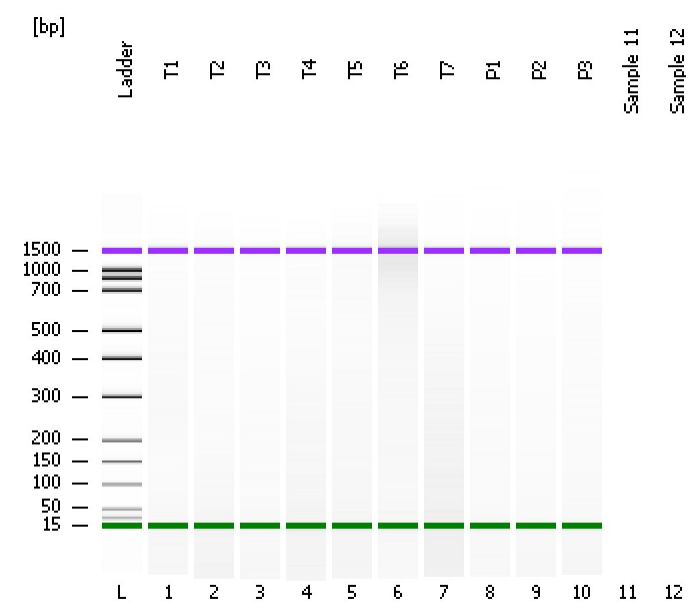


Assay Class: DNA 1000  
 Data Path: C:\...Cahan-4-22-2014\_DNA 1000\_DE20901668\_2014-04-22\_08-45-23.xad

Created: 4/22/2014 8:45:22 AM  
 Modified: 4/22/2014 9:31:01 AM

**Electrophoresis File Run Summary**



Instrument Information:

Instrument Name: Bioanalyzer      Firmware: C.01.069  
 Serial#: DE20901668      Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 1000 Series II.xsy

Assay Class: DNA 1000

Version: 2.3

Assay Comments: DNA Analysis 25 -1000 bp

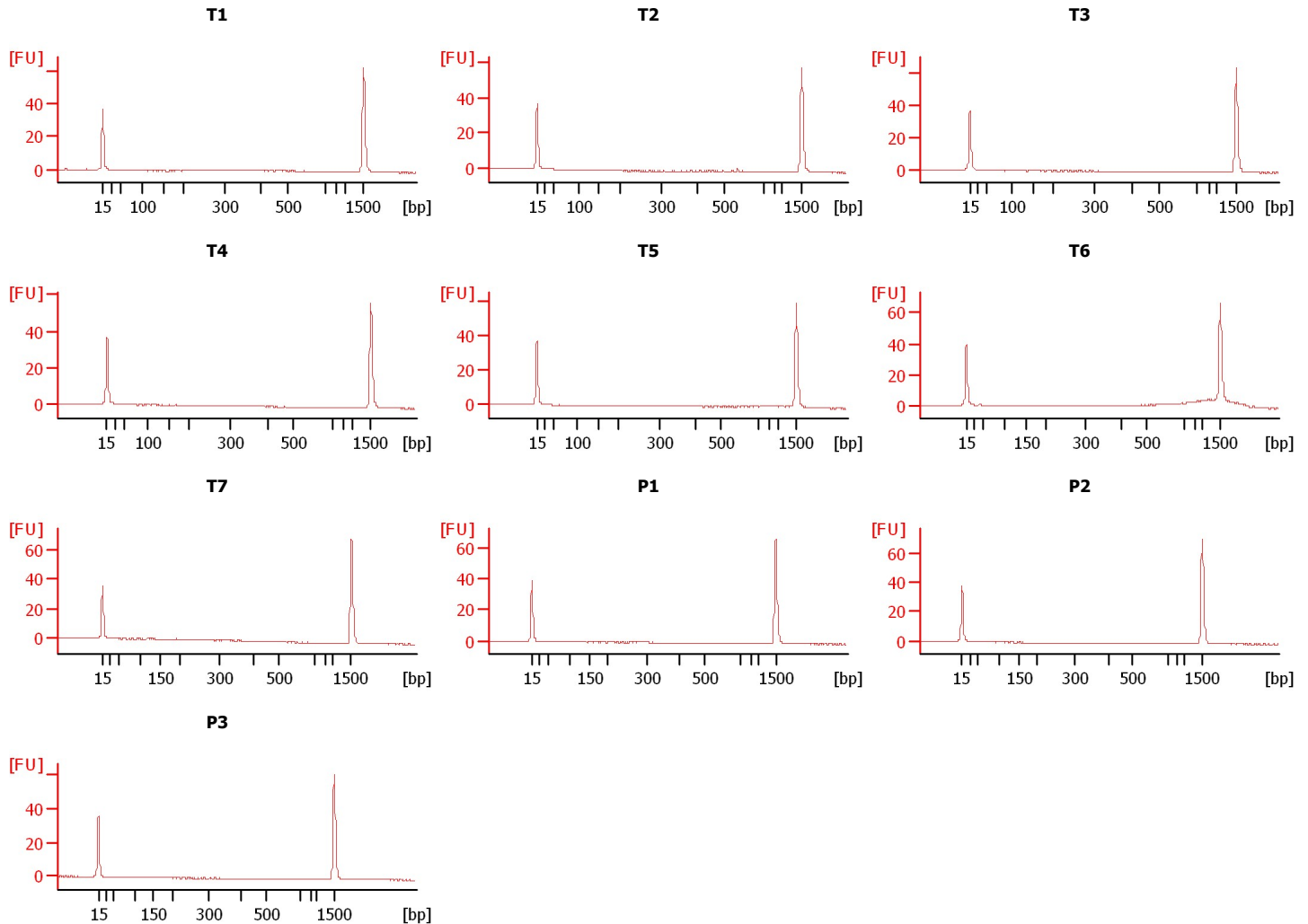
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: DNA 1000  
 Data Path: C:\...Cahan-4-22-2014\_DNA 1000\_DE20901668\_2014-04-22\_08-45-23.xad

Created: 4/22/2014 8:45:22 AM  
 Modified: 4/22/2014 9:31:01 AM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
T1		<input type="checkbox"/>	✓			
T2		<input type="checkbox"/>	✓			
T3		<input type="checkbox"/>	✓			
T4		<input type="checkbox"/>	✓			
T5		<input type="checkbox"/>	✓			
T6		<input type="checkbox"/>	✓			
T7		<input type="checkbox"/>	✓			
P1		<input type="checkbox"/>	✓			
P2		<input type="checkbox"/>	✓			
P3		<input type="checkbox"/>	✓			
Sample 11		<input type="checkbox"/>				
Sample 12		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

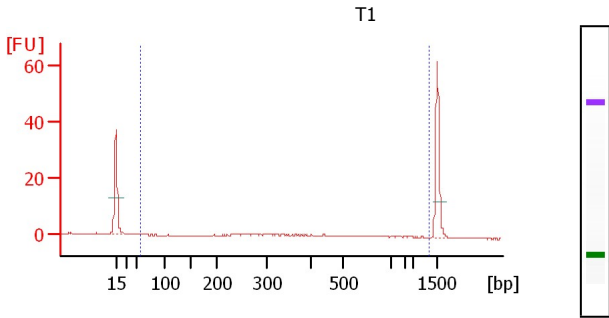
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: DNA 1000  
 Data Path: C:\...Cahan-4-22-2014\_DNA 1000\_DE20901668\_2014-04-22\_08-45-23.xad

Created: 4/22/2014 8:45:22 AM  
 Modified: 4/22/2014 9:31:01 AM

**Electropherogram Summary**



**Peak table for sample 1 :** T1

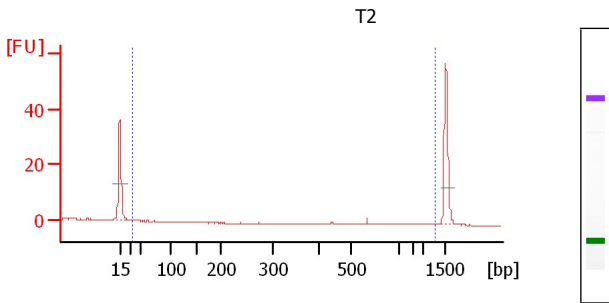
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

**Overall Results for sample 1 :** T1

Number of peaks found: 0  
 Area 1: 22.4

**Region table for sample 1 :** T1

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution	Conc. in [ng/μl]	Color
56	1,323	22.4	82	468	50.4	1.12	Blue



**Peak table for sample 2 :** T2

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

**Overall Results for sample 2 :** T2

Number of peaks found: 0  
 Area 1: 6.2

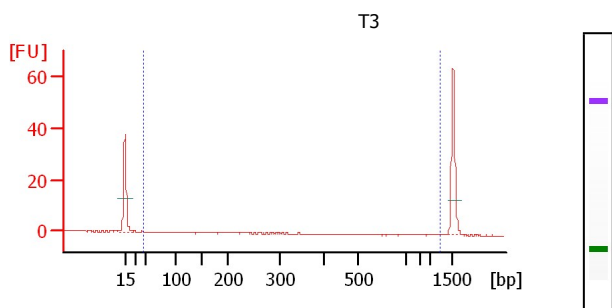
**Region table for sample 2 :** T2

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution	Conc. in [ng/μl]	Color
29	1,256	6.2	58	746	32.1	0.28	Blue

Assay Class: DNA 1000  
 Data Path: C:\...Cahan-4-22-2014\_DNA 1000\_DE20901668\_2014-04-22\_08-45-23.xad

Created: 4/22/2014 8:45:22 AM  
 Modified: 4/22/2014 9:31:01 AM

**Electropherogram Summary Continued ...**



**Peak table for sample 3 :** T3

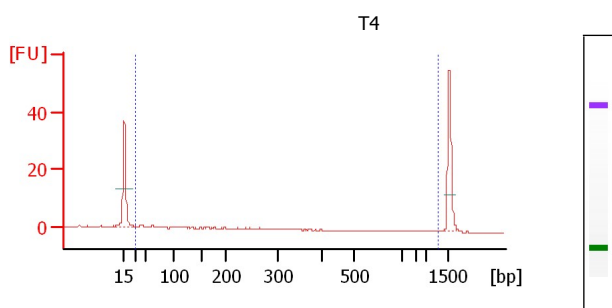
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

**Overall Results for sample 3 :** T3

Number of peaks found: 0  
 Area 1: 1.5

**Region table for sample 3 :** T3

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution	Conc. in [ng/μl]	Color
42	1,239	1.5	37	711	52.6	0.07	Blue



**Peak table for sample 4 :** T4

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

**Overall Results for sample 4 :** T4

Number of peaks found: 0  
 Area 1: 23.5

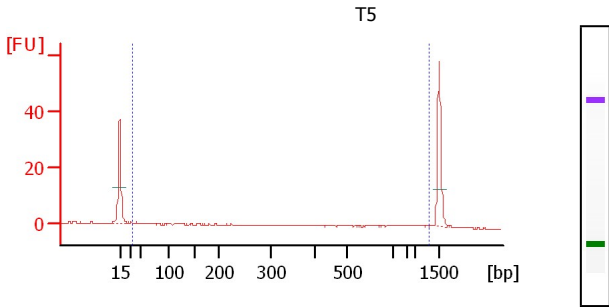
**Region table for sample 4 :** T4

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution	Conc. in [ng/μl]	Color
25	1,251	23.5	77	323	85.8	1.78	Blue

Assay Class: DNA 1000  
 Data Path: C:\...Cahan-4-22-2014\_DNA 1000\_DE20901668\_2014-04-22\_08-45-23.xad

Created: 4/22/2014 8:45:22 AM  
 Modified: 4/22/2014 9:31:01 AM

**Electropherogram Summary Continued ...**



**Peak table for sample 5 :** T5

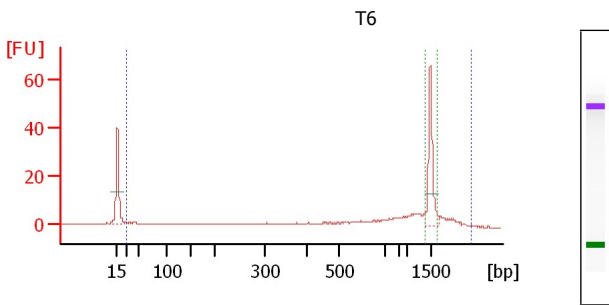
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

**Overall Results for sample 5 :** T5

Number of peaks found: 0  
 Area 1: 18.4

**Region table for sample 5 :** T5

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in [ng/μl]	Conc. [ng/μl]	Color
30	1,295	18.4	78	604	53.1	0.99	Blue



**Peak table for sample 6 :** T6

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

**Overall Results for sample 6 :** T6

Number of peaks found: 0  
 Area 1: 127.3  
 Area 2: 0.5

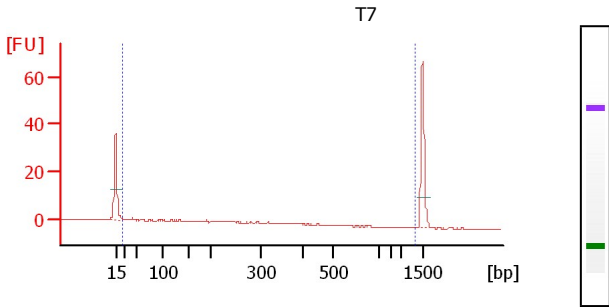
**Region table for sample 6 :** T6

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in [ng/μl]	Conc. [ng/μl]	Color
24	2,418	127.3	95	1,083	53.4	5.00	Blue
1,366	1,650	0.5	0	1,506	3.4	0.02	Green

Assay Class: DNA 1000  
 Data Path: C:\...Cahan-4-22-2014\_DNA 1000\_DE20901668\_2014-04-22\_08-45-23.xad

Created: 4/22/2014 8:45:22 AM  
 Modified: 4/22/2014 9:31:01 AM

**Electropherogram Summary Continued ...**



**Peak table for sample 7 :** T7

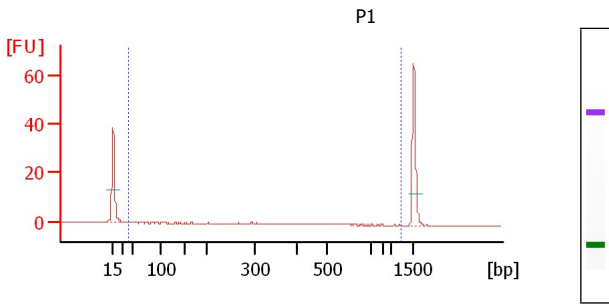
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

**Overall Results for sample 7 :** T7

Number of peaks found: 0  
 Area 1: 23.6

**Region table for sample 7 :** T7

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in	Conc. [ng/μl]	Color
22	1,313	23.6	89	210	60.0	1.65	Blue



**Peak table for sample 8 :** P1

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

**Overall Results for sample 8 :** P1

Number of peaks found: 0  
 Area 1: 3.2

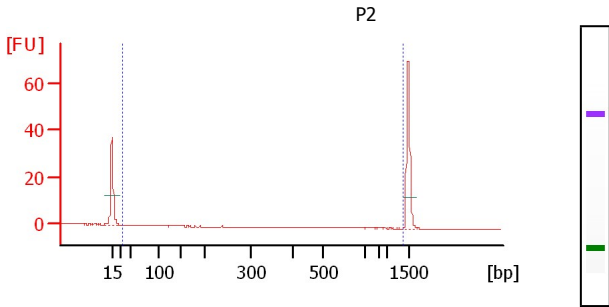
**Region table for sample 8 :** P1

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in	Conc. [ng/μl]	Color
37	1,205	3.2	56	386	60.2	0.18	Blue

Assay Class: DNA 1000  
 Data Path: C:\...Cahan-4-22-2014\_DNA 1000\_DE20901668\_2014-04-22\_08-45-23.xad

Created: 4/22/2014 8:45:22 AM  
 Modified: 4/22/2014 9:31:01 AM

**Electropherogram Summary Continued ...**



**Peak table for sample 9 :** P2

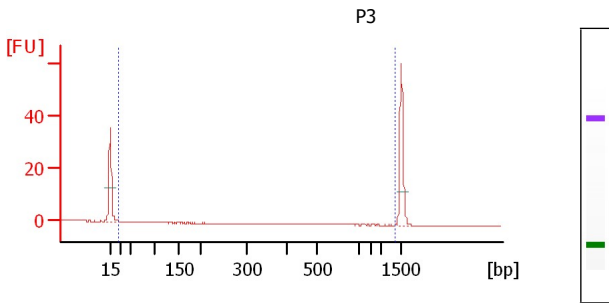
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

**Overall Results for sample 9 :** P2

Number of peaks found: 0  
 Area 1: 0.0

**Region table for sample 9 :** P2

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution	Conc. in [ng/μl]	Color
28	1,386	0.0	0	0	0.0	0.00	Blue



**Peak table for sample 10 :** P3

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	15	4.20	424.2	Lower Marker
2	1,500	2.10	2.1	Upper Marker

**Overall Results for sample 10 :** P3

Number of peaks found: 0  
 Area 1: 0.2

**Region table for sample 10 :** P3

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution	Conc. in [ng/μl]	Color
25	1,344	0.2	23	585	17.4	0.01	Blue