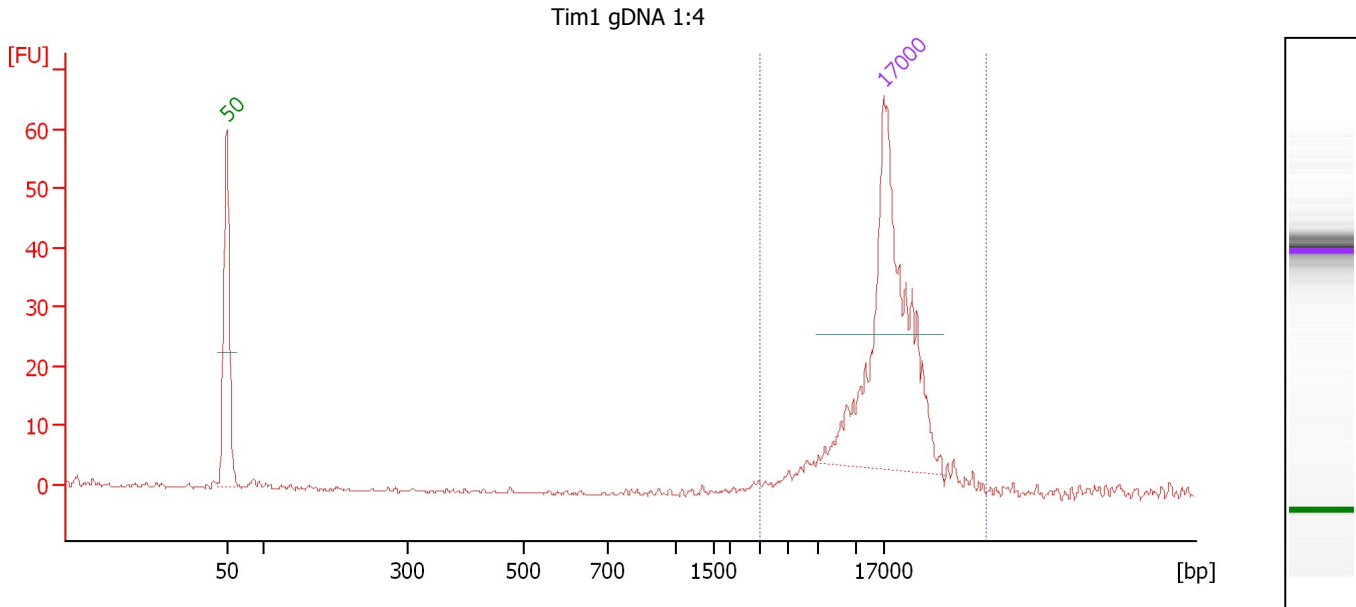
Region table for sample 6 : Cal35 gDNA 1:6

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
4,794	49,852	20,834	6.77	141.3	41.0	83

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_003.xad

Created: 10/3/2013 1:02:13 PM
 Modified: 10/3/2013 1:30:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Tim1 gDNA 1:4

Number of peaks found: 0 Area 1: 18.1

Peak table for sample 7 : Tim1 gDNA 1:4

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

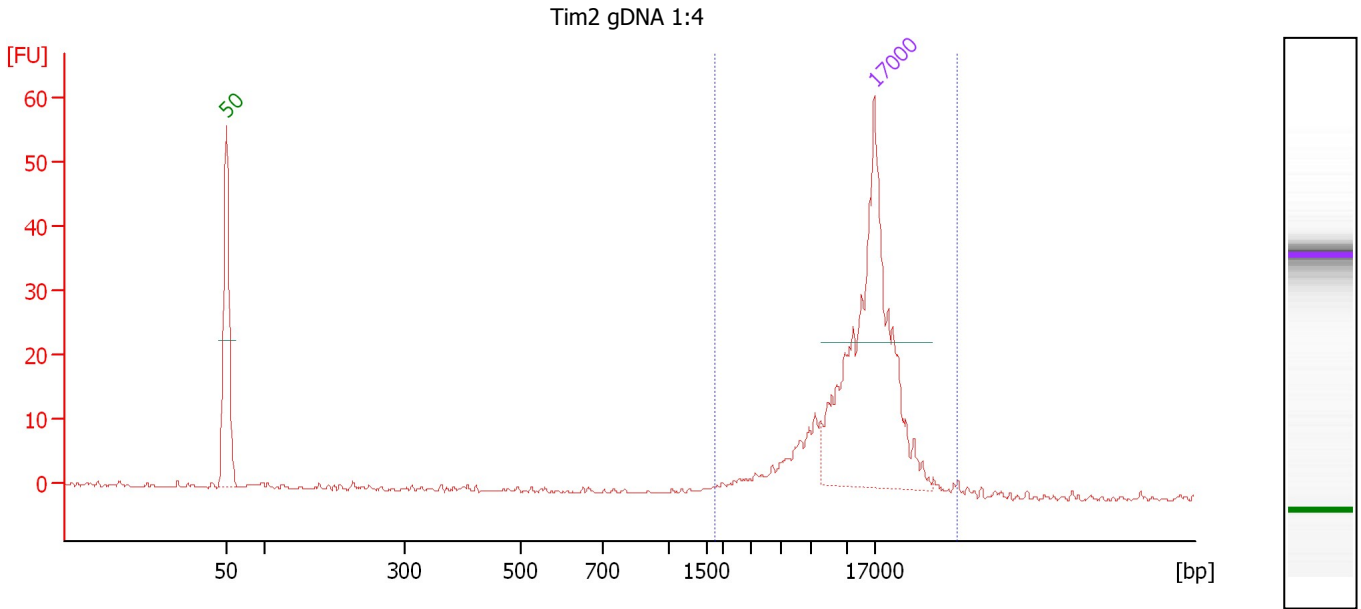
Region table for sample 7 : Tim1 gDNA 1:4

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
3,123	41,858	18,049	0.47	18.1	38.4	57

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_003.xad

Created: 10/3/2013 1:02:13 PM
 Modified: 10/3/2013 1:30:39 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Tim2 gDNA 1:4

Number of peaks found: 0 Area 1: 34.4

Peak table for sample 8 : Tim2 gDNA 1:4

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

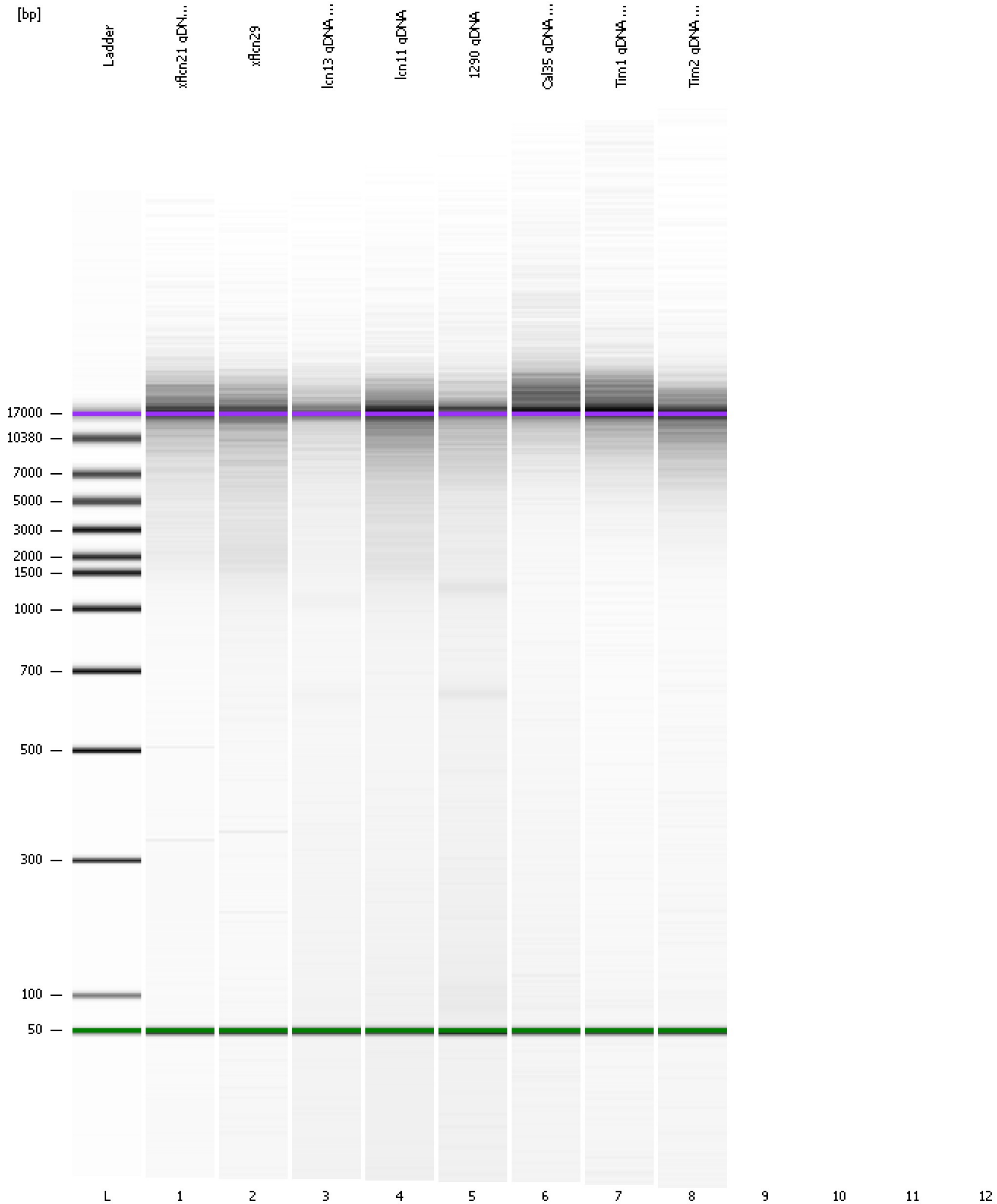
Region table for sample 8 : Tim2 gDNA 1:4

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
1,737	37,536	14,716	0.99	34.4	43.8	81

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_003.xad

Created: 10/3/2013 1:02:13 PM
Modified: 10/3/2013 1:30:39 PM

Gel Image



Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-10-03\2013-10-03_003.xad

Created: 10/3/2013 1:02:13 PM
Modified: 10/3/2013 1:30:39 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.

Sample 12 has not been run, no results available.