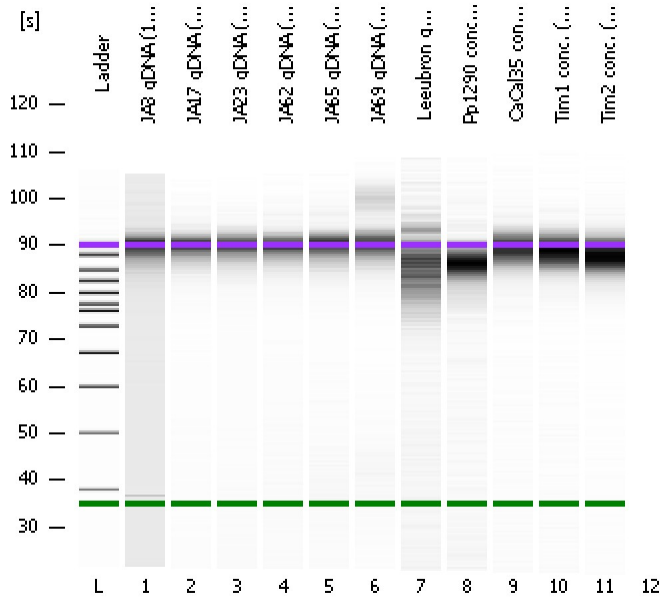


Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-01\2013-11-01_004.xad

Created: 11/1/2013 12:29:34 PM
Modified: 11/1/2013 1:09:22 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

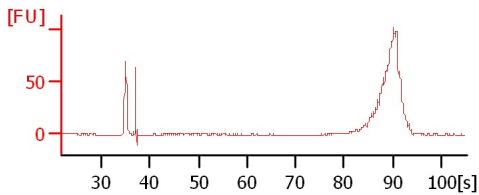
Assay Class: DNA 12000
Version: 2.4
Assay Comments: DNA Analysis 100 -12000 bp

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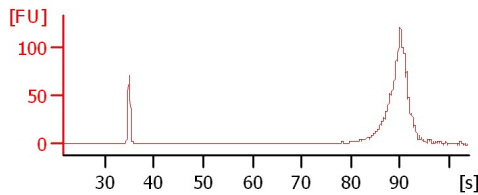
Chip Information:

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

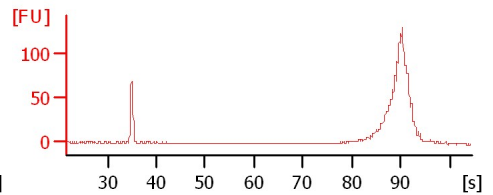
JA3 gDNA (1:2)



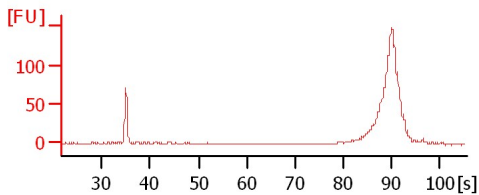
JA17 gDNA (1:2)



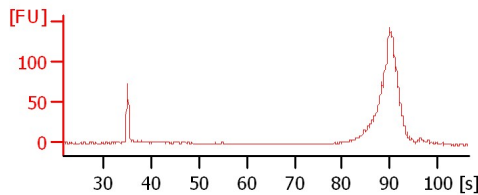
JA23 gDNA (1:2)



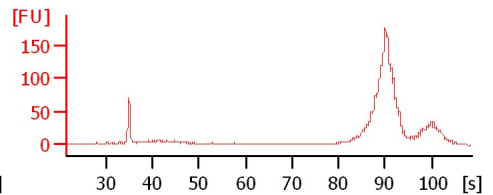
JA62 gDNA (1:2)



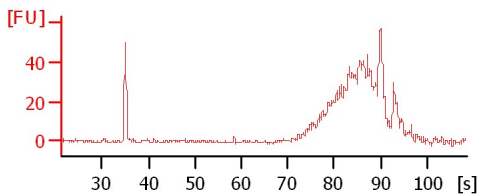
JA65 gDNA (1:2)



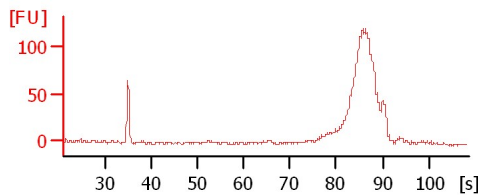
JA69 gDNA (1:2)



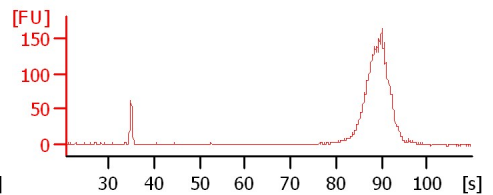
Leeubron gDNA (1:2)



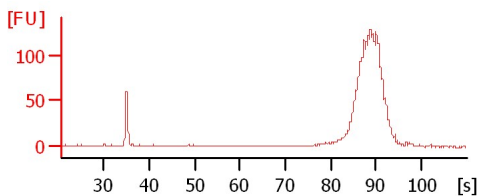
Pp1290 conc. (1:3)



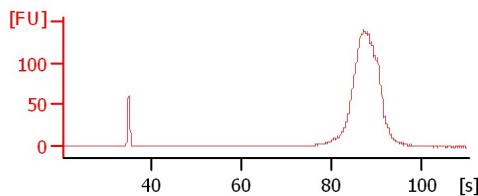
CaCal35 conc. (1:3)



Tim1 conc. (1:3)



Tim2 conc. (1:3)



Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-01\2013-11-01_004.xad

Created: 11/1/2013 12:29:34 PM
Modified: 11/1/2013 1:09:22 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
JA3 gDNA (1:2)		<input type="checkbox"/>	✓			
JA17 gDNA (1:2)		<input type="checkbox"/>	✓			
JA23 gDNA (1:2)		<input type="checkbox"/>	✓			
JA62 gDNA (1:2)		<input type="checkbox"/>	✓			
JA65 gDNA (1:2)		<input type="checkbox"/>	✓			
JA69 gDNA (1:2)		<input type="checkbox"/>	✓			
Leeubron gDNA (1:2)		<input type="checkbox"/>	✓			
Pp1290 conc. (1:3)		<input type="checkbox"/>	✓			
CaCal35 conc. (1:3)		<input type="checkbox"/>	✓			
Tim1 conc. (1:3)		<input type="checkbox"/>	✓			
Tim2 conc. (1:3)		<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\2013-11-01\2013-11-01_004.xad

Created: 11/1/2013 12:29:34 PM
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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

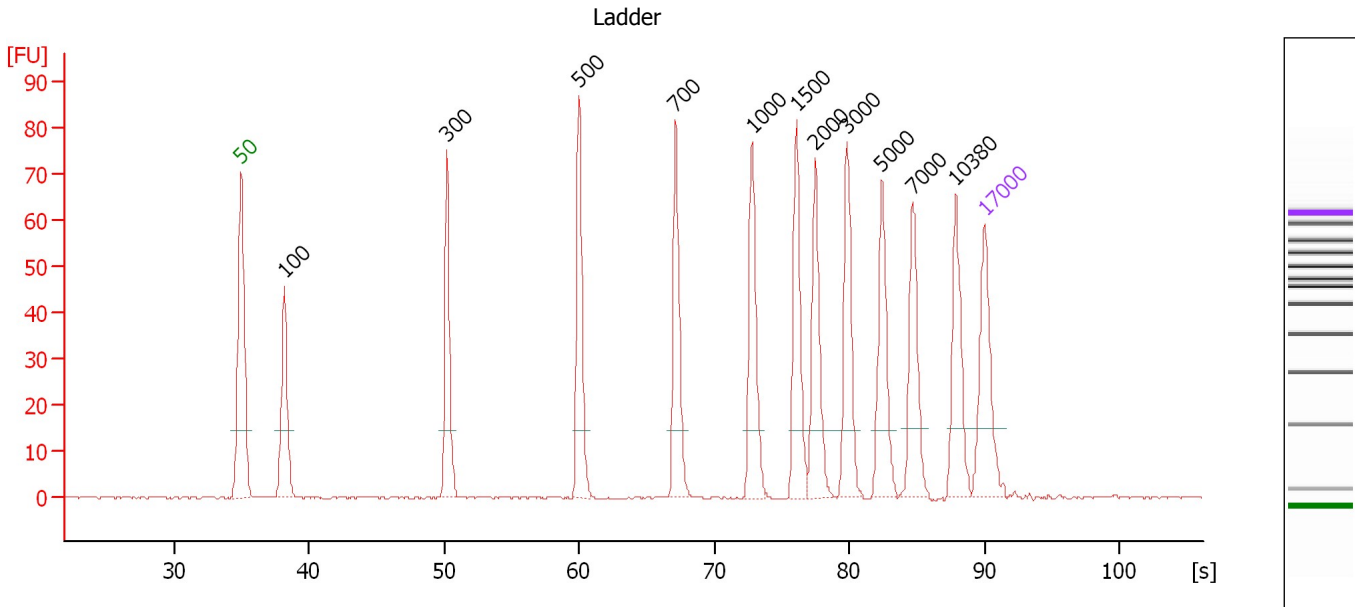
Ladder

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\2013-11-01\2013-11-01_004.xad

Created: 11/1/2013 12:29:34 PM
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Electropherogram Summary



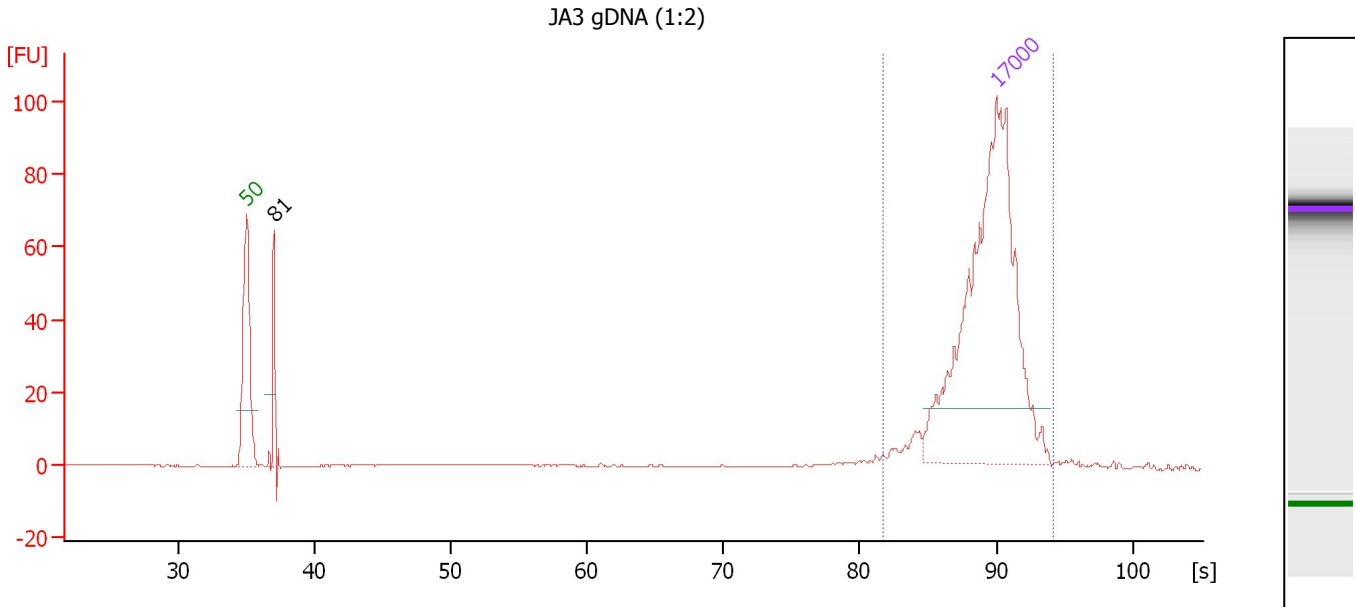
Peak table for Ladder

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\2013-11-01\2013-11-01_004.xad

Created: 11/1/2013 12:29:34 PM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : JA3 gDNA (1:2)

Number of peaks found: 1 Area 1: 16.3

Peak table for sample 1 : JA3 gDNA (1:2)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	81	0.30	5.6	
3	17,000	4.20	0.4	Upper Marker

Region table for sample 1 : JA3 gDNA (1:2)

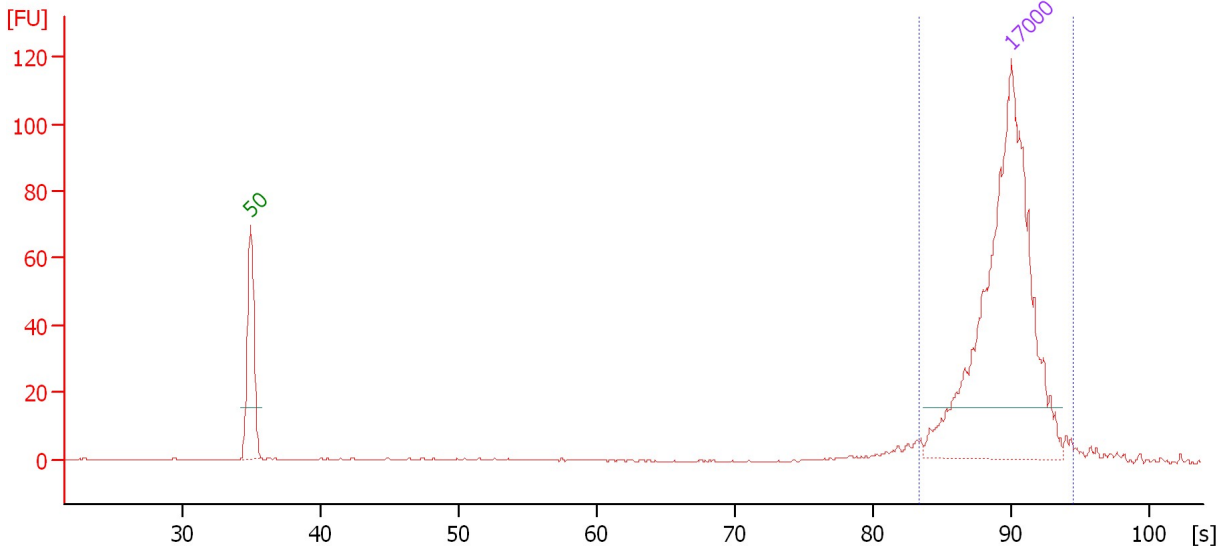
From [s]	To [s]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
81.70	94.16	15,299	0.20	16.3	33.8	36

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-01\2013-11-01_004.xad

Created: 11/1/2013 12:29:34 PM
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Electropherogram Summary Continued ...

JA17 gDNA (1:2)



Overall Results for sample 2 : JA17 gDNA (1:2)

Number of peaks found: 0 Area 1: 5.8

Peak table for sample 2 : JA17 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

Region table for sample 2 : JA17 gDNA (1:2)

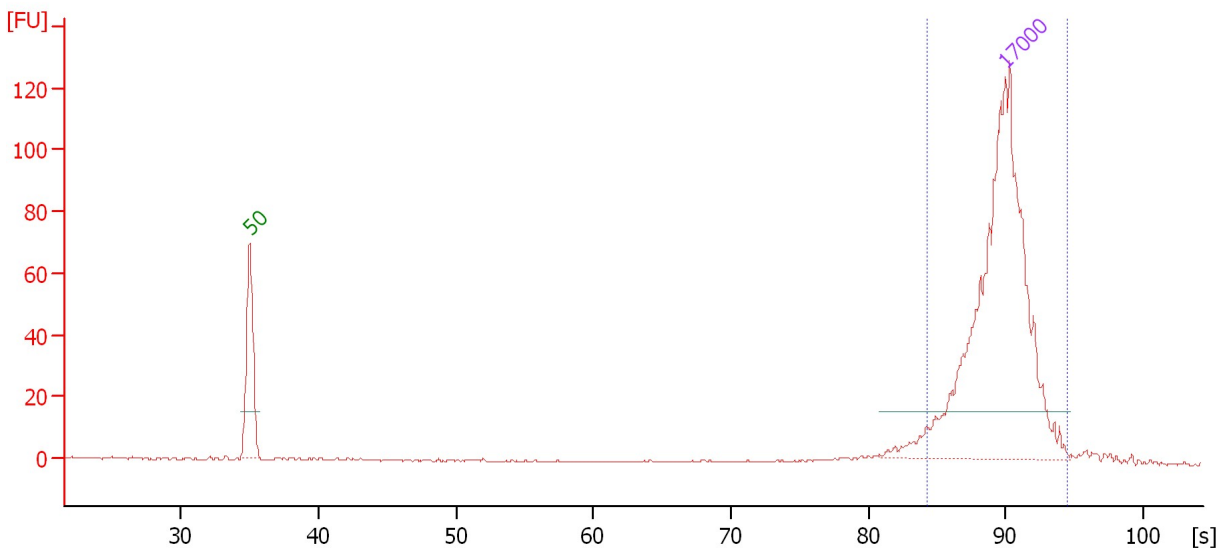
From [s]	To [s]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
83.38	94.51	15,902	0.06	5.8	32.2	19

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-01\2013-11-01_004.xad

Created: 11/1/2013 12:29:34 PM
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Electropherogram Summary Continued ...

JA23 gDNA (1:2)



Overall Results for sample 3 : JA23 gDNA (1:2)

Number of peaks found: 0 Area 1: 0.0

Peak table for sample 3 : JA23 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

Region table for sample 3 : JA23 gDNA (1:2)

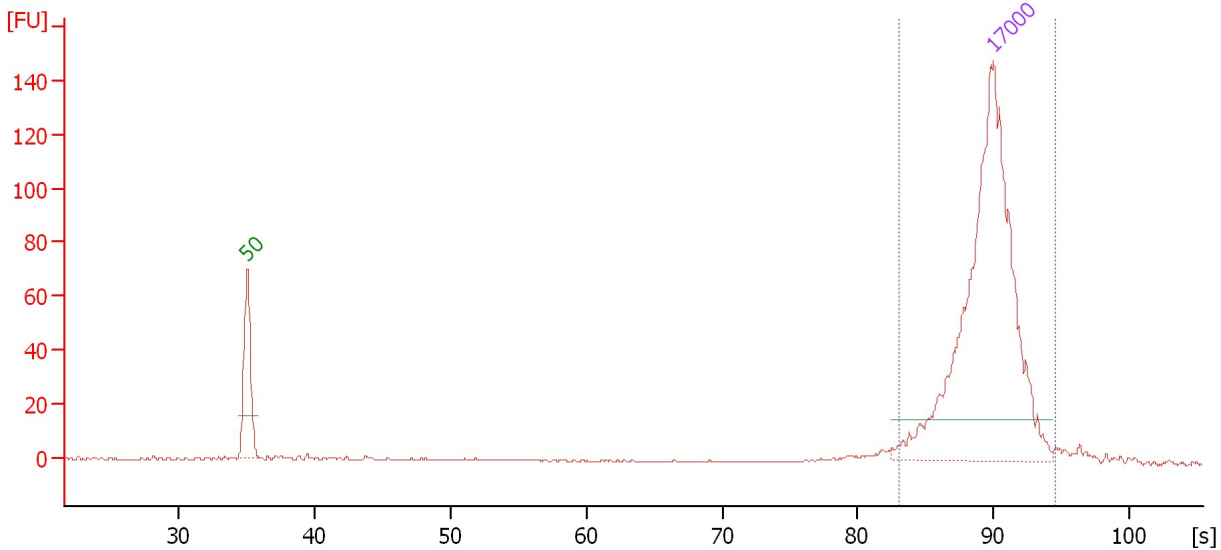
From [s]	To [s]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
84.26	94.45	16,104	0.00	0.0	31.8	0

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-01\2013-11-01_004.xad

Created: 11/1/2013 12:29:34 PM
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Electropherogram Summary Continued ...

JA62 gDNA (1:2)



Overall Results for sample 4 : JA62 gDNA (1:2)

Number of peaks found: 0 Area 1: 0.5

Peak table for sample 4 : JA62 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

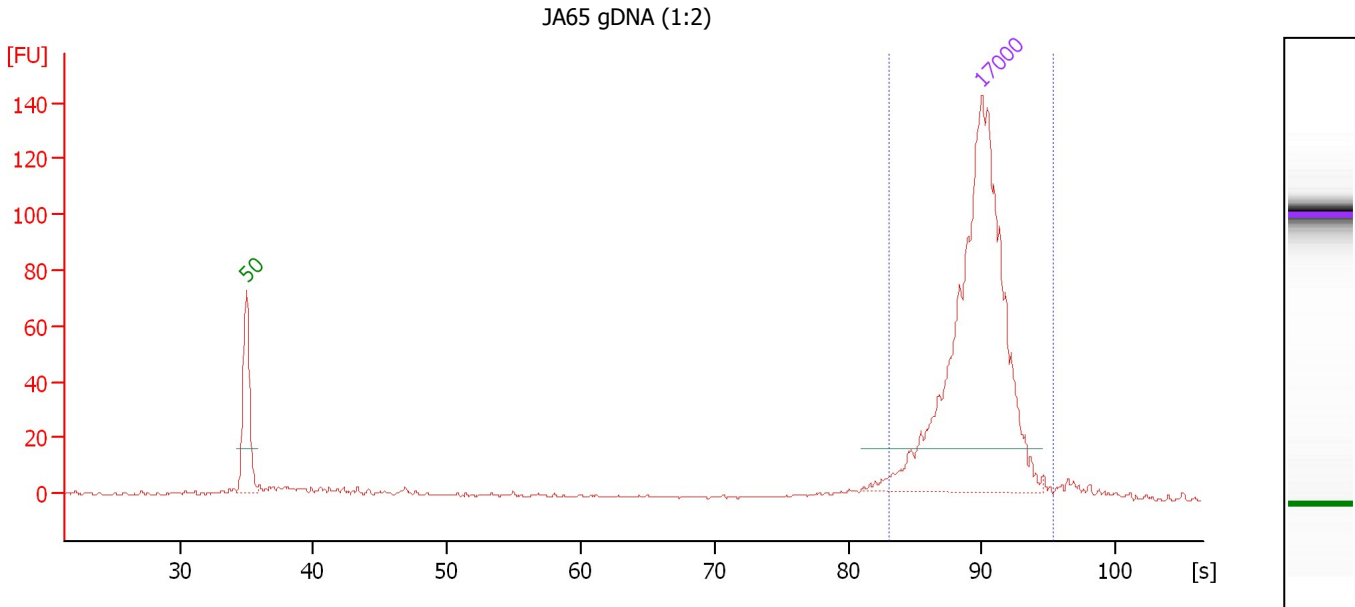
Region table for sample 4 : JA62 gDNA (1:2)

From [s]	To [s]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
83.06	94.57	15,936	0.00	0.5	32.5	1

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-01\2013-11-01_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : JA65 gDNA (1:2)

Number of peaks found: 0 Area 1: 3.6

Peak table for sample 5 : JA65 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

Region table for sample 5 : JA65 gDNA (1:2)

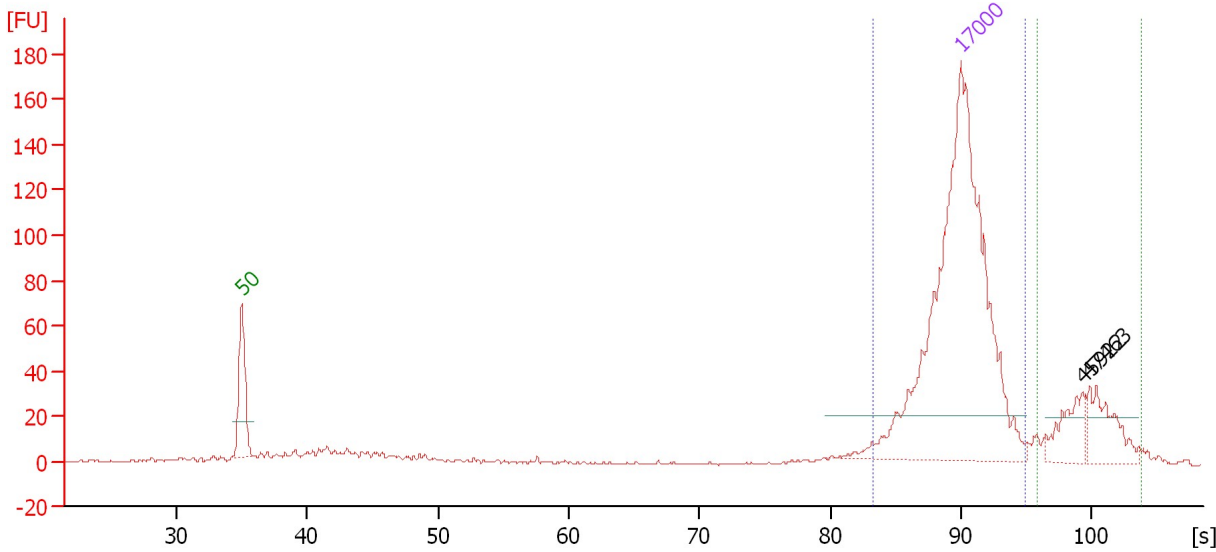
From [s]	To [s]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
83.13	95.32	16,324	0.03	3.6	33.8	5

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-01\2013-11-01_004.xad

Created: 11/1/2013 12:29:34 PM
 Modified: 11/1/2013 1:09:22 PM

Electropherogram Summary Continued ...

JA69 gDNA (1:2)



Overall Results for sample 6 : JA69 gDNA (1:2)

Number of peaks found: 0 Area 2: 143.7
 Area 1: 0.0

Peak table for sample 6 : JA69 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	45,922	0.00	0.0	
4	47,463	0.00	0.0	

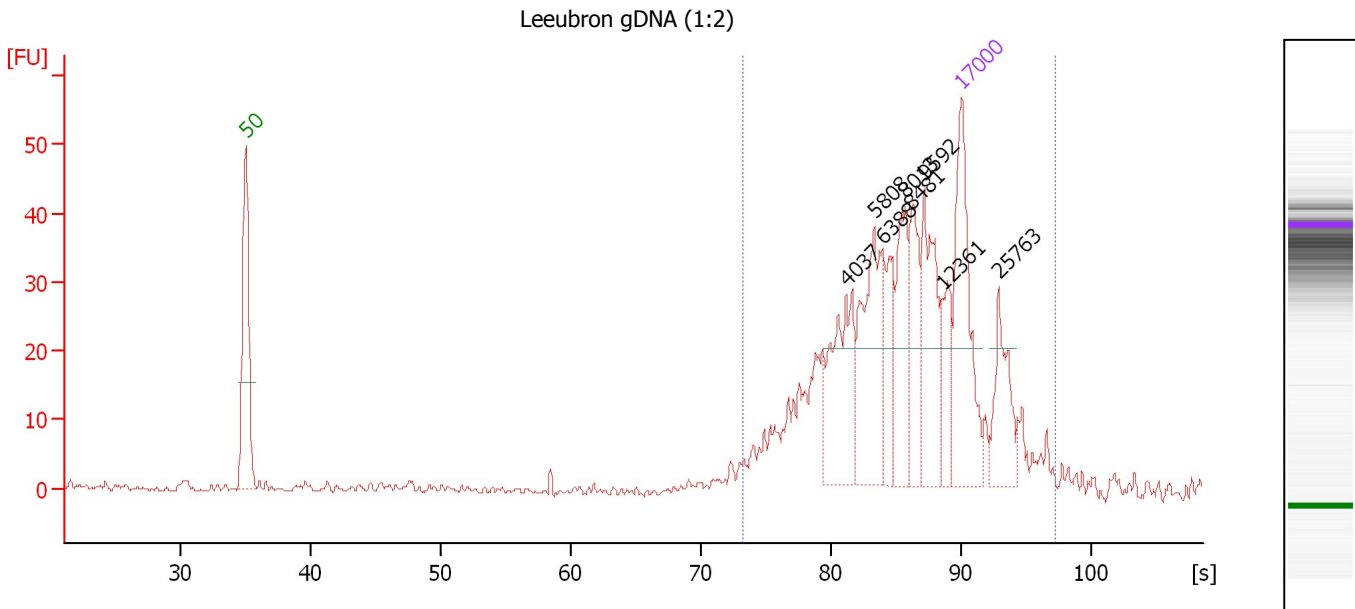
Region table for sample 6 : JA69 gDNA (1:2)

From [s]	To [s]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
83.32	94.88	16,766	0.00	0.0	33.8	0
95.81	103.78	47,067	0.82	143.7	12.4	65

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-01\2013-11-01_004.xad

Created: 11/1/2013 12:29:34 PM
 Modified: 11/1/2013 1:09:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Leeubron gDNA (1:2)

Number of peaks found: 7 Area 1: 354.5

Peak table for sample 7 : Leeubron gDNA (1:2)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	4,037	3.37	1.3	
3	5,808	3.61	0.9	
4	6,388	1.60	0.4	
5	8,013	2.45	0.5	
6	8,481	2.17	0.4	
7	9,592	2.94	0.5	
8	12,361	1.06	0.1	
9	17,000	4.20	0.4	Upper Marker
10	25,763	0.00	0.0	

Region table for sample 7 : Leeubron gDNA (1:2)

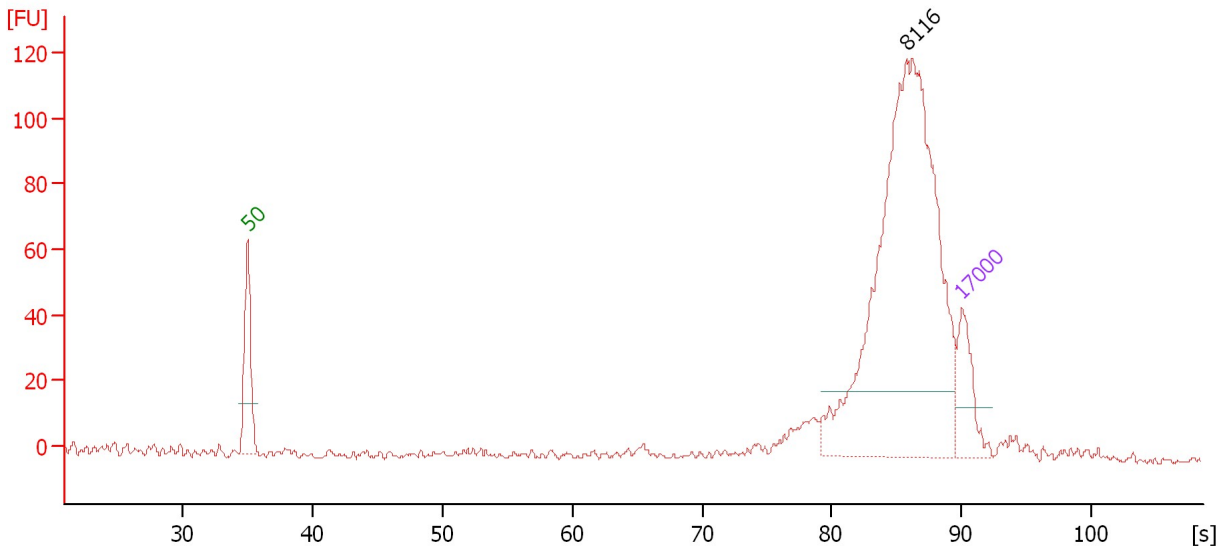
From [s]	To [s]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
73.13	97.14	10,371	23.06	354.5	75.3	98

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-01\2013-11-01_004.xad

Created: 11/1/2013 12:29:34 PM
Modified: 11/1/2013 1:09:22 PM

Electropherogram Summary Continued ...

Pp1290 conc. (1:3)



Overall Results for sample 8 : Pp1290 conc. (1:3)

Number of peaks found: 1

Peak table for sample 8 : Pp1290 conc. (1:3)

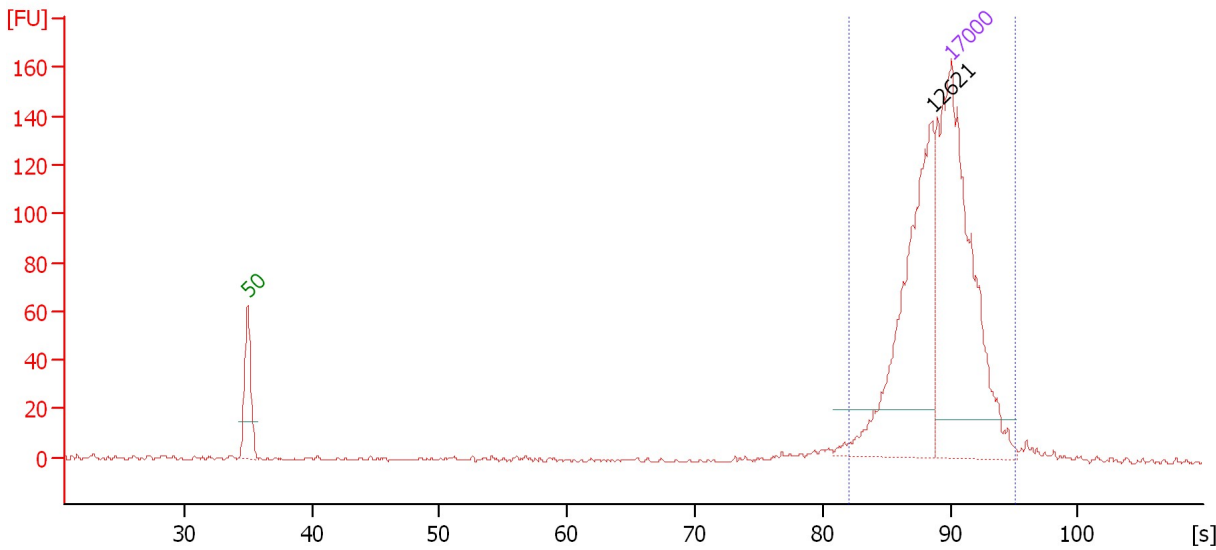
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	8,116	46.39	8.7	
3	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-01\2013-11-01_004.xad

Created: 11/1/2013 12:29:34 PM
 Modified: 11/1/2013 1:09:22 PM

Electropherogram Summary Continued ...

CaCal35 conc. (1:3)



Overall Results for sample 9 : CaCal35 conc. (1:3)

Number of peaks found: 1 Area 1: 344.6

Peak table for sample 9 : CaCal35 conc. (1:3)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	12,621	3.43	0.4	
3	17,000	4.20	0.4	Upper Marker

Region table for sample 9 : CaCal35 conc. (1:3)

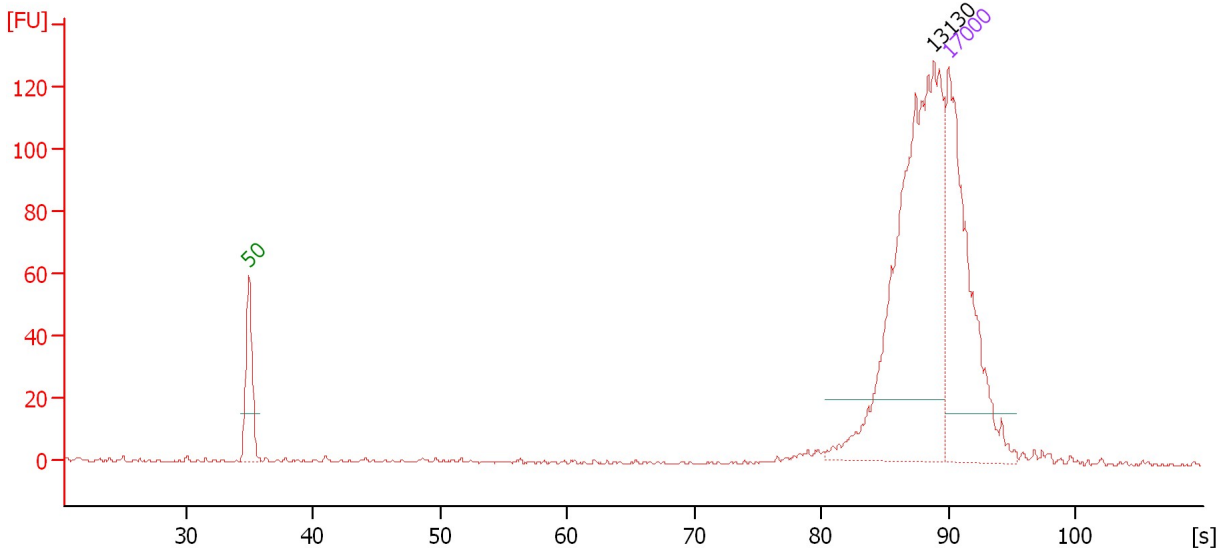
From [s]	To [s]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
82.09	95.04	15,128	3.50	344.6	39.0	86

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-01\2013-11-01_004.xad

Created: 11/1/2013 12:29:34 PM
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Electropherogram Summary Continued ...

Tim1 conc. (1:3)



Overall Results for sample 10 : Tim1 conc. (1:3)

Number of peaks found: 1

Peak table for sample 10 : Tim1 conc. (1:3)

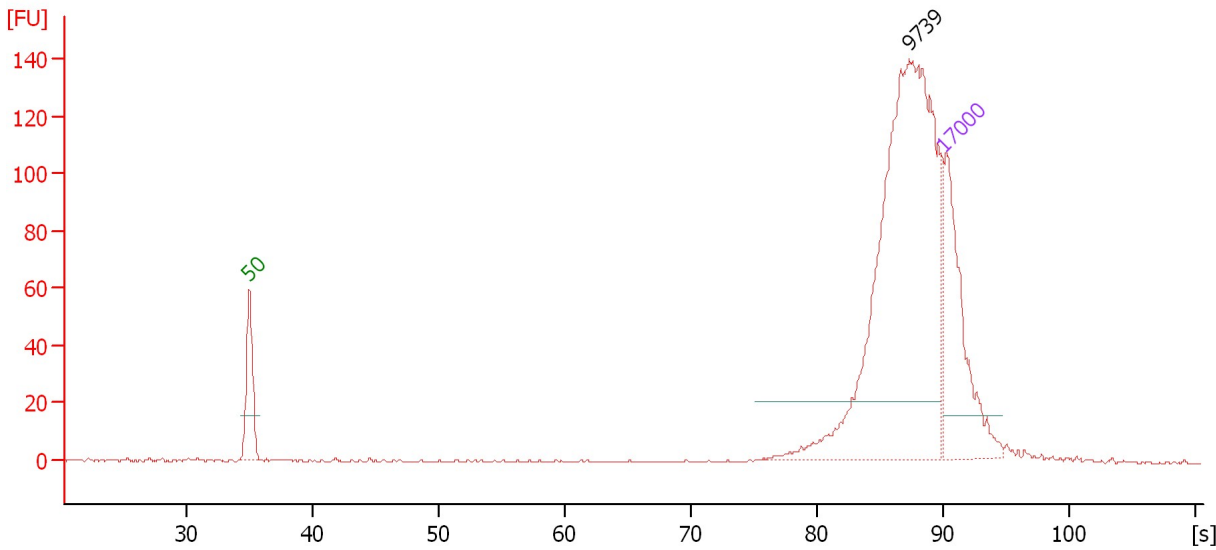
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	13,130	8.26	1.0	
3	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-01\2013-11-01_004.xad

Created: 11/1/2013 12:29:34 PM
 Modified: 11/1/2013 1:09:22 PM

Electropherogram Summary Continued ...

Tim2 conc. (1:3)



Overall Results for sample 11 : Tim2 conc. (1:3)

Number of peaks found: 1

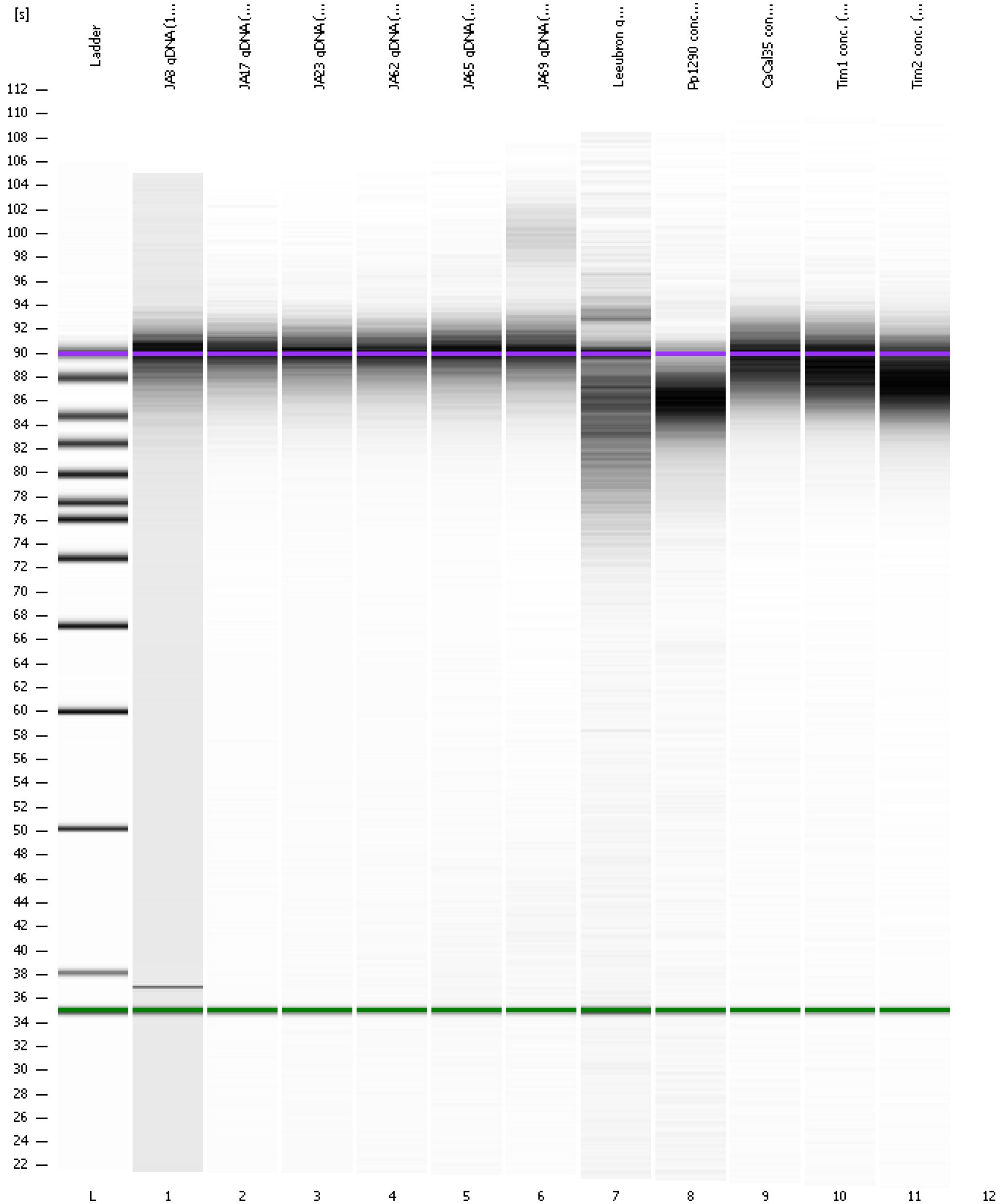
Peak table for sample 11 : Tim2 conc. (1:3)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	9,739	16.33	2.5	
3	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-01\2013-11-01_004.xad

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Gel Image



Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-11-01\2013-11-01_004.xad

Created: 11/1/2013 12:29:34 PM
Modified: 11/1/2013 1:09:22 PM

Invalid Samples

Sample 12 has not been run, no results available.