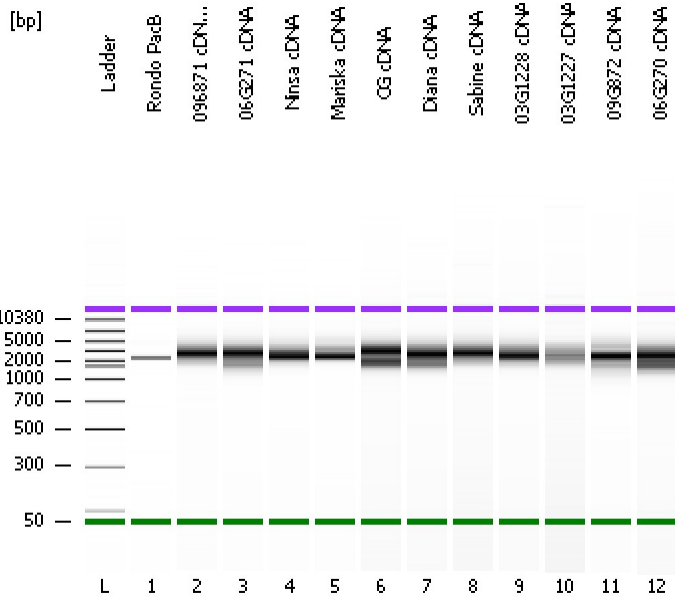


Assay Class: DNA 12000  
Data Path: C:\...ents and Settings\Bioanalyzer\2013-03-12\2013-03-12\_001.xad

Created: 3/12/2013 1:45:15 PM  
Modified: 3/12/2013 2:36:40 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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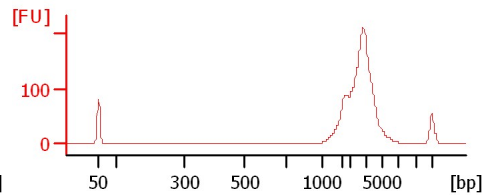
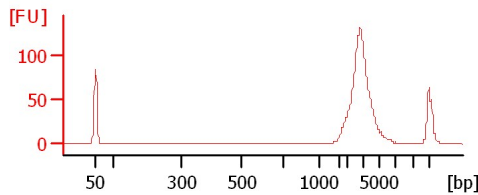
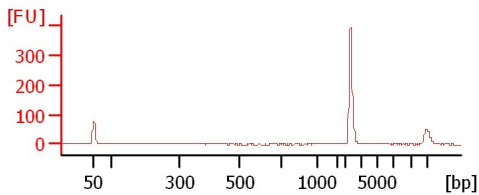
Chip Information:

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

**Rondo PacB**

**096871 cDNA 1:2**

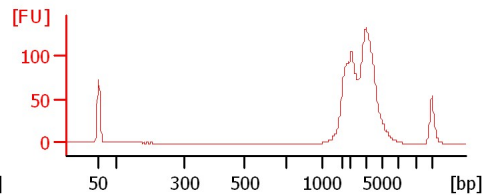
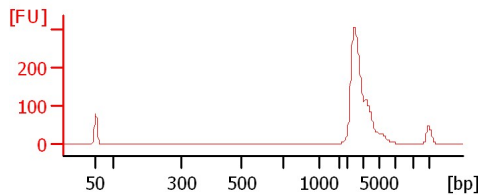
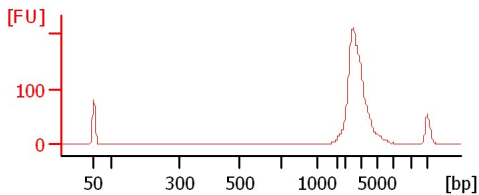
**06G271 cDNA**



**Ninsa cDNA**

**Mariska cDNA**

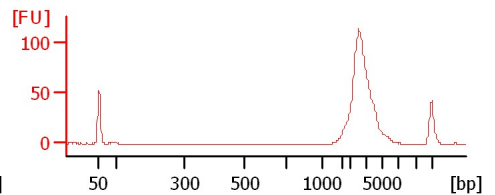
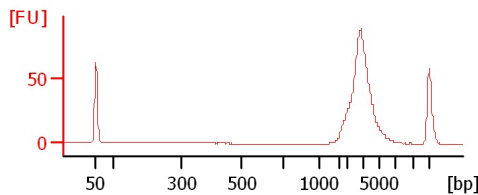
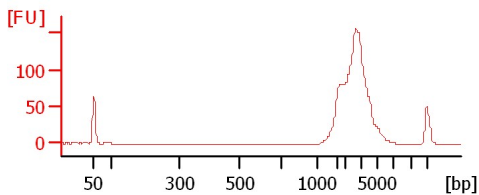
**CG cDNA**



**Diana cDNA**

**Sabine cDNA**

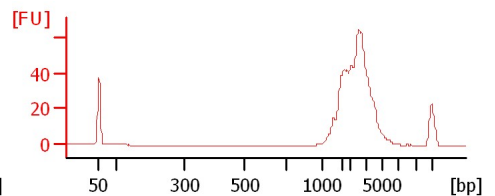
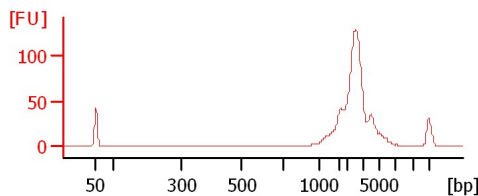
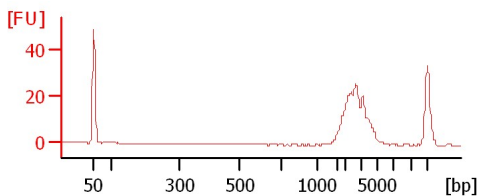
**03G1228 cDNA**



**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 2:36:40 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 2:36:40 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

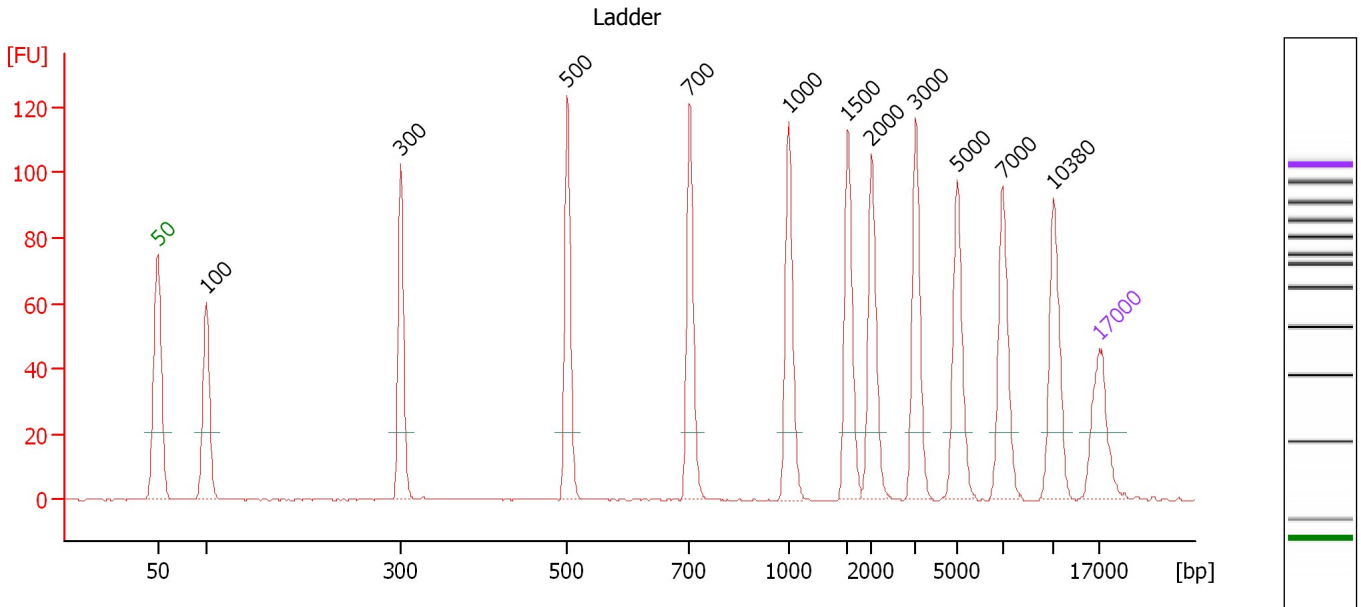
**Ladder**

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 2:36:40 PM

**Electropherogram Summary**



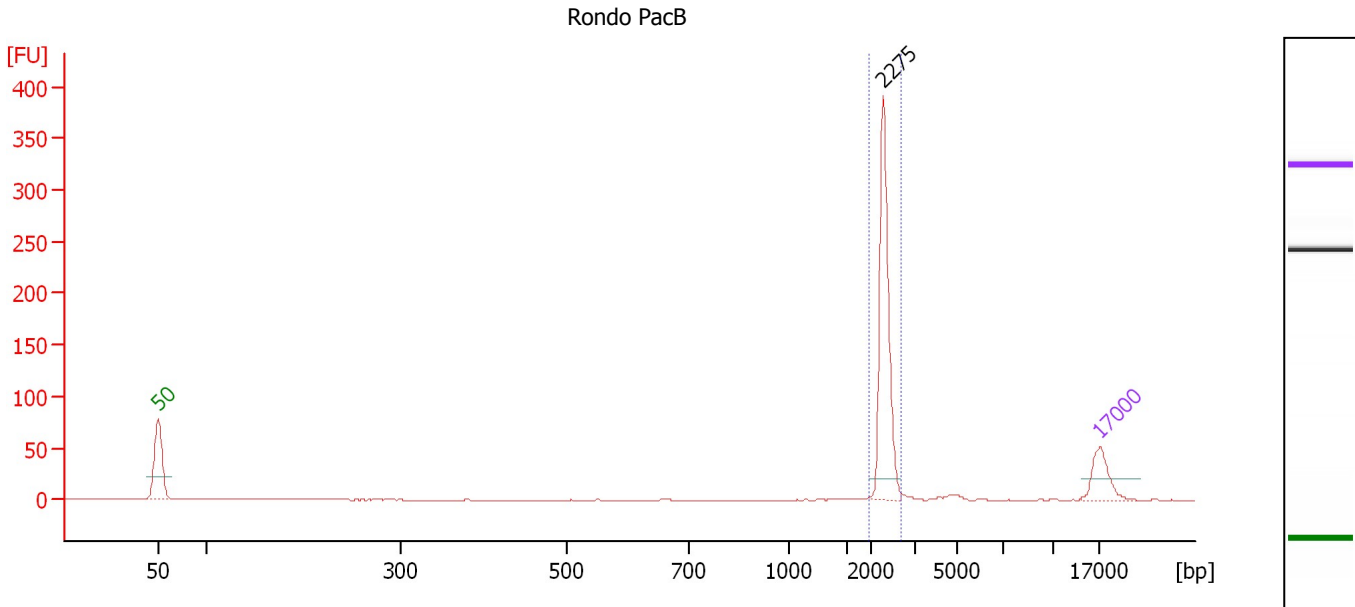
**Peak table for Ladder**

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 2:36:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : Rondo PacB**

Number of peaks found: 1 Area 1: 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**

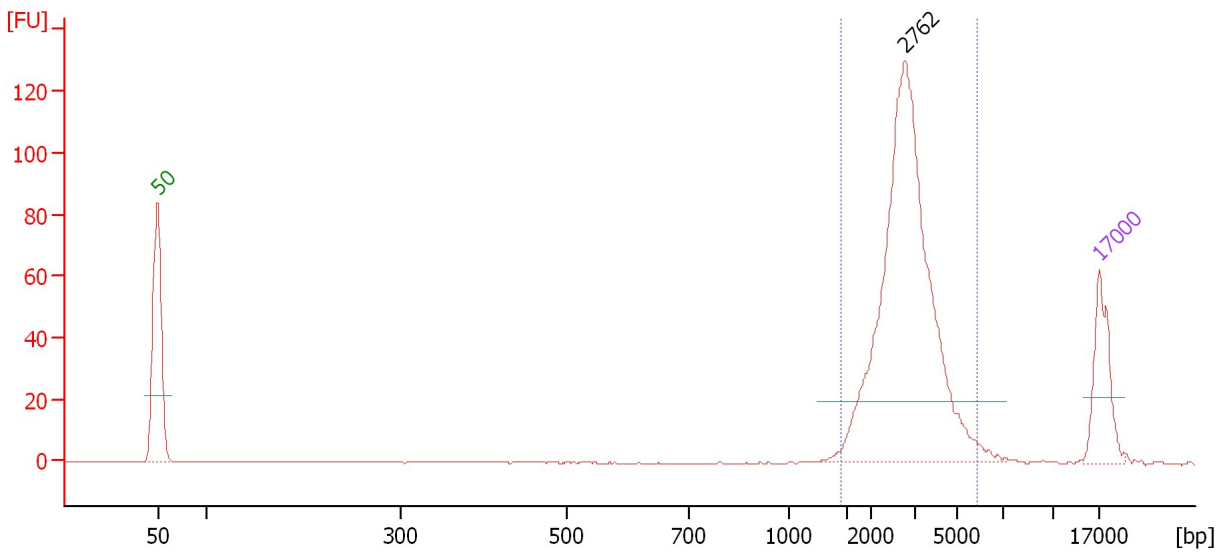
From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
1,959	2,667	2,302	19.53	200.9	91	4.6	Blue

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 2:36:40 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

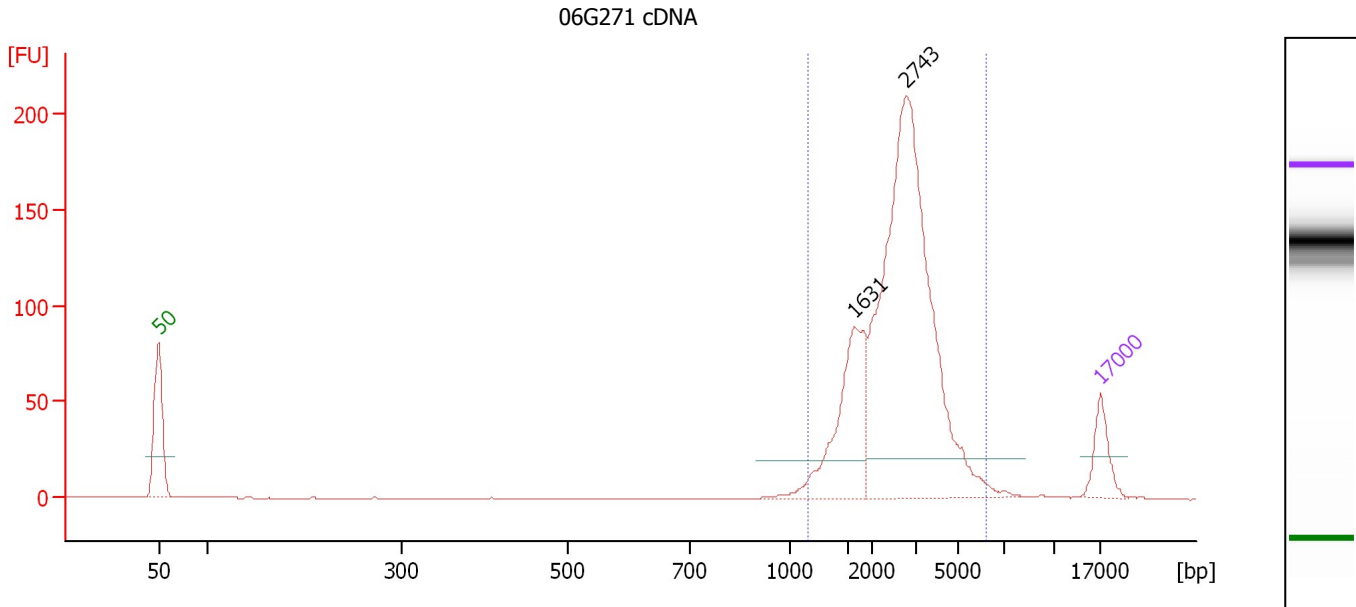
**Region table for sample 2 : 096871 cDNA 1:2**

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 2:36:40 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

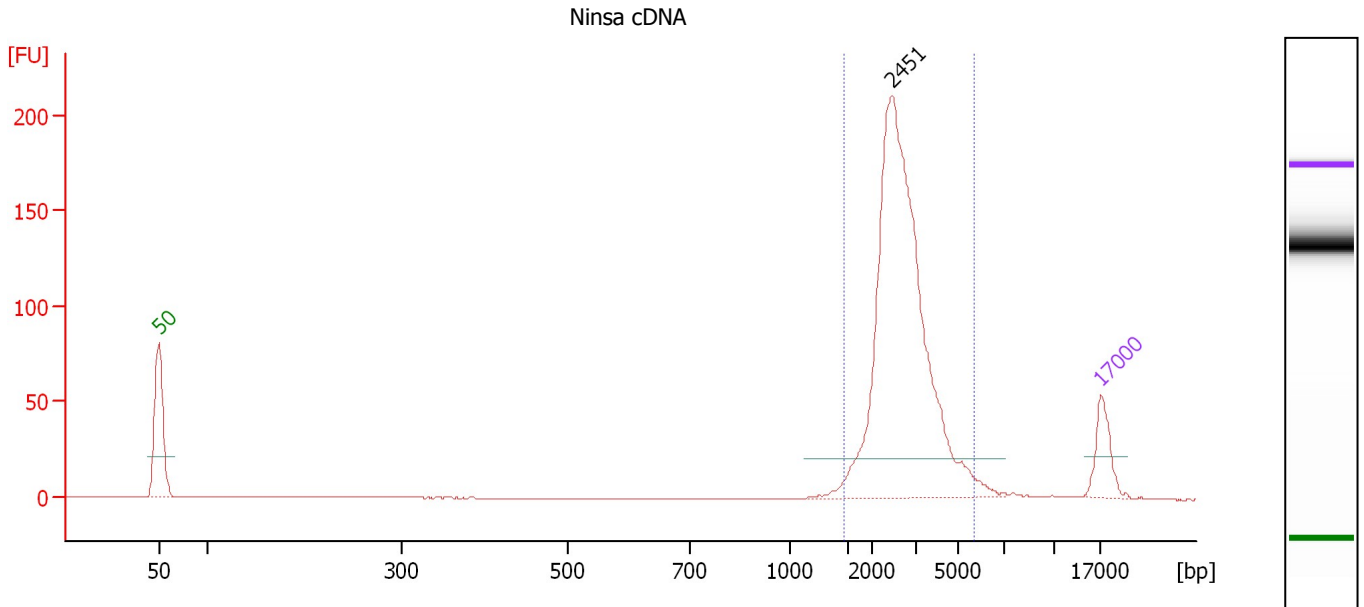
**Region table for sample 3 : 06G271 cDNA**

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 2:36:40 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**

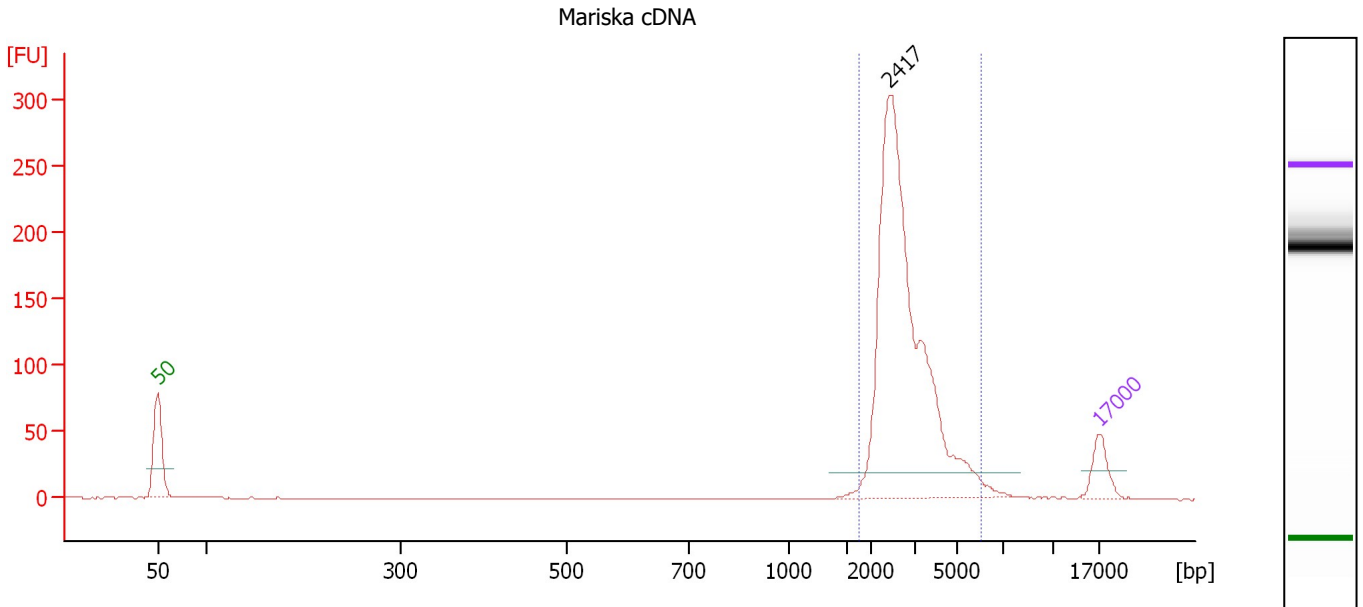
From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
1,456	5,728	2,792	55.98	486.8	94	27.1	Blue



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 2:36:40 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

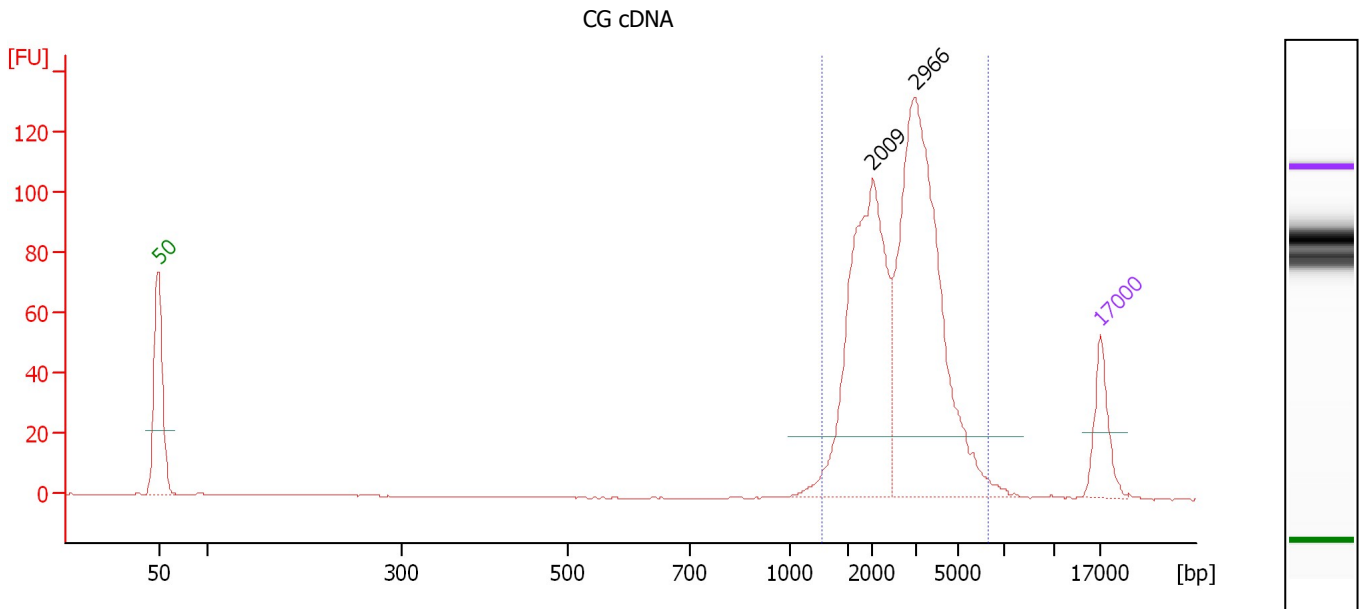
**Region table for sample 5 : Mariska cDNA**

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 2:36:40 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

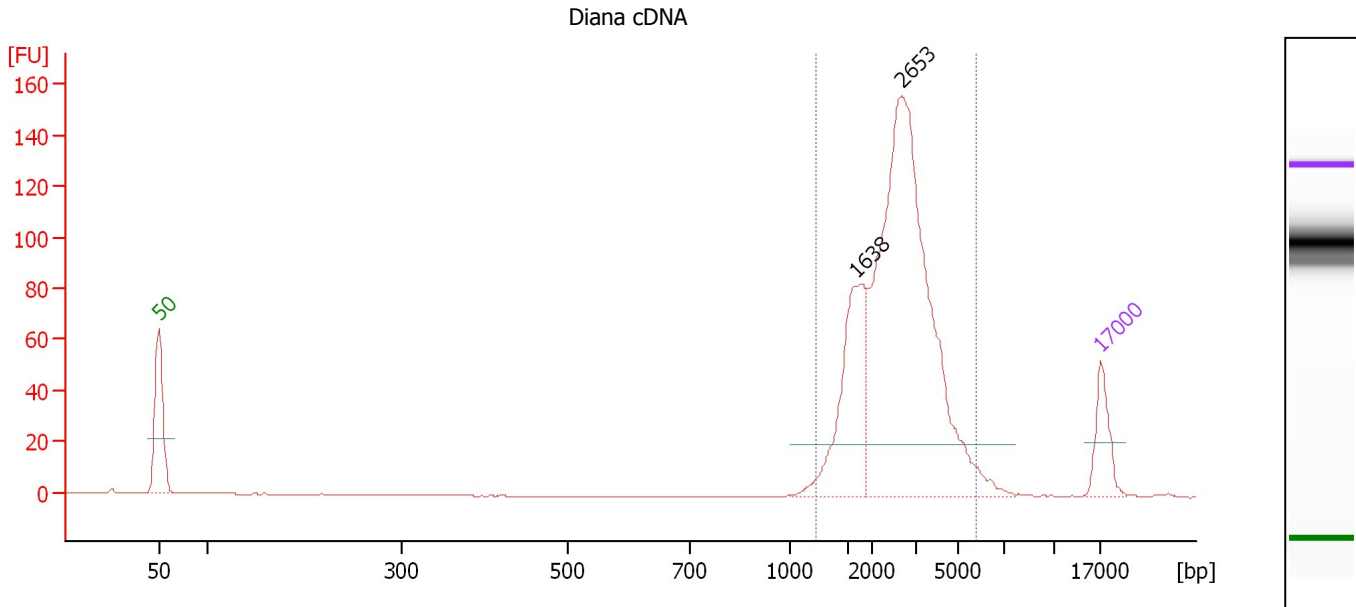
**Region table for sample 6 : CG cDNA**

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 2:36:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : Diana cDNA**

Number of peaks found: 2      Area 1: 493.2

**Peak table for sample 7 : Diana 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

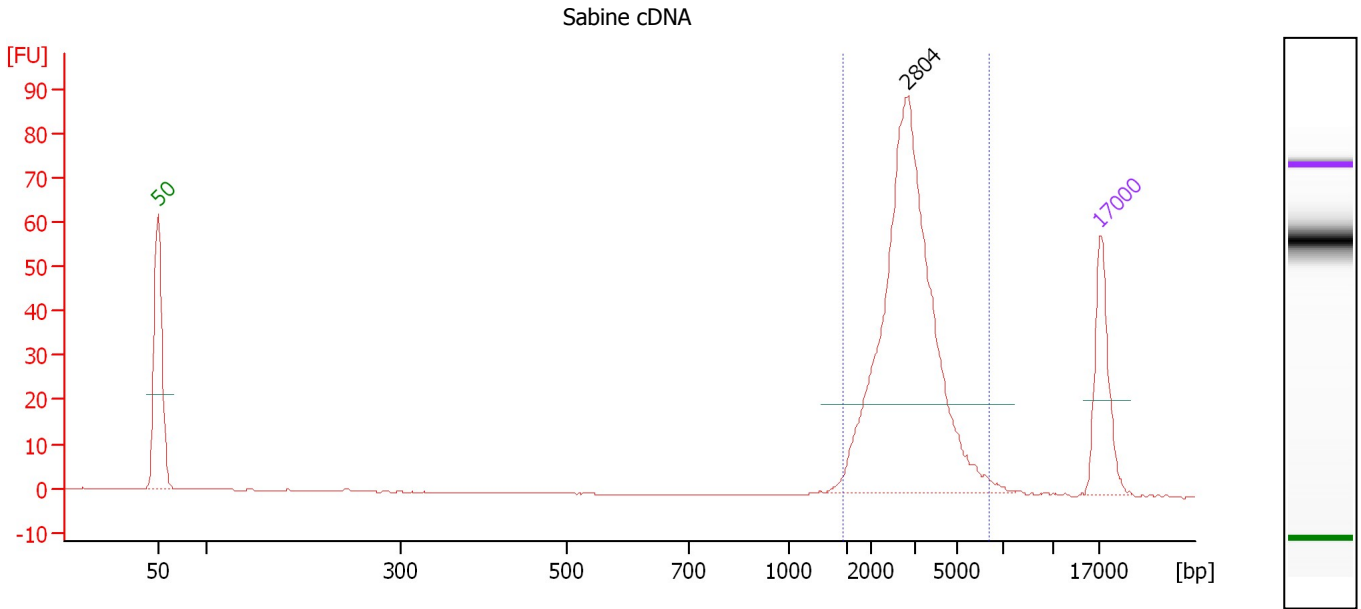
**Region table for sample 7 : Diana cDNA**

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 2:36:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : Sabine cDNA**

Number of peaks found: 1      Area 1: 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

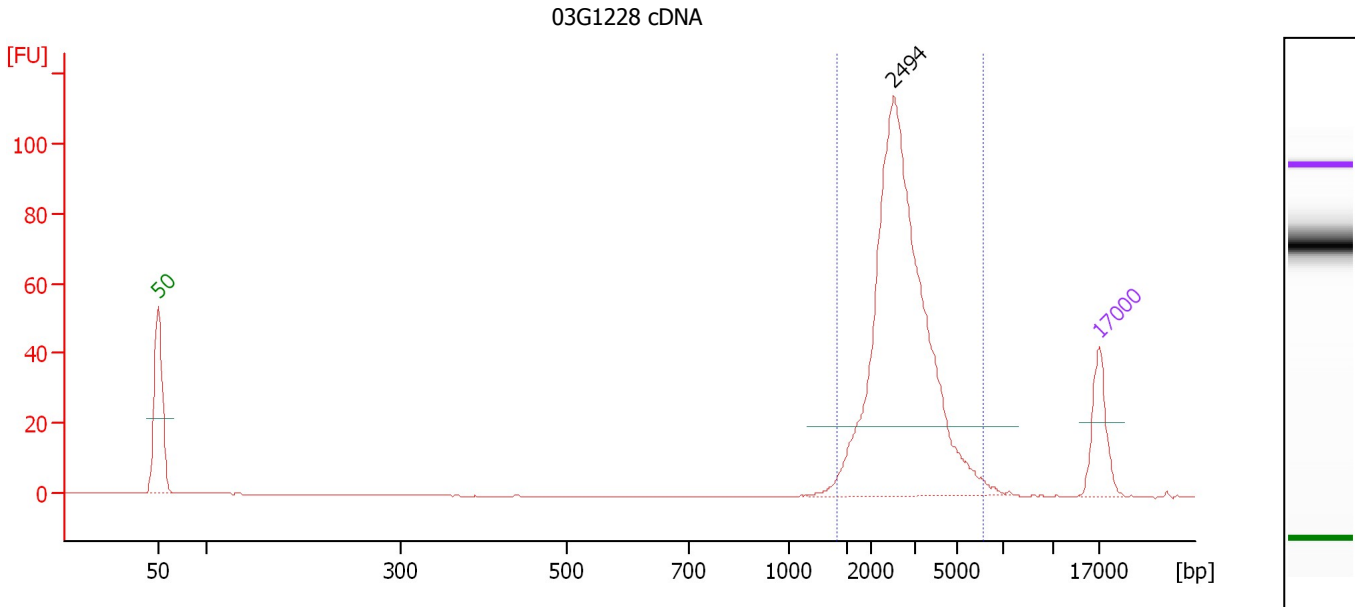
**Region table for sample 8 : Sabine cDNA**

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 2:36:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : 03G1228 cDNA**

Number of peaks found: 1 Area: 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

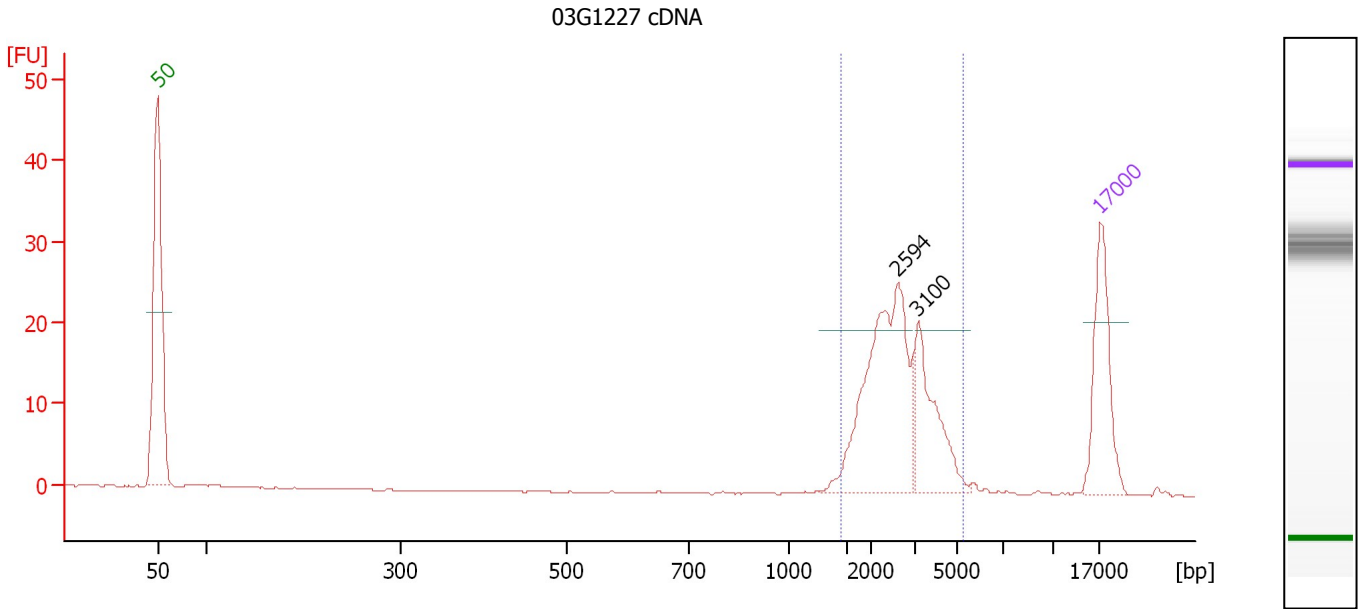
**Region table for sample 9 : 03G1228 cDNA**

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 2:36:40 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

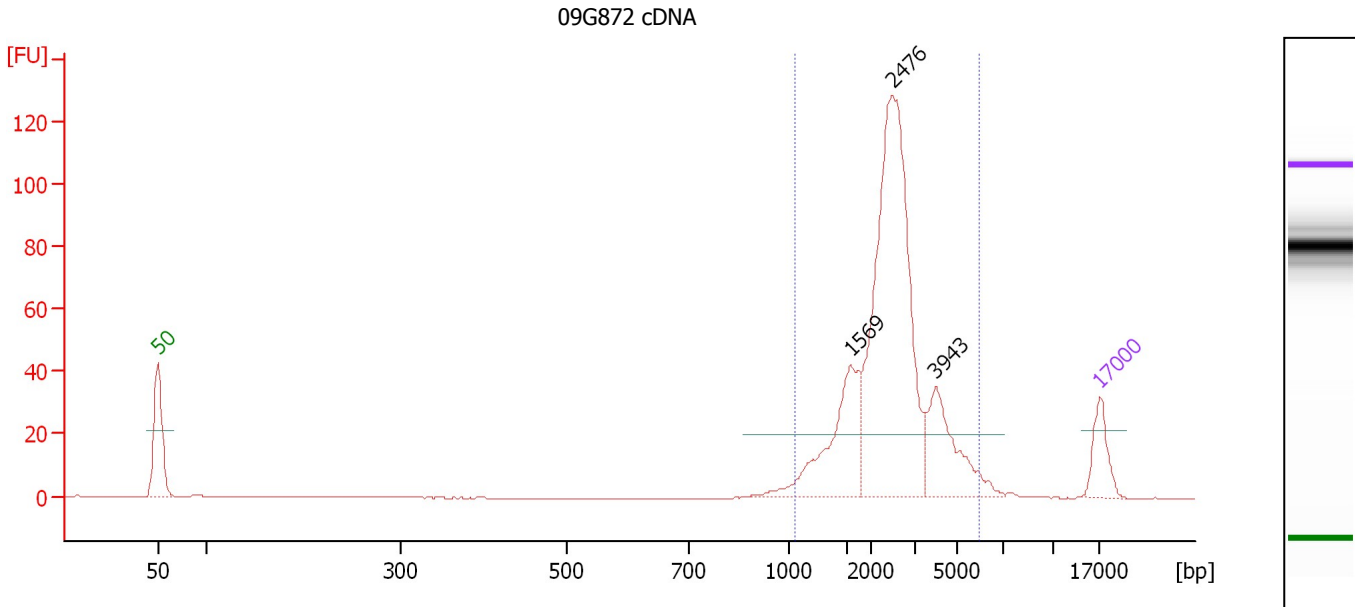
**Region table for sample 10 : 03G1227 cDNA**

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 2:36:40 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

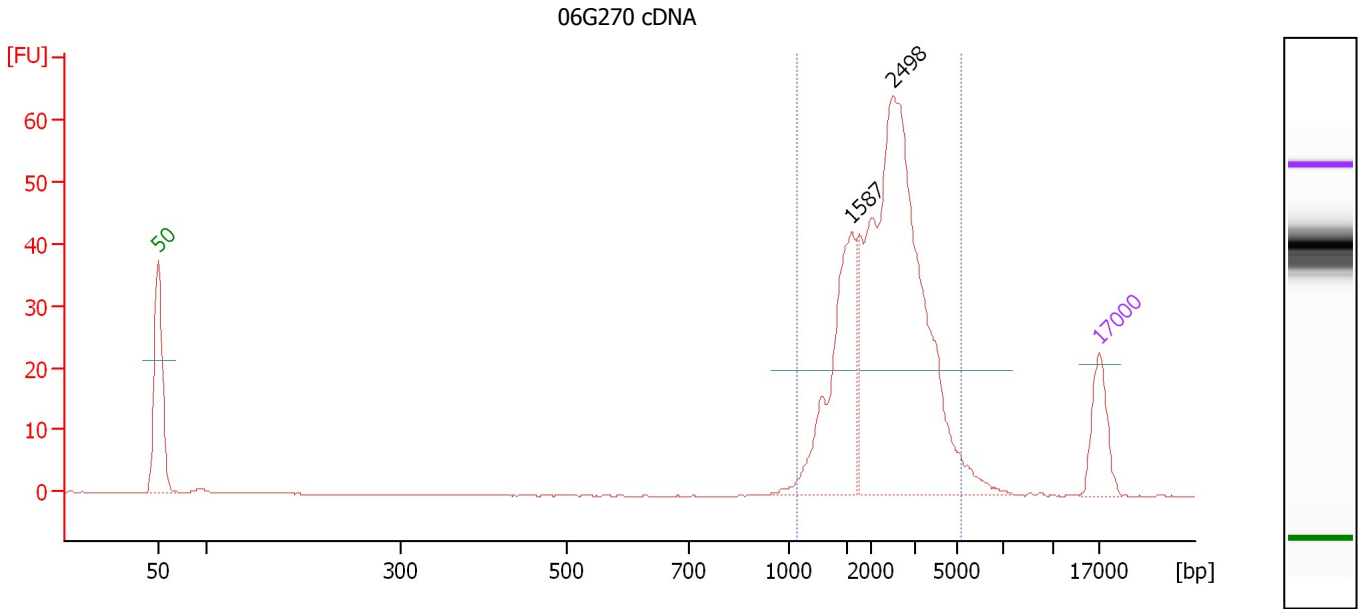
**Region table for sample 11 : 09G872 cDNA**

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 2:36:40 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 12 : 06G270 cDNA**

Number of peaks found: 2 Area: 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**

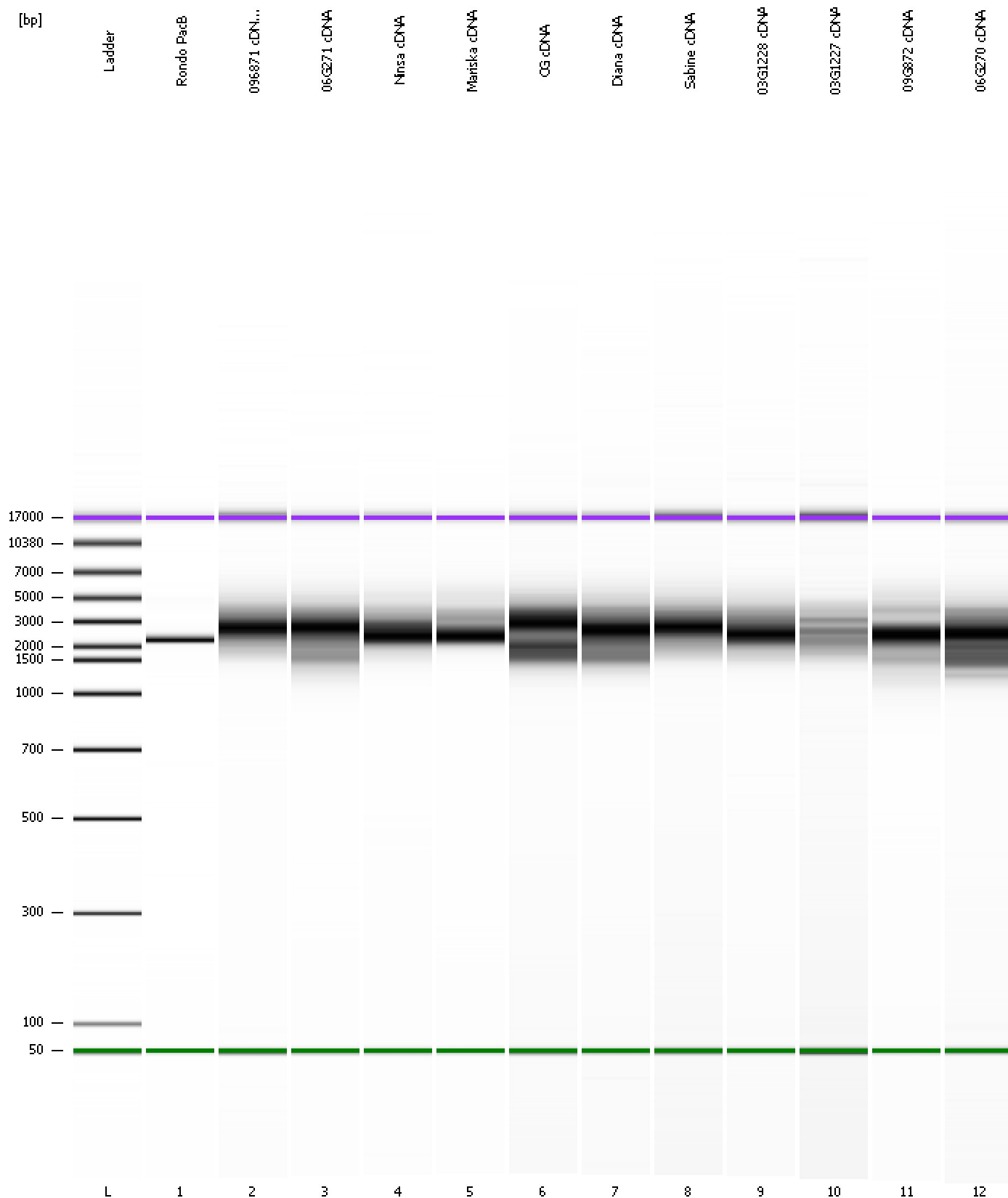
From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
1,080	5,140	2,394	59.80	216.3	94	34.7	Blue



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 2:36:40 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 2:36:40 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