Assay Class: DNA 12000	Created: 4/25/2014 2:10:18 PM
Data Path: C:\...4-04-25\2100 expert_DNA 12000_DE13701086_2014-04-25_001.xad	Modified: 4/25/2014 2:33:57 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:

PB 1 gDNA (1:12)

BAC 80 gDNA

BAC 80 ph/chlor

BAC 26 ph/chl

4G11 gDNA
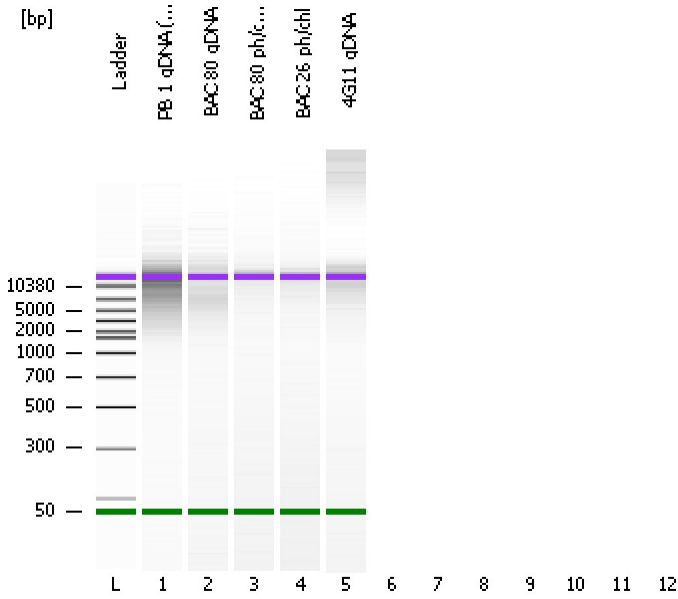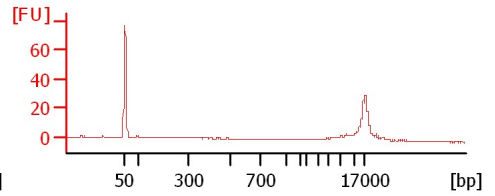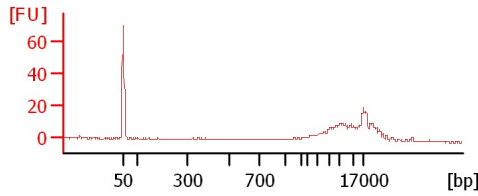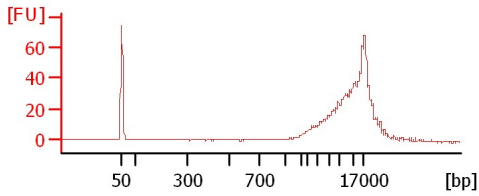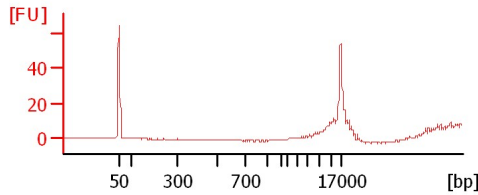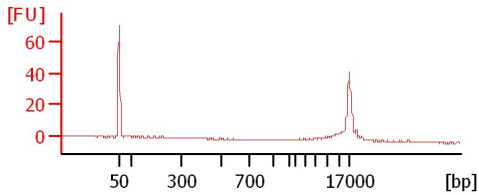
Assay Class: DNA 12000   Created: 4/25/2014 2:10:18 PM
Data Path: C:\...4-04-25\2100 expert_DNA 12000_DE13701086_2014-04-25_001.xad   Modified: 4/25/2014 2:33:57 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
PB 1 gDNA (1:12)		☐	✔			
BAC 80 gDNA		☐	✔			
BAC 80 ph/chlor		☐	✔			
BAC 26 ph/chl		☐	✔			
4G11 gDNA		☐	✔			
		☐				
		☐				
		☐				
		☐				
		☐				
		☐				
Ladder		☐	✔			

Chip Lot #   **Reagent Kit Lot #**

Chip Comments :

Assay Class:	DNA 12000	Created:	4/25/2014 2:10:18 PM
Data Path:	C:\...4-04-25\2100 expert_DNA 12000_DE13701086_2014-04-25_001.xad	Modified:	4/25/2014 2:33:57 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

Electropherogram Summary
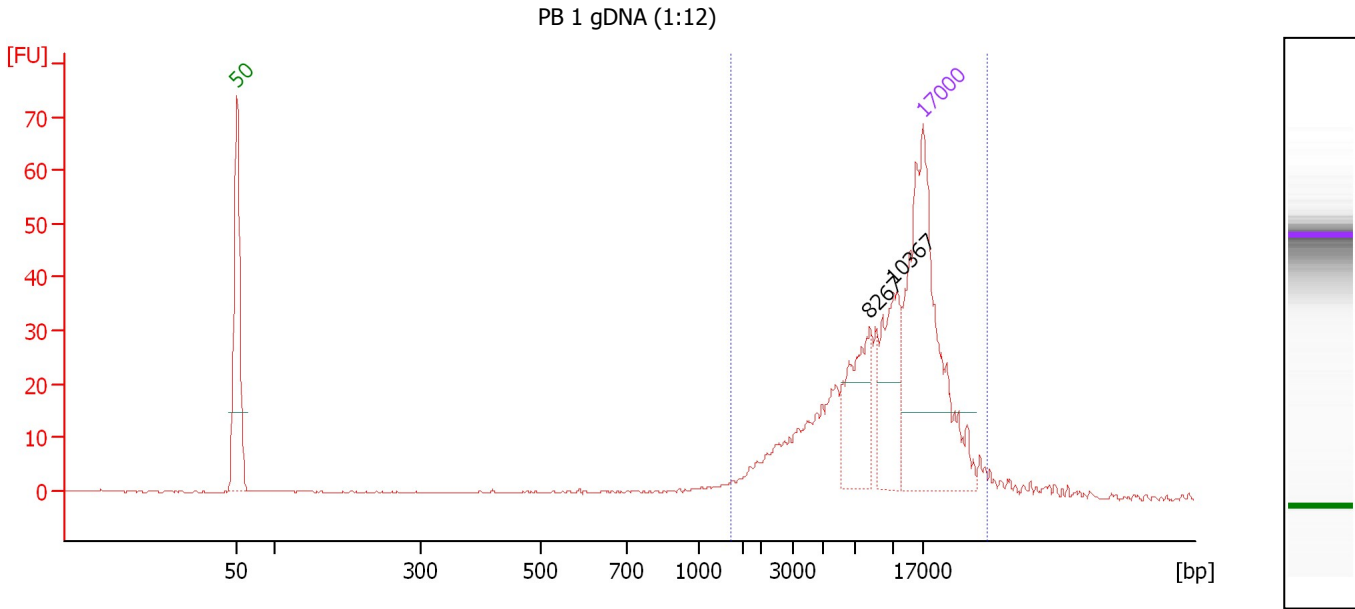
PB 1 gDNA (1:12)

Overall Results for sample 1 :　　PB 1 gDNA (1:12)

Number of peaks found:	2	Area 1:	208.8

Peak table for sample 1 :　　PB 1 gDNA (1:12)

Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◀	50	8.30	251.5	Lower Marker
2		8,267	1.47	0.3	
3		10,367	1.46	0.2	
4	▶	17,000	4.20	0.4	Upper Marker

Region table for sample 1 :　　PB 1 gDNA (1:12)

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/µl]	Color
1,363	32,110	208.8	88	12,162	56.3	5.79	🟦

Assay Class: DNA 12000   Created: 4/25/2014 2:10:18 PM
Data Path: C:\...4-04-25\2100 expert_DNA 12000_DE13701086_2014-04-25_001.xad   Modified: 4/25/2014 2:33:57 PM

Electropherogram Summary Continued ...

BAC 80 gDNA

Overall Results for sample 2 :   BAC 80 gDNA

Number of peaks found:	0	Area 2:	40.7
Area 1:	100.6		

Peak table for sample 2 :   BAC 80 gDNA

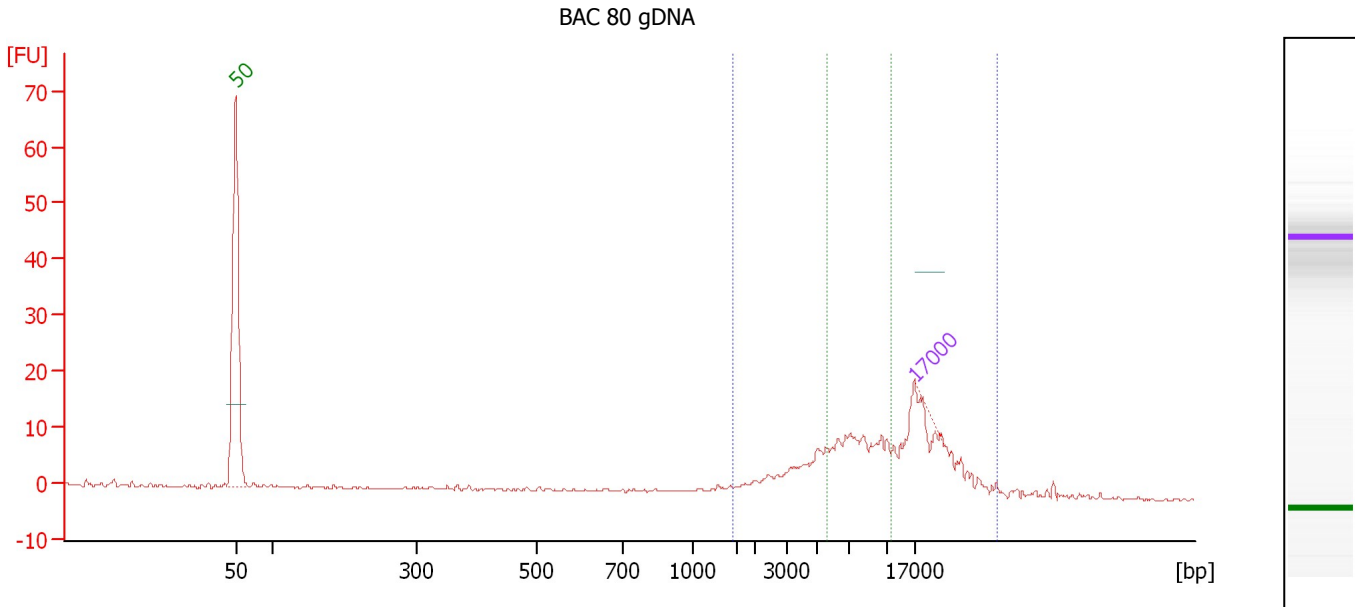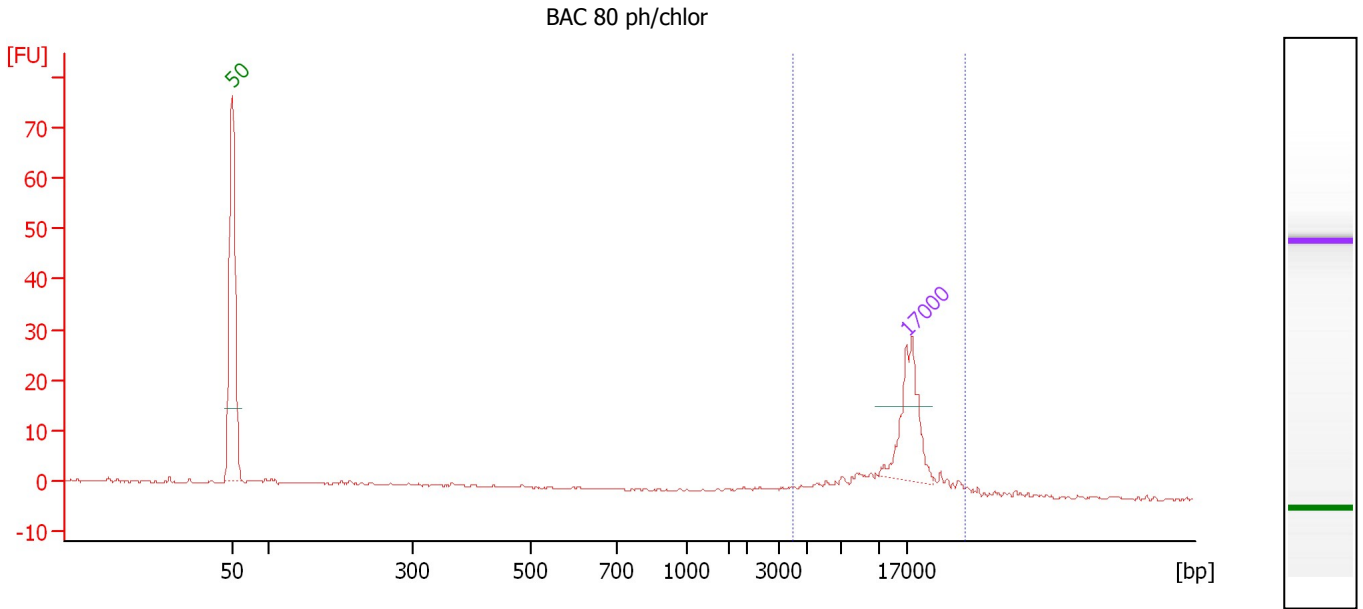| Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◄	50	8.30	251.5	Lower Marker
2	▶🔒	17,000	4.20	0.4	Upper Marker

Region table for sample 2 :   BAC 80 gDNA

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/µl]	Color
1,441	36,053	100.6	92	12,894	62.4	4,656.35	🟦
5,695	10,928	40.7	37	7,942	18.1	1,544.62	🟩

Electropherogram Summary Continued ...

BAC 80 ph/chlor

Overall Results for sample 3 :　　**BAC 80 ph/chlor**

Number of peaks found:	0	Area 1:	18.3

Peak table for sample 3 :　　**BAC 80 ph/chlor**

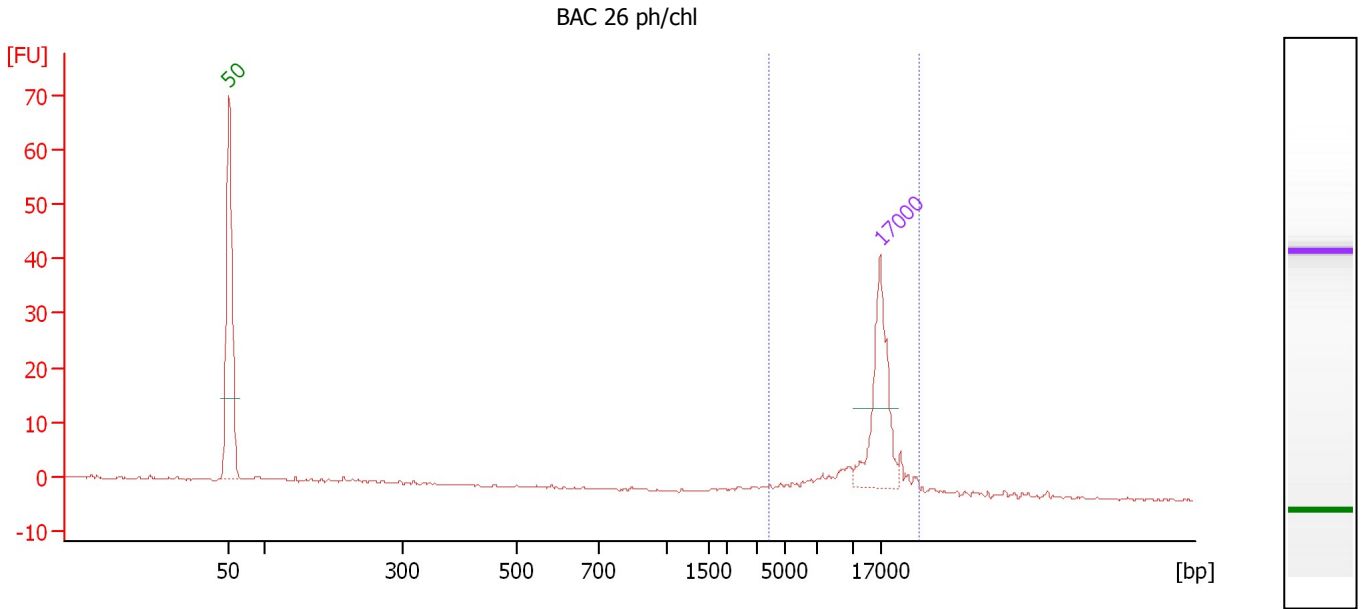| Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◀	50	8.30	251.5	Lower Marker
2	▶	17,000	4.20	0.4	Upper Marker

Region table for sample 3 :　　**BAC 80 ph/chlor**

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/µl]	Color
3,927	30,588	18.3	58	16,133	33.9	2.02	■

Assay Class: DNA 12000
Data Path: C:\...4-04-25\2100 expert_DNA 12000_DE13701086_2014-04-25_001.xad

Created: 4/25/2014 2:10:18 PM
Modified: 4/25/2014 2:33:57 PM

Electropherogram Summary Continued ...

BAC 26 ph/chl

Overall Results for sample 4 :   BAC 26 ph/chl

Number of peaks found: 0   Area 1:   18.8

Peak table for sample 4 :   BAC 26 ph/chl

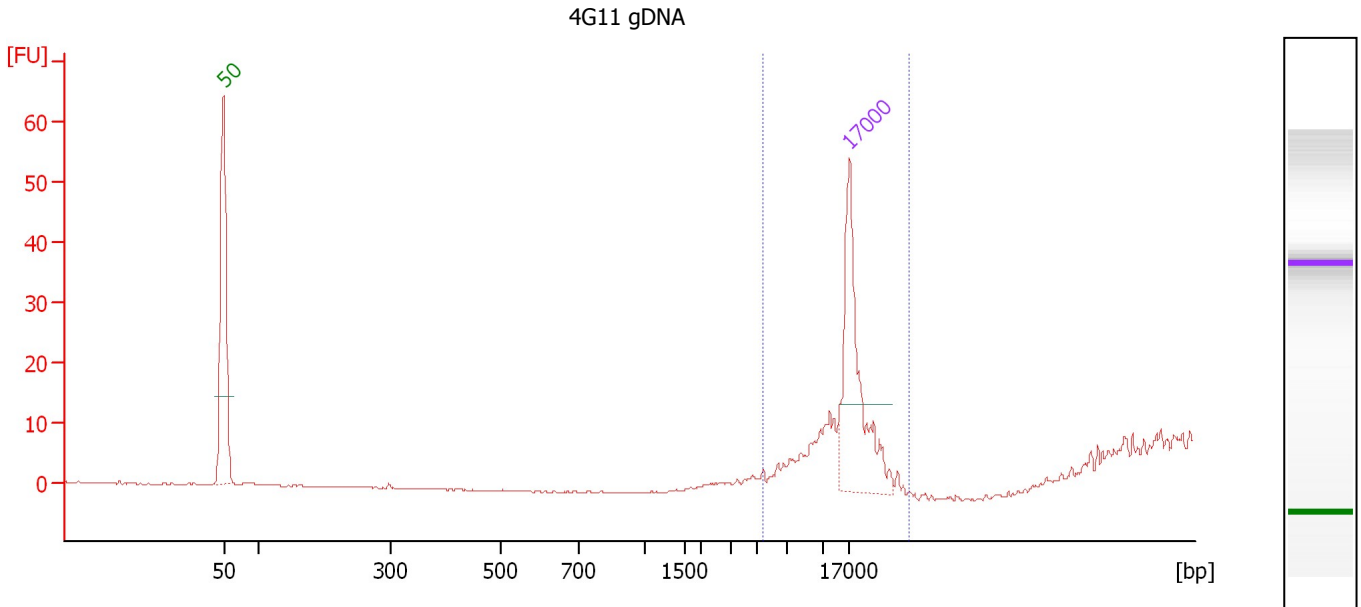| Peak		Size [bp]	Conc. [ng/µl]	Molarity [nmol/l]	Observations
1	◀	50	8.30	251.5	Lower Marker
2	▶	17,000	4.20	0.4	Upper Marker

Region table for sample 4 :   BAC 26 ph/chl

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/µl]	Color
3,875	26,674	18.8	67	15,532	30.0	1.67	■

Assay Class:　　DNA 12000
Data Path:　　　C:\...4-04-25\2100 expert_DNA 12000_DE13701086_2014-04-25_001.xad

Created:　　4/25/2014 2:10:18 PM
Modified:　4/25/2014 2:33:57 PM

Electropherogram Summary Continued ...

4G11 gDNA

Overall Results for sample 5 :　　4G11 gDNA

Number of peaks found:	0	Area 1:	7.8

Peak table for sample 5 :　　4G11 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 :　　4G11 gDNA

| From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [ng/µl]	Color
5,356	31,940	7.8	79	16,684	17.8	0.49	■

Assay Class: DNA 12000
Data Path: C:\...4-04-25\2100 expert_DNA 12000_DE13701086_2014-04-25_001.xad

Created: 4/25/2014 2:10:18 PM
Modified: 4/25/2014 2:33:57 PM

Gel Image
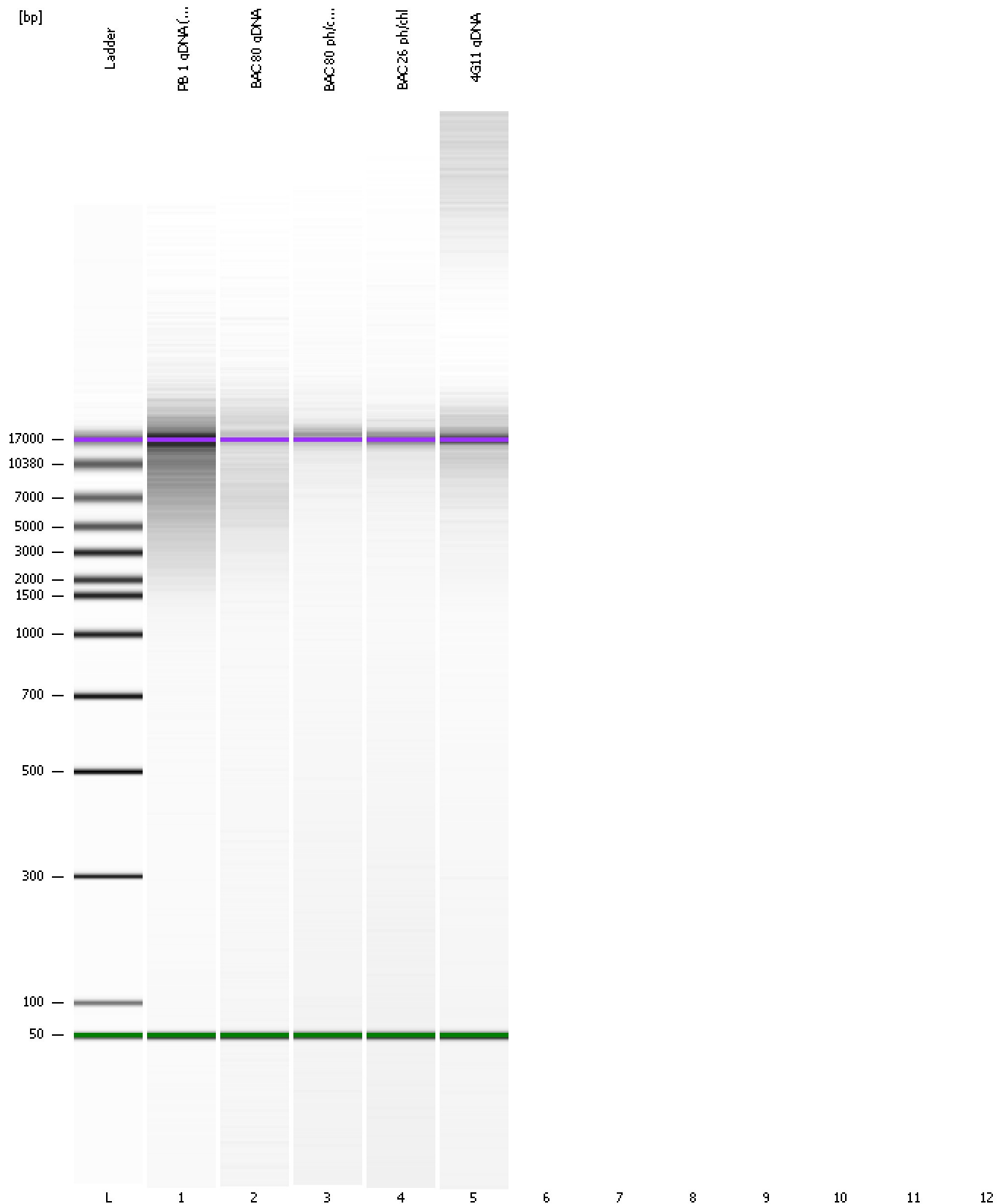
Assay Class: DNA 12000   Created: 4/25/2014 2:10:18 PM
Data Path: C:\...4-04-25\2100 expert_DNA 12000_DE13701086_2014-04-25_001.xad   Modified: 4/25/2014 2:33:57 PM

Curves

Standard Curve
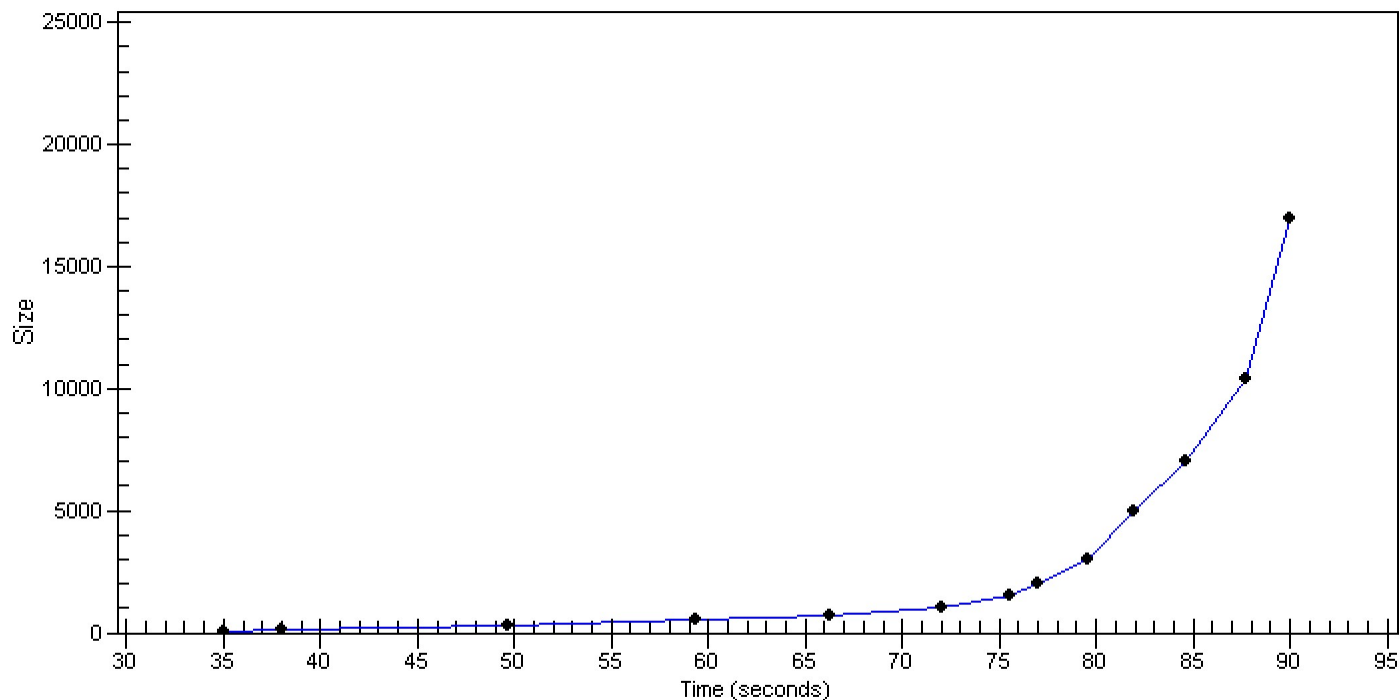
Assay Class:	DNA 12000	Created:	4/25/2014 2:10:18 PM
Data Path:	C:\...4-04-25\2100 expert_DNA 12000_DE13701086_2014-04-25_001.xad	Modified:	4/25/2014 2:33:57 PM

Invalid Samples

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

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.