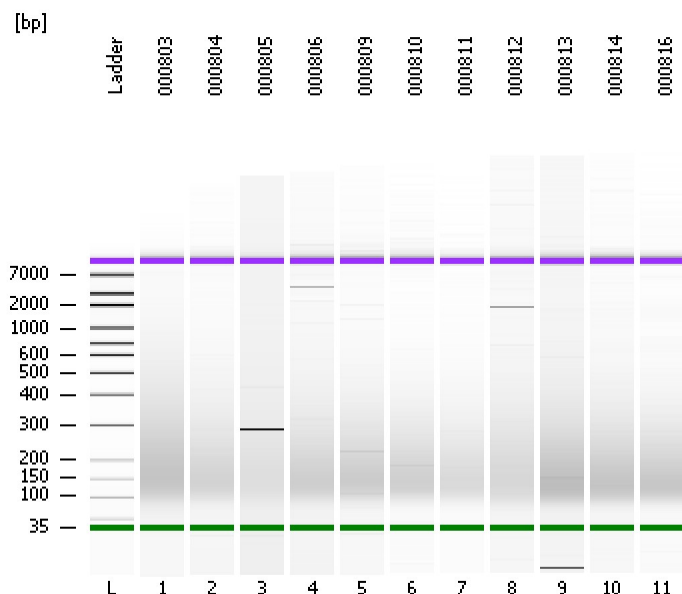


Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-06-27_17-02-37.xad

Created: 6/27/2011 5:02:37 PM
Modified: 6/28/2011 9:20:40 AM

Electrophoresis File Run Summary



Instrument Information:

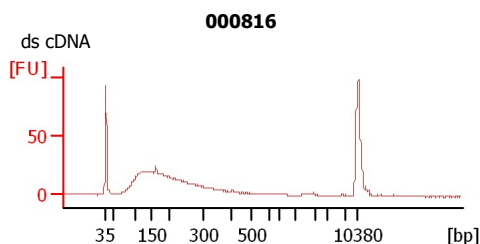
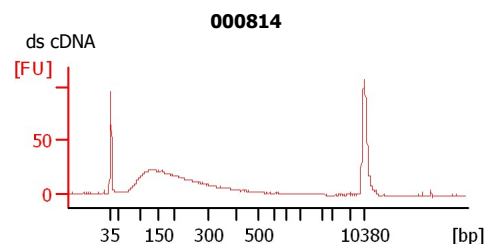
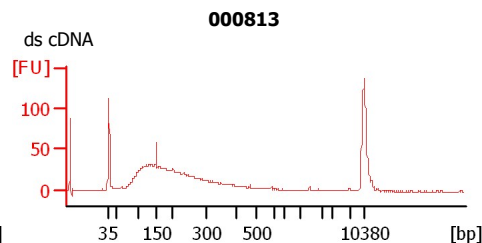
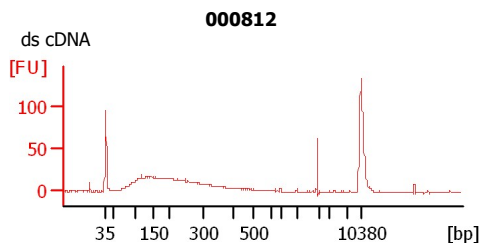
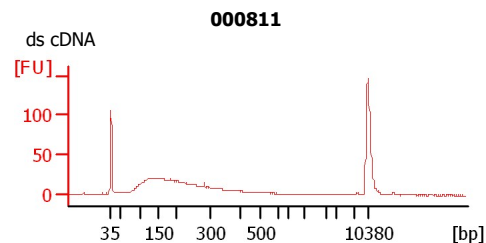
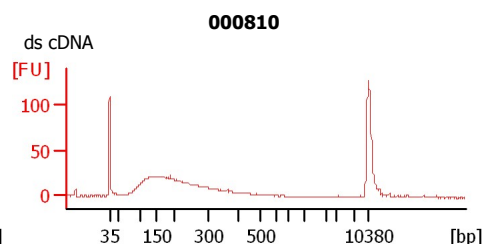
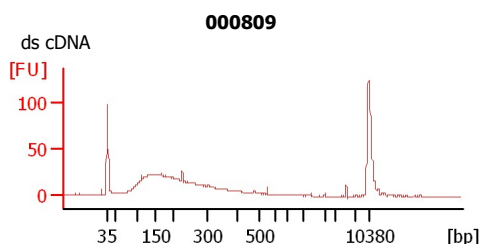
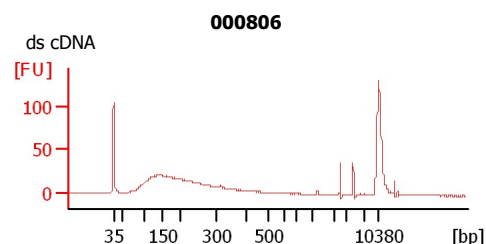
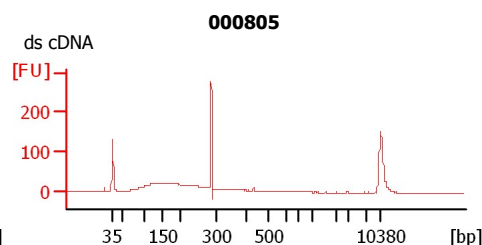
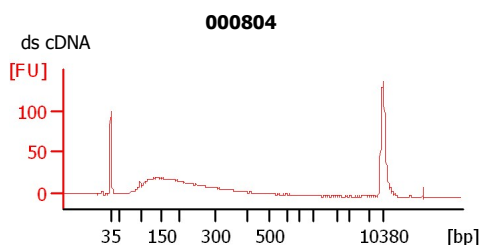
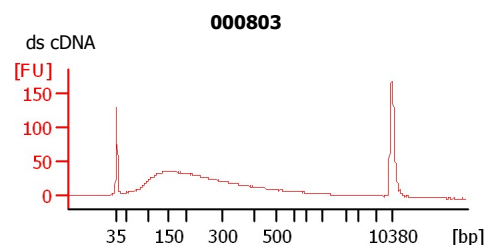
Instrument Name: Ann's baby
Serial#: DE24802235
Firmware: C.01.069
Type: G2938B

Assay Information:

Assay Origin Path: D:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments: 2nd set of Jianxin Ma Soybean RNA Solexa samples. Acc# #000803-000816. TruSeq RNA sample prep kit with std Elute Prime Frag of 8 minutes. This is cleaned up ds cDNA taken at completion of Day 1 ...



Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-06-27_17-02-37.xad

Created: 6/27/2011 5:02:37 PM
Modified: 6/28/2011 9:20:40 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status Observation	Result Label	Result Color
000803	ds cDNA	☐	✓		
000804	ds cDNA	☐	✓		
000805	ds cDNA	☐	✓		
000806	ds cDNA	☐	✓		
000809	ds cDNA	☐	✓		
000810	ds cDNA	☐	✓		
000811	ds cDNA	☐	✓		
000812	ds cDNA	☐	✓		
000813	ds cDNA	☐	✓		
000814	ds cDNA	☐	✓		
000816	ds cDNA	☐	✓		
Ladder		☐	✓		

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

2nd set of Jianxin Ma Soybean RNA Solexa samples. Acc# #000803-000816. TruSeq RNA sample prep kit with std Elute Prime Frag of 8 minutes. This is cleaned up ds cDNA taken at completion of Day 1 of protocol. Started with 4 ug of total RNA as initial input. Main peak of ds CDNA is at 100-200 bp with 18% of sample in this range. Good tail to right of larger species.

Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-06-27_17-02-37.xad

Created: 6/27/2011 5:02:37 PM
Modified: 6/28/2011 9:20:40 AM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 32
Maximum Visible Range [s] : 138
Start Analysis Time Range [s] : 33
End Analysis Time Range [s] : 137.5
Ladder Concentration [pg/μl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/μl] : 125
Upper Marker Concentration [pg/μl] : 75
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] : 33.05
Integration End Time [s] : 137
Slope Threshold : 0.8
Height Threshold [FU] : 5
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

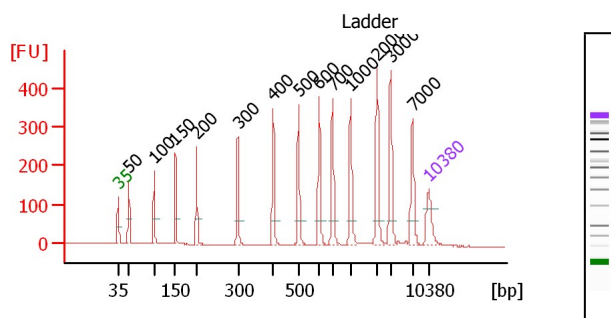
Ladder

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-06-27_17-02-37.xad

Created: 6/27/2011 5:02:37 PM
 Modified: 6/28/2011 9:20:40 AM

Electropherogram Summary



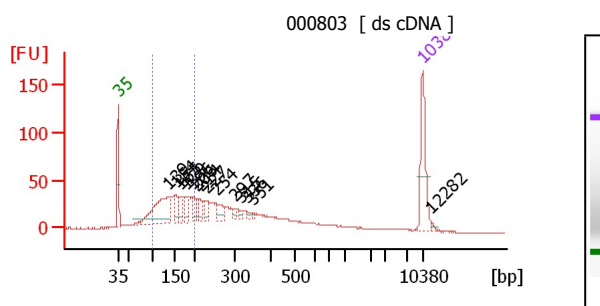
Overall Results for Ladder

Noise: 0.2

Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	Ladder Peak
9	600	150.00	378.8	Ladder Peak
10	700	150.00	324.7	Ladder Peak
11	1,000	150.00	227.3	Ladder Peak
12	2,000	150.00	113.6	Ladder Peak
13	3,000	150.00	75.8	Ladder Peak

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
14	7,000	150.00	32.5	Ladder Peak
15	10,380	75.00	10.9	Upper Marker



Overall Results for sample 1 : 000803

Number of peaks found: 14
 Noise: 0.3
 Corr. Area 1: 555.5

Region table for sample 1 : 000803

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
100	200	555.5	36	152	18.4	410.73	4,262.7	Blue

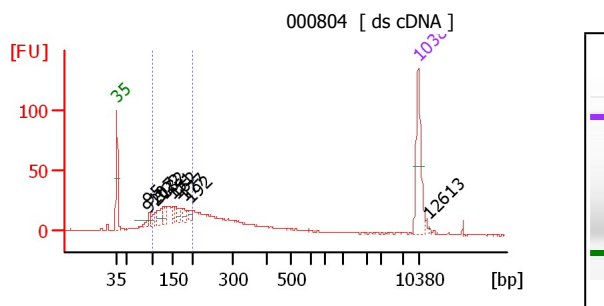
Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-06-27_17-02-37.xad

Created: 6/27/2011 5:02:37 PM
 Modified: 6/28/2011 9:20:40 AM

Electropherogram Summary Continued ...

Peak table for sample 1 : 000803

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	139	162.45	1,773.9	
3	154	26.40	259.3	
4	165	29.92	274.3	
5	179	27.37	231.3	
6	196	18.92	146.0	
7	206	17.59	129.7	
8	214	19.80	140.3	
9	227	20.61	137.3	
10	254	32.16	191.9	
11	297	8.04	41.1	
12	315	5.63	27.1	
13	336	6.13	27.7	
14	351	2.63	11.4	
15	10,380	75.00	10.9	Upper Marker
16	12,282	0.00	0.0	



Overall Results for sample 2 : 000804

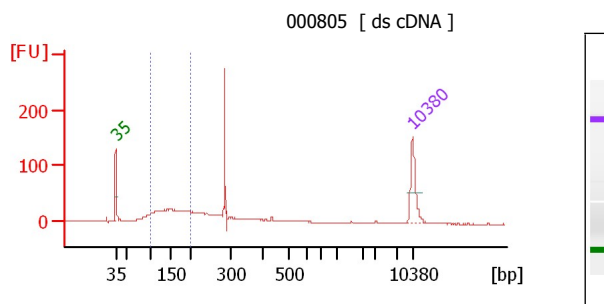
Number of peaks found: 10
 Noise: 0.2
 Corr. Area 1: 310.4

Region table for sample 2 : 000804

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
100	200	310.4	46	151	18.4	280.74	2,930.1	Blue

Peak table for sample 2 : 000804

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	92	12.45	205.1	
3	95	10.11	160.6	
4	107	18.96	268.2	
5	122	31.65	392.3	
6	132	23.62	270.4	
7	151	13.94	139.8	
8	162	12.19	113.9	
9	177	14.48	123.7	
10	192	8.89	70.0	
11	10,380	75.00	10.9	Upper Marker
12	12,613	0.00	0.0	



Overall Results for sample 3 : 000805

Number of peaks found: 0
 Noise: 0.2
 Corr. Area 1: 327.8

Region table for sample 3 : 000805

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
100	200	327.8	42	151	18.5	258.94	2,702.5	Blue

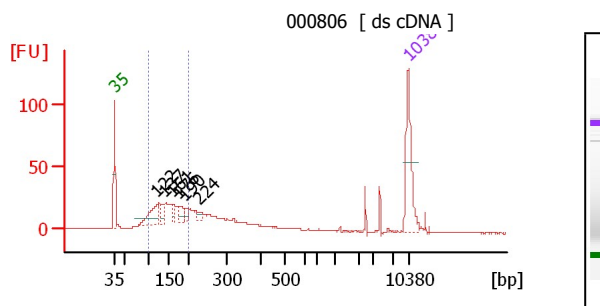
Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-06-27_17-02-37.xad

Created: 6/27/2011 5:02:37 PM
 Modified: 6/28/2011 9:20:40 AM

Electropherogram Summary Continued ...

Peak table for sample 3 : 000805

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker



Overall Results for sample 4 : 000806

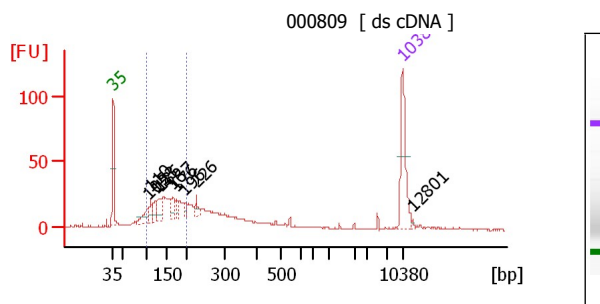
Number of peaks found: 6
 Noise: 0.2
 Corr. Area 1: 310.3

Region table for sample 4 : 000806

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
100	200	310.3	47	150	18.4	275.67	2,882.2	Blue

Peak table for sample 4 : 000806

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	122	70.59	877.4	
3	137	21.94	241.8	
4	161	16.37	153.8	
5	176	20.56	177.3	
6	190	15.53	123.7	
7	224	10.35	69.9	
8	10,380	75.00	10.9	Upper Marker



Overall Results for sample 5 : 000809

Number of peaks found: 9
 Noise: 0.2
 Corr. Area 1: 336.2

Region table for sample 5 : 000809

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
100	200	336.2	47	151	18.4	333.45	3,482.5	Blue

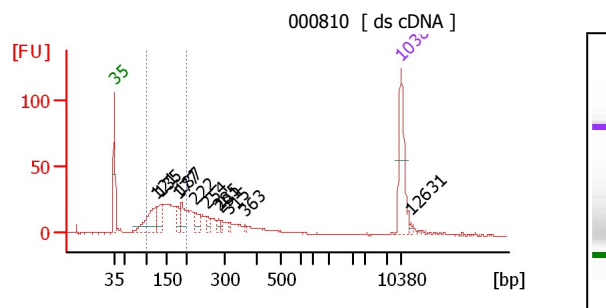
Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-06-27_17-02-37.xad

Created: 6/27/2011 5:02:37 PM
 Modified: 6/28/2011 9:20:40 AM

Electropherogram Summary Continued ...

Peak table for sample 5 : 000809

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	105	39.73	572.1	
3	110	18.67	257.2	
4	123	30.45	376.4	
5	136	38.68	430.0	
6	167	22.28	202.4	
7	176	16.55	142.3	
8	196	13.12	101.5	
9	226	12.93	86.7	
10	10,380	75.00	10.9	Upper Marker
11	12,801	0.00	0.0	

Overall Results for sample 6 : 000810

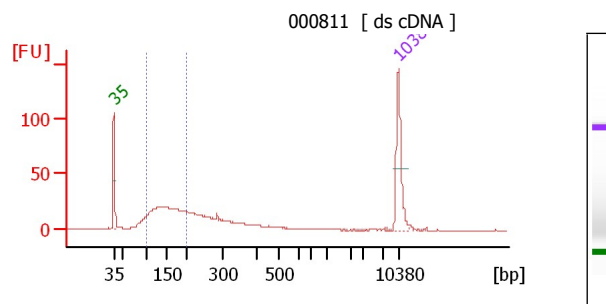
Number of peaks found: 11
 Noise: 0.2
 Corr. Area 1: 329.9

Region table for sample 6 : 000810

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
100	200	329.9	47	151	18.4	292.65	3,054.2	Blue

Peak table for sample 6 : 000810

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	121	86.38	1,084.1	
3	135	49.83	559.1	
4	177	23.25	199.1	
5	187	33.57	272.7	
6	222	26.98	184.3	
7	254	11.75	70.0	
8	285	6.45	34.3	
9	291	6.36	33.1	
10	315	4.92	23.6	
11	363	2.97	12.4	
12	10,380	75.00	10.9	Upper Marker
13	12,631	0.00	0.0	

Overall Results for sample 7 : 000811

Number of peaks found: 0
 Noise: 0.3
 Corr. Area 1: 305.8

Region table for sample 7 : 000811

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
100	200	305.8	47	150	18.6	251.13	2,636.6	Blue

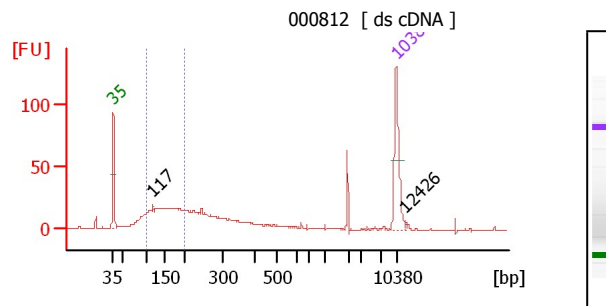
Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-06-27_17-02-37.xad

Created: 6/27/2011 5:02:37 PM
 Modified: 6/28/2011 9:20:40 AM

Electropherogram Summary Continued ...

Peak table for sample 7 : 000811

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker



Overall Results for sample 8 : 000812

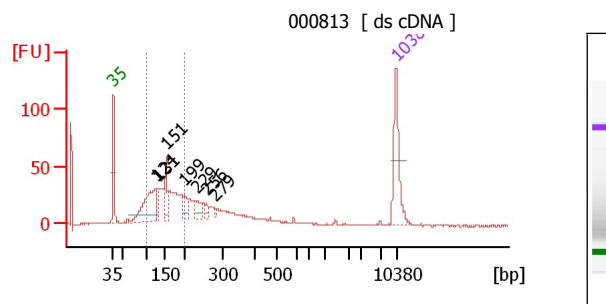
Number of peaks found: 2
 Noise: 0.3
 Corr. Area 1: 264.8

Region table for sample 8 : 000812

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
100	200	264.8	41	150	18.8	261.06	2,744.5	Blue

Peak table for sample 8 : 000812

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	117	4.62	59.6	
3	10,380	75.00	10.9	Upper Marker
4	12,426	0.00	0.0	



Overall Results for sample 9 : 000813

Number of peaks found: 7
 Noise: 0.3
 Corr. Area 1: 485.7

Region table for sample 9 : 000813

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
100	200	485.7	44	149	18.7	397.99	4,207.9	Blue

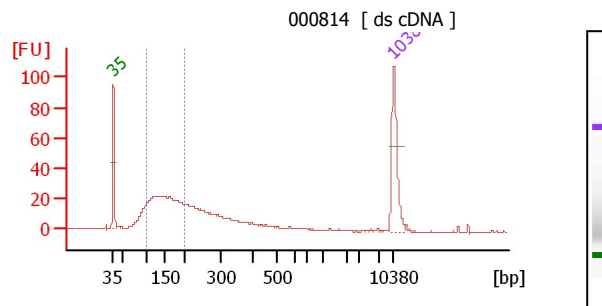
Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-06-27_17-02-37.xad

Created: 6/27/2011 5:02:37 PM
 Modified: 6/28/2011 9:20:40 AM

Electropherogram Summary Continued ...

Peak table for sample 9 : 000813

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	124	154.37	1,879.7	
3	131	27.80	320.5	
4	151	47.29	473.4	
5	199	31.10	236.5	
6	229	28.80	190.1	
7	256	10.42	61.6	
8	279	7.00	38.0	
9	10,380	75.00	10.9	Upper Marker



Overall Results for sample 10 : 000814

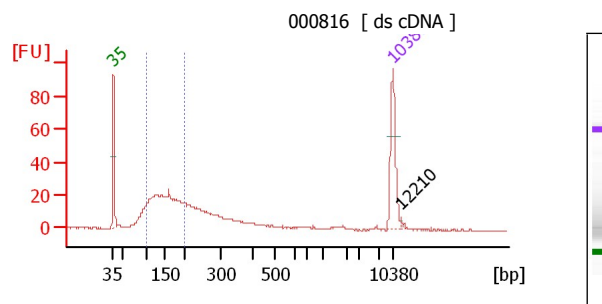
Number of peaks found: 0
 Noise: 0.2
 Corr. Area 1: 339.6

Region table for sample 10 : 000814

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
100	200	339.6	47	149	18.9	328.61	3,476.0	Blue

Peak table for sample 10 : 000814

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker



Overall Results for sample 11 : 000816

Number of peaks found: 1
 Noise: 0.2
 Corr. Area 1: 301.2

Region table for sample 11 : 000816

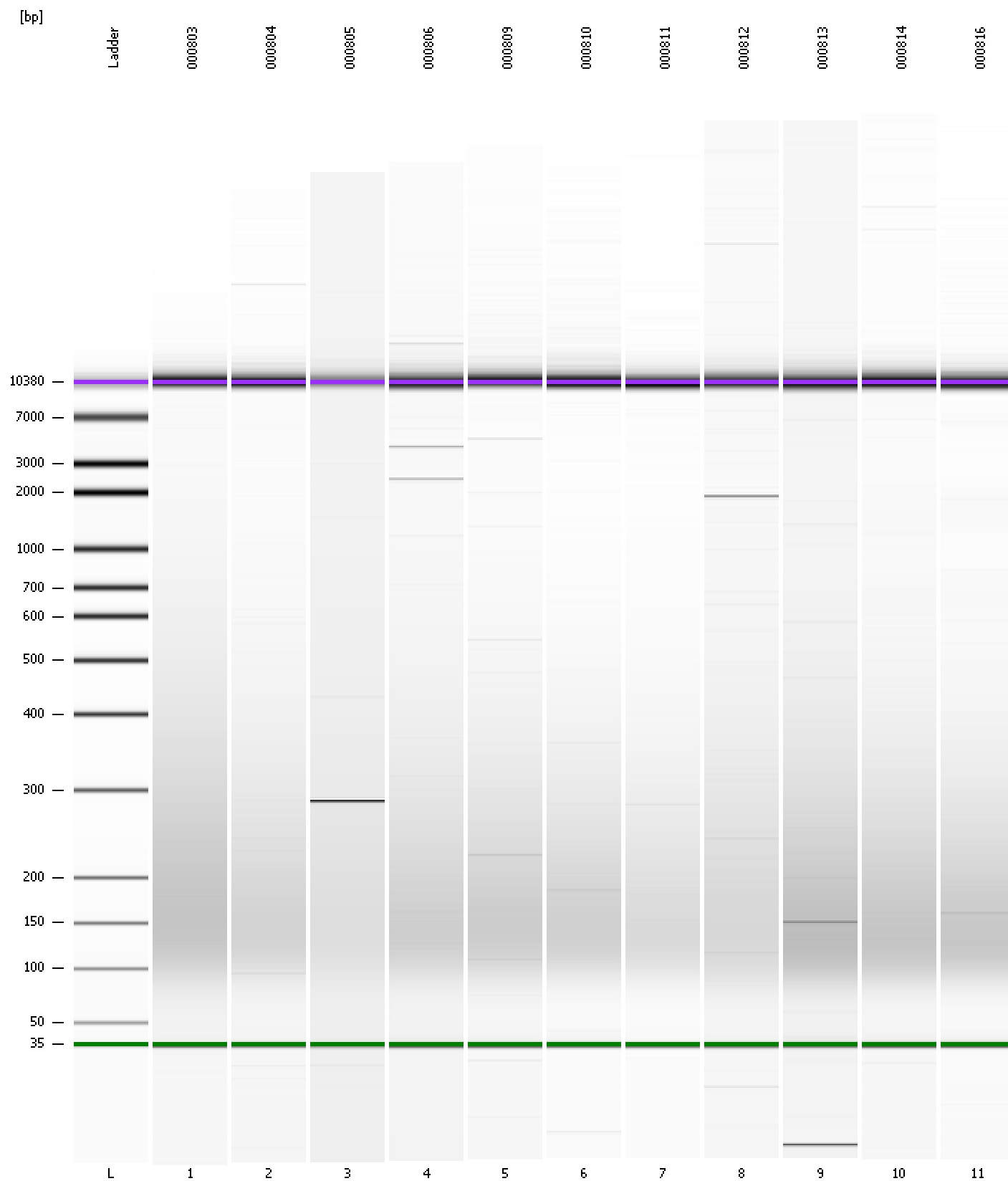
From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
100	200	301.2	49	149	18.7	355.85	3,762.0	Blue

Peak table for sample 11 : 000816

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker
3	12,210	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-06-27_17-02-37.xad

Created: 6/27/2011 5:02:37 PM
Modified: 6/28/2011 9:20:40 AM

Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-06-27_17-02-37.xad

Created: 6/27/2011 5:02:37 PM
Modified: 6/28/2011 9:20:40 AM

Curves

Standard Curve

