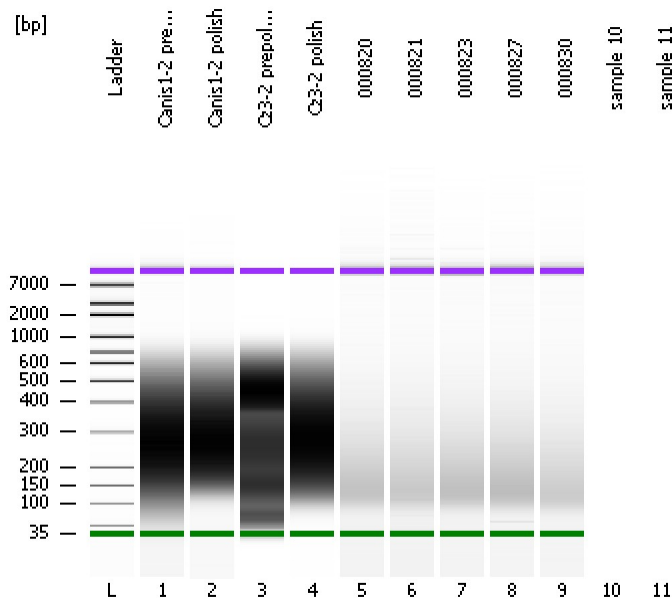


Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-06-27_19-14-10.xad

Created: 6/27/2011 7:14:09 PM
Modified: 6/28/2011 9:25:59 AM

Electrophoresis File Run Summary



Instrument Information:

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

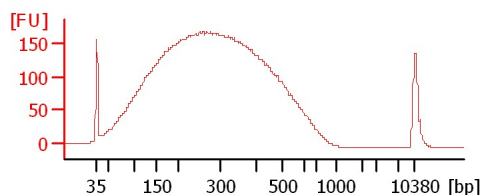
Assay Information:

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

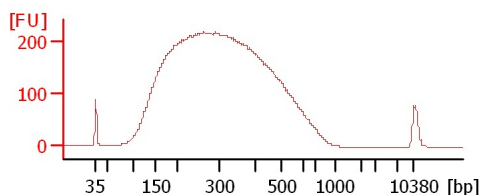
Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments: 2nd set of Jianxin Ma Soybean RNA Solexa samples. Acc# #000820-000830. 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 ...

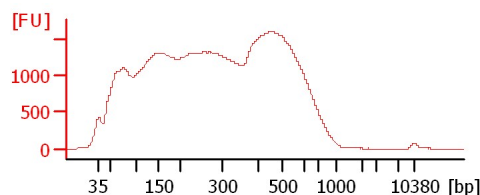
Canis1-2 prepolish



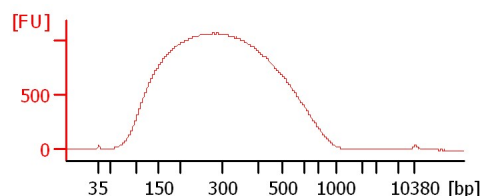
Canis1-2 polish



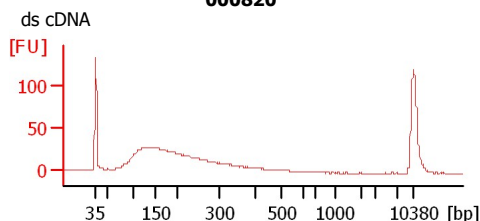
Cz3-2 prepolish



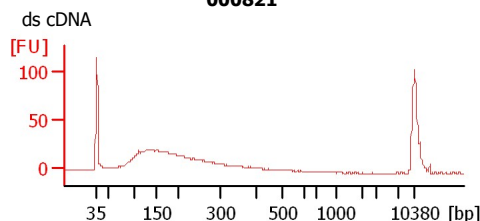
Cz3-2 polish



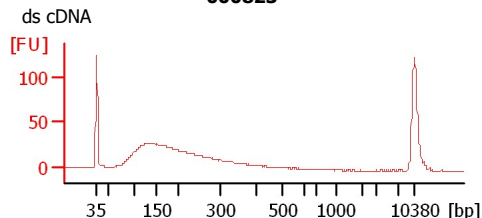
000820



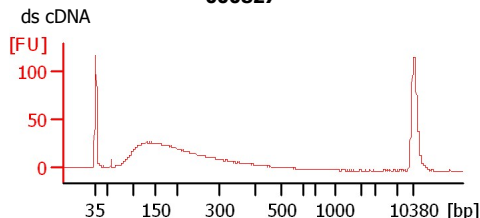
000821



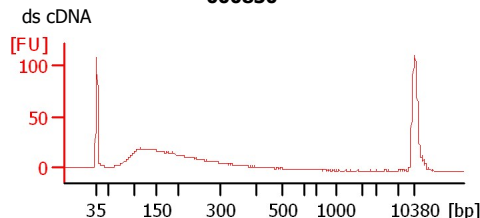
000823



000827



000830



Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-06-27_19-14-10.xad

Created: 6/27/2011 7:14:09 PM
Modified: 6/28/2011 9:25:59 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status Observation	Result Label	Result Color
Canis1-2 prepolish		☐	✓		
Canis1-2 polish		☐	✓		
Cz3-2 prepolish		☐	✓		
Cz3-2 polish		☐	✓		
000820	ds cDNA	☐	✓		
000821	ds cDNA	☐	✓		
000823	ds cDNA	☐	✓		
000827	ds cDNA	☐	✓		
000830	ds cDNA	☐	✓		
sample 10		☐			
sample 11		☐			
Ladder		☐	✓		

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

2nd set of Jianxin Ma Soybean RNA Solexa samples. Acc# #000820-000830. 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_19-14-10.xad

Created: 6/27/2011 7:14:09 PM
Modified: 6/28/2011 9:25:59 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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

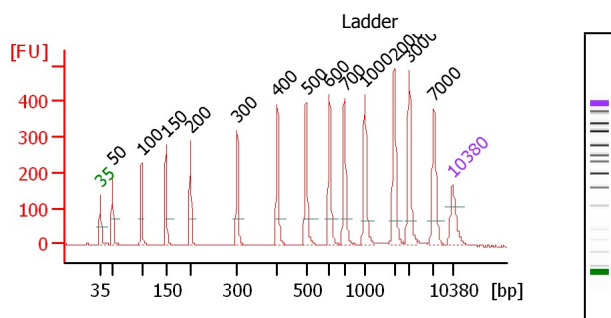
Ladder

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_19-14-10.xad

Created: 6/27/2011 7:14:09 PM
 Modified: 6/28/2011 9:25:59 AM

Electropherogram Summary



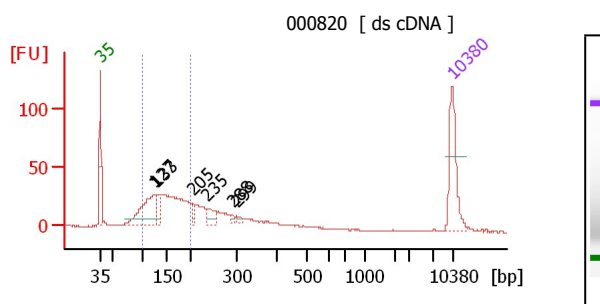
Overall Results for Ladder

Noise: 0.3

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 5 : 000820

Number of peaks found: 6
 Noise: 0.3
 Corr. Area 1: 422.5

Region table for sample 5 : 000820

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
100	200	422.5	51	149	18.5	349.46	3,676.0	Blue

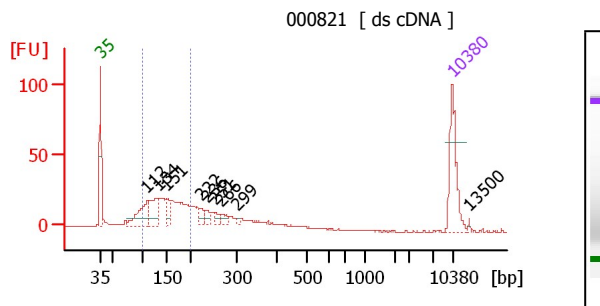
Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-06-27_19-14-10.xad

Created: 6/27/2011 7:14:09 PM
 Modified: 6/28/2011 9:25:59 AM

Electropherogram Summary Continued ...

Peak table for sample 5 : 000820

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	127	136.09	1,620.4	
3	133	26.20	299.5	
4	205	14.90	109.9	
5	235	30.58	197.4	
6	288	5.23	27.5	
7	299	7.27	36.9	
8	10,380	75.00	10.9	Upper Marker



Overall Results for sample 6 : 000821

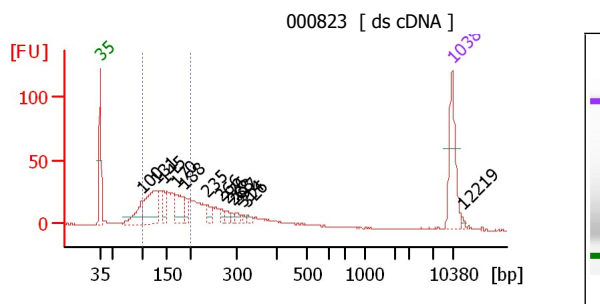
Number of peaks found: 9
 Noise: 0.2
 Corr. Area 1: 312.6

Region table for sample 6 : 000821

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
100	200	312.6	51	149	18.8	324.55	3,428.3	Blue

Peak table for sample 6 : 000821

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	112	84.32	1,145.6	
3	134	75.65	855.7	
4	151	36.31	365.5	
5	222	18.25	124.3	
6	236	13.18	84.7	
7	251	14.94	90.2	
8	266	11.45	65.1	
9	299	4.83	24.5	
10	10,380	75.00	10.9	Upper Marker
11	13,500	0.00	0.0	



Overall Results for sample 7 : 000823

Number of peaks found: 13
 Noise: 0.3
 Corr. Area 1: 410.2

Region table for sample 7 : 000823

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
100	200	410.2	51	149	18.6	378.19	3,985.8	Blue

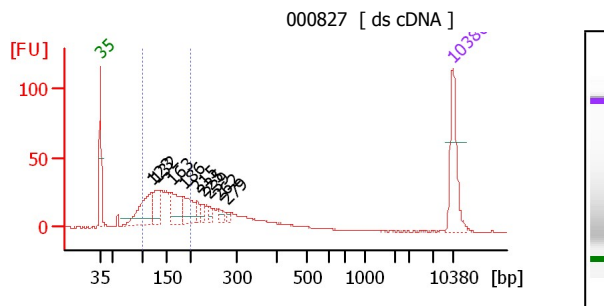
Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-06-27_19-14-10.xad

Created: 6/27/2011 7:14:09 PM
 Modified: 6/28/2011 9:25:59 AM

Electropherogram Summary Continued ...

Peak table for sample 7 : 000823

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	100	56.54	857.3	
3	131	122.59	1,416.1	
4	145	30.41	317.4	
5	170	58.47	521.3	
6	188	20.67	166.3	
7	235	23.36	150.3	
8	266	10.53	60.0	
9	276	11.26	61.9	
10	288	7.41	39.0	
11	297	9.99	50.9	
12	314	5.11	24.7	
13	326	7.10	33.1	
14	10,380	75.00	10.9	Upper Marker
15	12,219	0.00	0.0	

Overall Results for sample 8 : 000827

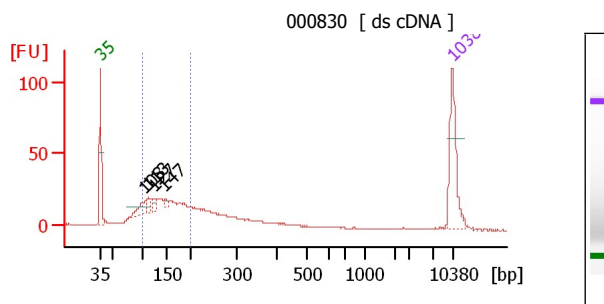
Number of peaks found: 9
 Noise: 0.3
 Corr. Area 1: 404.0

Region table for sample 8 : 000827

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Co lo
100	200	404.0	51	149	18.6	374.42	3,946.2	

Peak table for sample 8 : 000827

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	123	123.71	1,529.1	
3	132	52.18	599.7	
4	163	67.58	628.7	
5	186	65.06	529.2	
6	215	18.28	129.0	
7	225	11.53	77.7	
8	239	13.43	85.2	
9	262	13.02	75.4	
10	279	6.58	35.8	
11	10,380	75.00	10.9	Upper Marker

Overall Results for sample 9 : 000830

Number of peaks found: 4
 Noise: 0.2
 Corr. Area 1: 285.6

Region table for sample 9 : 000830

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Co lo
100	200	285.6	52	147	19.2	283.56	3,030.9	

Peak table for sample 9 : 000830

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	108	38.96	546.7	
3	113	17.96	239.8	
4	127	15.62	186.9	
5	147	6.46	66.4	
6	10,380	75.00	10.9	Upper Marker

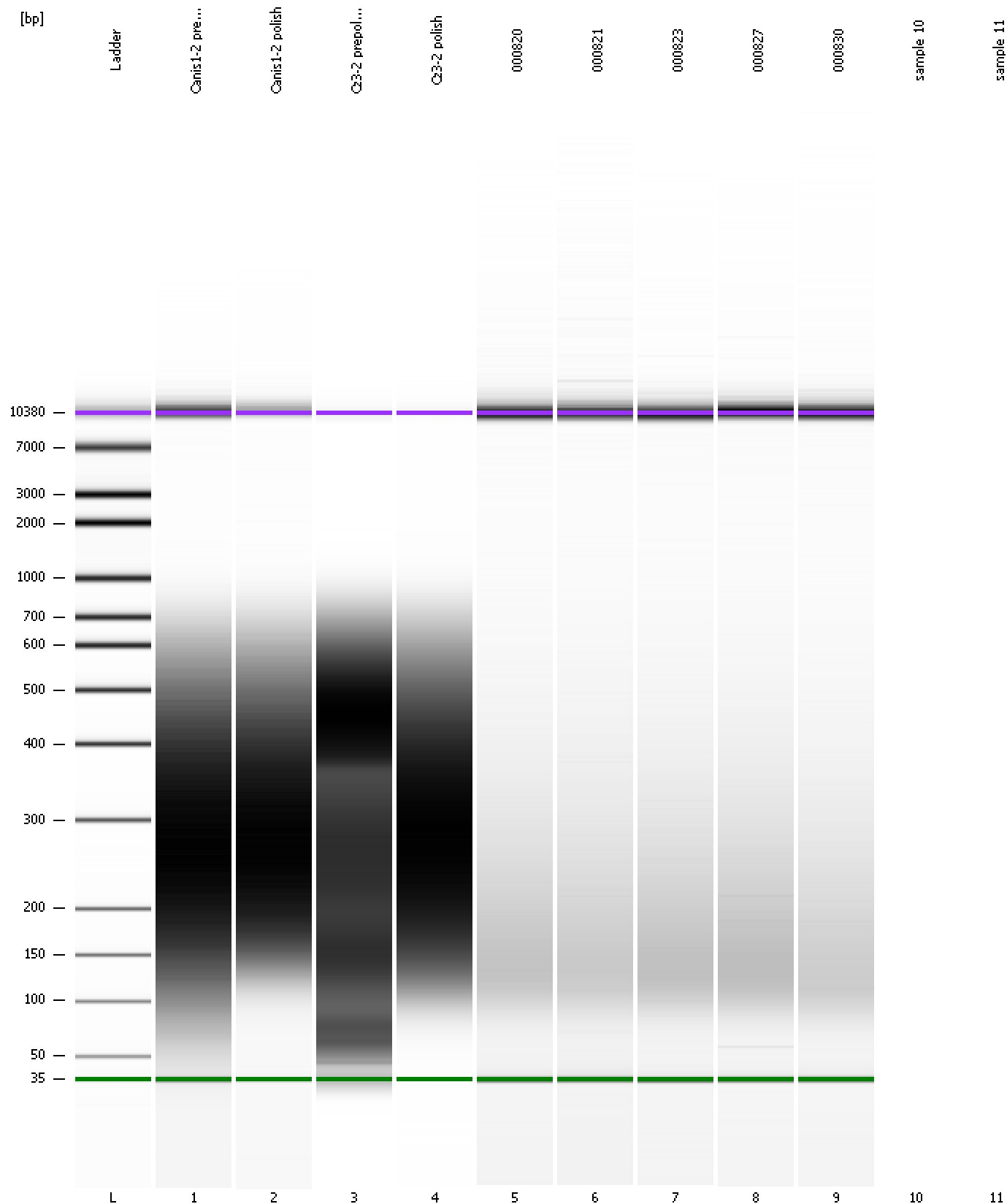
Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-06-27_19-14-10.xad

Created: 6/27/2011 7:14:09 PM
Modified: 6/28/2011 9:25:59 AM

Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-06-27_19-14-10.xad

Created: 6/27/2011 7:14:09 PM
Modified: 6/28/2011 9:25:59 AM

Curves

Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-06-27_19-14-10.xad

Created: 6/27/2011 7:14:09 PM
Modified: 6/28/2011 9:25:59 AM

Curves

Standard Curve

