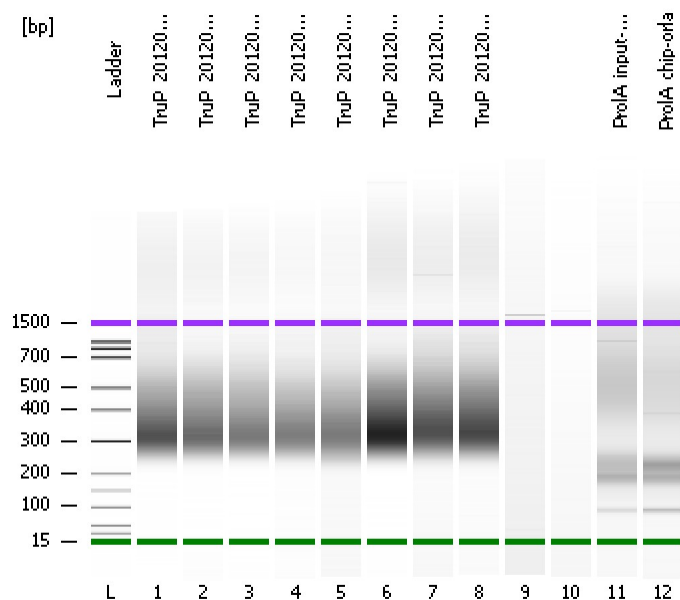


Assay Class: DNA 1000
Data Path: C:\...012-05-15\63-69_DNA 1000_DE54700446_2012-05-15_12-24-56.xad

Created: 15/05/2012 12:24:56 PM
Modified: 15/05/2012 1:38:57 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: instrument 2
Serial#: DE54700446
Firmware: C.01.069
Type: G2939A

Assay Information:

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

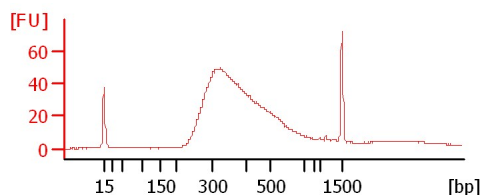
Assay Class: DNA 1000
Version: 2.3
Assay Comments: DNA Analysis 25 -1000 bp

© Copyright 2003-2009 Agilent Technologies, Inc.

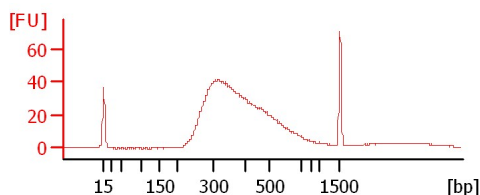
Chip Information:

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

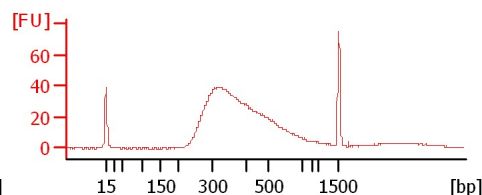
TruP_20120501-0001



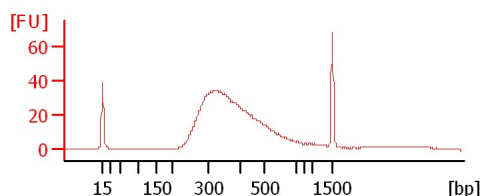
TruP_20120501-0002



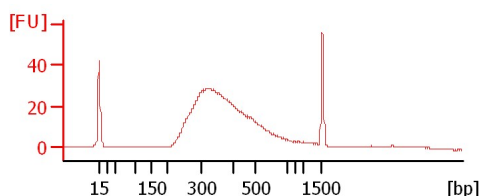
TruP_20120501-0003



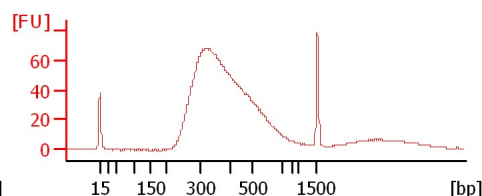
TruP_20120501-0004



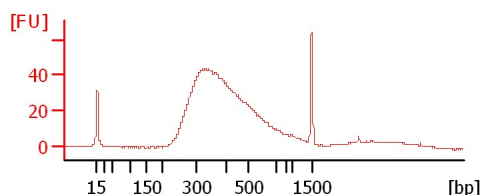
TruP_20120501-0005



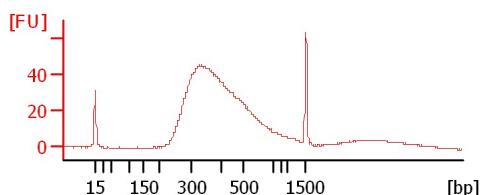
TruP_20120501-0006



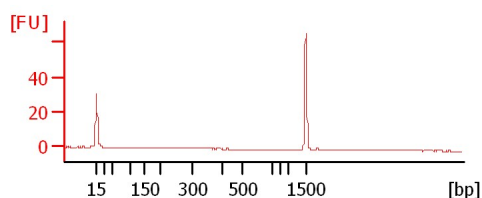
TruP_20120501-0007



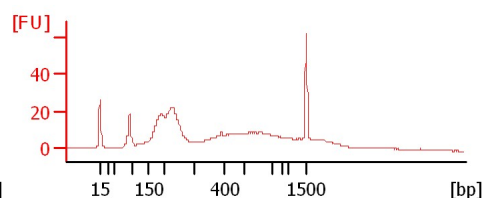
TruP_20120501-0008



ProlA_input-orla



ProlA_chip-orla



Assay Class: DNA 1000
Data Path: C:\...012-05-15\63-69_DNA 1000_DE54700446_2012-05-15_12-24-56.xad

Created: 15/05/2012 12:24:56 PM
Modified: 15/05/2012 1:38:57 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
TruP_20120501-0001		☐		✓		
TruP_20120501-0002		☐		✓		
TruP_20120501-0003		☐		✓		
TruP_20120501-0004		☐		✓		
TruP_20120501-0005		☐		✓		
TruP_20120501-0006		☐		✓		
TruP_20120501-0007		☐		✓		
TruP_20120501-0008		☐		✓		
		☐		✓		
		☐		✓		
ProA_input-orla		☐		✓		
ProA_chip-orla		☐		✓		

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

Assay Class: DNA 1000
Data Path: C:\...012-05-15\63-69_DNA 1000_DE54700446_2012-05-15_12-24-56.xad

Created: 15/05/2012 12:24:56 PM
Modified: 15/05/2012 1:38:57 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 30
Maximum Visible Range [s] : 129
Start Analysis Time Range [s] : 30
End Analysis Time Range [s] : 128.95
Ladder Concentration [ng/μl] : 44
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [ng/μl] : 4.2
Upper Marker Concentration [ng/μl] : 2.1
Used Upper Marker for Quantitation
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 30
Integration End Time [s] : 128.95
Slope Threshold : 0.5
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

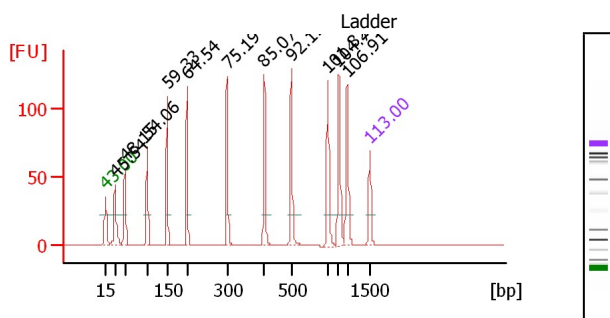
Ladder

Ladder Peak	Size	Area
1	15	25
2	25	26
3	50	34
4	100	41
5	150	45
6	200	52
7	300	63
8	400	76
9	500	83
10	700	88
11	850	86
12	1000	90
13	1500	52

Assay Class: DNA 1000
 Data Path: C:\...012-05-15\63-69_DNA 1000_DE54700446_2012-05-15_12-24-56.xad

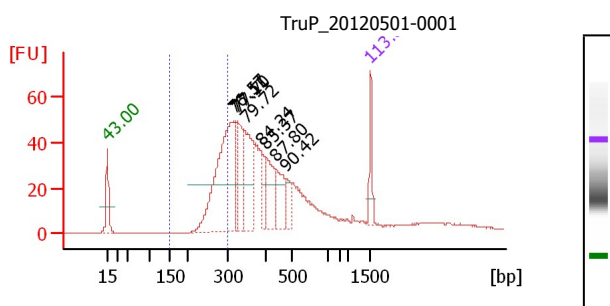
Created: 15/05/2012 12:24:56 PM
 Modified: 15/05/2012 1:38:57 PM

Electropherogram Summary



Peak table for Ladder

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Area	Peak Height	Peak Width
1	15	4.20	424.2	Lower Marker	25.0	35.2	2.8
2	25	4.00	242.4	Ladder Peak	26.2	43.9	3.0
3	50	4.00	121.2	Ladder Peak	34.4	56.2	1.7
4	100	4.00	60.6	Ladder Peak	41.2	71.0	2.0
5	150	4.00	40.4	Ladder Peak	45.0	108.6	1.6
6	200	4.00	30.3	Ladder Peak	52.0	115.7	1.7
7	300	4.00	20.2	Ladder Peak	63.4	122.5	2.0
8	400	4.00	15.2	Ladder Peak	76.2	123.7	2.3
9	500	4.00	12.1	Ladder Peak	82.9	127.8	3.4
10	700	4.00	8.7	Ladder Peak	87.7	120.0	2.8
11	850	4.00	7.1	Ladder Peak	86.1	123.8	2.1
12	1,000	4.00	6.1	Ladder Peak	89.8	117.2	2.7
13	1,500	2.10	2.1	Upper Marker	52.0	68.6	2.4



Peak table for sample 1 : TruP_20120501-0001

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Area	Peak Height	Peak Width
1	15	4.20	424.2	Lower Marker	25.2	37.3	3.8
2	314	15.30	73.8		220.7	48.5	12.4
3	319	1.65	7.8		24.0	48.8	0.6
4	325	5.32	24.8		78.5	48.2	2.0
5	346	5.91	25.9		90.6	44.5	2.6
6	392	1.57	6.1		26.1	33.6	1.0
7	404	3.52	13.2		59.6	31.8	2.4
8	439	3.09	10.7		53.9	26.9	2.6
9	476	1.83	5.8		32.9	22.3	1.8
10	1,500	2.10	2.1	Upper Marker	46.0	68.7	2.7

Overall Results for sample 1 : TruP_20120501-0001

Number of peaks found: 8

Area 1: 151.9

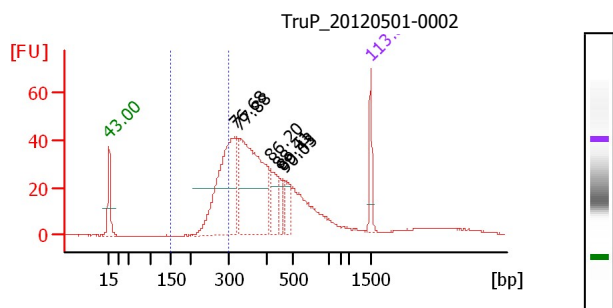
Region table for sample 1 : TruP_20120501-0001

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Molarity [nmol/l]	Conc. [ng/μl]	Co r
150	300	151.9	18	275	6.5	62.3	11.33	

Assay Class: DNA 1000
 Data Path: C:\...012-05-15\63-69_DNA 1000_DE54700446_2012-05-15_12-24-56.xad

Created: 15/05/2012 12:24:56 PM
 Modified: 15/05/2012 1:38:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : TruP_20120501-0002

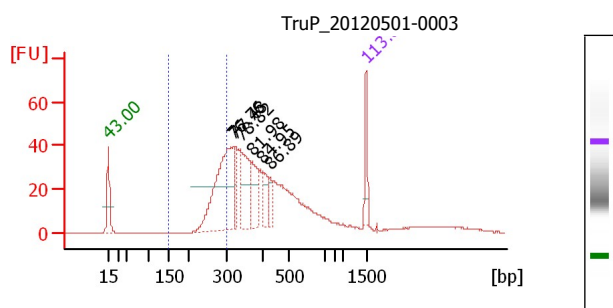
Number of peaks found: 6
 Area 1: 126.6

Region table for sample 2 : TruP_20120501-0002

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Molarity [nmol/l]	Conc. [ng/μl]	Co r
150	300	126.6	17	276	6.3	52.7	9.60	

Peak table for sample 2 : TruP_20120501-0002

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Area	Peak Height	Peak Width
1	15	4.20	424.2	Lower Marker	25.5	37.7	3.7
2	315	13.25	63.7		188.2	41.3	11.4
3	327	16.25	75.2		236.4	40.7	8.3
4	416	2.84	10.3		47.7	27.4	2.2
5	447	1.10	3.7		19.0	24.7	1.0
6	462	0.65	2.1		11.4	23.5	0.6
7	470	1.94	6.2		34.1	22.5	1.9
8	1,500	2.10	2.1	Upper Marker	45.2	69.3	2.3



Overall Results for sample 3 : TruP_20120501-0003

Number of peaks found: 6
 Area 1: 119.0

Region table for sample 3 : TruP_20120501-0003

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Molarity [nmol/l]	Conc. [ng/μl]	Co r
150	300	119.0	17	275	6.5	51.6	9.37	

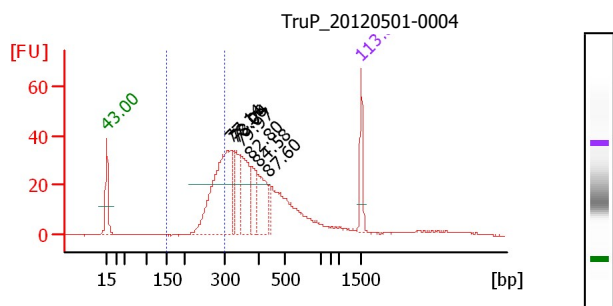
Peak table for sample 3 : TruP_20120501-0003

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Area	Peak Height	Peak Width
1	15	4.20	424.2	Lower Marker	26.3	39.1	3.7
2	316	12.86	61.7		176.3	38.2	11.7
3	323	1.87	8.8		26.0	37.9	0.8
4	337	5.74	25.8		81.9	36.5	3.0
5	369	3.39	13.9		51.3	30.4	2.2
6	399	2.35	8.9		37.4	25.8	1.9
7	426	1.13	4.0		18.4	22.6	1.0
8	1,500	2.10	2.1	Upper Marker	43.6	70.7	1.7

Assay Class: DNA 1000
 Data Path: C:\...012-05-15\63-69_DNA 1000_DE54700446_2012-05-15_12-24-56.xad

Created: 15/05/2012 12:24:56 PM
 Modified: 15/05/2012 1:38:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : TruP_20120501-0004

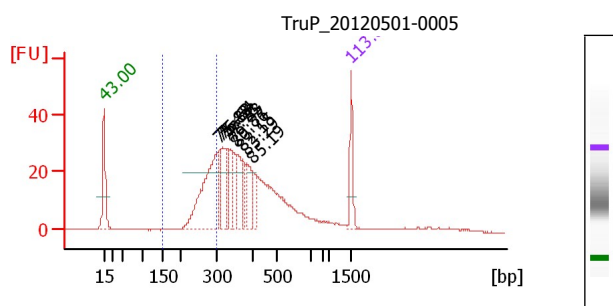
Number of peaks found: 7
 Area 1: 106.8

Region table for sample 4 : TruP_20120501-0004

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Molarity [nmol/l]	Conc. [ng/μl]	Co r
150	300	106.8	18	274	7.1	43.3	7.82	

Peak table for sample 4 : TruP_20120501-0004

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Area	Peak Height	Peak Width
1	15	4.20	424.2	Lower Marker	26.2	38.9	4.2
2	320	11.66	55.3		173.7	34.3	12.1
3	329	1.33	6.1		20.2	34.4	0.7
4	336	2.34	10.5		35.9	33.8	1.4
5	348	4.43	19.3		69.7	32.0	2.9
6	377	2.13	8.6		35.2	27.3	1.7
7	395	3.18	12.2		54.2	24.5	3.0
8	436	0.61	2.1		10.8	20.1	0.7
9	1,500	2.10	2.1	Upper Marker	47.0	67.0	2.5



Overall Results for sample 5 : TruP_20120501-0005

Number of peaks found: 10
 Area 1: 103.7

Region table for sample 5 : TruP_20120501-0005

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Molarity [nmol/l]	Conc. [ng/μl]	Co r
150	300	103.7	20	270	8.1	52.7	9.37	

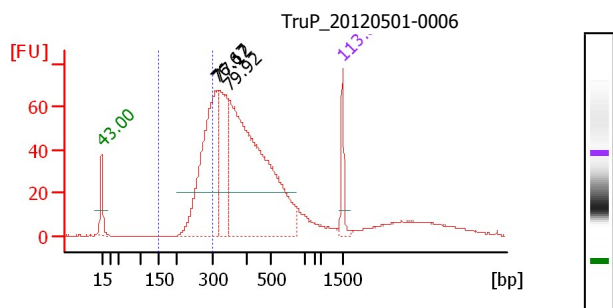
Peak table for sample 5 : TruP_20120501-0005

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Area	Peak Height	Peak Width
1	15	4.20	424.2	Lower Marker	29.9	42.4	3.9
2	302	9.21	46.1		108.2	27.4	10.3
3	307	1.40	6.9		16.6	28.3	0.8
4	315	2.60	12.5		31.3	28.9	1.4
5	326	1.26	5.9		15.5	28.5	0.7
6	336	1.98	8.9		24.8	28.3	1.1
7	347	1.14	5.0		14.6	27.0	0.7
8	356	2.33	9.9		30.4	26.3	1.5
9	370	1.33	5.5		17.8	24.4	1.0
10	382	2.24	8.9		30.5	23.4	1.8
11	402	1.33	5.0		18.7	20.4	1.2
12	1,500	2.10	2.1	Upper Marker	38.3	56.0	2.7

Assay Class: DNA 1000
 Data Path: C:\...012-05-15\63-69_DNA 1000_DE54700446_2012-05-15_12-24-56.xad

Created: 15/05/2012 12:24:56 PM
 Modified: 15/05/2012 1:38:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : TruP_20120501-0006

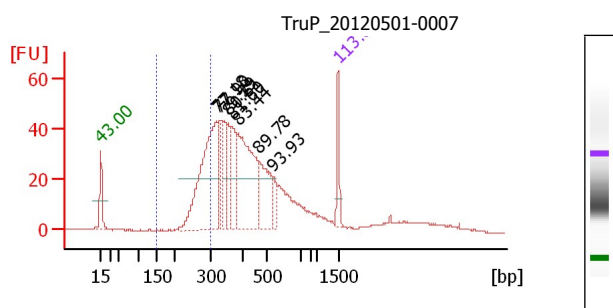
Number of peaks found: 3
 Area 1: 190.5

Region table for sample 6 : TruP_20120501-0006

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Molarity [nmol/l]	Conc. [ng/μl]	Co r
150	300	190.5	16	275	6.7	66.4	12.03	■

Peak table for sample 6 : TruP_20120501-0006

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Area	Peak Height	Peak Width
1	15	4.20	424.2	Lower Marker	24.7	37.5	3.7
2	315	16.59	79.8		283.5	68.3	12.3
3	320	8.49	40.2		146.3	68.2	2.9
4	348	31.73	138.2		577.1	63.8	19.7
5	1,500	2.10	2.1	Upper Marker	54.4	78.2	3.4



Overall Results for sample 7 : TruP_20120501-0007

Number of peaks found: 8
 Area 1: 109.9

Region table for sample 7 : TruP_20120501-0007

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Molarity [nmol/l]	Conc. [ng/μl]	Co r
150	300	109.9	13	275	6.7	53.0	9.63	■

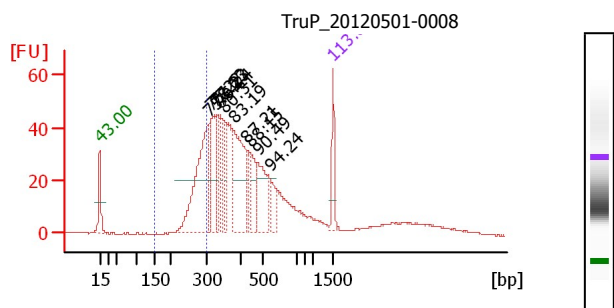
Peak table for sample 7 : TruP_20120501-0007

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Area	Peak Height	Peak Width
1	15	4.20	424.2	Lower Marker	20.2	31.8	4.7
2	320	14.82	70.1		184.2	43.7	11.7
3	327	2.08	9.6		26.2	44.0	0.8
4	341	2.83	12.5		36.6	43.3	1.1
5	355	1.89	8.1		25.1	42.8	0.8
6	365	4.30	17.8		58.0	41.5	1.9
7	384	11.13	44.0		155.4	38.4	6.3
8	467	5.01	16.3		76.1	27.2	4.2
9	538	1.15	3.2		18.1	20.3	1.3
10	1,500	2.10	2.1	Upper Marker	39.2	63.3	2.6

Assay Class: DNA 1000
 Data Path: C:\...012-05-15\63-69_DNA 1000_DE54700446_2012-05-15_12-24-56.xad

Created: 15/05/2012 12:24:56 PM
 Modified: 15/05/2012 1:38:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : TruP_20120501-0008

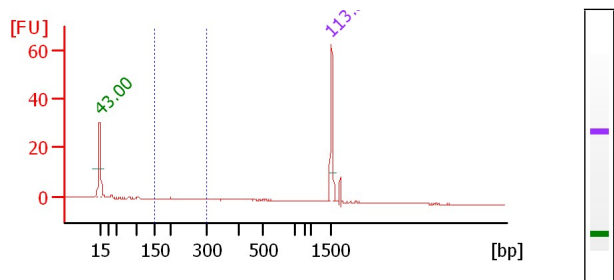
Number of peaks found: 11
 Area 1: 115.8

Region table for sample 8 : TruP_20120501-0008

From [bp]	To [bp]	Area [bp]	% of Total	Average Size [bp]	Size distribution in CV [%]	Molarity [nmol/l]	Conc. [ng/μl]	Co lor
150	300	115.8	14	275	6.8	56.7	10.29	Blue

Peak table for sample 8 : TruP_20120501-0008

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Area	Peak Height	Peak Width
1	15	4.20	424.2	Lower Marker	19.2	31.2	3.7
2	304	11.11	55.3		132.0	41.3	10.1
3	310	2.12	10.4		25.5	43.3	0.8
4	325	3.57	16.6		44.1	45.1	1.3
5	331	2.67	12.2		33.4	45.3	1.0
6	341	2.91	12.9		37.1	44.7	1.1
7	352	2.44	10.5		31.7	42.9	1.0
8	381	7.67	30.5		105.1	39.0	4.0
9	430	1.37	4.8		20.0	31.4	0.9
10	444	3.06	10.4		44.9	29.9	2.1
11	477	4.18	13.3		63.2	26.5	3.6
12	544	1.80	5.0		28.1	20.0	2.1
13	1,500	2.10	2.1	Upper Marker	38.6	61.9	2.3



Overall Results for sample 9 :

Number of peaks found: 0
 Area 1: 0.9

Region table for sample 9 :

From [bp]	To [bp]	Area [bp]	% of Total	Average Size [bp]	Size distribution in CV [%]	Molarity [nmol/l]	Conc. [ng/μl]	Co lor
150	300	0.9	7	246	15.2	0.5	0.08	Blue

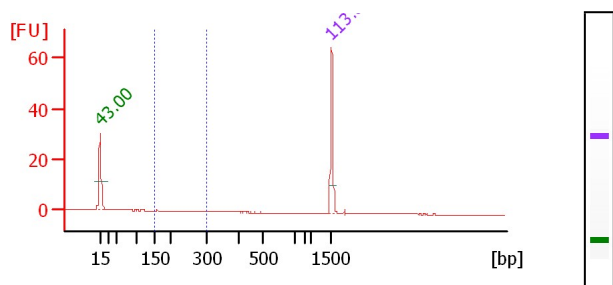
Peak table for sample 9 :

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Area	Peak Height	Peak Width
1	15	4.20	424.2	Lower Marker	18.8	30.9	3.6
2	1,500	2.10	2.1	Upper Marker	39.0	64.3	2.6

Assay Class: DNA 1000
 Data Path: C:\...012-05-15\63-69_DNA 1000_DE54700446_2012-05-15_12-24-56.xad

Created: 15/05/2012 12:24:56 PM
 Modified: 15/05/2012 1:38:57 PM

Electropherogram Summary Continued ...



Peak table for sample 10 :

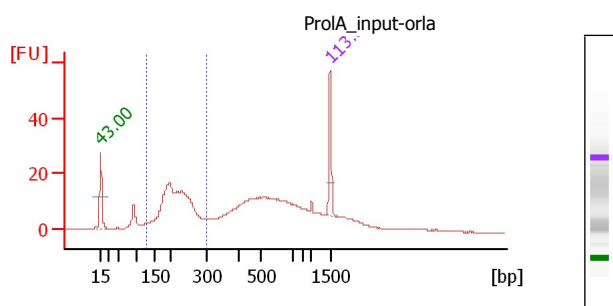
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Area	Peak Height	Peak Width
1	15	4.20	424.2	Lower Marker	18.3	30.2	4.1
2	1,500	2.10	2.1	Upper Marker	41.2	66.4	2.6

Overall Results for sample 10 :

Number of peaks found: 0
 Area 1: 0.4

Region table for sample 10 :

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Molarity [nmol/l]	Conc. [ng/μl]	Co lor
150	300	0.4	14	200	16.5	0.3	0.04	Blue



Peak table for sample 11 : ProlA_input-ora

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Area	Peak Height	Peak Width
1	15	4.20	424.2	Lower Marker	16.7	27.4	4.5
2	1,500	2.10	2.1	Upper Marker	32.4	52.8	2.8

Overall Results for sample 11 : ProlA_input-ora

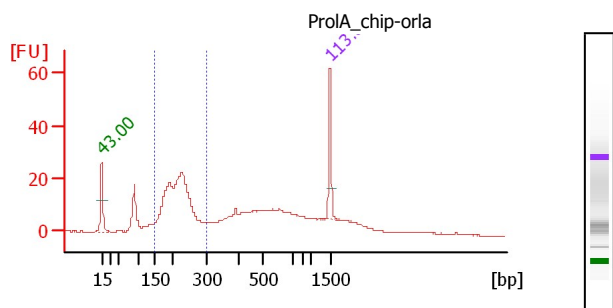
Number of peaks found: 0
 Area 1: 122.6

Region table for sample 11 : ProlA_input-ora

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Molarity [nmol/l]	Conc. [ng/μl]	Co lor
127	300	122.6	29	216	17.5	107.3	14.74	Blue

Assay Class: DNA 1000
Data Path: C:\...012-05-15\63-69_DNA 1000_DE54700446_2012-05-15_12-24-56.xad

Created: 15/05/2012 12:24:56 PM
Modified: 15/05/2012 1:38:57 PM

Electropherogram Summary Continued ...**Peak table for sample 12 : ProIA_chip-orla**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Area	Peak Height	Peak Width
1	15	4.20	424.2	Lower Marker	16.2	26.5	3.9
2	1,500	2.10	2.1	Upper Marker	34.2	57.1	3.0

Overall Results for sample 12 : ProIA_chip-orla

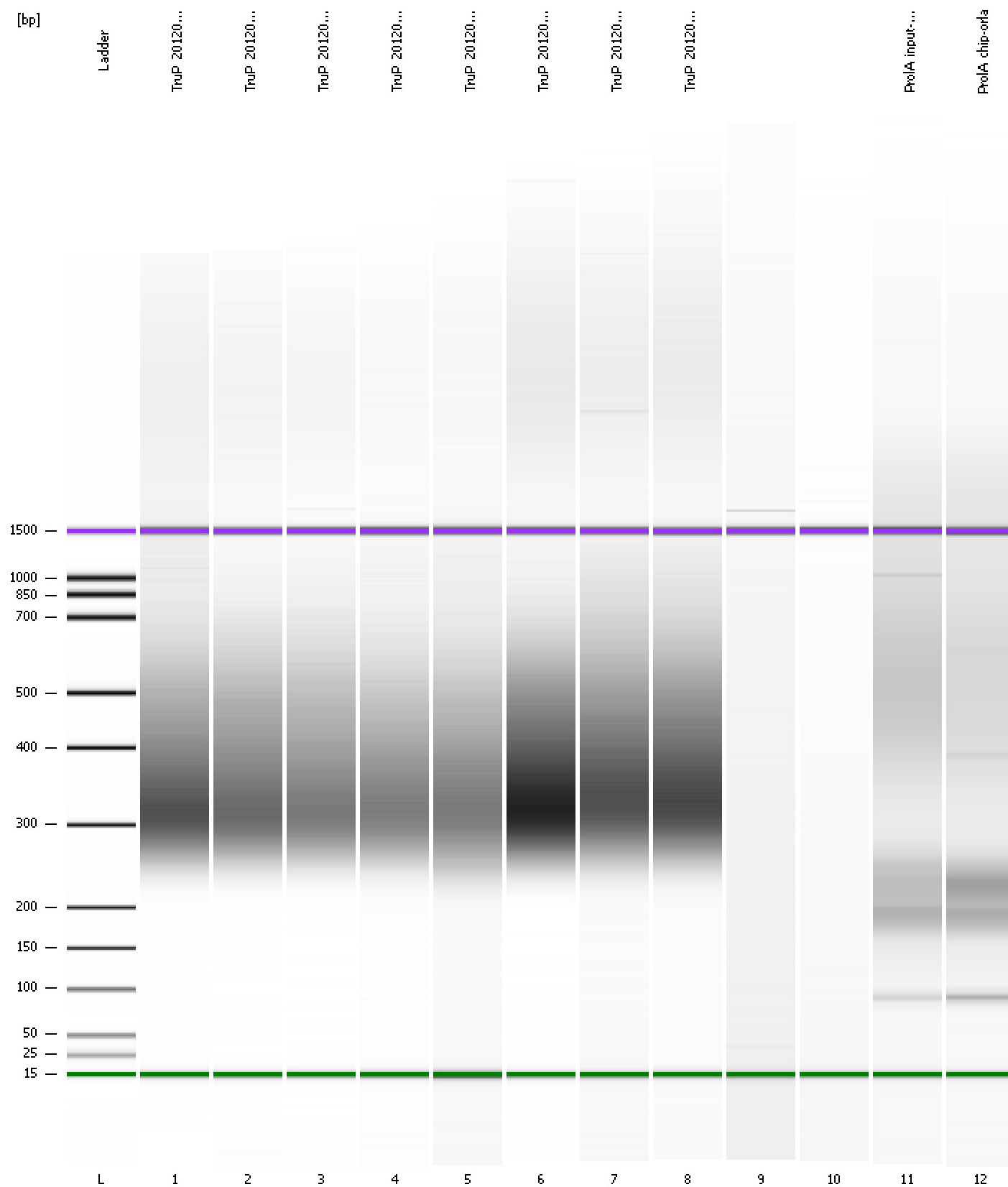
Number of peaks found: 0
Area 1: 143.8

Region table for sample 12 : ProIA_chip-orla

From [bp]	To [bp]	Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Molarity [nmol/l]	Conc. [ng/μl]	Co
150	300	143.8	35	218	15.0	115.9	16.30	

Assay Class: DNA 1000
Data Path: C:\...012-05-15\63-69_DNA 1000_DE54700446_2012-05-15_12-24-56.xad

Created: 15/05/2012 12:24:56 PM
Modified: 15/05/2012 1:38:57 PM

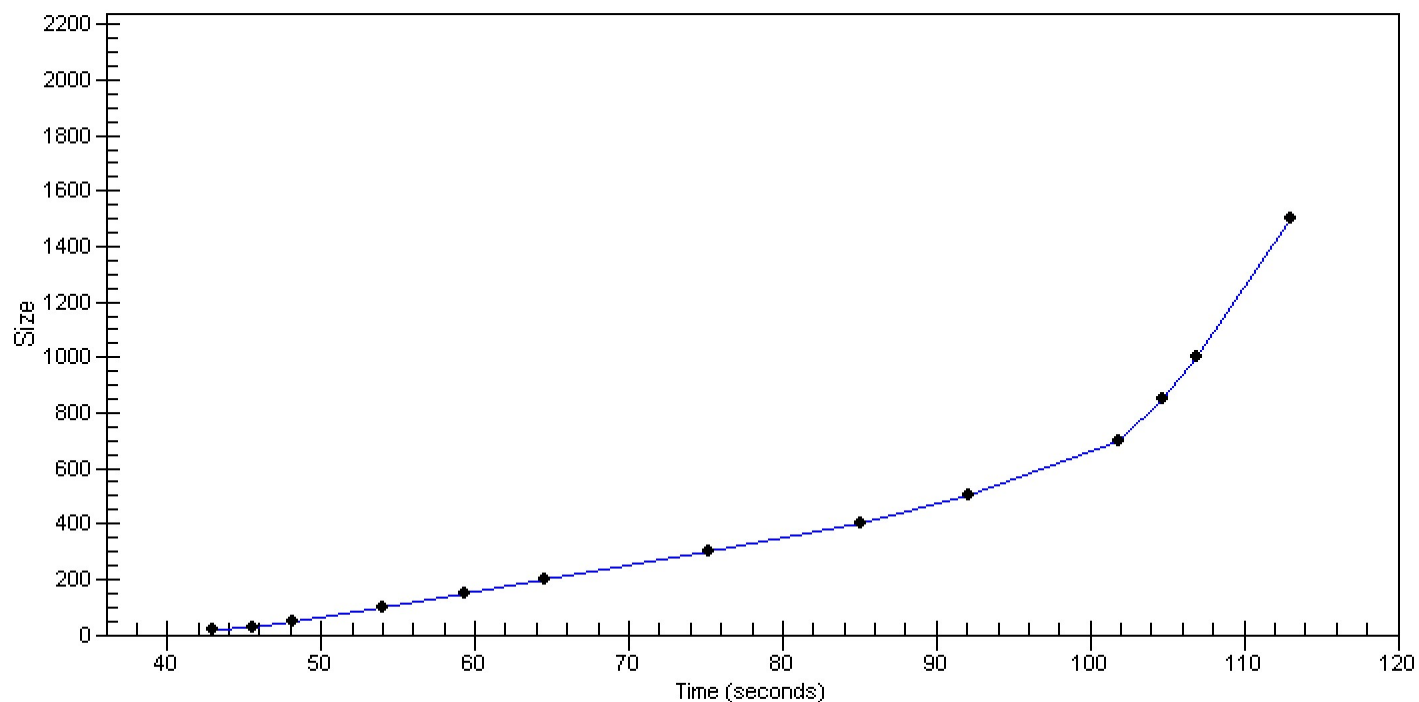
Gel Image

Assay Class: DNA 1000
Data Path: C:\...012-05-15\63-69_DNA 1000_DE54700446_2012-05-15_12-24-56.xad

Created: 15/05/2012 12:24:56 PM
Modified: 15/05/2012 1:38:57 PM

Curves

Standard Curve



Assay Class: DNA 1000
 Data Path: C:\...012-05-15\63-69_DNA 1000_DE54700446_2012-05-15_12-24-56.xad

Created: 15/05/2012 12:24:56 PM
 Modified: 15/05/2012 1:38:57 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time Stamp	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		15/05/2012 1:06:43 PM	(GMT +10:00) E. Australia Standard Time	ssong	DI
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2012-05-15\63-69_DNA 1000_DE54700446_2012-05-15_12-24-56.xad)		Instrument	Run		15/05/2012 12:25:01 PM	(GMT +10:00) E. Australia Standard Time	ssong	DI
Product Number : G2939A		Instrument	Run		15/05/2012 12:25:01 PM	(GMT +10:00) E. Australia Standard Time	ssong	DI
Name : instrument 2		Instrument	Run		15/05/2012 12:25:01 PM	(GMT +10:00) E. Australia Standard Time	ssong	DI
Vendor : Agilent Technologies		Instrument	Run		15/05/2012 12:25:01 PM	(GMT +10:00) E. Australia Standard Time	ssong	DI
Serial# : DE54700446		Instrument	Run		15/05/2012 12:25:01 PM	(GMT +10:00) E. Australia Standard Time	ssong	DI
Firmware : C.01.069		Instrument	Run		15/05/2012 12:25:01 PM	(GMT +10:00) E. Australia Standard Time	ssong	DI
Cartridge : Electrode		Instrument	Run		15/05/2012 12:25:01 PM	(GMT +10:00) E. Australia Standard Time	ssong	DI