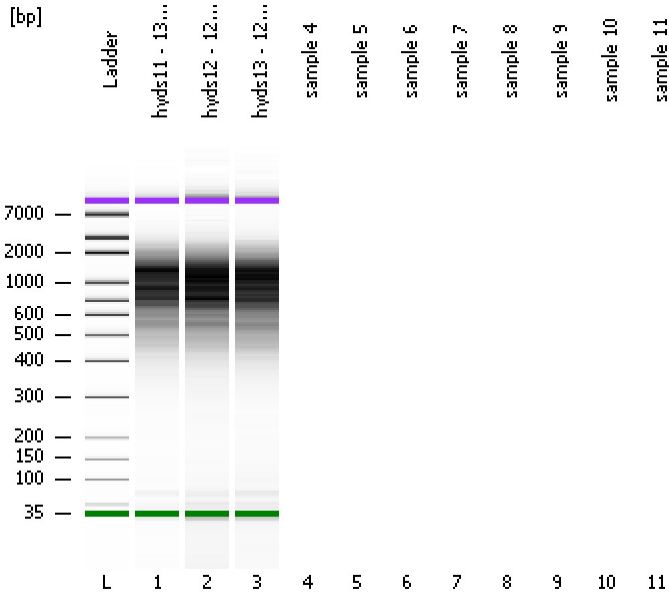


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-06\2017-12-06_001.xad

Created: 12/6/2017 12:47:25 PM
Modified: 12/6/2017 1:10:32 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\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

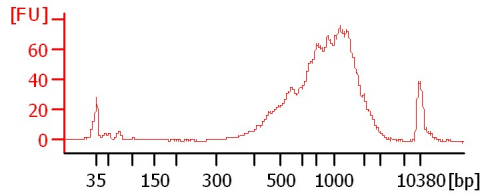
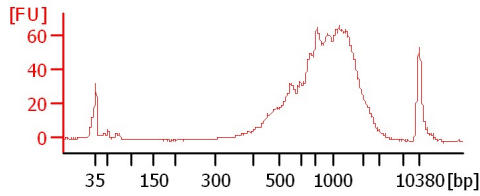
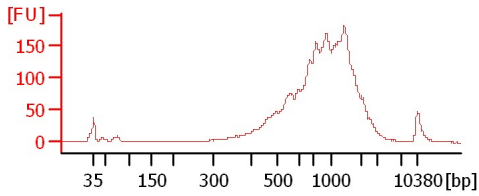
Chip Information:

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

hyds11 - 13cyc

hyds12 - 12cyc

hyds13 - 12cyc



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-06\2017-12-06_001.xad

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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
hyds11 - 13cyc		<input type="checkbox"/>	✓			
hyds12 - 12cyc		<input type="checkbox"/>	✓			
hyds13 - 12cyc		<input type="checkbox"/>	✓			
sample 4		<input type="checkbox"/>				
sample 5		<input type="checkbox"/>				
sample 6		<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:\... bioanalyzer\2100 expert\data\2017-12-06\2017-12-06_001.xad

Created: 12/6/2017 12:47:25 PM
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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

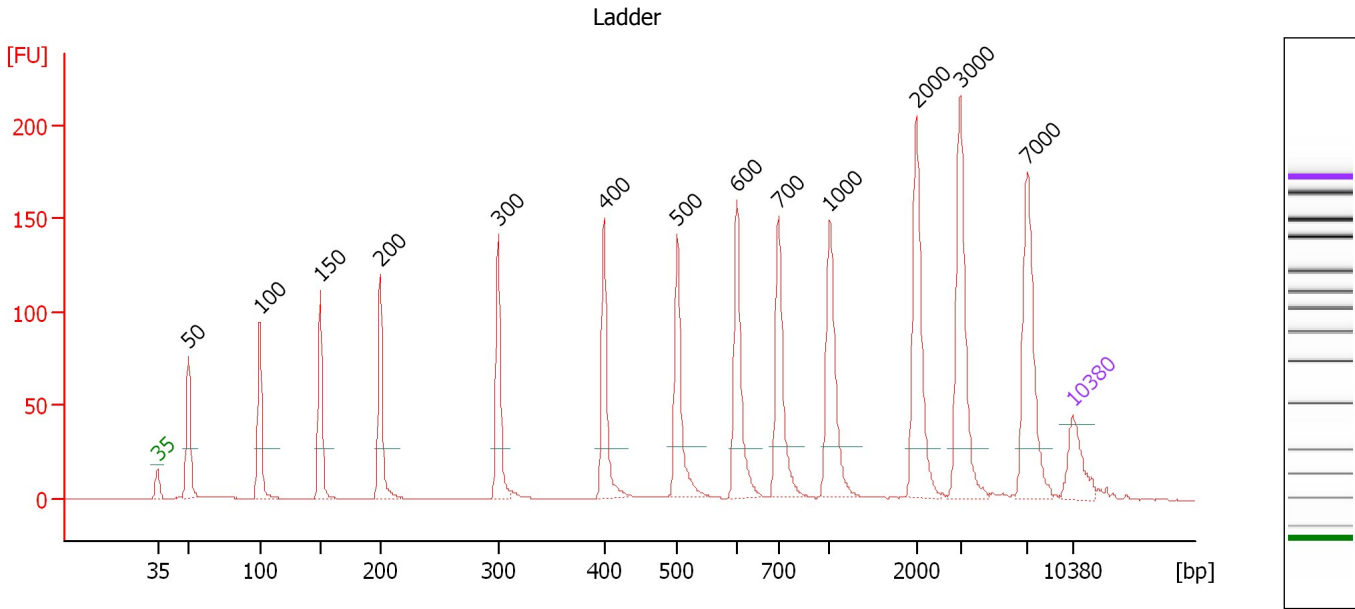
Ladder

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:\... bioanalyzer\2100 expert\data\2017-12-06\2017-12-06_001.xad

Created: 12/6/2017 12:47:25 PM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

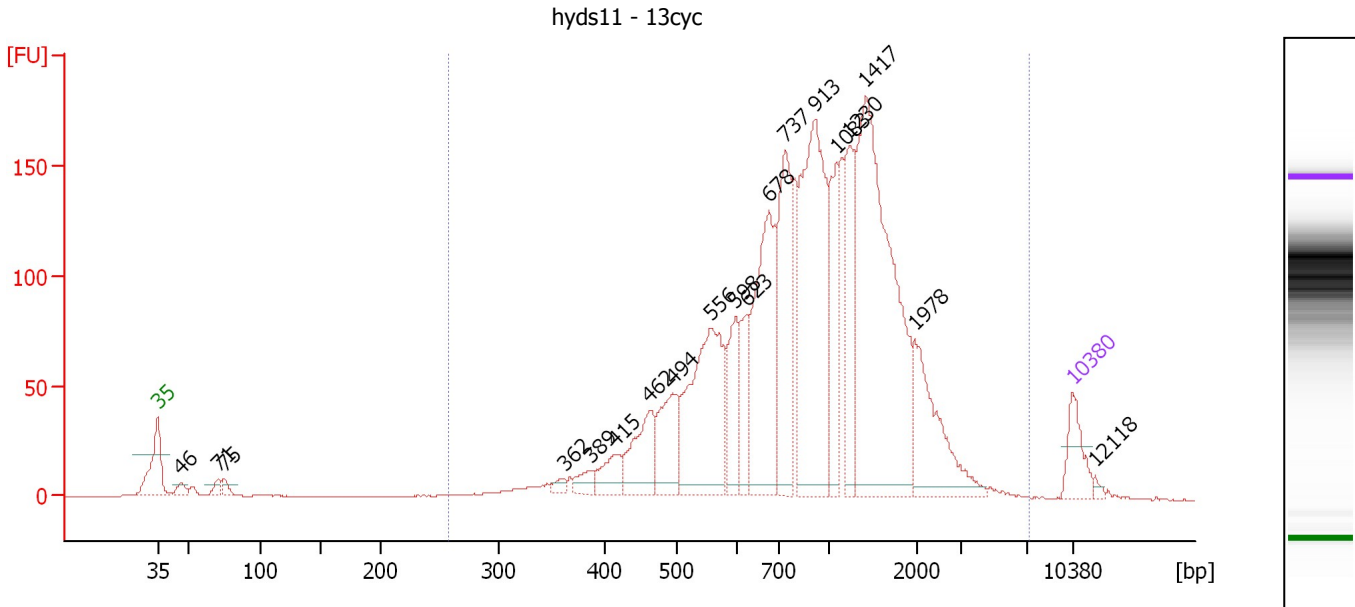
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.35
3	100	150.00	2,272.7	Ladder Peak	50.84
4	150	150.00	1,515.2	Ladder Peak	55.46
5	200	150.00	1,136.4	Ladder Peak	60.03
6	300	150.00	757.6	Ladder Peak	69.09
7	400	150.00	568.2	Ladder Peak	77.15
8	500	150.00	454.5	Ladder Peak	82.77
9	600	150.00	378.8	Ladder Peak	87.34
10	700	150.00	324.7	Ladder Peak	90.52
11	1,000	150.00	227.3	Ladder Peak	94.44
12	2,000	150.00	113.6	Ladder Peak	101.06
13	3,000	150.00	75.8	Ladder Peak	104.42
14	7,000	150.00	32.5	Ladder Peak	109.56
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-06\2017-12-06_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : hyds11 - 13cyc

Number of peaks found: 19 Corr. Area 1: 2,822.2
 Noise: 0.2

Peak table for sample 1 : hyds11 - 13cyc

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	46	30.11	985.7		44.77
3	71	27.76	593.3		47.65
4	75	25.84	522.5		48.09
5	362	19.52	81.6		74.11
6	389	38.92	151.7		76.23
7	415	78.61	286.9		78.00
8	462	170.19	557.7		80.65
9	494	183.35	562.5		82.42
10	556	454.23	1,237.1		85.35
11	598	148.66	376.7		87.25
12	623	114.95	279.4		88.09
13	678	461.04	1,030.8		89.81
14	737	354.40	728.4		91.01
15	913	657.99	1,091.7		93.31
16	1,083	185.16	259.1		94.99
17	1,230	204.19	251.6		95.96
18	1,417	873.31	933.9		97.20
19	1,978	231.60	177.4		100.92
20	10,380	75.00	10.9	Upper Marker	113.00
21	12,118	0.00	0.0		114.77

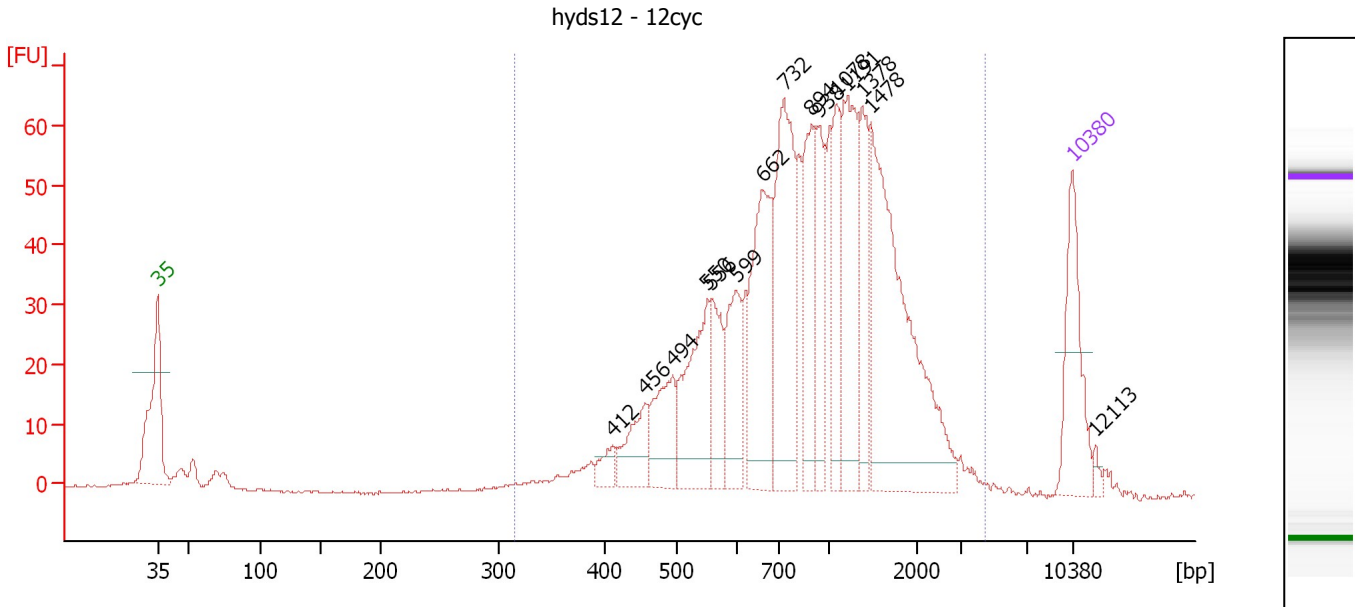
Region table for sample 1 : hyds11 - 13cyc

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
257	7,088	1,076	2,822.2	9,039.7	4,628.83	98	59.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-06\2017-12-06_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : hyds12 - 12cyc

Number of peaks found: 15 Corr. Area 1: 1,104.8
 Noise: 0.2

Peak table for sample 2 : hyds12 - 12cyc

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	412	18.52	68.0		77.85
3	456	52.30	173.6		80.32
4	494	70.85	217.3		82.43
5	550	115.54	318.0		85.08
6	556	61.99	168.8		85.34
7	599	73.37	185.7		87.28
8	662	158.06	361.8		89.31
9	732	192.25	397.8		90.95
10	894	92.48	156.7		93.06
11	938	74.18	119.8		93.64
12	1,078	62.56	87.9		94.96
13	1,191	127.85	162.6		95.71
14	1,378	66.05	72.6		96.94
15	1,478	264.60	271.3		97.61
16	10,380	75.00	10.9	Upper Marker	113.00
17	12,113	0.00	0.0		114.76

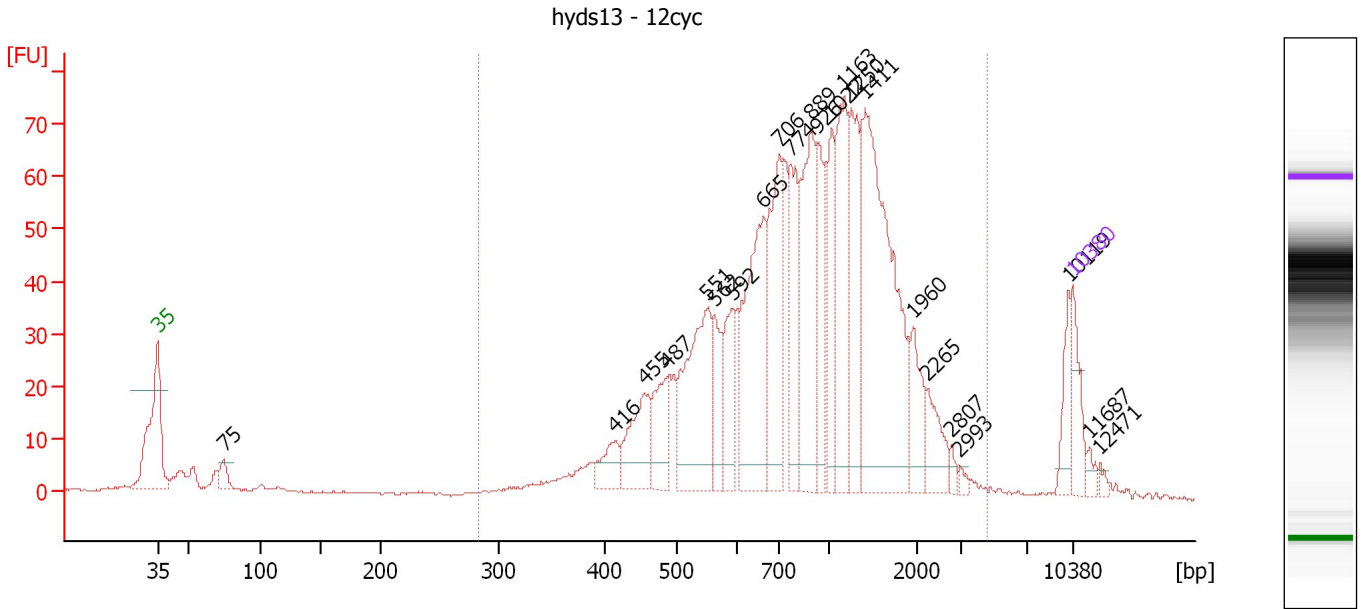
Region table for sample 2 : hyds12 - 12cyc

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
315	4,461	1,046	1,104.8	3,104.6	1,603.29	97	52.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-06\2017-12-06_001.xad

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 Modified: 12/6/2017 1:10:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : hyds13 - 12cyc

Number of peaks found: 23 Corr. Area 1: 1,248.6
 Noise: 0.2

Peak table for sample 3 : hyds13 - 12cyc

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	75	47.40	962.1		48.06
3	416	74.31	270.7		78.04
4	455	169.70	565.6		80.22
5	487	134.70	419.1		82.04
6	551	348.27	957.9		85.10
7	562	105.89	285.7		85.59
8	592	125.76	322.1		86.96
9	665	398.55	908.5		89.40
10	706	293.92	631.0		90.60
11	774	197.64	387.1		91.49
12	889	324.34	552.8		92.99
13	926	170.27	278.5		93.48
14	1,022	146.77	217.6		94.59
15	1,163	265.53	346.0		95.52
16	1,250	215.42	261.1		96.10
17	1,411	634.65	681.6		97.16
18	1,960	92.87	71.8		100.80
19	2,265	79.88	53.4		101.95
20	2,807	13.59	7.3		103.77
21	2,993	9.80	5.0		104.39
22	10,119	61.72	9.2		112.73
23	10,380	75.00	10.9	Upper Marker	113.00
24	11,687	0.00	0.0		114.33
25	12,471	0.00	0.0		115.13

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-06\2017-12-06_001.xad

Created: 12/6/2017 12:47:25 PM
Modified: 12/6/2017 1:10:32 PM

Electropherogram Summary Continued ...

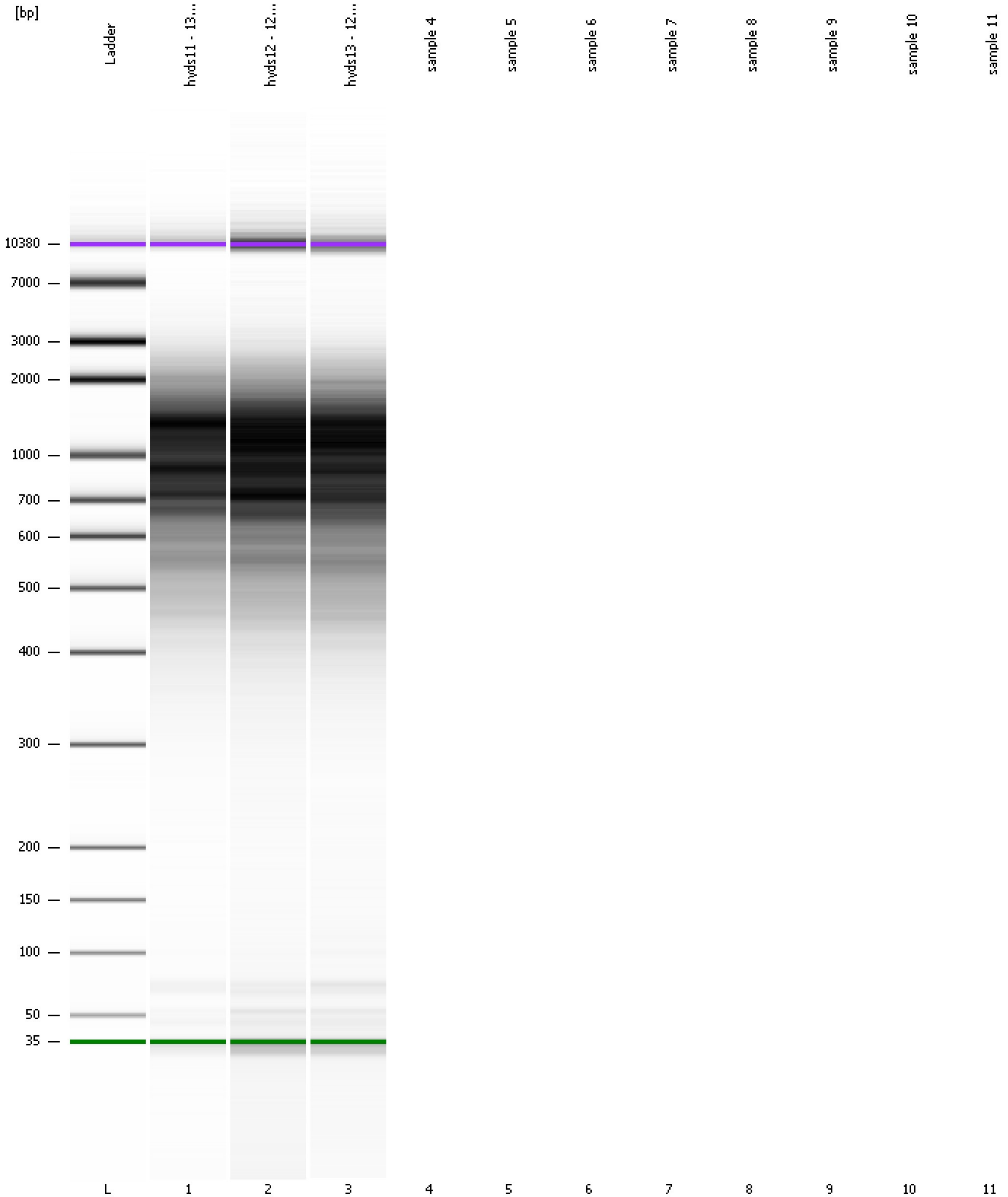
... Region table for sample 3 : hyds13 - 12cyc

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
282	4,615	1,029	1,248.6	8,597.2	4,314.63	93	53.6

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-06\2017-12-06_001.xad

Created: 12/6/2017 12:47:25 PM
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Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-06\2017-12-06_001.xad

Created: 12/6/2017 12:47:25 PM
Modified: 12/6/2017 1:10:32 PM

Invalid Samples

Sample 4 has not been run, no results available.
Sample 5 has not been run, no results available.
Sample 6 has not been run, no results available.
Sample 7 has not been run, no results available.
Sample 8 has not been run, no results available.
Sample 9 has not been run, no results available.
Sample 10 has not been run, no results available.
Sample 11 has not been run, no results available.