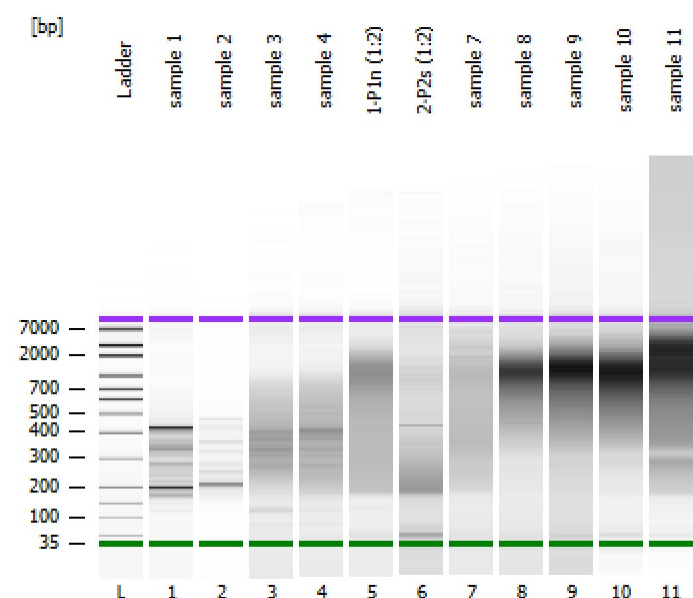


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE24802100_2017-06-29_13-42-43.xad

Created: 6/29/2017 1:42:43 PM
Modified: 7/3/2017 4:25:27 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE24802100 Firmware: C.01.069
Serial#: DE24802100 Type: G2938B

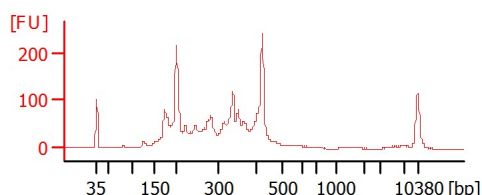
Assay Information:

Assay Origin Path: C:\Program Files (x86)\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

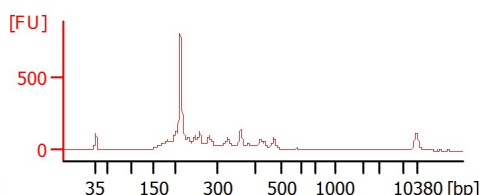
Chip Information:

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

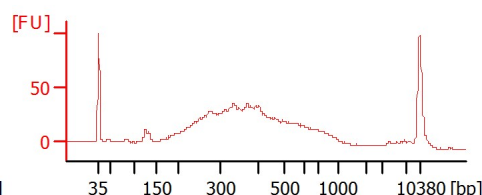
sample 1



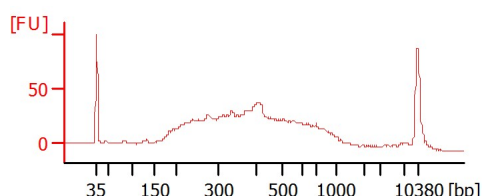
sample 2



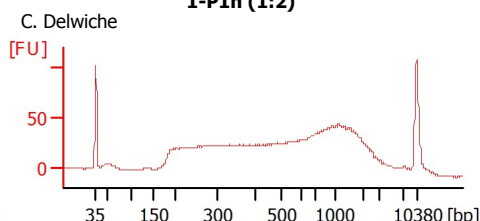
sample 3



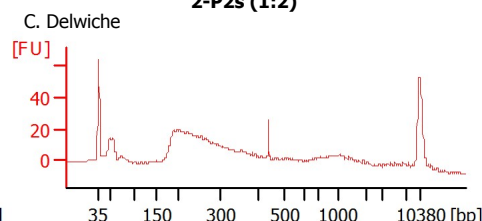
sample 4



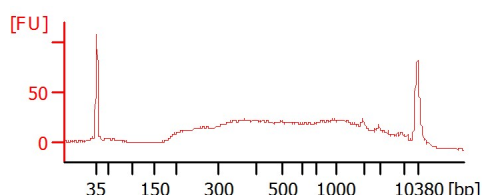
1-P1n (1:2)



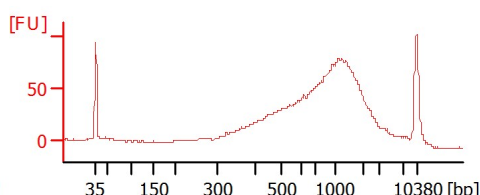
2-P2s (1:2)



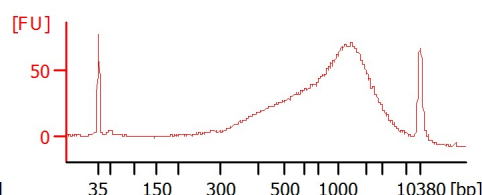
sample 7



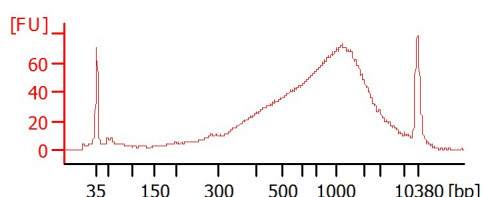
sample 8



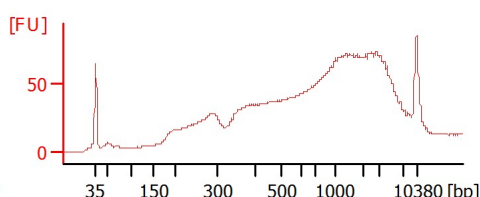
sample 9



sample 10



sample 11



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE24802100_2017-06-29_13-42-43.xad

Created: 6/29/2017 1:42:43 PM
Modified: 7/3/2017 4:25:27 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 1		<input type="checkbox"/>	✓			
sample 2		<input type="checkbox"/>	✓			
sample 3		<input type="checkbox"/>	✓			
sample 4		<input type="checkbox"/>	✓			
1-P1n (1:2)	C. Delwiche	<input type="checkbox"/>	✓			
2-P2s (1:2)	C. Delwiche	<input type="checkbox"/>	✓			
sample 7		<input type="checkbox"/>	✓			
sample 8		<input type="checkbox"/>	✓			
sample 9		<input type="checkbox"/>	✓			
sample 10		<input type="checkbox"/>	✓			
sample 11		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE24802100_2017-06-29_13-42-43.xad

Created: 6/29/2017 1:42:43 PM
Modified: 7/3/2017 4:25:27 PM

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

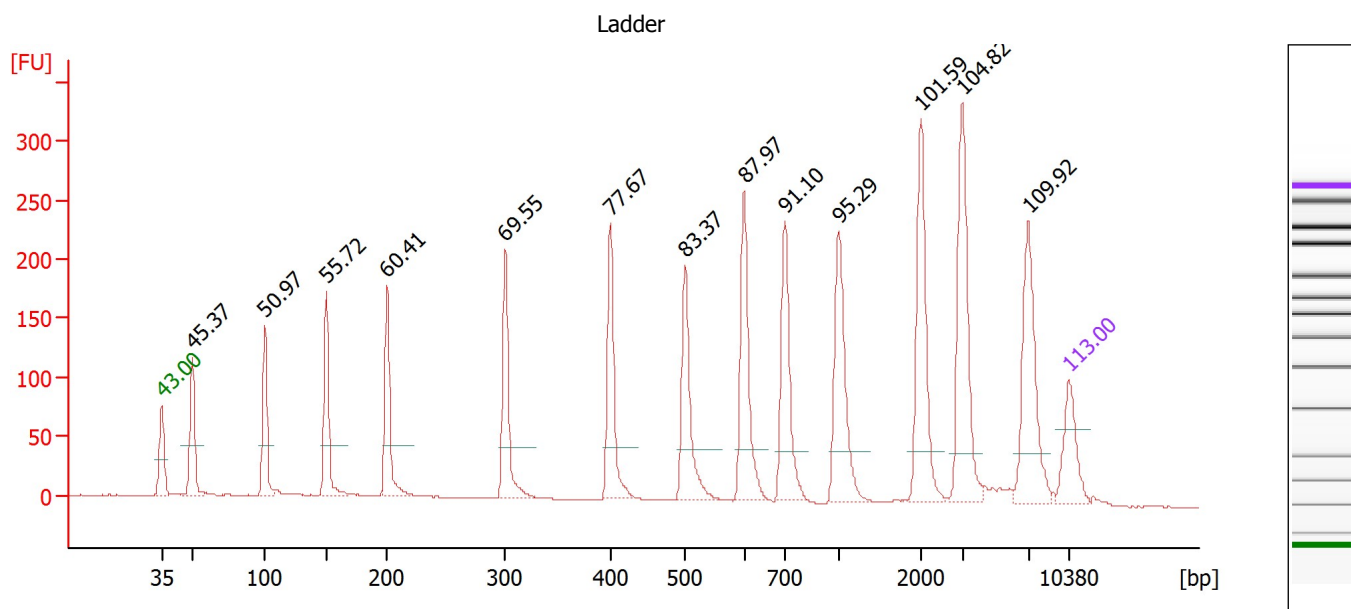
Ladder

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: C:\...gh Sensitivity DNA Assay_DE24802100_2017-06-29_13-42-43.xad

Created: 6/29/2017 1:42:43 PM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.4

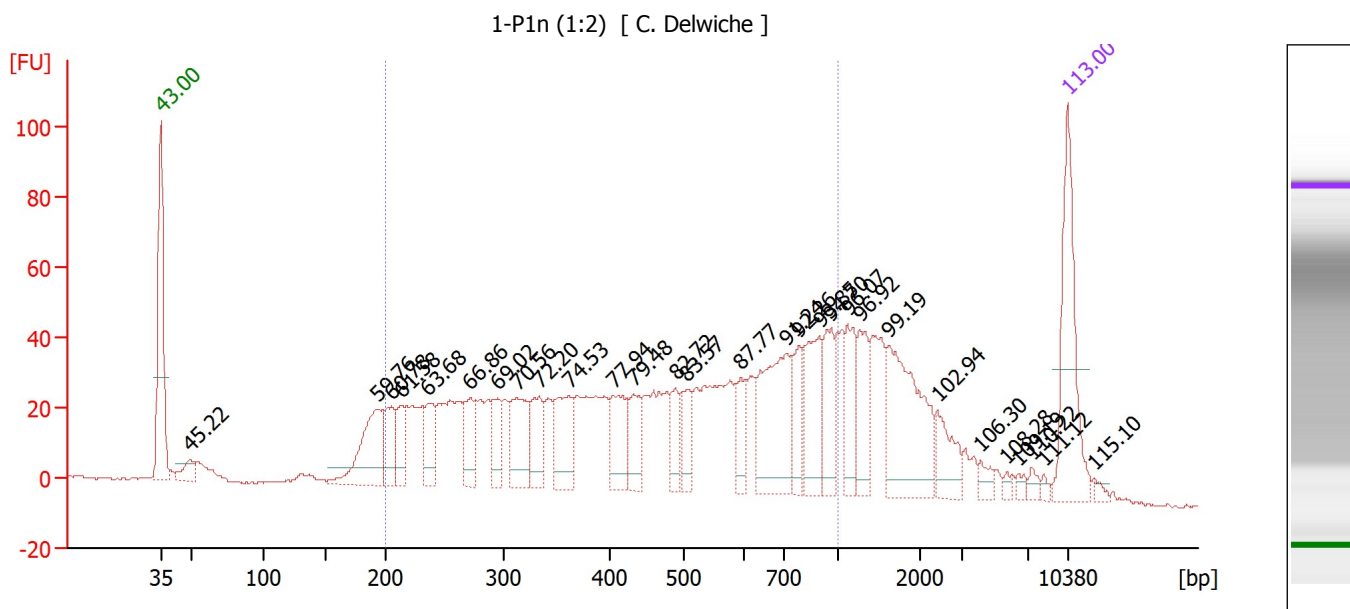
Peak table for Ladder

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
14	█	7,000	150.00	32.5	Ladder Peak
15	▶	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802100_2017-06-29_13-42-43.xad

Created: 6/29/2017 1:42:43 PM
 Modified: 7/3/2017 4:25:27 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 1-P1n (1:2)

Number of peaks found: 29 Corr. Area 1: 1,196.9
 Noise: 0.3

Peak table for sample 5 : 1-P1n (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	49	18.32	566.4	
3	193	81.06	636.1	
4	204	39.82	295.6	
5	213	32.87	234.1	
6	236	36.75	236.1	
7	271	36.05	201.8	
8	294	30.40	156.5	
9	312	54.04	262.1	
10	333	38.23	174.1	
11	361	50.03	209.7	
12	405	43.42	162.5	
13	432	32.29	113.3	
14	488	23.80	73.8	
15	504	27.24	81.9	
16	596	24.85	63.2	
17	710	97.84	208.8	
18	783	30.33	58.7	
19	897	51.86	87.6	
20	958	39.67	62.7	
21	1,124	38.72	52.2	
22	1,259	34.85	41.9	
23	1,619	93.30	87.3	
24	2,418	24.78	15.5	
25	4,155	7.32	2.7	
26	5,715	3.68	1.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE24802100_2017-06-29_13-42-43.xad

Created: 6/29/2017 1:42:43 PM
Modified: 7/3/2017 4:25:27 PM

Electropherogram Summary Continued ...**... Peak table for sample 5 : 1-P1n (1:2)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	6,429	4.13	1.0	
28	7,323	4.78	1.0	
29	8,321	3.05	0.6	
30	10,380	75.00	10.9	Upper Marker
31	12,688	0.00	0.0	

Region table for sample 5 : 1-P1n (1:2)

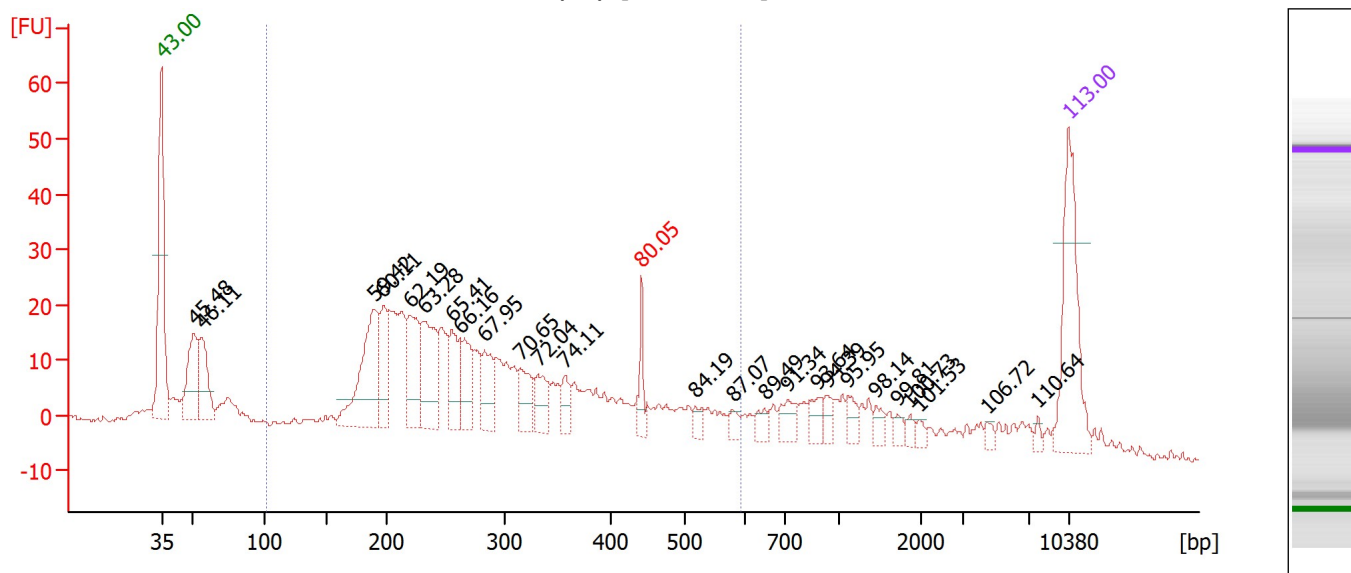
From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,196.9	72	494	43.2	1,196.16	4,803.1	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE24802100_2017-06-29_13-42-43.xad

Created: 6/29/2017 1:42:43 PM
 Modified: 7/3/2017 4:25:27 PM

Electropherogram Summary Continued ...

2-P2s (1:2) [C. Delwiche]



Overall Results for sample 6 : 2-P2s (1:2)

Number of peaks found: 25 Corr. Area 1: 476.0
 Noise: 0.7

Peak table for sample 6 : 2-P2s (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	51	69.19	2,057.9	
3	57	55.70	1,491.1	
4	189	110.20	881.4	
5	197	52.32	402.8	
6	219	63.56	438.9	
7	231	70.76	463.3	
8	255	44.37	263.9	
9	263	42.59	245.4	
10	282	37.85	203.0	
11	314	28.95	139.8	
12	331	27.03	123.9	
13	356	17.13	72.9	
14	442	19.91	68.3	excluded peak
15	518	8.10	23.7	
16	581	8.07	21.1	
17	649	9.54	22.3	
18	717	16.26	34.4	
19	882	12.80	22.0	
20	936	9.08	14.7	
21	1,105	9.51	13.0	
22	1,452	7.61	7.9	
23	1,717	5.14	4.5	
24	1,863	4.52	3.7	
25	1,991	4.56	3.5	
26	4,488	4.31	1.5	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE24802100_2017-06-29_13-42-43.xad

Created: 6/29/2017 1:42:43 PM
Modified: 7/3/2017 4:25:27 PM

Electropherogram Summary Continued ...**... Peak table for sample 6 : 2-P2s (1:2)**

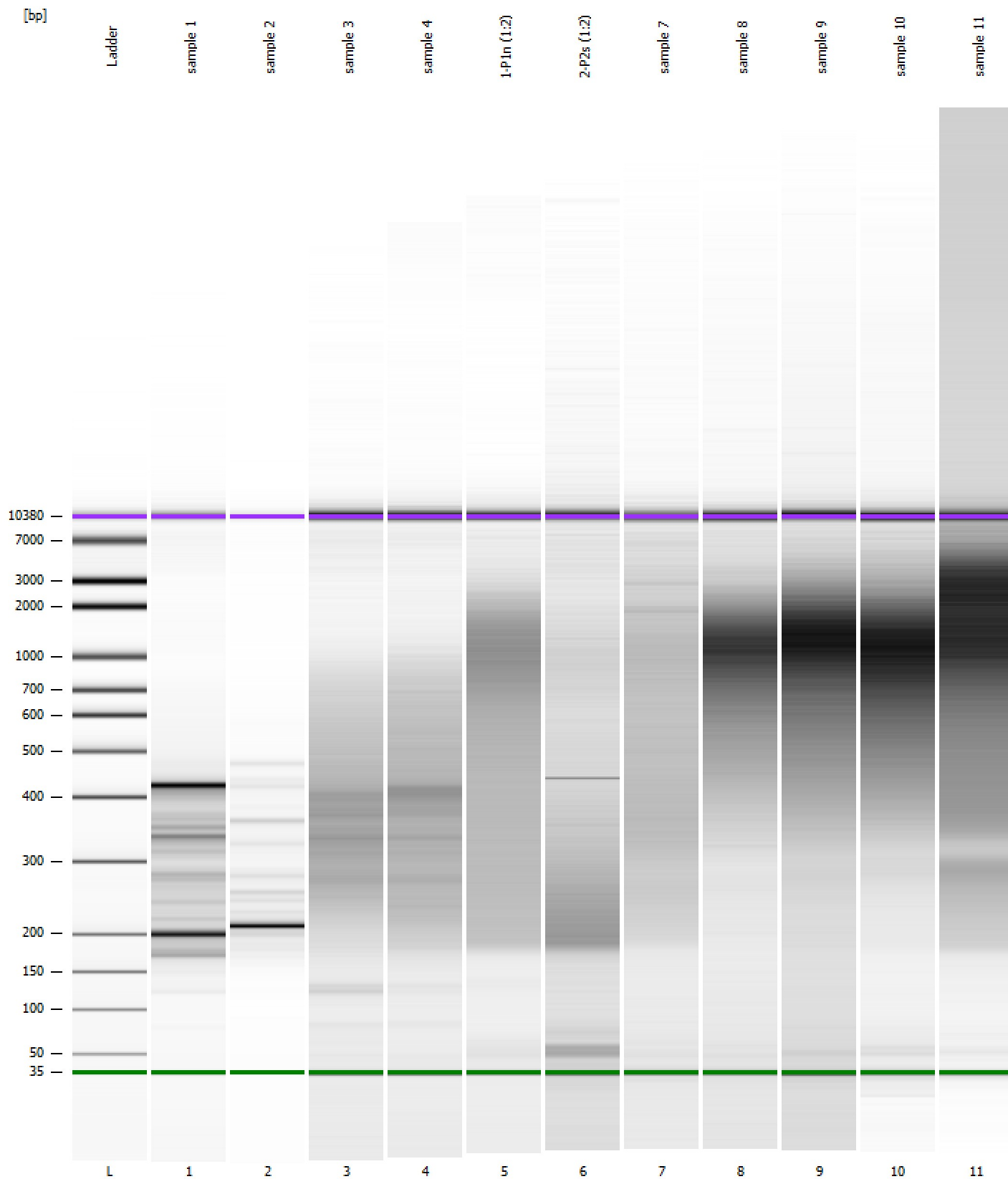
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	7,787	3.43	0.7	
28	10,380	75.00	10.9	Upper Marker

Region table for sample 6 : 2-P2s (1:2)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
101	596	476.0	70	299	34.6	908.37	5,346.2	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE24802100_2017-06-29_13-42-43.xad

Created: 6/29/2017 1:42:43 PM
Modified: 7/3/2017 4:25:27 PM

Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE24802100_2017-06-29_13-42-43.xad

Created: 6/29/2017 1:42:43 PM
Modified: 7/3/2017 4:25:27 PM

Curves

Standard Curve

