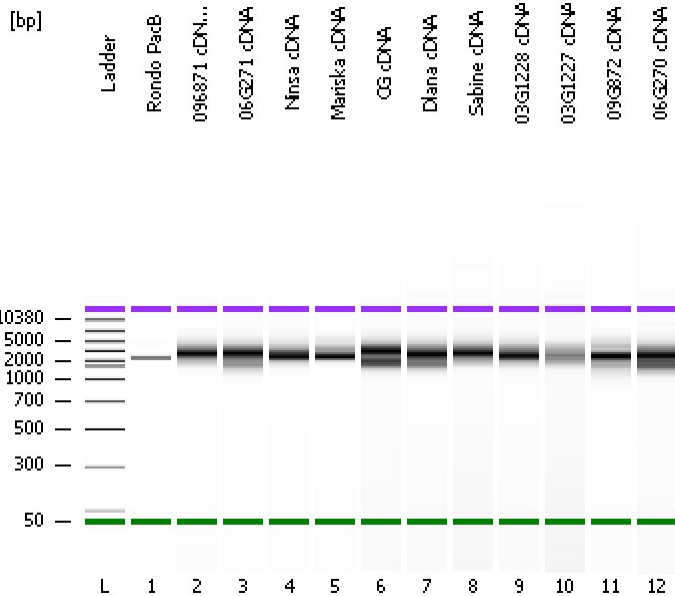


Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-12\2013-03-12_001.xad

Created: 3/12/2013 1:45:15 PM
 Modified: 3/12/2013 2:23:58 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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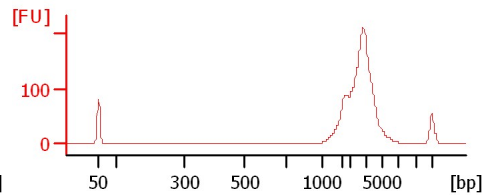
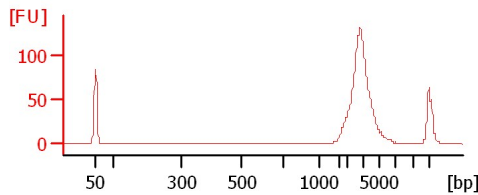
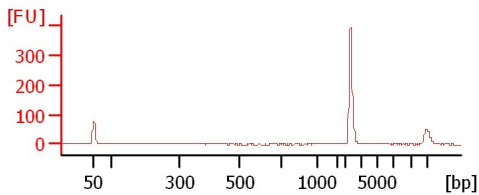
Chip Information:

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

Rondo PacB

096871 cDNA 1:2

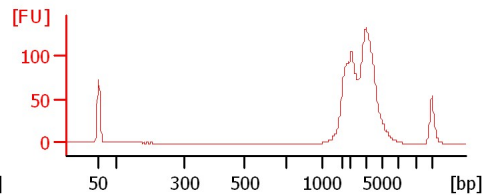
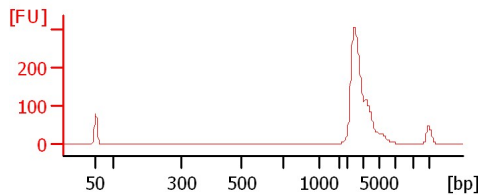
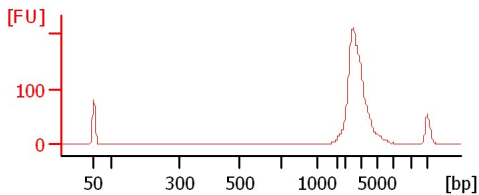
06G271 cDNA



Ninsa cDNA

Mariska cDNA

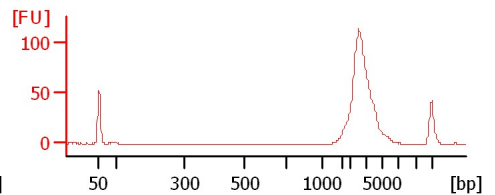
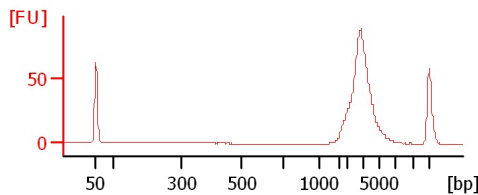
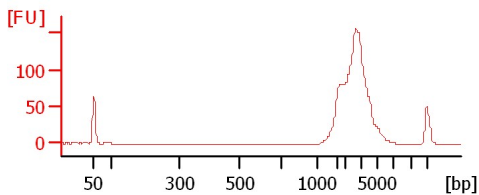
CG cDNA



Diana cDNA

Sabine cDNA

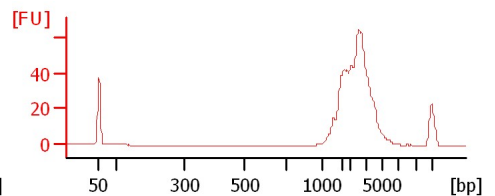
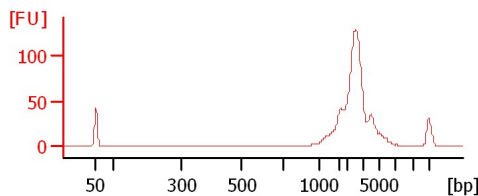
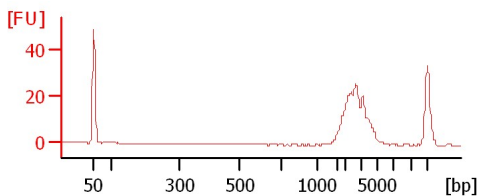
03G1228 cDNA



03G1227 cDNA

09G872 cDNA

06G270 cDNA



Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-12\2013-03-12_001.xad

Created: 3/12/2013 1:45:15 PM
Modified: 3/12/2013 2:23:58 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Rondo PacB		<input type="checkbox"/>	✓			
096871 cDNA 1:2		<input type="checkbox"/>	✓			
06G271 cDNA		<input type="checkbox"/>	✓			
Ninsa cDNA		<input type="checkbox"/>	✓			
Mariska cDNA		<input type="checkbox"/>	✓			
CG cDNA		<input type="checkbox"/>	✓			
Diana cDNA		<input type="checkbox"/>	✓			
Sabine cDNA		<input type="checkbox"/>	✓			
03G1228 cDNA		<input type="checkbox"/>	✓			
03G1227 cDNA		<input type="checkbox"/>	✓			
09G872 cDNA		<input type="checkbox"/>	✓			
06G270 cDNA		<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\2013-03-12\2013-03-12_001.xad

Created: 3/12/2013 1:45:15 PM
Modified: 3/12/2013 2:23:58 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

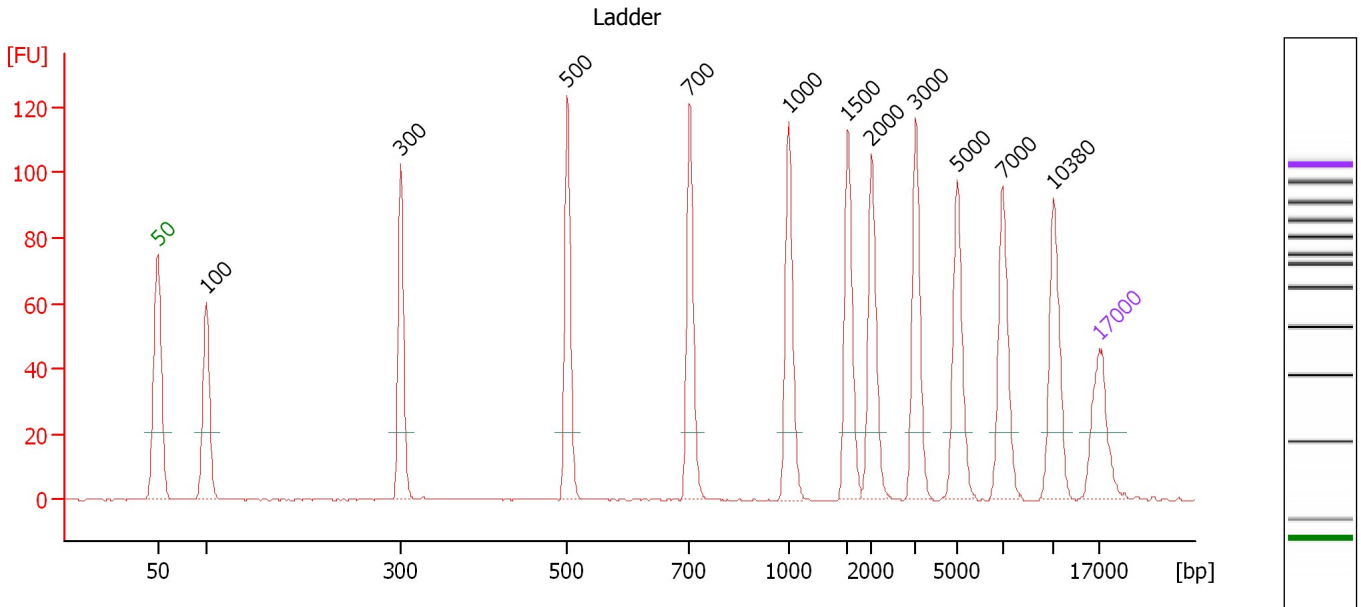
Ladder

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\2013-03-12\2013-03-12_001.xad

Created: 3/12/2013 1:45:15 PM
 Modified: 3/12/2013 2:23:58 PM

Electropherogram Summary



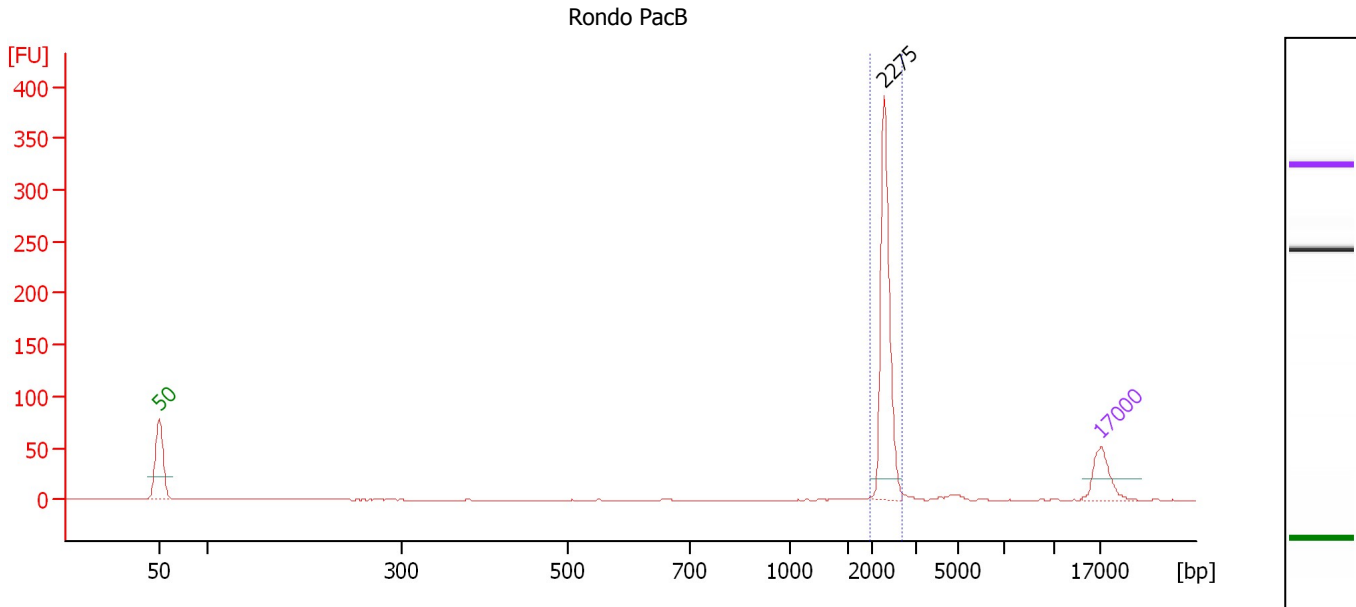
Peak table for Ladder

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\2013-03-12\2013-03-12_001.xad

Created: 3/12/2013 1:45:15 PM
 Modified: 3/12/2013 2:23:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Rondo PacB

Number of peaks found: 1 Area: 200.9

Peak table for sample 1 : Rondo PacB

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	2,275	19.50	13.0	
3	17,000	4.20	0.4	Upper Marker

Region table for sample 1 : Rondo PacB

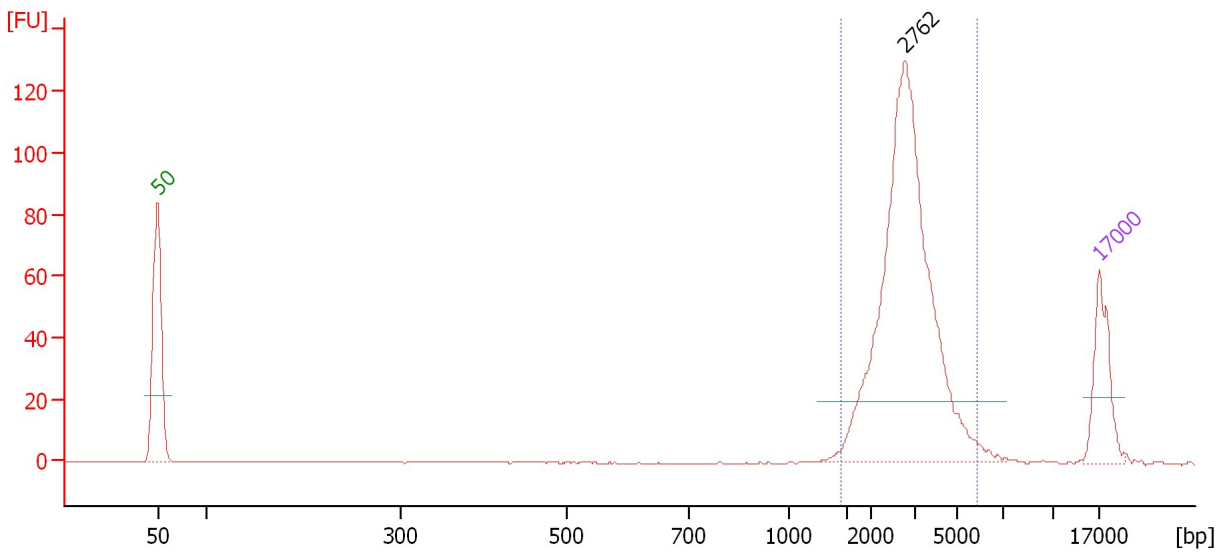
From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
1,959	2,667	2,302	19.53	200.9	91	4.6	Blue

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-12\2013-03-12_001.xad

Created: 3/12/2013 1:45:15 PM
 Modified: 3/12/2013 2:23:58 PM

Electropherogram Summary Continued ...

096871 cDNA 1:2



Overall Results for sample 2 : 096871 cDNA 1:2

Number of peaks found: 1 Area 1: 326.3

Peak table for sample 2 : 096871 cDNA 1:2

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	2,762	29.46	16.2	
3	17,000	4.20	0.4	Upper Marker

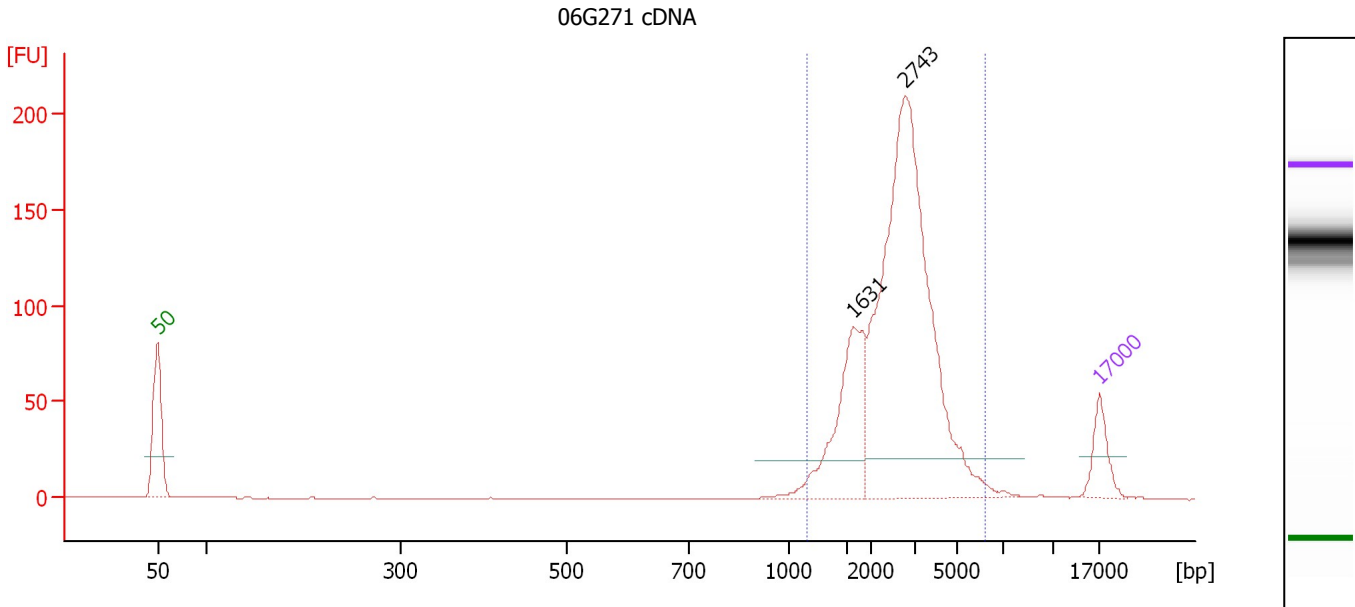
Region table for sample 2 : 096871 cDNA 1:2

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
1,439	5,893	2,945	29.20	326.3	95	27.9	Blue

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-12\2013-03-12_001.xad

Created: 3/12/2013 1:45:15 PM
 Modified: 3/12/2013 2:23:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 06G271 cDNA

Number of peaks found: 2 Area 1: 666.2

Peak table for sample 3 : 06G271 cDNA

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	1,631	15.62	14.5	
3	2,743	60.84	33.6	
4	17,000	4.20	0.4	Upper Marker

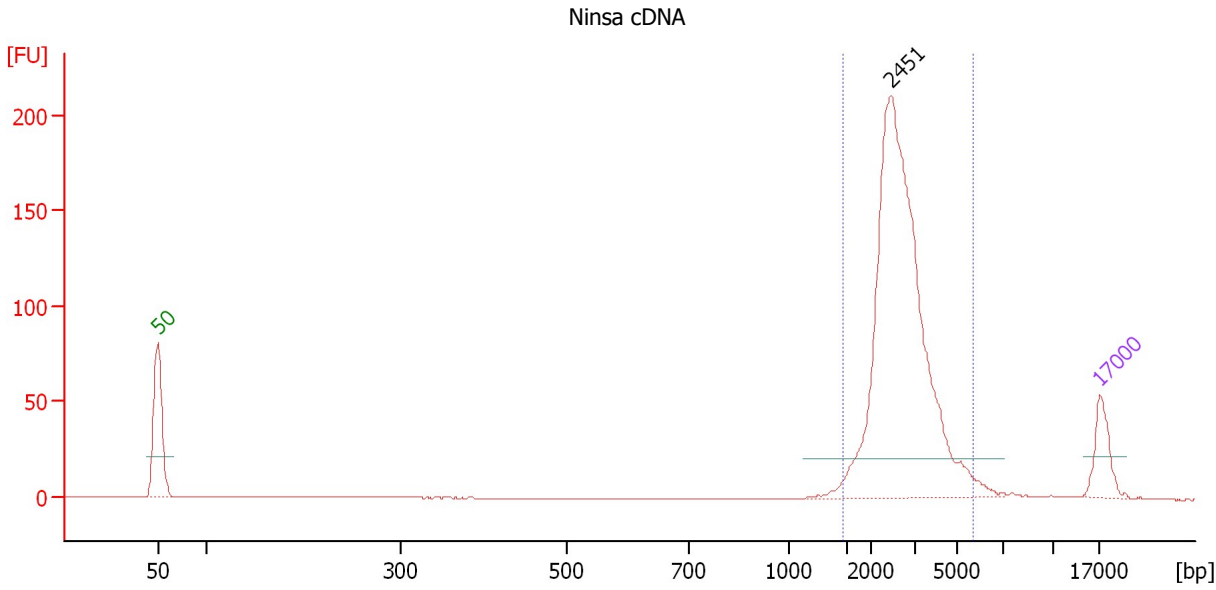
Region table for sample 3 : 06G271 cDNA

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
1,160	6,260	2,716	75.88	666.2	97	34.8	Blue

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-12\2013-03-12_001.xad

Created: 3/12/2013 1:45:15 PM
 Modified: 3/12/2013 2:23:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Ninsa cDNA

Number of peaks found: 1 Area 1: 486.8

Peak table for sample 4 : Ninsa cDNA

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	2,451	57.26	35.4	
3	17,000	4.20	0.4	Upper Marker

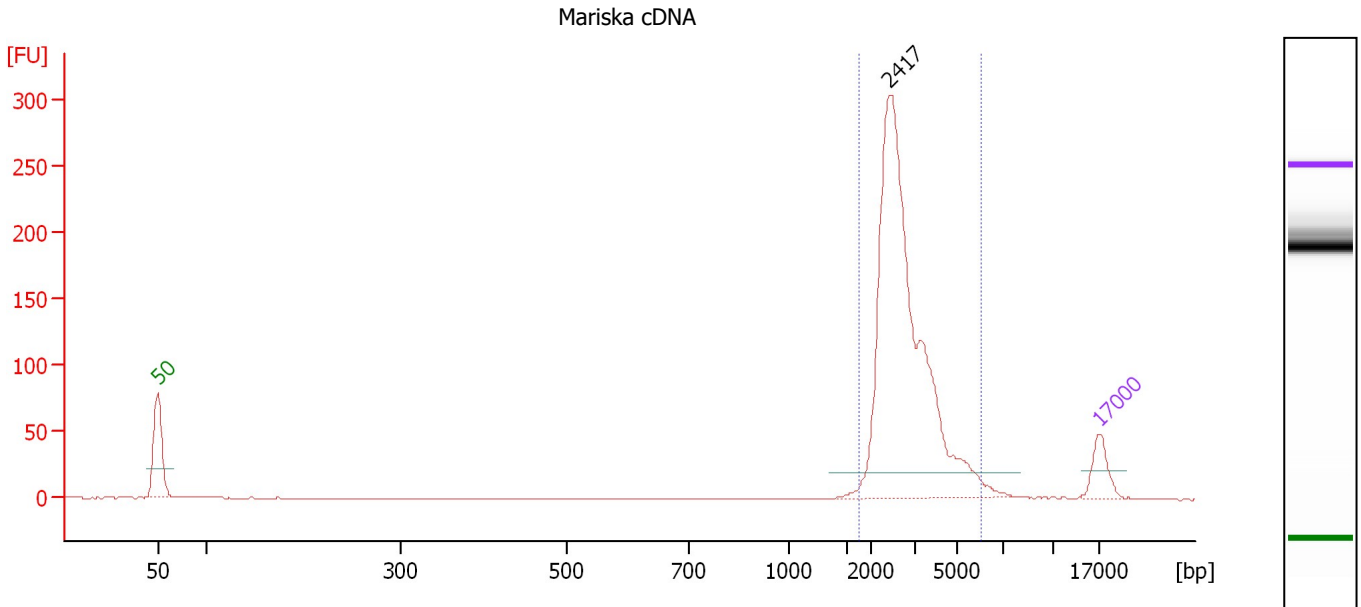
Region table for sample 4 : Ninsa cDNA

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
1,456	5,728	2,792	55.98	486.8	94	27.1	Blue

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-12\2013-03-12_001.xad

Created: 3/12/2013 1:45:15 PM
 Modified: 3/12/2013 2:23:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Mariska cDNA

Number of peaks found: 1 Area 1: 588.7

Peak table for sample 5 : Mariska cDNA

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	2,417	72.25	45.3	
3	17,000	4.20	0.4	Upper Marker

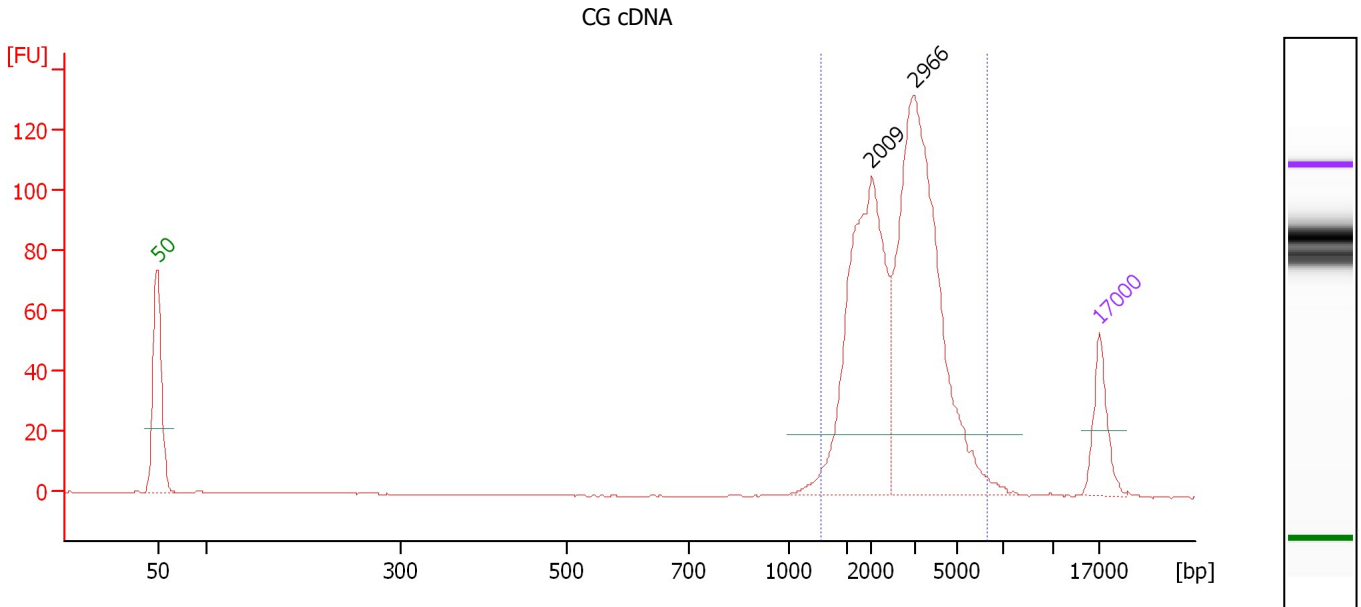
Region table for sample 5 : Mariska cDNA

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
1,761	6,066	2,908	70.43	588.7	96	28.6	Blue

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-12\2013-03-12_001.xad

Created: 3/12/2013 1:45:15 PM
 Modified: 3/12/2013 2:23:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : CG cDNA

Number of peaks found: 2 Area 1: 480.7

Peak table for sample 6 : CG cDNA

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	2,009	26.52	20.0	
3	2,966	35.59	18.2	
4	17,000	4.20	0.4	Upper Marker

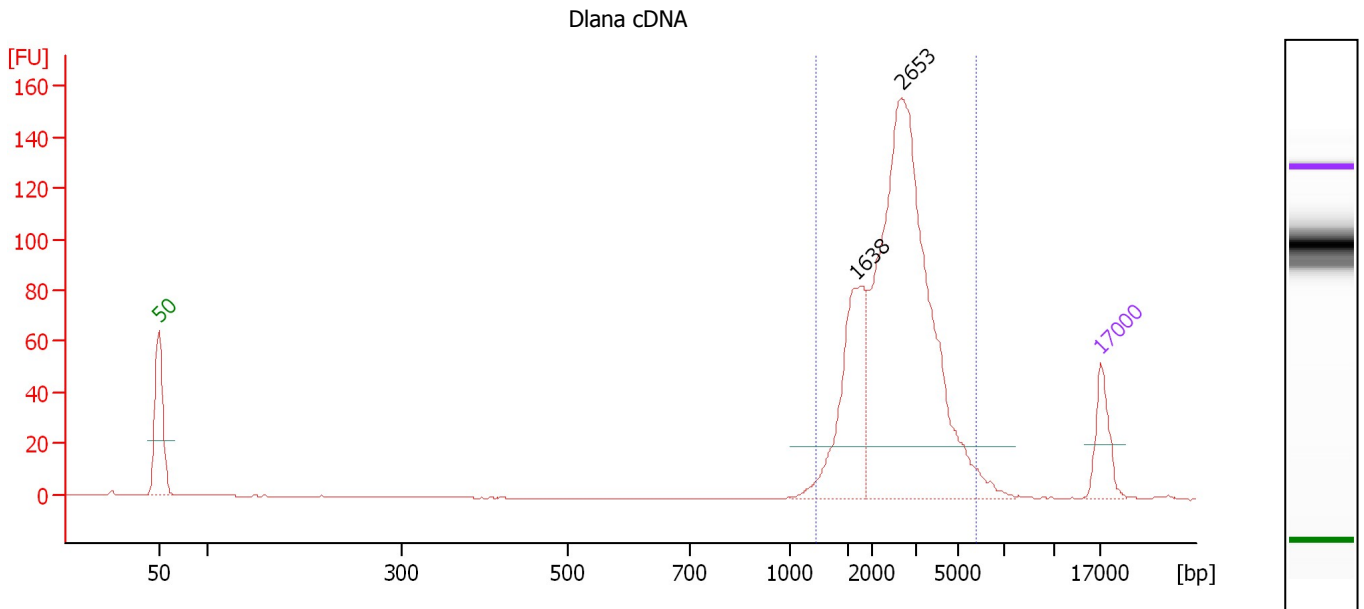
Region table for sample 6 : CG cDNA

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
1,282	6,314	2,794	61.69	480.7	96	36.7	Blue

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-12\2013-03-12_001.xad

Created: 3/12/2013 1:45:15 PM
 Modified: 3/12/2013 2:23:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Dlana cDNA

Number of peaks found: 2 Area 1: 493.2

Peak table for sample 7 : Dlana cDNA

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	1,638	14.39	13.3	
3	2,653	52.52	30.0	
4	17,000	4.20	0.4	Upper Marker

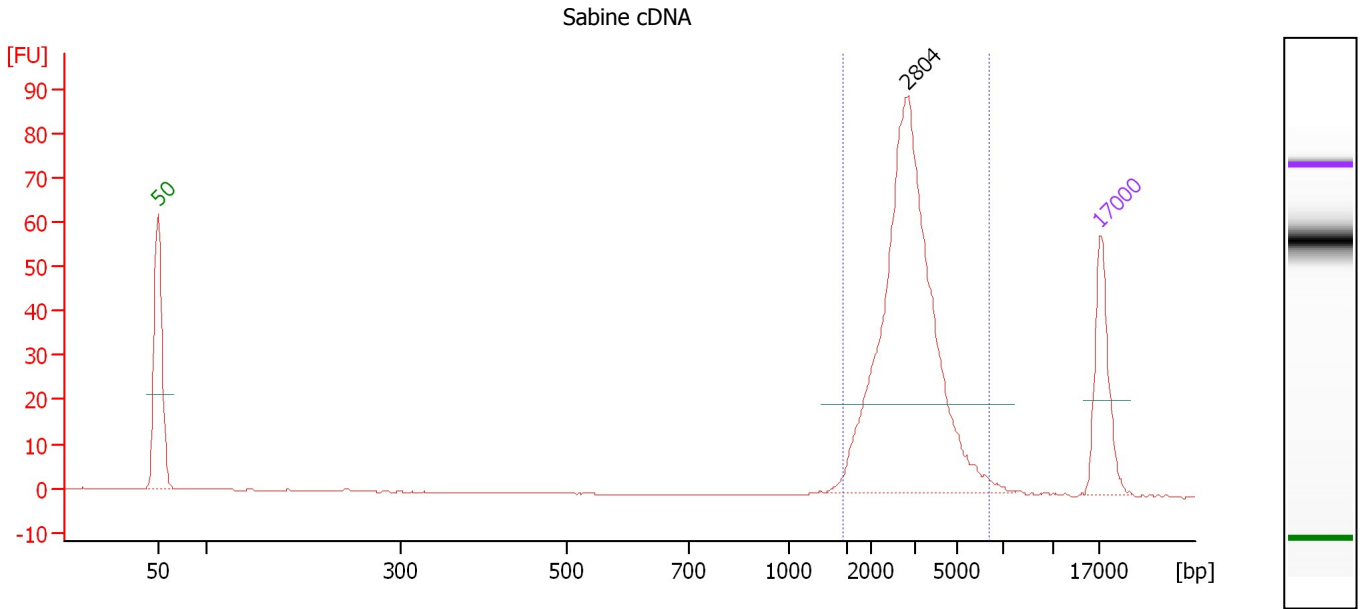
Region table for sample 7 : Dlana cDNA

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
1,224	5,751	2,663	65.37	493.2	96	34.2	Blue

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-12\2013-03-12_001.xad

Created: 3/12/2013 1:45:15 PM
 Modified: 3/12/2013 2:23:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Sabine cDNA

Number of peaks found: 1 Area: 215.3

Peak table for sample 8 : Sabine cDNA

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	2,804	24.78	13.4	
3	17,000	4.20	0.4	Upper Marker

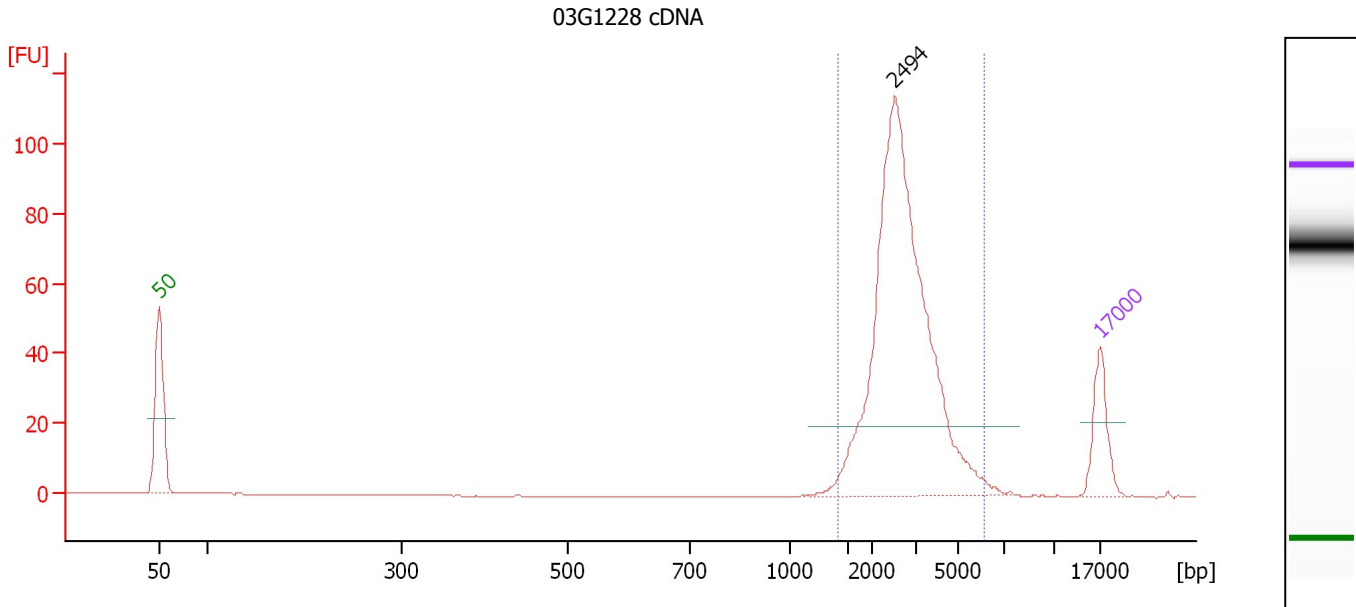
Region table for sample 8 : Sabine cDNA

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
1,470	6,350	3,016	24.76	215.3	97	29.9	Blue

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-12\2013-03-12_001.xad

Created: 3/12/2013 1:45:15 PM
 Modified: 3/12/2013 2:23:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 03G1228 cDNA

Number of peaks found: 1 Area 1: 268.8

Peak table for sample 9 : 03G1228 cDNA

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	2,494	43.76	26.6	
3	17,000	4.20	0.4	Upper Marker

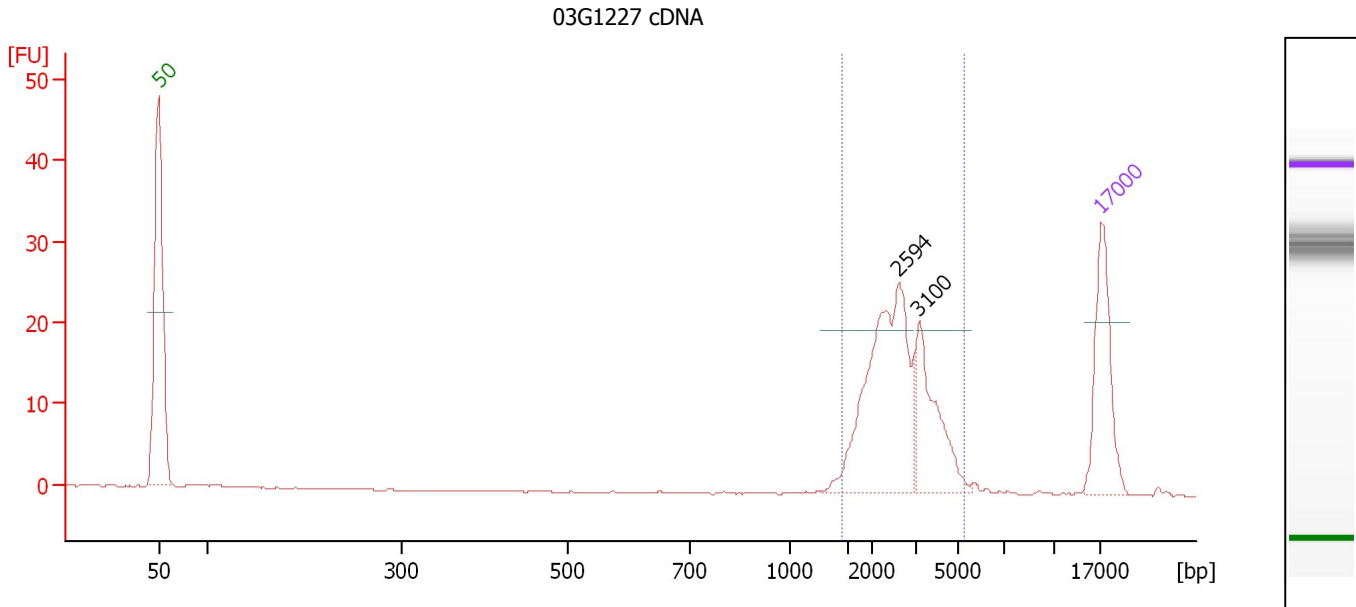
Region table for sample 9 : 03G1228 cDNA

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
1,416	6,111	2,833	42.92	268.8	96	30.2	Blue

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-12\2013-03-12_001.xad

Created: 3/12/2013 1:45:15 PM
 Modified: 3/12/2013 2:23:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 03G1227 cDNA

Number of peaks found: 2 Area 1: 72.3

Peak table for sample 10 : 03G1227 cDNA

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	2,594	9.53	5.6	
3	3,100	3.86	1.9	
4	17,000	4.20	0.4	Upper Marker

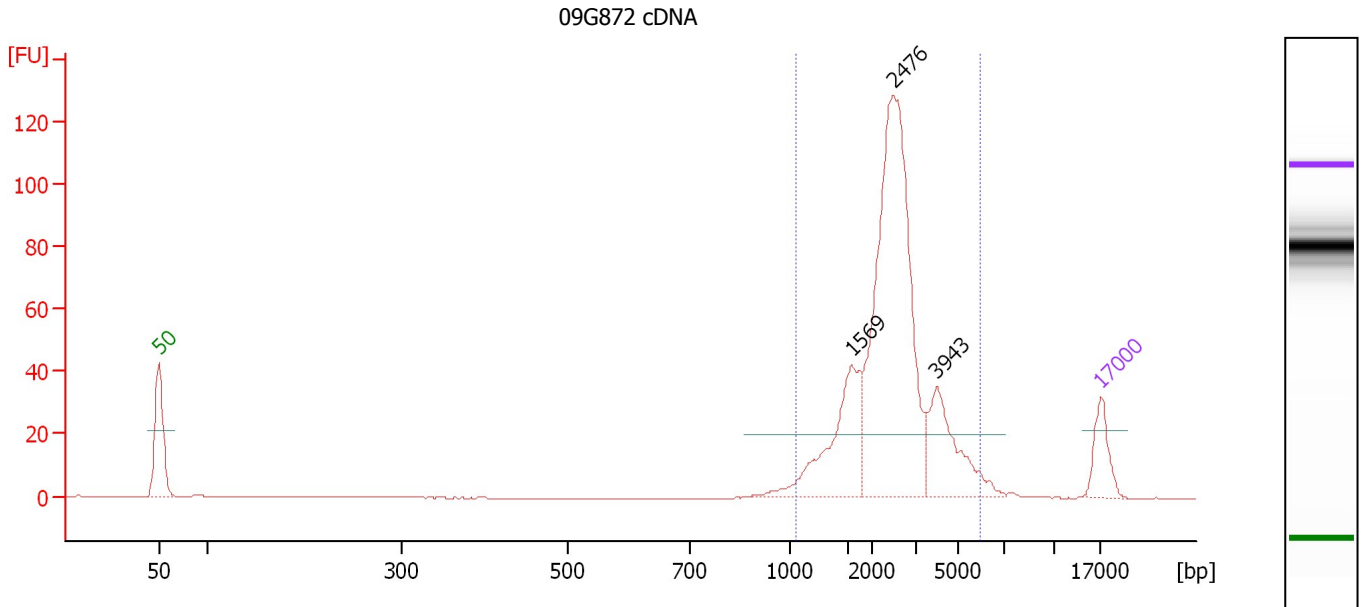
Region table for sample 10 : 03G1227 cDNA

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
1,440	5,232	2,709	13.52	72.3	95	29.1	Blue

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-12\2013-03-12_001.xad

Created: 3/12/2013 1:45:15 PM
 Modified: 3/12/2013 2:23:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 09G872 cDNA

Number of peaks found: 3 Area 1: 322.7

Peak table for sample 11 : 09G872 cDNA

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	1,569	13.66	13.2	
3	2,476	45.34	27.7	
4	3,943	10.23	3.9	
5	17,000	4.20	0.4	Upper Marker

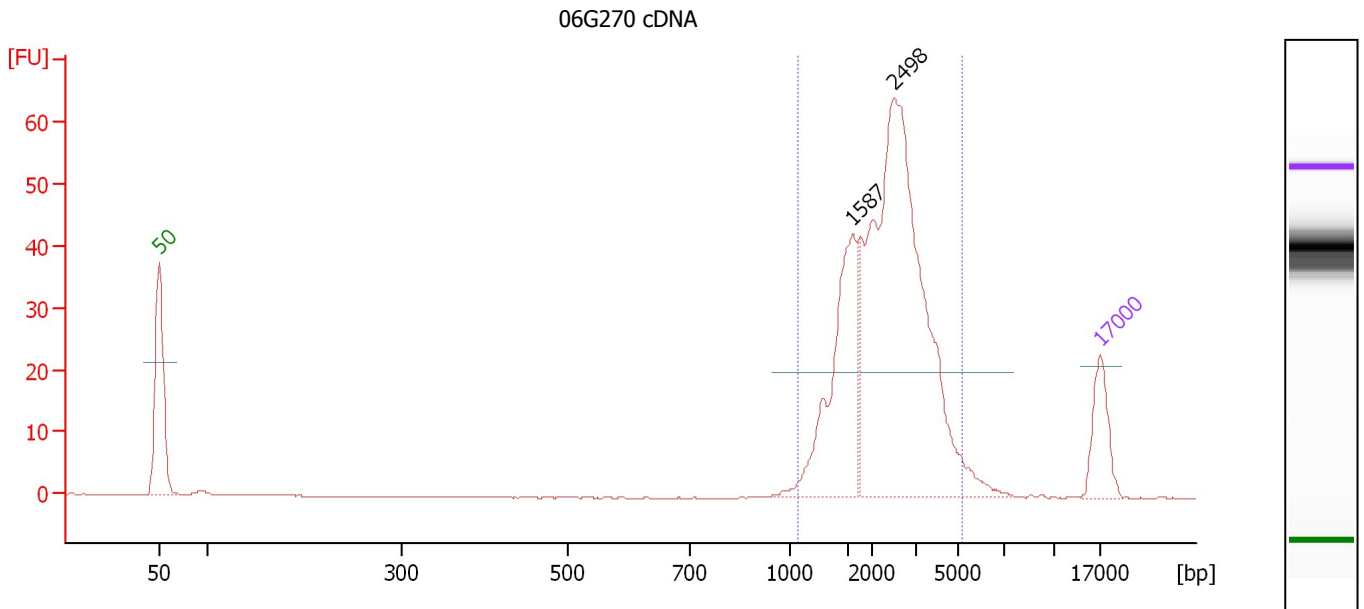
Region table for sample 11 : 09G872 cDNA

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
1,057	5,951	2,566	68.16	322.7	95	36.8	Blue

Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-12\2013-03-12_001.xad

Created: 3/12/2013 1:45:15 PM
 Modified: 3/12/2013 2:23:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : 06G270 cDNA

Number of peaks found: 2 Area 1: 216.3

Peak table for sample 12 : 06G270 cDNA

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	1,587	15.32	14.6	
3	2,498	45.11	27.4	
4	17,000	4.20	0.4	Upper Marker

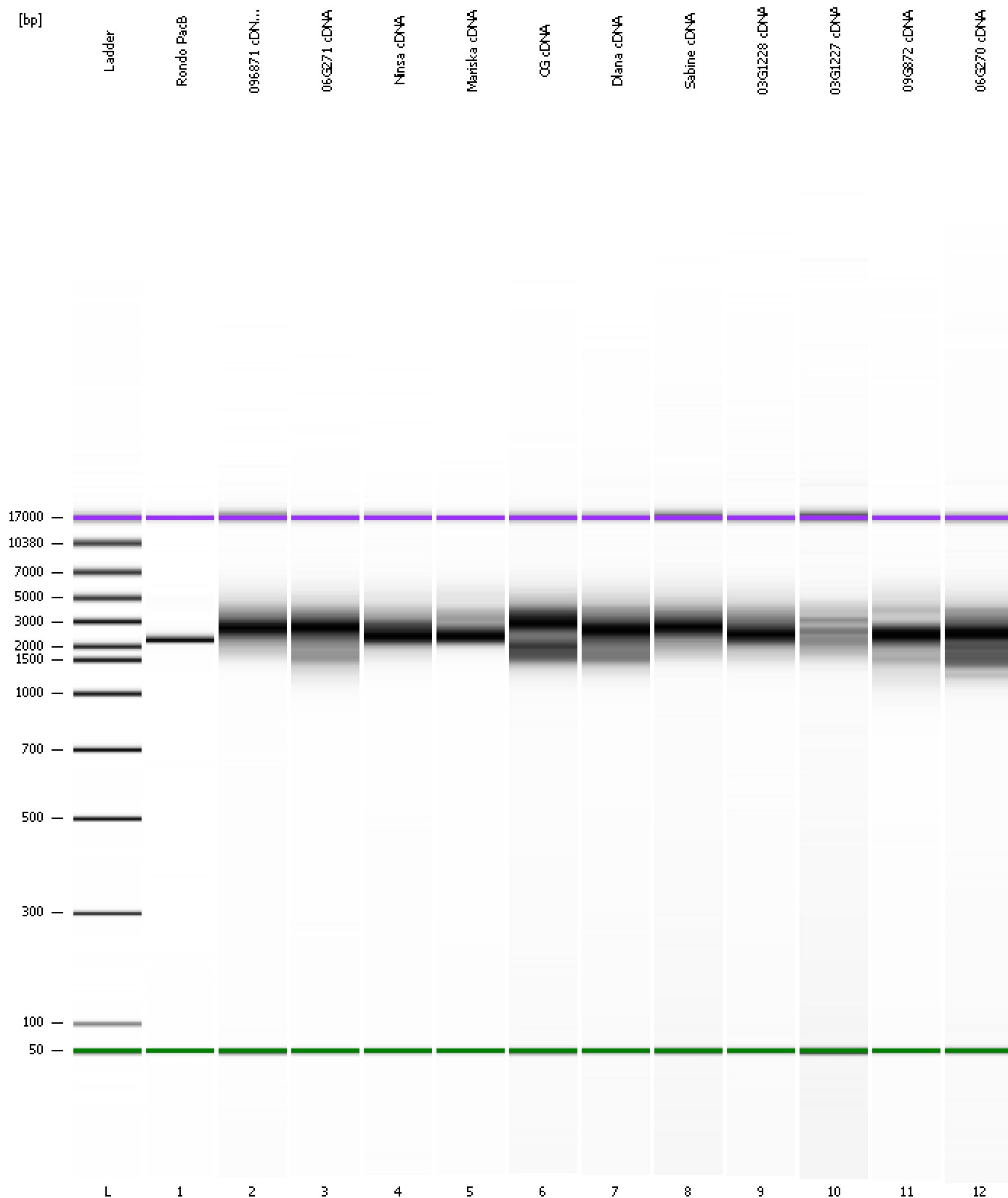
Region table for sample 12 : 06G270 cDNA

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
1,080	5,140	2,394	59.80	216.3	94	34.7	Blue

Assay Class: DNA 12000
Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-12\2013-03-12_001.xad

Created: 3/12/2013 1:45:15 PM
Modified: 3/12/2013 2:23:58 PM

Gel Image



Assay Class: DNA 12000
 Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-12\2013-03-12_001.xad

Created: 3/12/2013 1:45:15 PM
 Modified: 3/12/2013 2:23:58 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		3/12/2013 2:20:19 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2013-03-12\2013-03-12_001.xad)		Instrument	Run		3/12/2013 1:45:21 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		3/12/2013 1:45:21 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/12/2013 1:45:21 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/12/2013 1:45:21 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		3/12/2013 1:45:21 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/12/2013 1:45:21 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/12/2013 1:45:21 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1