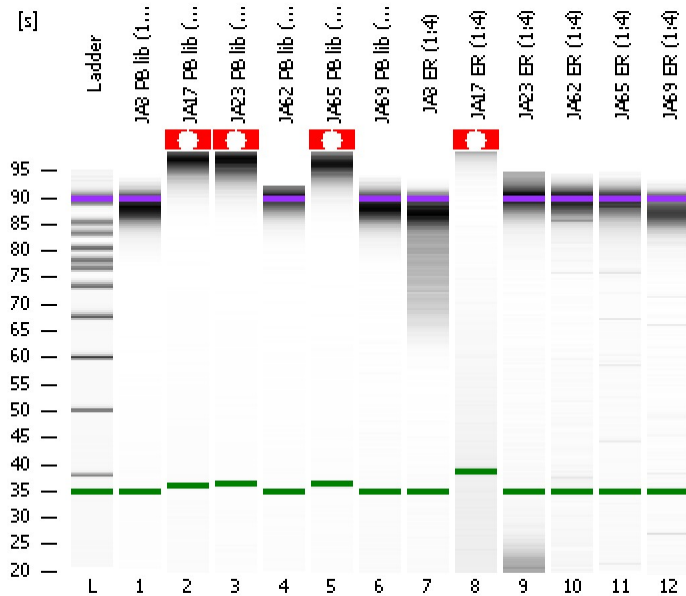


Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-10\2013-12-10_005.xad

Created: 12/10/2013 1:24:47 PM
Modified: 12/10/2013 1:59:54 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

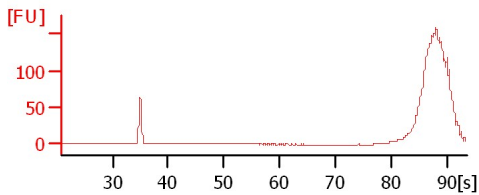
Assay Class: DNA 12000
Version: 2.4
Assay Comments: DNA Analysis 100 -12000 bp

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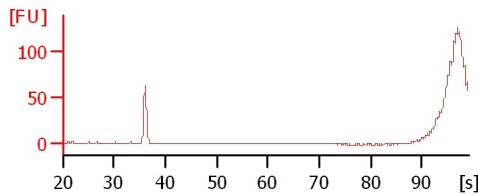
Chip Information:

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

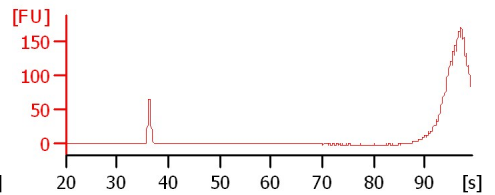
JA3 PB lib (1:3)



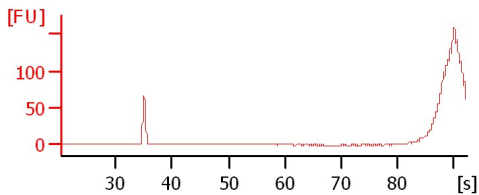
JA17 PB lib (1:3)



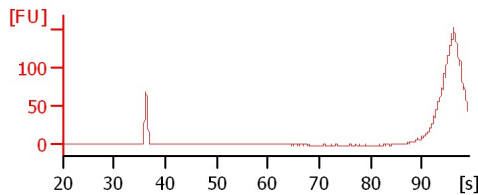
JA23 PB lib (1:3)



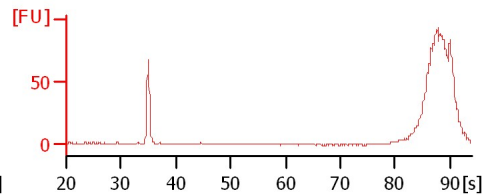
JA62 PB lib (1:3)



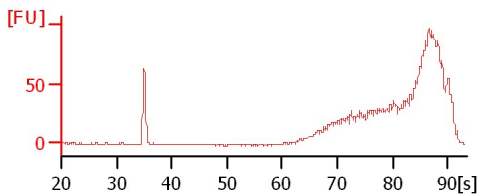
JA65 PB lib (1:3)



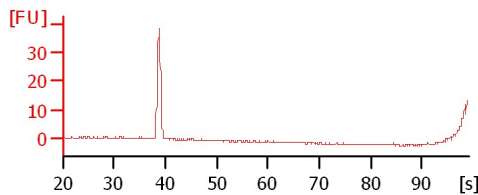
JA69 PB lib (1:3)



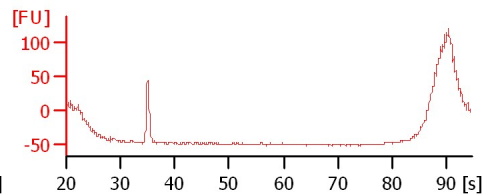
JA3 ER (1:4)



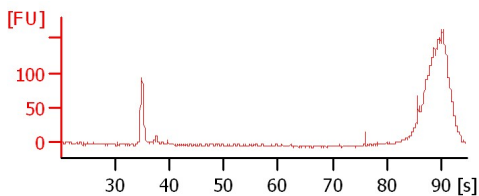
JA17 ER (1:4)



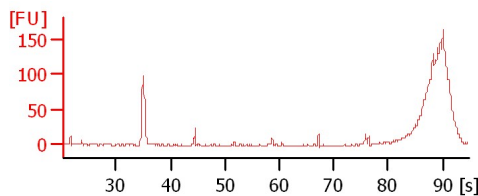
JA23 ER (1:4)



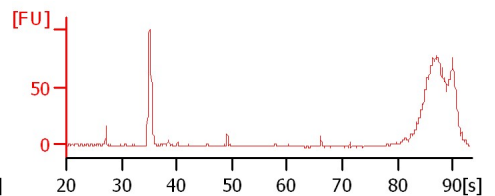
JA62 ER (1:4)



JA65 ER (1:4)



JA69 ER (1:4)



Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-10\2013-12-10_005.xad

Created: 12/10/2013 1:24:47 PM
Modified: 12/10/2013 1:59:54 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
JA3 PB lib (1:3)		<input type="checkbox"/>	✓			
JA17 PB lib (1:3)		<input type="checkbox"/>	✓			
JA23 PB lib (1:3)		<input type="checkbox"/>	✓			
JA62 PB lib (1:3)		<input type="checkbox"/>	✓			
JA65 PB lib (1:3)		<input type="checkbox"/>	✓			
JA69 PB lib (1:3)		<input type="checkbox"/>	✓			
JA3 ER (1:4)		<input type="checkbox"/>	✓			
JA17 ER (1:4)		<input type="checkbox"/>	✓			
JA23 ER (1:4)		<input type="checkbox"/>	✓			
JA62 ER (1:4)		<input type="checkbox"/>	✓			
JA65 ER (1:4)		<input type="checkbox"/>	✓			
JA69 ER (1:4)		<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\2013-12-10\2013-12-10_005.xad

Created: 12/10/2013 1:24:47 PM
Modified: 12/10/2013 1:59:54 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

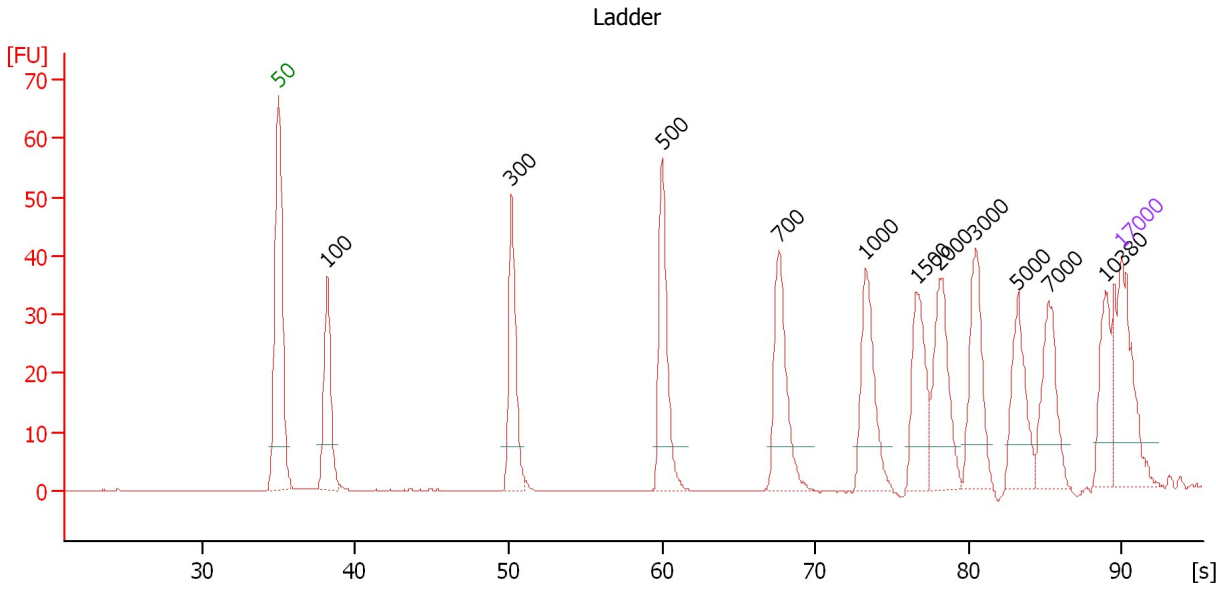
Ladder

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\2013-12-10\2013-12-10_005.xad

Created: 12/10/2013 1:24:47 PM
 Modified: 12/10/2013 1:59:54 PM

Electropherogram Summary



Peak table for Ladder

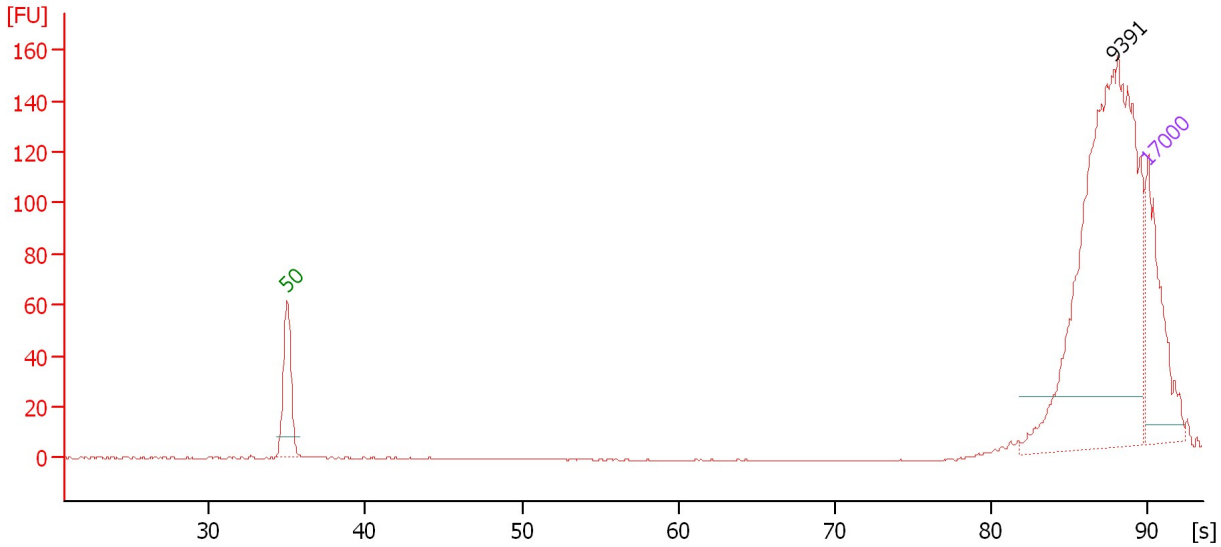
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	100	4.00	60.6	Ladder Peak
3	300	4.00	20.2	Ladder Peak
4	500	4.00	12.1	Ladder Peak
5	700	4.00	8.7	Ladder Peak
6	1,000	4.00	6.1	Ladder Peak
7	1,500	4.00	4.0	Ladder Peak
8	2,000	4.00	3.0	Ladder Peak
9	3,000	4.00	2.0	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\2013-12-10\2013-12-10_005.xad

Created: 12/10/2013 1:24:47 PM
Modified: 12/10/2013 1:59:54 PM

Electropherogram Summary Continued ...

JA3 PB lib (1:3)



Overall Results for sample 1 : JA3 PB lib (1:3)

Number of peaks found: 1

Peak table for sample 1 : JA3 PB lib (1:3)

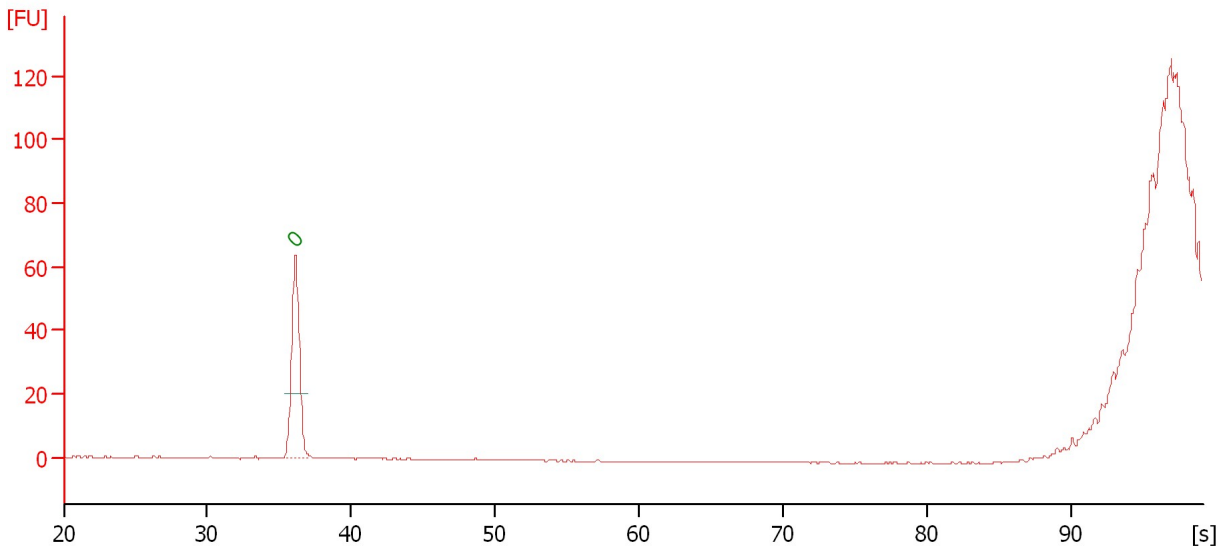
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	9,391	20.18	3.3	
3	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-10\2013-12-10_005.xad

Created: 12/10/2013 1:24:47 PM
Modified: 12/10/2013 1:59:54 PM

Electropherogram Summary Continued ...

JA17 PB lib (1:3)



Overall Results for sample 2 : JA17 PB lib (1:3)

Number of peaks found: 0

Peak table for sample 2 : JA17 PB lib (1:3)

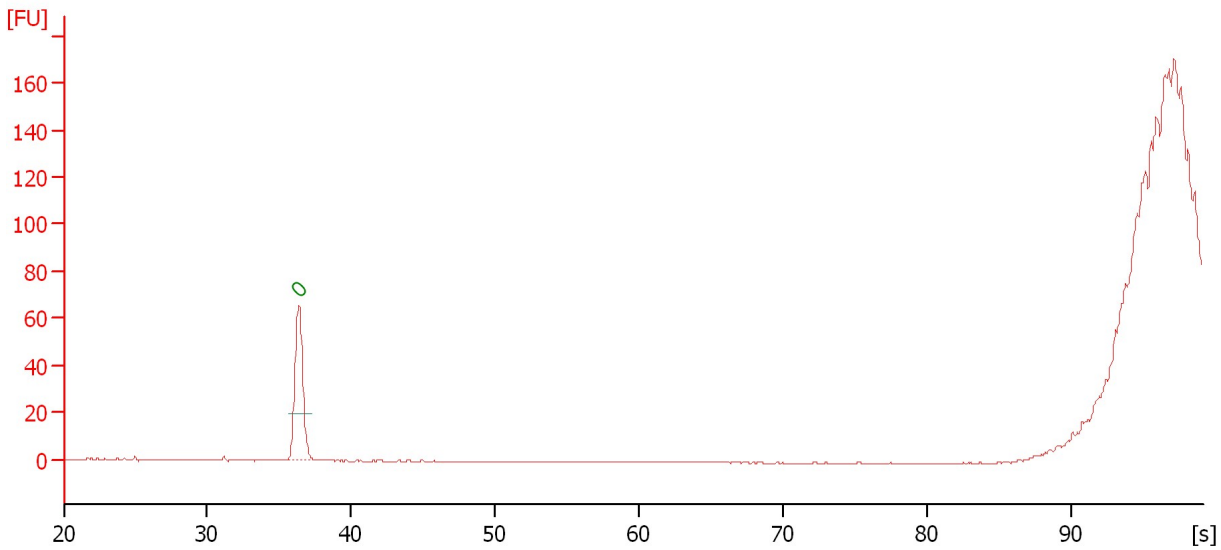
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	0	0.00	0.0	Lower Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-10\2013-12-10_005.xad

Created: 12/10/2013 1:24:47 PM
Modified: 12/10/2013 1:59:54 PM

Electropherogram Summary Continued ...

JA23 PB lib (1:3)



Overall Results for sample 3 : JA23 PB lib (1:3)

Number of peaks found: 0

Peak table for sample 3 : JA23 PB lib (1:3)

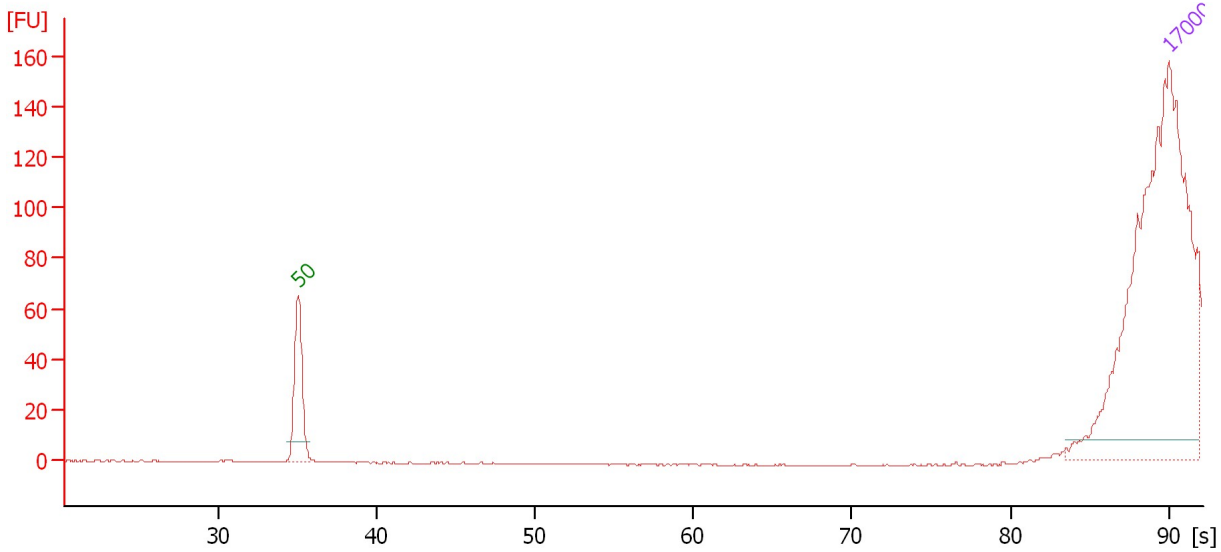
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	0	0.00	0.0	Lower Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-10\2013-12-10_005.xad

Created: 12/10/2013 1:24:47 PM
Modified: 12/10/2013 1:59:54 PM

Electropherogram Summary Continued ...

JA62 PB lib (1:3)



Overall Results for sample 4 : JA62 PB lib (1:3)

Number of peaks found: 0

Peak table for sample 4 : JA62 PB lib (1:3)

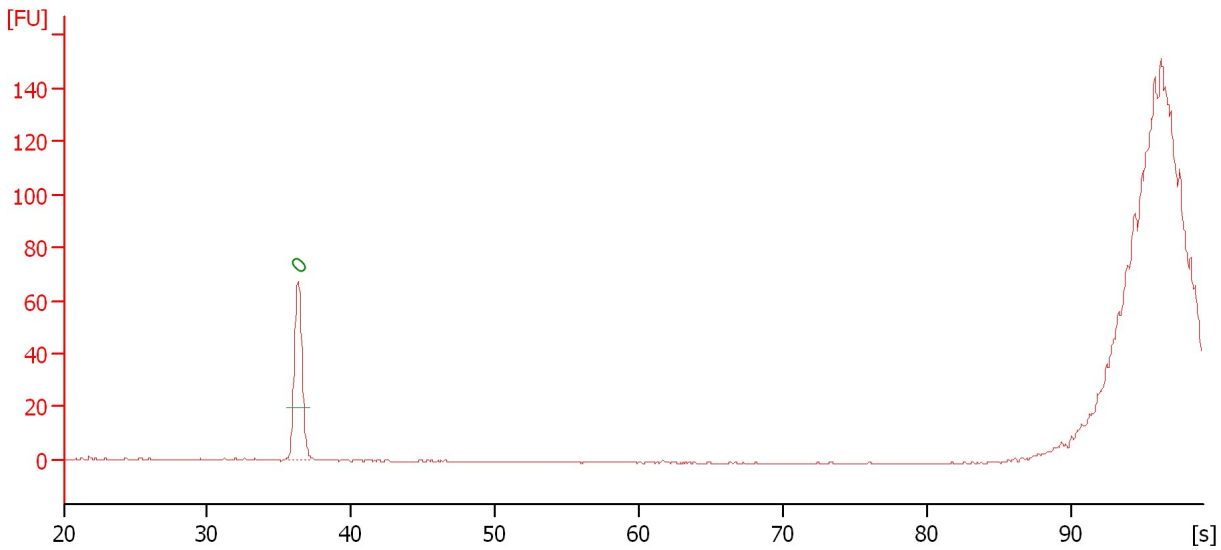
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-10\2013-12-10_005.xad

Created: 12/10/2013 1:24:47 PM
Modified: 12/10/2013 1:59:54 PM

Electropherogram Summary Continued ...

JA65 PB lib (1:3)



Overall Results for sample 5 : JA65 PB lib (1:3)

Number of peaks found: 0

Peak table for sample 5 : JA65 PB lib (1:3)

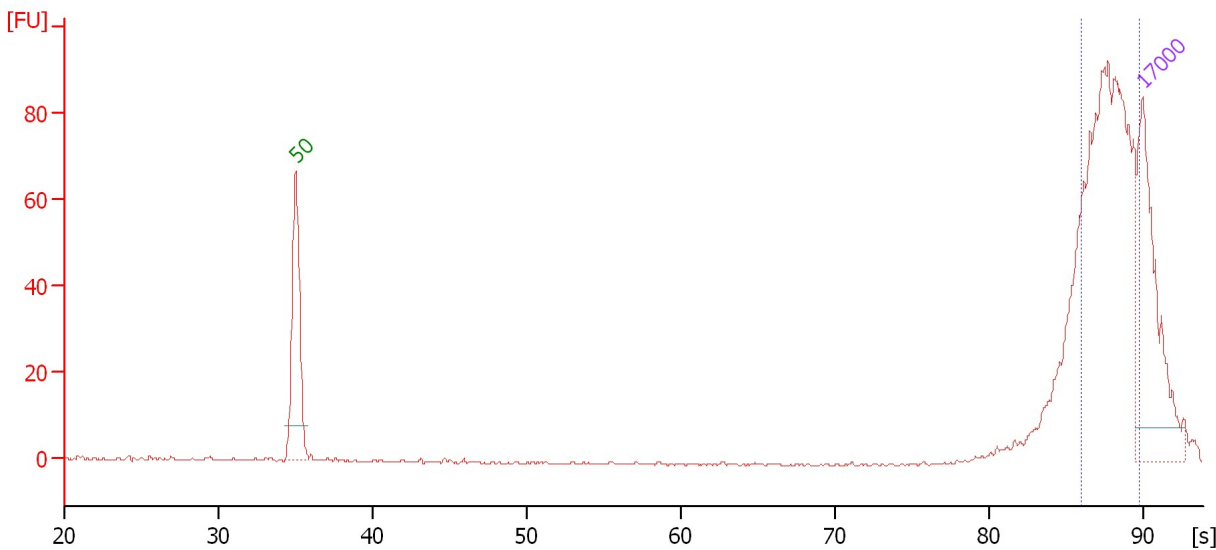
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	0	0.00	0.0	Lower Marker

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-10\2013-12-10_005.xad

Created: 12/10/2013 1:24:47 PM
 Modified: 12/10/2013 1:59:54 PM

Electropherogram Summary Continued ...

JA69 PB lib (1:3)



Overall Results for sample 6 : JA69 PB lib (1:3)

Number of peaks found: 0 Area 1: 288.6

Peak table for sample 6 : JA69 PB lib (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 6 : JA69 PB lib (1:3)

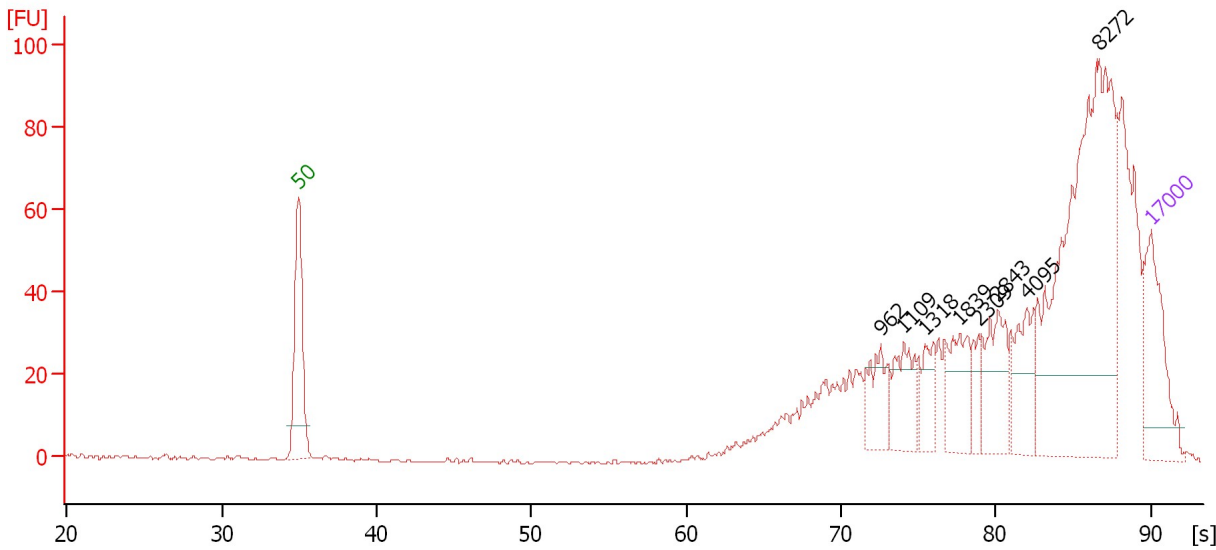
From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	Col Size distribution in CV or [%]	% of Total
7,747	15,501	9,797	9.22	288.6	17.6	75

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-10\2013-12-10_005.xad

Created: 12/10/2013 1:24:47 PM
 Modified: 12/10/2013 1:59:54 PM

Electropherogram Summary Continued ...

JA3 ER (1:4)



Overall Results for sample 7 : JA3 ER (1:4)

Number of peaks found: 8

Peak table for sample 7 : JA3 ER (1:4)

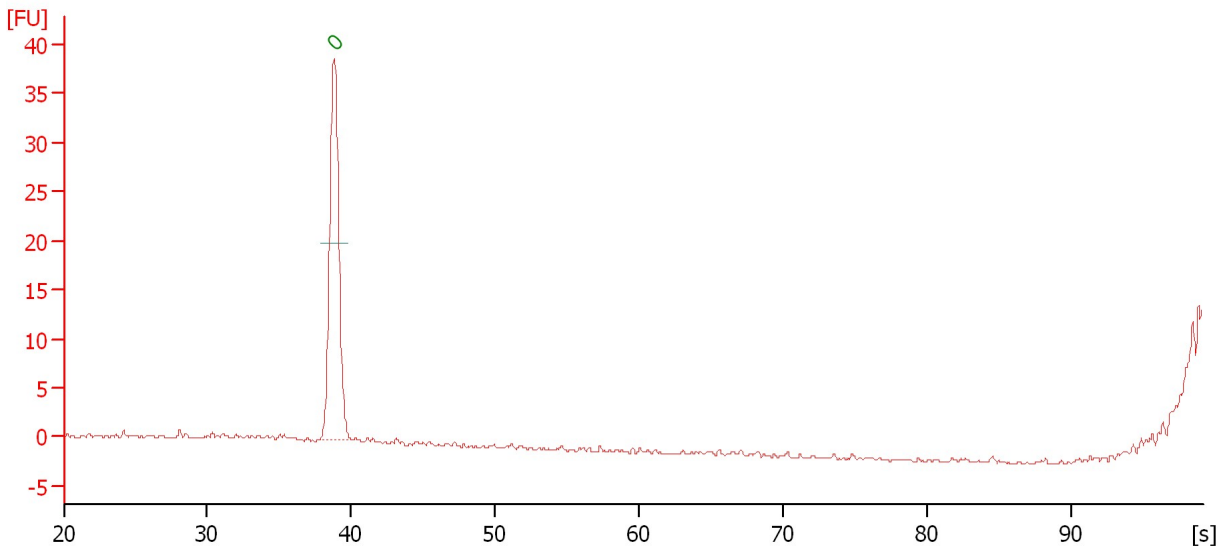
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	962	2.07	3.3	
3	1,109	2.70	3.7	
4	1,318	1.72	2.0	
5	1,839	2.89	2.4	
6	2,309	0.94	0.6	
7	2,843	3.35	1.8	
8	4,095	2.86	1.1	
9	8,272	20.37	3.7	
10	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-10\2013-12-10_005.xad

Created: 12/10/2013 1:24:47 PM
Modified: 12/10/2013 1:59:54 PM

Electropherogram Summary Continued ...

JA17 ER (1:4)



Overall Results for sample 8 : JA17 ER (1:4)

Number of peaks found: 0

Peak table for sample 8 : JA17 ER (1:4)

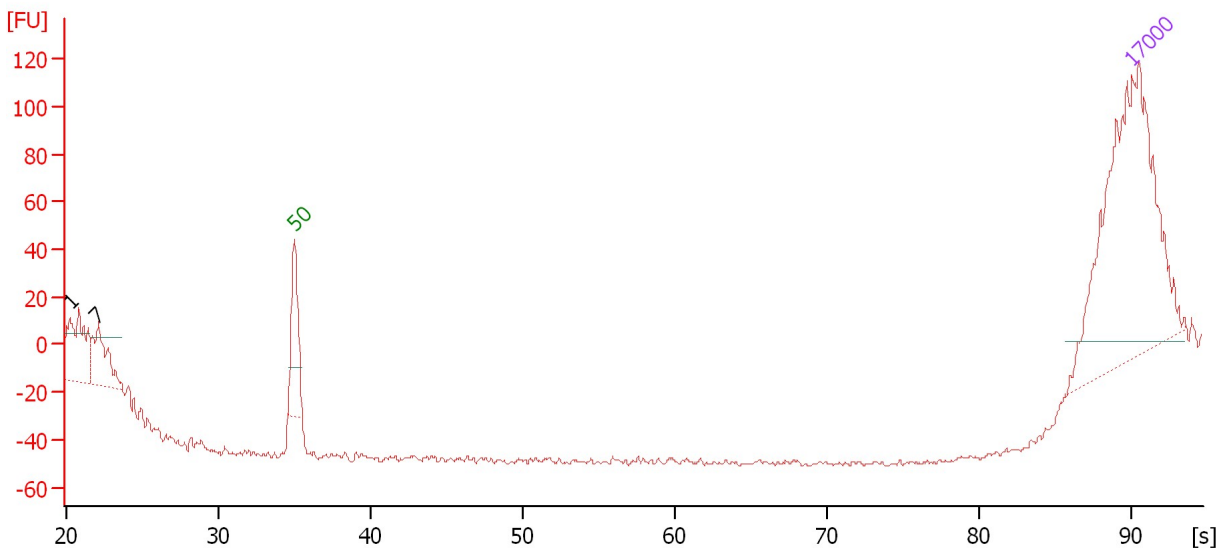
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	0	0.00	0.0	Lower Marker

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-10\2013-12-10_005.xad

Created: 12/10/2013 1:24:47 PM
 Modified: 12/10/2013 1:59:54 PM

Electropherogram Summary Continued ...

JA23 ER (1:4)



Overall Results for sample 9 : JA23 ER (1:4)

Number of peaks found: 0

Peak table for sample 9 : JA23 ER (1:4)

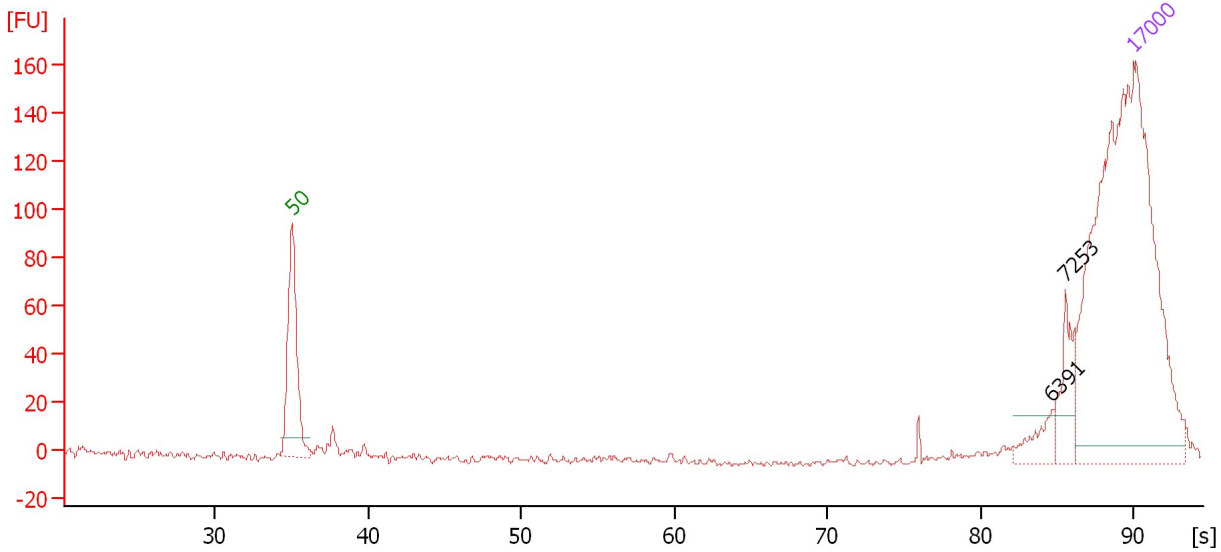
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	1	0.00	0.0	
2	7	0.00	0.0	
3	50	8.30	251.5	Lower Marker
4	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-10\2013-12-10_005.xad

Created: 12/10/2013 1:24:47 PM
Modified: 12/10/2013 1:59:54 PM

Electropherogram Summary Continued ...

JA62 ER (1:4)



Overall Results for sample 10 : JA62 ER (1:4)

Number of peaks found: 2

Peak table for sample 10 : JA62 ER (1:4)

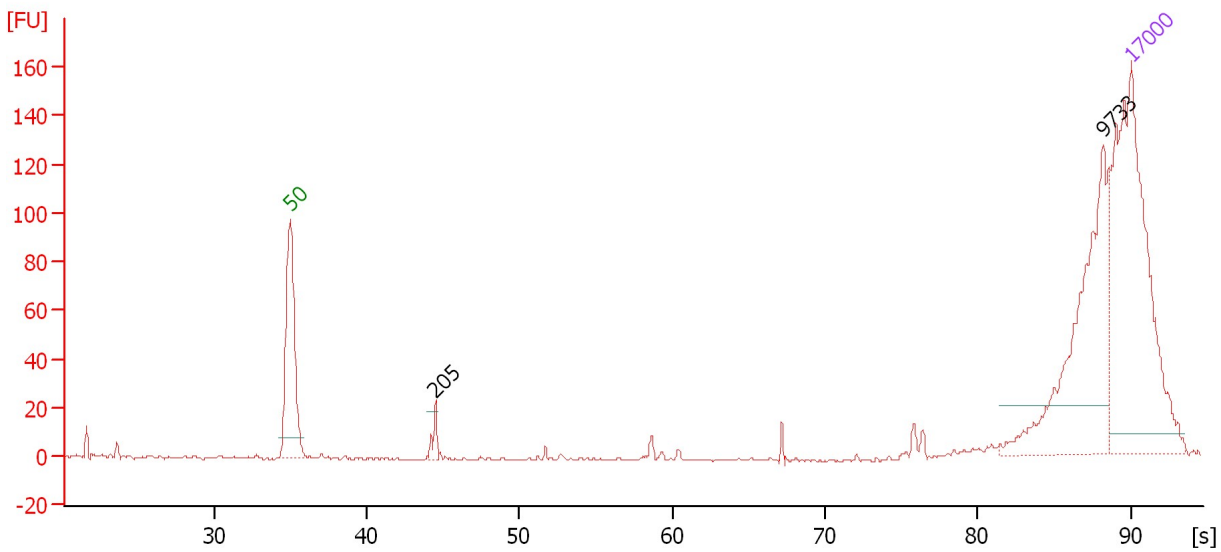
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	6,391	0.22	0.1	
3	7,253	0.36	0.1	
4	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-10\2013-12-10_005.xad

Created: 12/10/2013 1:24:47 PM
 Modified: 12/10/2013 1:59:54 PM

Electropherogram Summary Continued ...

JA65 ER (1:4)



Overall Results for sample 11 : JA65 ER (1:4)

Number of peaks found: 2

Peak table for sample 11 : JA65 ER (1:4)

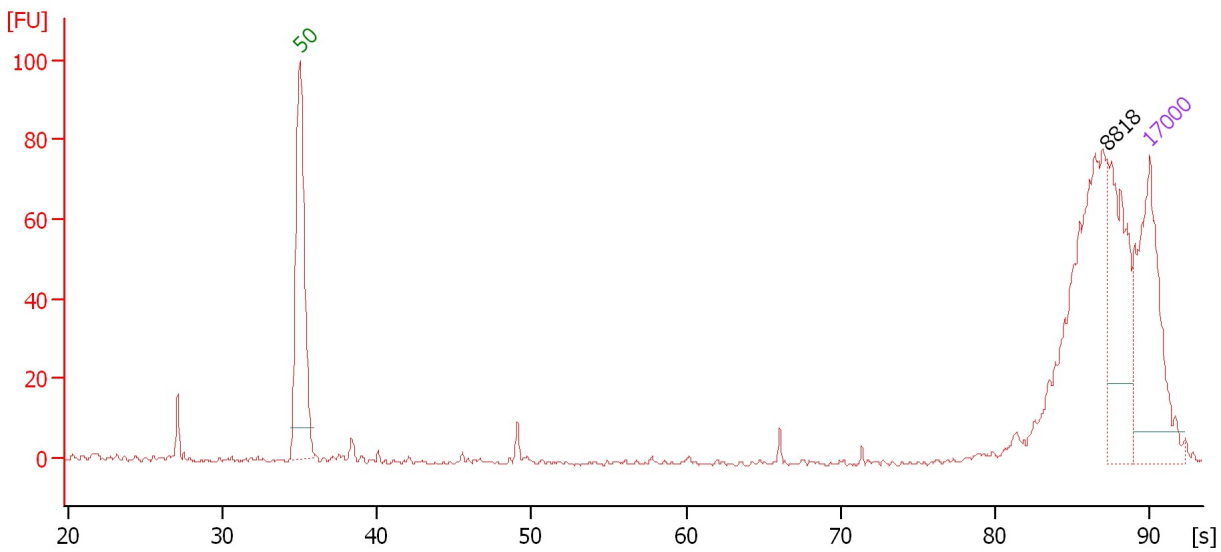
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	205	0.14	1.0	
3	9,733	3.11	0.5	
4	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-10\2013-12-10_005.xad

Created: 12/10/2013 1:24:47 PM
 Modified: 12/10/2013 1:59:54 PM

Electropherogram Summary Continued ...

JA69 ER (1:4)



Overall Results for sample 12 : JA69 ER (1:4)

Number of peaks found: 1

Peak table for sample 12 : JA69 ER (1:4)

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	8,818	4.00	0.7	
3	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-12-10\2013-12-10_005.xad

Created: 12/10/2013 1:24:47 PM
Modified: 12/10/2013 1:59:54 PM

Gel Image

