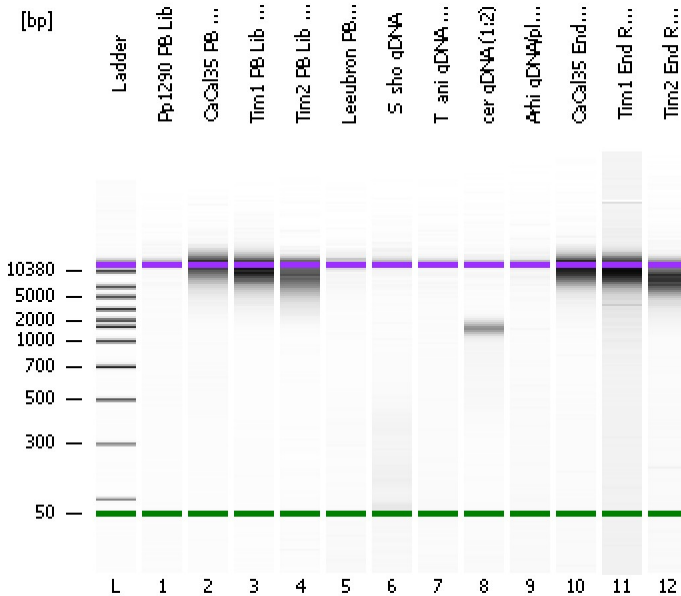


Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-20\2013-11-20_001.xad

Created: 11/20/2013 11:16:37 AM
 Modified: 11/20/2013 11:58:32 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\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 #:

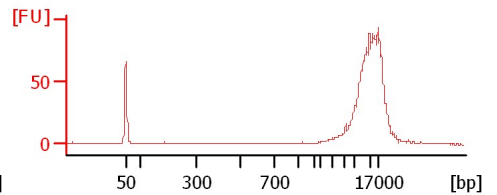
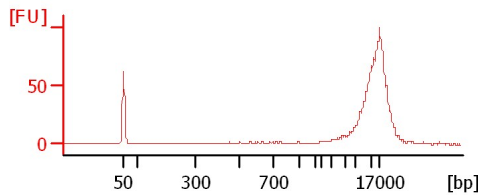
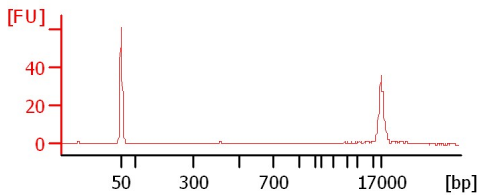
Reagent Kit Lot #:

Chip Comments:

Pp1290 PB Lib

CaCal35 PB Lib (1:2)

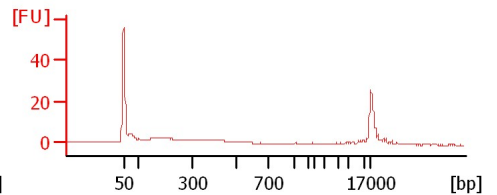
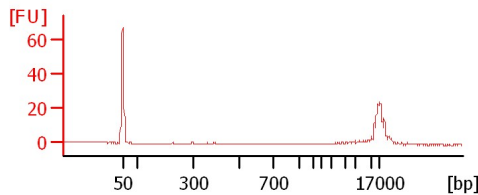
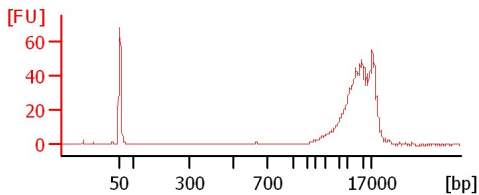
Tim1 PB Lib (1:2)



Tim2 PB Lib (1:2)

Leeubron PB 5kb Lib (1:2)

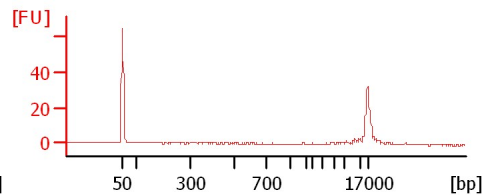
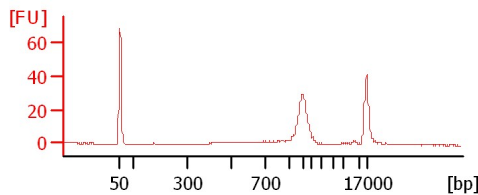
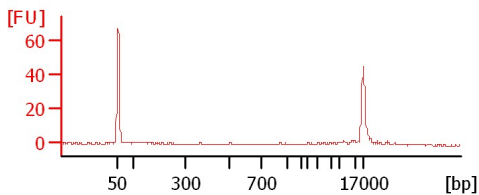
S_sho qDNA



T_ani qDNA (1:10)

cer qDNA (1:2)

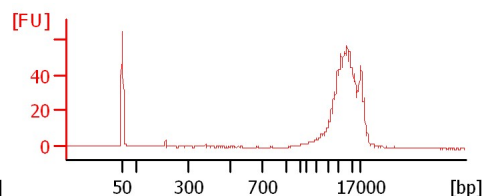
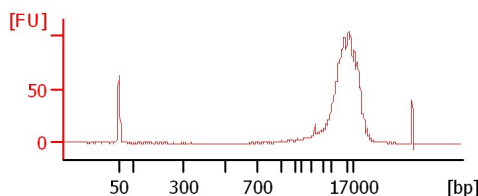
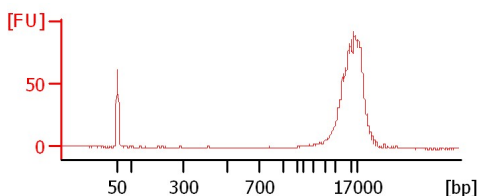
Arhi qDNA/plasmid (1:10)



CaCal35 End Repair (1:2)

Tim1 End Repair (1:2)

Tim2 End Repair (1:2)



Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-20\2013-11-20_001.xad

Created: 11/20/2013 11:16:37 AM
Modified: 11/20/2013 11:58:32 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Pp1290 PB Lib		<input type="checkbox"/>	✓			
CaCal35 PB Lib (1:2)		<input type="checkbox"/>	✓			
Tim1 PB Lib (1:2)		<input type="checkbox"/>	✓			
Tim2 PB Lib (1:2)		<input type="checkbox"/>	✓			
Leeubron PB 5kb Lib (1:2)		<input type="checkbox"/>	✓			
S_sho gDNA		<input type="checkbox"/>	✓			
T_ani gDNA (1:10)		<input type="checkbox"/>	✓			
cer gDNA (1:2)		<input type="checkbox"/>	✓			
Arhi gDNA/plasmid (1:10)		<input type="checkbox"/>	✓			
CaCal35 End Repair (1:2)		<input type="checkbox"/>	✓			
Tim1 End Repair (1:2)		<input type="checkbox"/>	✓			
Tim2 End Repair (1:2)		<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\2013-11-20\2013-11-20_001.xad

Created: 11/20/2013 11:16:37 AM
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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

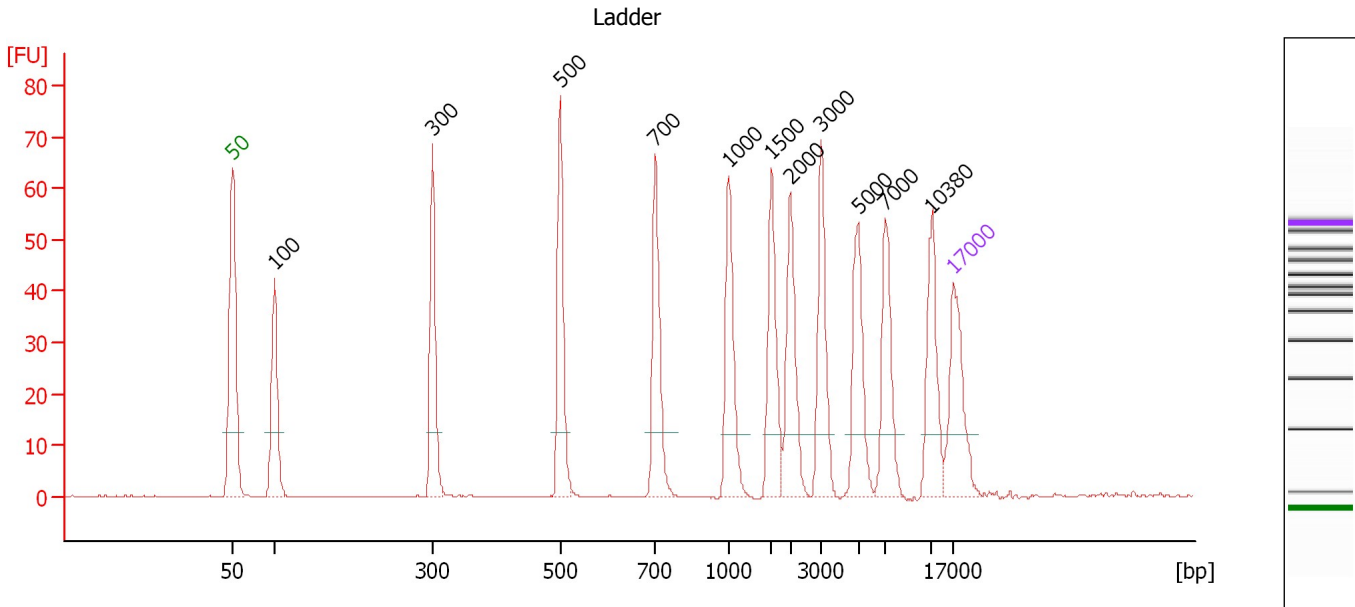
Ladder

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\2013-11-20\2013-11-20_001.xad

Created: 11/20/2013 11:16:37 AM
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Electropherogram Summary



Peak table for Ladder

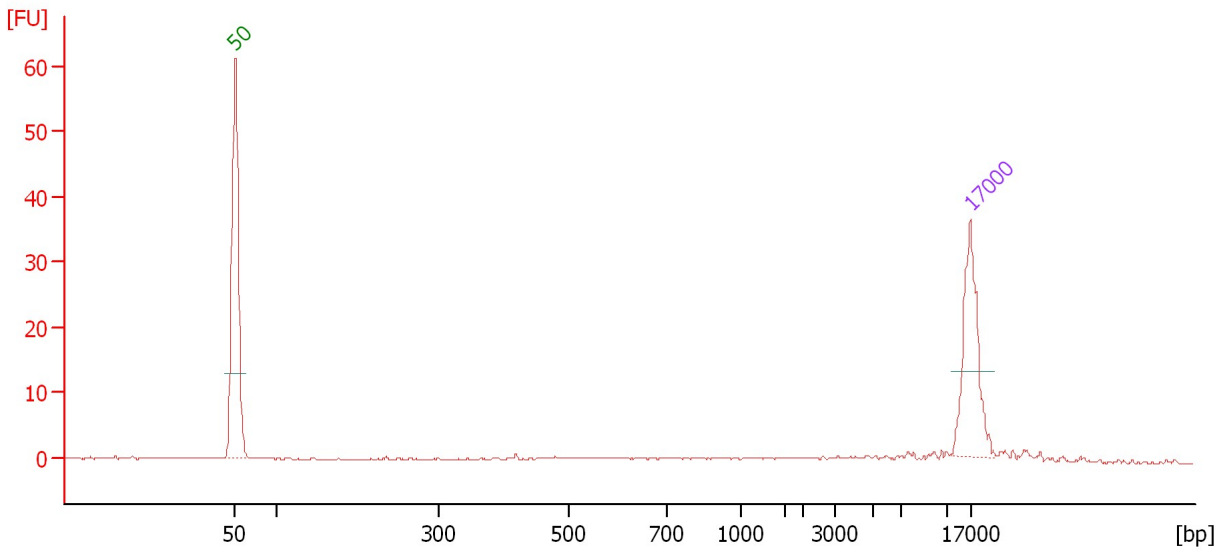
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	100	4.00	60.6	Ladder Peak
3	300	4.00	20.2	Ladder Peak
4	500	4.00	12.1	Ladder Peak
5	700	4.00	8.7	Ladder Peak
6	1,000	4.00	6.1	Ladder Peak
7	1,500	4.00	4.0	Ladder Peak
8	2,000	4.00	3.0	Ladder Peak
9	3,000	4.00	2.0	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\2013-11-20\2013-11-20_001.xad

Created: 11/20/2013 11:16:37 AM
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Electropherogram Summary Continued ...

Pp1290 PB Lib



Overall Results for sample 1 : Pp1290 PB Lib

Number of peaks found: 0

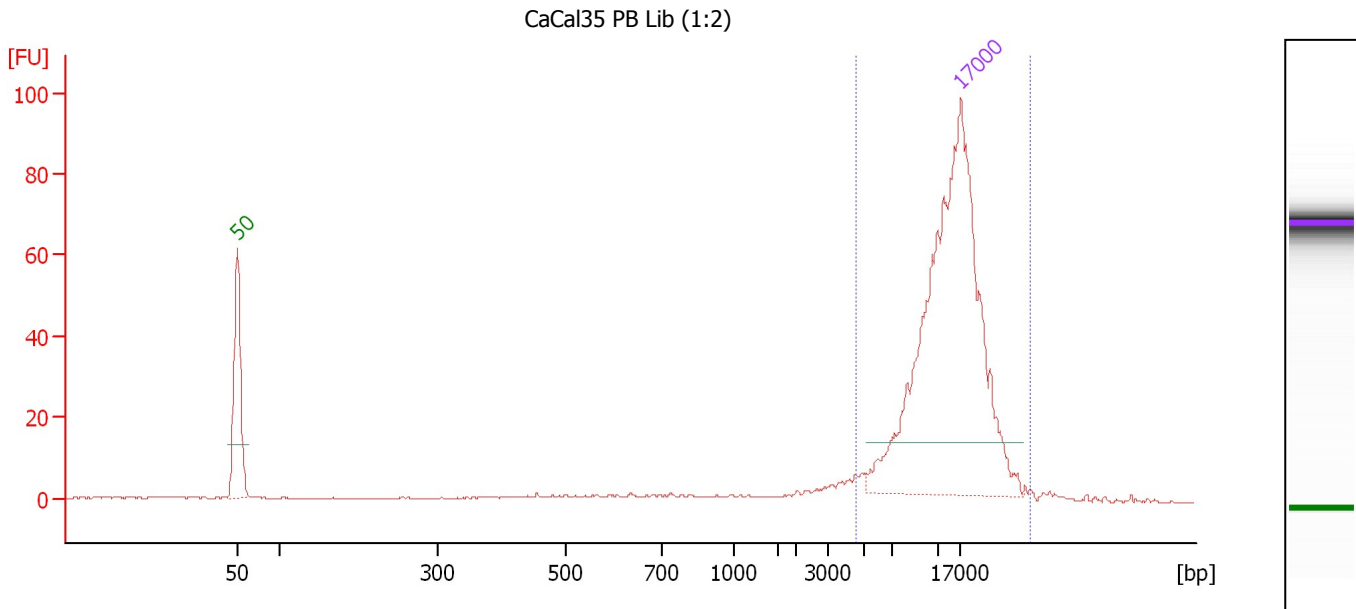
Peak table for sample 1 : Pp1290 PB Lib

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

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-20\2013-11-20_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : CaCal35 PB Lib (1:2)

Number of peaks found: 0 Area 1: 6.0

Peak table for sample 2 : CaCal35 PB Lib (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

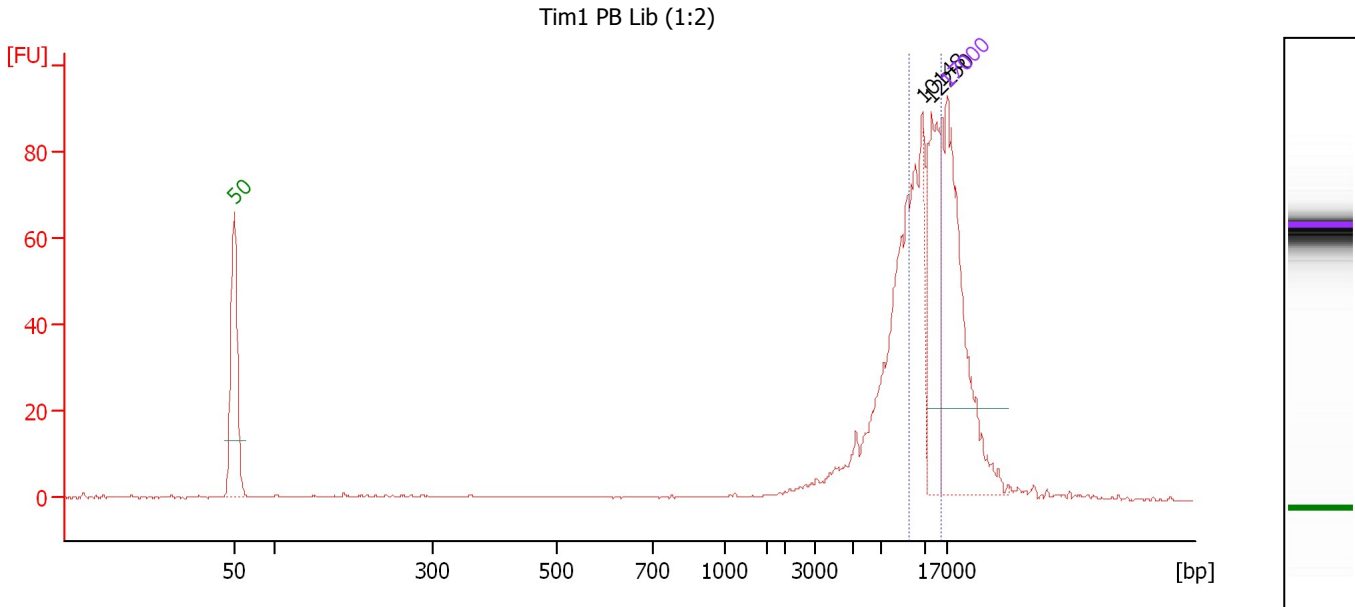
Region table for sample 2 : CaCal35 PB Lib (1:2)

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
4,587	37,972	15,252	0.07	6.0	43.0	10

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-20\2013-11-20_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : Tim1 PB Lib (1:2)

Number of peaks found: 2 Area 1: 177.6

Peak table for sample 3 : Tim1 PB Lib (1:2)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,148	0.24	0.0	
3	12,250	2.11	0.3	
4	17,000	4.20	0.4	Upper Marker

Region table for sample 3 : Tim1 PB Lib (1:2)

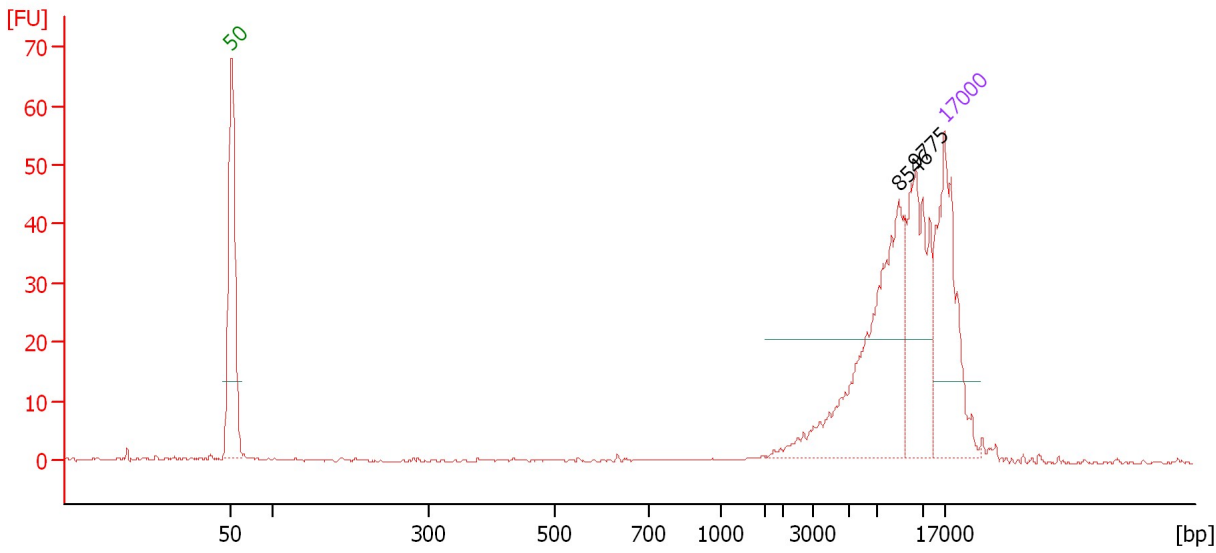
From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
9,156	15,299	11,256	4.72	177.6	16.2	50

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-20\2013-11-20_001.xad

Created: 11/20/2013 11:16:37 AM
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Electropherogram Summary Continued ...

Tim2 PB Lib (1:2)



Overall Results for sample 4 : Tim2 PB Lib (1:2)

Number of peaks found: 2

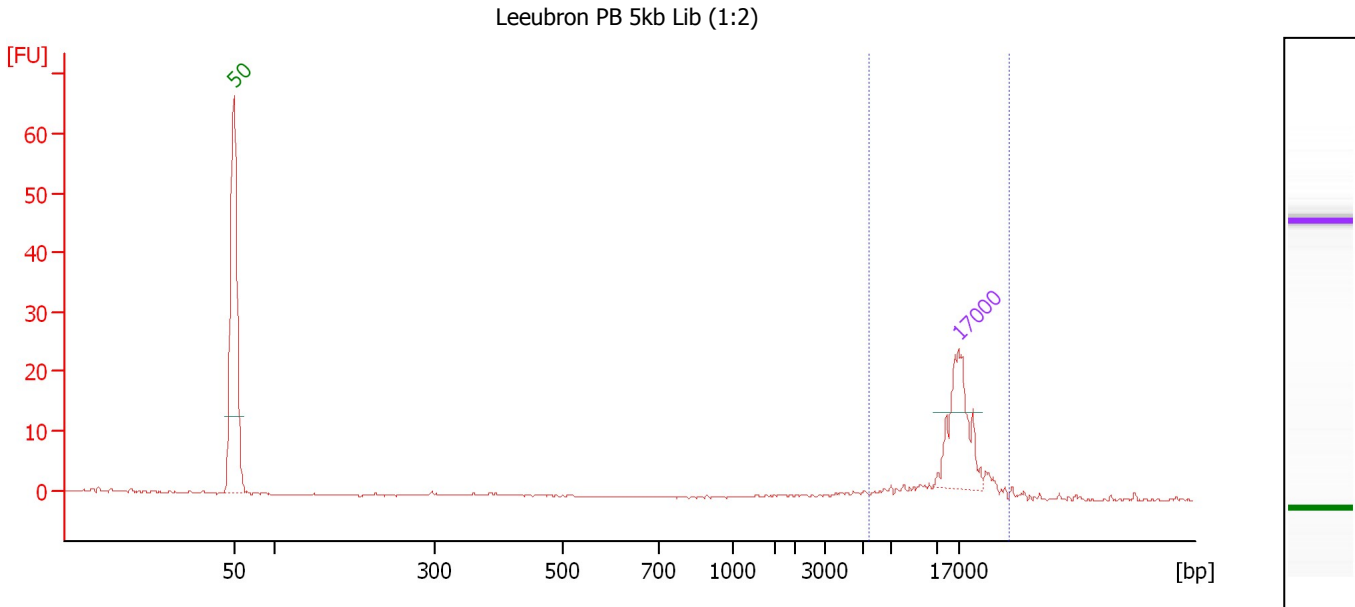
Peak table for sample 4 : Tim2 PB Lib (1:2)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	8,547	6.99	1.2	
3	9,775	3.91	0.6	
4	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-20\2013-11-20_001.xad

Created: 11/20/2013 11:16:37 AM
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Electropherogram Summary Continued ...



Overall Results for sample 5 : Leeubron PB 5kb Lib (1:2)

Number of peaks found: 0 Area 1: 10.9

Peak table for sample 5 : Leeubron PB 5kb Lib (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

Region table for sample 5 : Leeubron PB 5kb Lib (1:2)

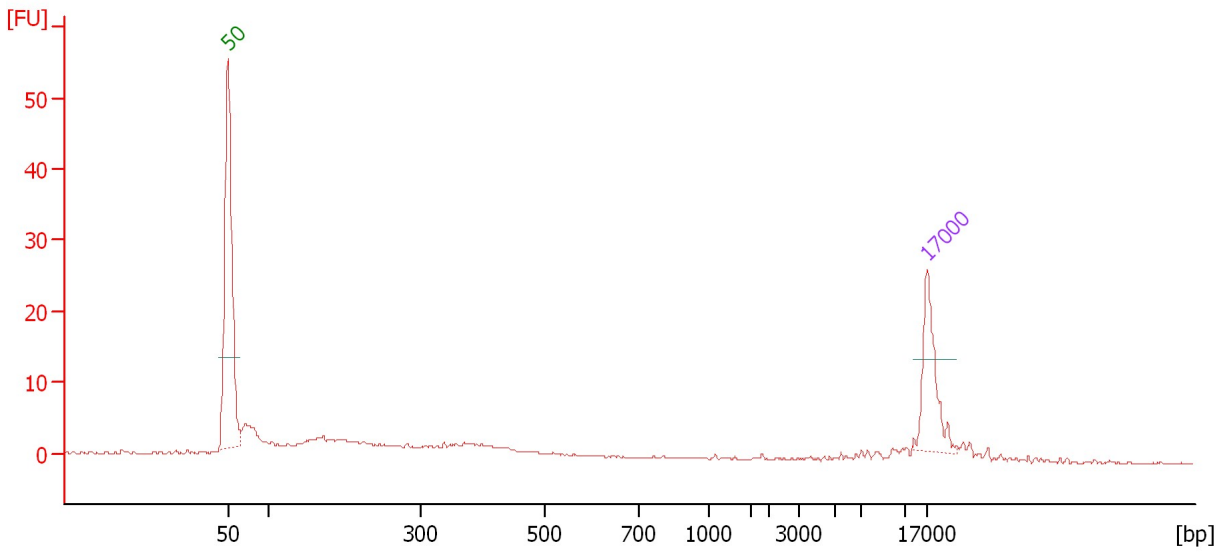
From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
5,512	31,713	16,726	1.27	10.9	30.2	61

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-20\2013-11-20_001.xad

Created: 11/20/2013 11:16:37 AM
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Electropherogram Summary Continued ...

S_sho gDNA



Overall Results for sample 6 : S_sho gDNA

Number of peaks found: 0

Peak table for sample 6 : S_sho gDNA

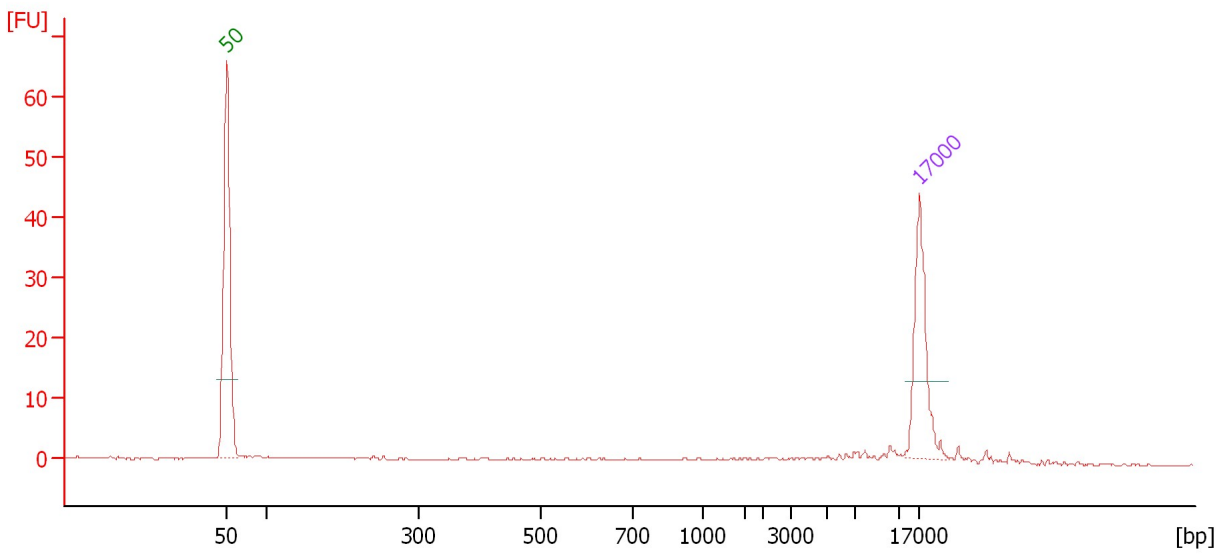
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-20\2013-11-20_001.xad

Created: 11/20/2013 11:16:37 AM
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Electropherogram Summary Continued ...

T_ani gDNA (1:10)



Overall Results for sample 7 : T_ani gDNA (1:10)

Number of peaks found: 0

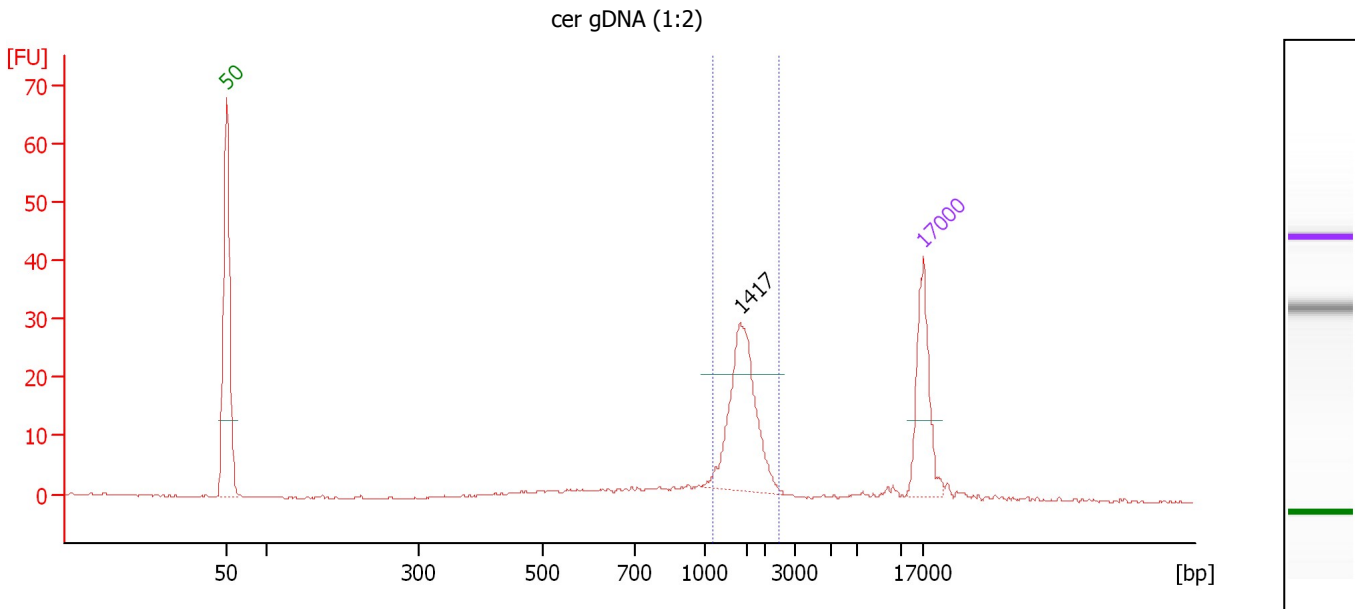
Peak table for sample 7 : T_ani gDNA (1:10)

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

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-20\2013-11-20_001.xad

Created: 11/20/2013 11:16:37 AM
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Electropherogram Summary Continued ...



Overall Results for sample 8 : cer gDNA (1:2)

Number of peaks found: 1 Area 1: 66.1

Peak table for sample 8 : cer gDNA (1:2)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	1,417	7.37	7.9	
3	17,000	4.20	0.4	Upper Marker

Region table for sample 8 : cer gDNA (1:2)

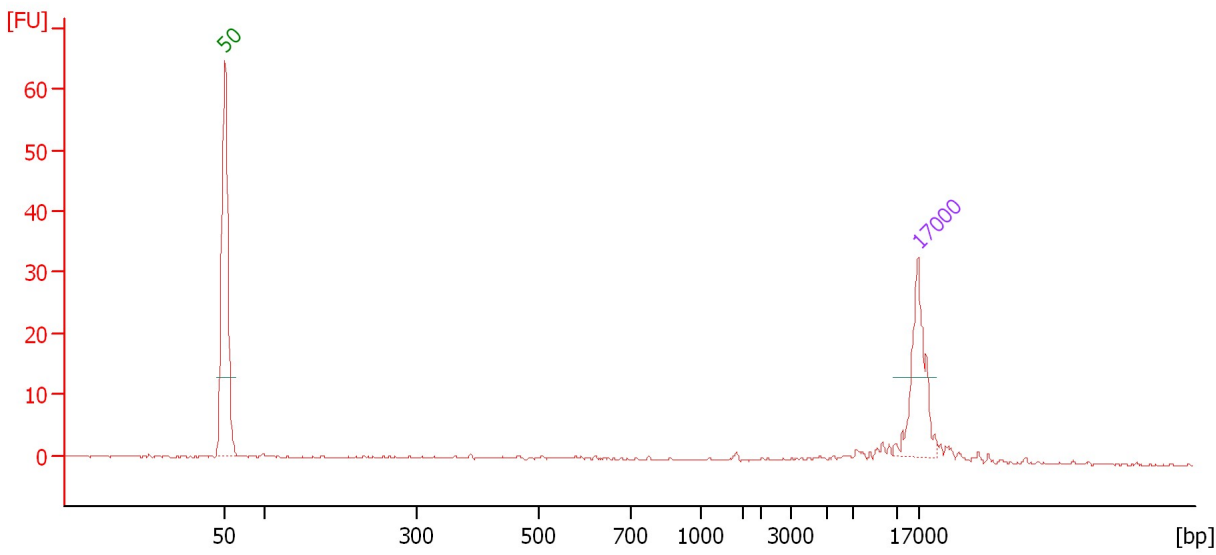
From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
1,085	2,504	1,514	8.00	66.1	17.1	66

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-20\2013-11-20_001.xad

Created: 11/20/2013 11:16:37 AM
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Electropherogram Summary Continued ...

Arhi gDNA/plasmid (1:10)



Overall Results for sample 9 : Arhi gDNA/plasmid (1:10)

Number of peaks found: 0

Peak table for sample 9 : Arhi gDNA/plasmid (1:10)

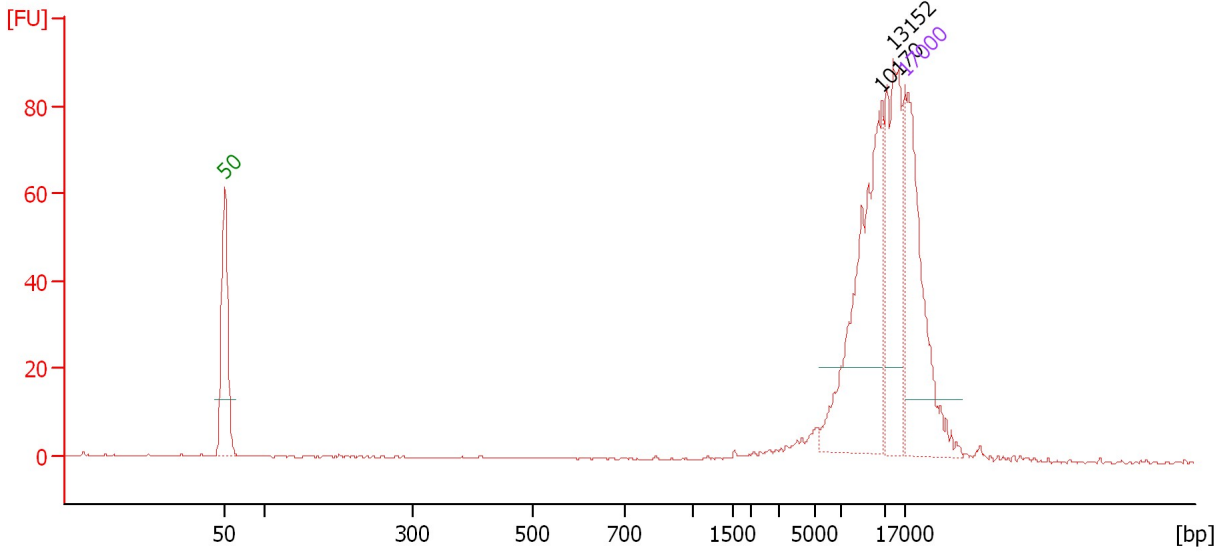
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-20\2013-11-20_001.xad

Created: 11/20/2013 11:16:37 AM
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Electropherogram Summary Continued ...

CaCal35 End Repair (1:2)



Overall Results for sample 10 : CaCal35 End Repair (1:2)

Number of peaks found: 2

Peak table for sample 10 : CaCal35 End Repair (1:2)

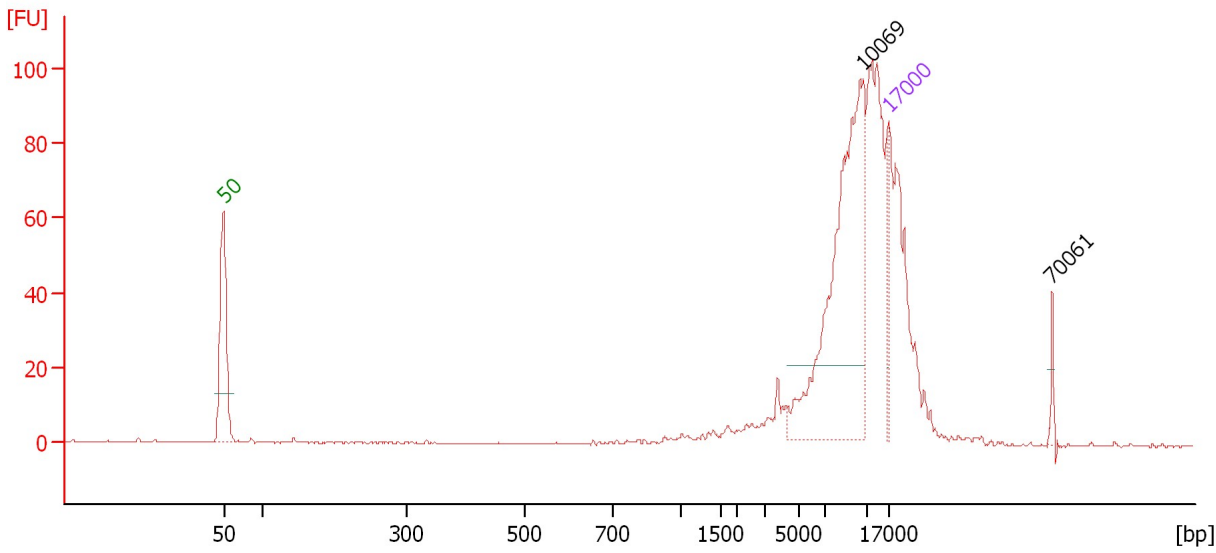
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,170	6.07	0.9	
3	13,152	3.70	0.4	
4	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-20\2013-11-20_001.xad

Created: 11/20/2013 11:16:37 AM
 Modified: 11/20/2013 11:58:32 AM

Electropherogram Summary Continued ...

Tim1 End Repair (1:2)



Overall Results for sample 11 : Tim1 End Repair (1:2)

Number of peaks found: 1

Peak table for sample 11 : Tim1 End Repair (1:2)

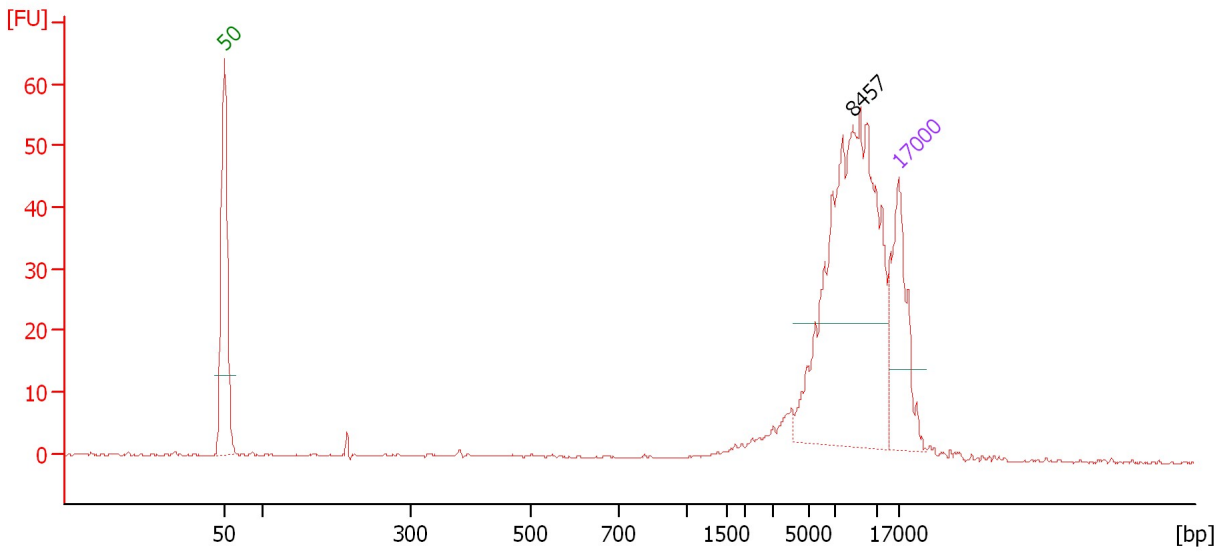
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,069	83.58	12.6	
3	17,000	4.20	0.4	Upper Marker
4	70,061	0.00	0.0	

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-20\2013-11-20_001.xad

Created: 11/20/2013 11:16:37 AM
Modified: 11/20/2013 11:58:32 AM

Electropherogram Summary Continued ...

Tim2 End Repair (1:2)



Overall Results for sample 12 : Tim2 End Repair (1:2)

Number of peaks found: 1

Peak table for sample 12 : Tim2 End Repair (1:2)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	8,457	18.50	3.3	
3	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-20\2013-11-20_001.xad

Created: 11/20/2013 11:16:37 AM
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Gel Image

