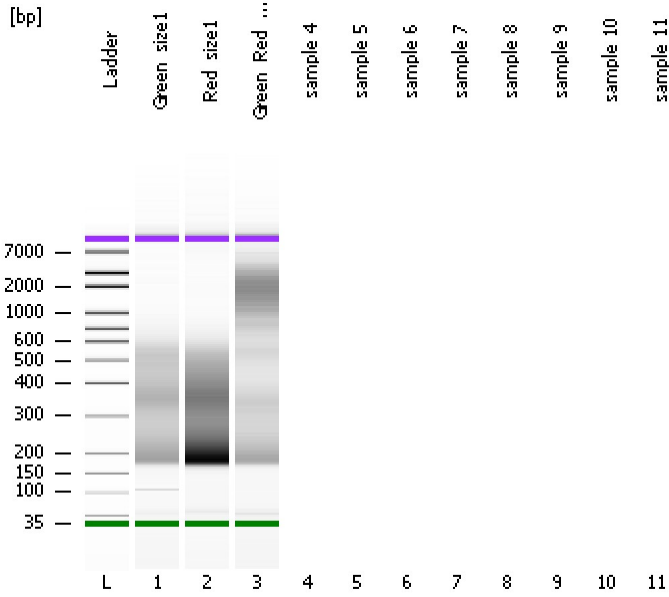


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19\_005.xad

Created: 1/19/2018 2:24:30 PM  
Modified: 1/19/2018 2:51:31 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

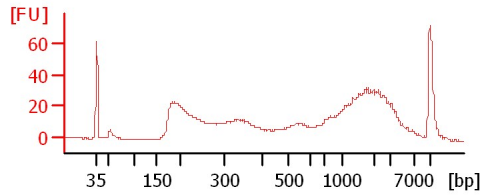
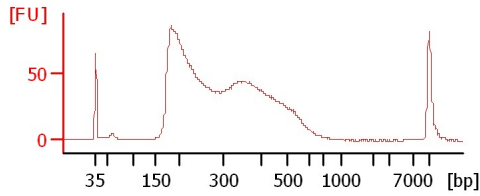
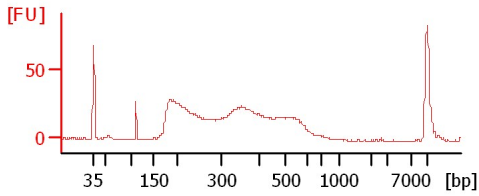
Chip Information:

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

**Green\_size1**

**Red\_size1**

**Green\_Red\_size1**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19\_005.xad

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**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Green_size1		<input type="checkbox"/>	✓			
Red_size1		<input type="checkbox"/>	✓			
Green_Red_size1		<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"/>	✓			

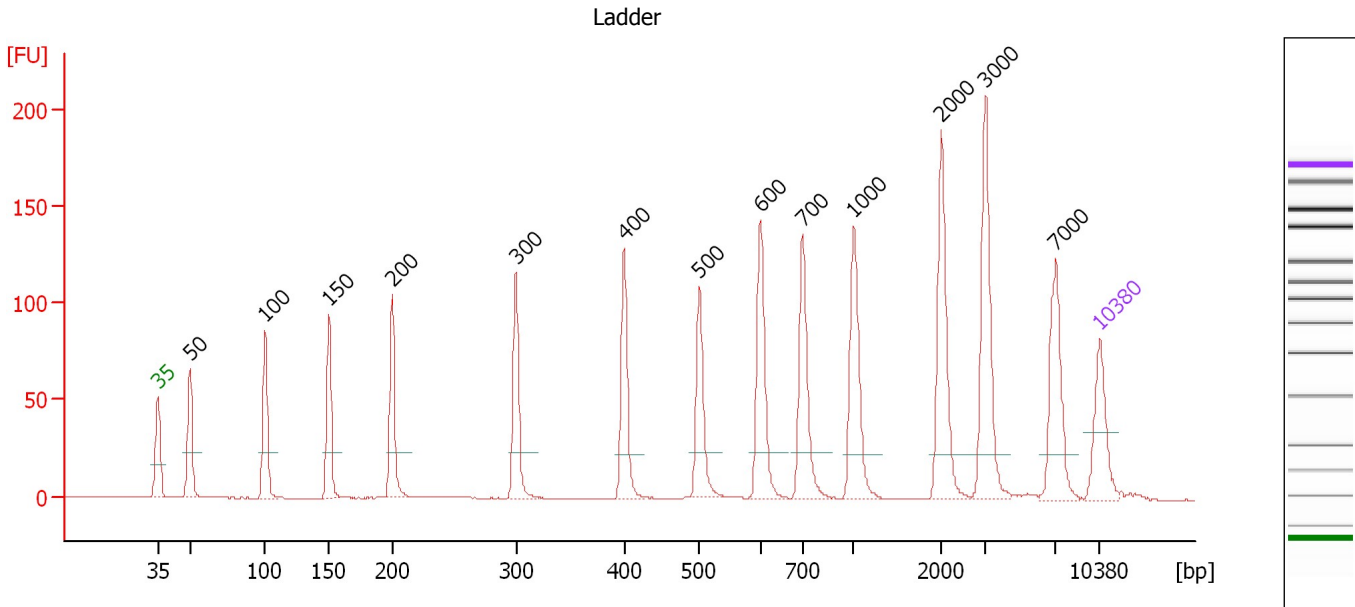
**Chip Lot #** **Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19\_005.xad

Created: 1/19/2018 2:24:30 PM  
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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

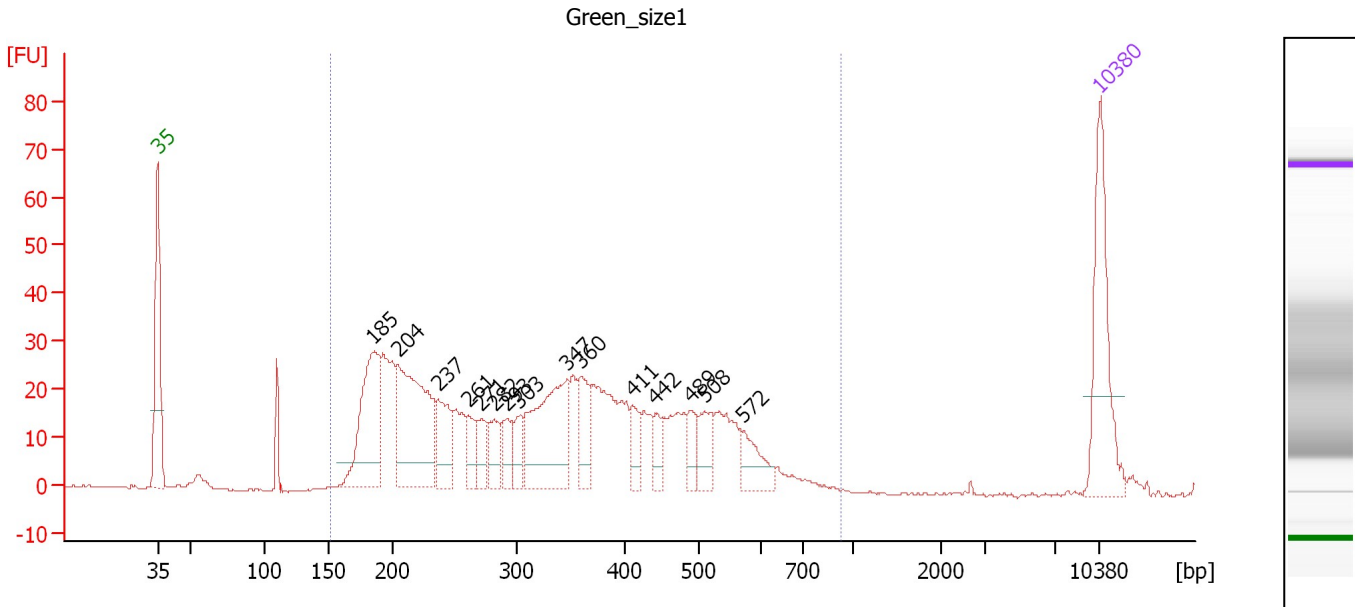
**Peak table for Ladder**

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	45.38
3	100	150.00	2,272.7	Ladder Peak	50.98
4	150	150.00	1,515.2	Ladder Peak	55.74
5	200	150.00	1,136.4	Ladder Peak	60.44
6	300	150.00	757.6	Ladder Peak	69.61
7	400	150.00	568.2	Ladder Peak	77.64
8	500	150.00	454.5	Ladder Peak	83.25
9	600	150.00	378.8	Ladder Peak	87.77
10	700	150.00	324.7	Ladder Peak	90.90
11	1,000	150.00	227.3	Ladder Peak	94.70
12	2,000	150.00	113.6	Ladder Peak	101.21
13	3,000	150.00	75.8	Ladder Peak	104.49
14	7,000	150.00	32.5	Ladder Peak	109.72
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19\_005.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : Green\_size1**

Number of peaks found: 15                      Corr. Area 1: 825.2  
 Noise: 0.2

**Peak table for sample 1 : Green\_size1**

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	185	127.68	1,047.6		59.00
3	204	168.89	1,252.3		60.84
4	237	45.06	287.9		63.84
5	261	25.95	150.4		66.07
6	271	21.40	119.4		67.00
7	282	25.03	134.5		67.97
8	293	21.83	113.1		68.93
9	303	22.16	110.8		69.86
10	347	116.00	506.4		73.39
11	360	37.89	159.3		74.46
12	411	20.12	74.2		78.24
13	442	15.71	53.9		79.99
14	489	18.21	56.4		82.65
15	508	27.22	81.2		83.62
16	572	28.51	75.6		86.48
17	10,380	75.00	10.9	Upper Marker	113.00

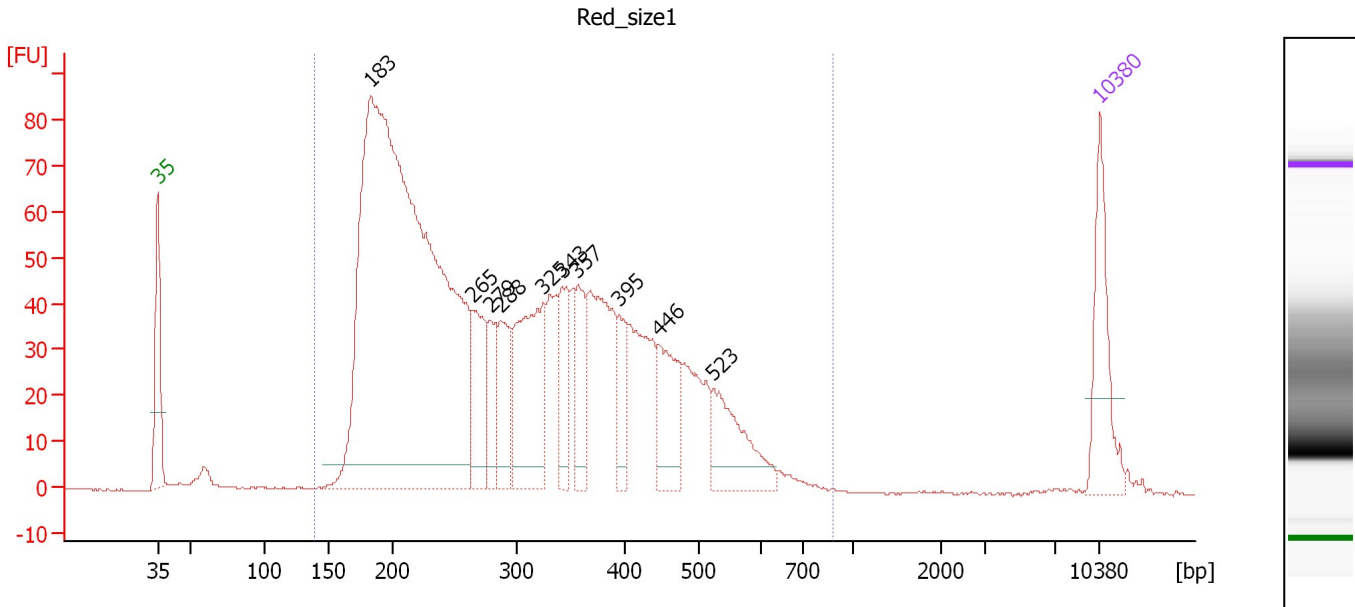
**Region table for sample 1 : Green\_size1**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
151	925	349	825.2	1,163.62	6,206.5	96	37.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19\_005.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : Red\_size1**

Number of peaks found: 10                      Corr. Area 1: 1,878.4  
 Noise: 0.1

**Peak table for sample 2 : Red\_size1**

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	183	1,582.10	13,081.0		58.86
3	265	109.72	627.8		66.38
4	279	56.79	308.2		67.70
5	288	82.65	435.3		68.48
6	325	192.33	897.1		71.61
7	343	75.13	331.8		73.07
8	357	68.67	291.4		74.19
9	395	47.50	182.1		77.27
10	446	86.34	293.1		80.25
11	523	96.69	280.0		84.30
12	10,380	75.00	10.9	Upper Marker	113.00

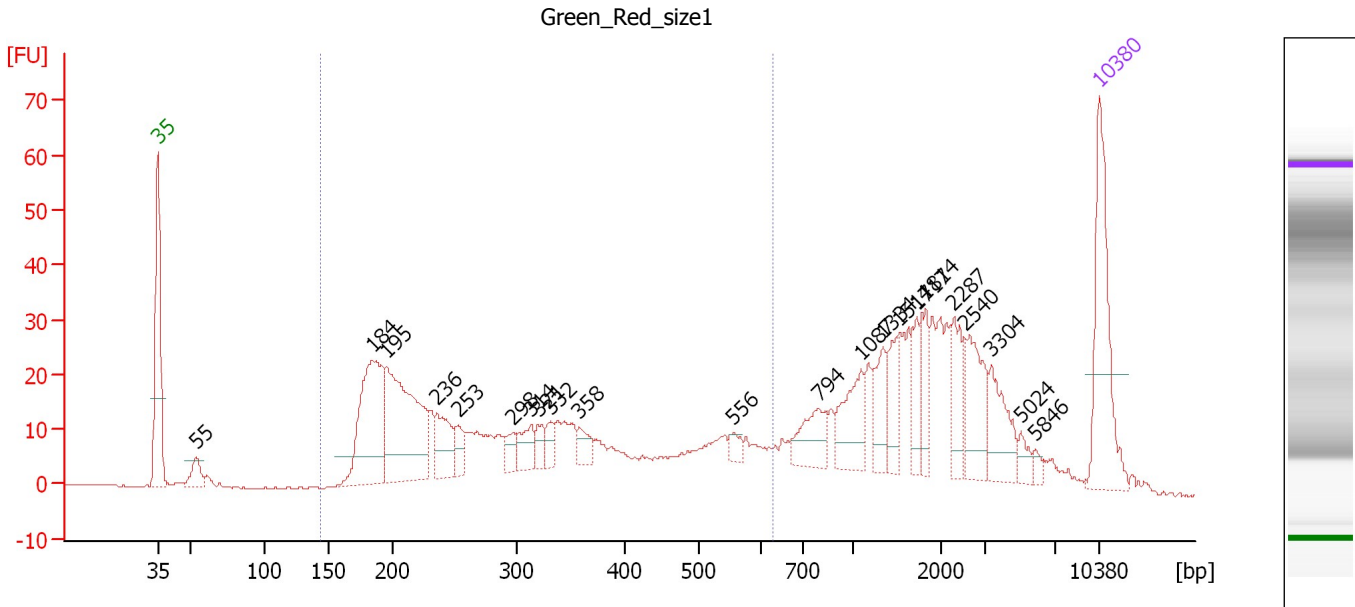
**Region table for sample 2 : Red\_size1**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
138	880	314	1,878.4	2,856.75	16,531.4	97	36.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19\_005.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : Green Red size1**

Number of peaks found: 22                      Corr. Area 1: 508.0  
 Noise: 0.1

**Peak table for sample 3 : Green Red size1**

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	55	20.94	582.0		45.88
3	184	145.22	1,193.2		58.97
4	195	168.06	1,307.2		59.95
5	236	42.44	272.2		63.76
6	253	18.83	112.7		65.32
7	298	14.54	74.0		69.43
8	314	21.65	104.4		70.75
9	321	13.07	61.7		71.28
10	332	11.63	53.1		72.16
11	358	14.63	61.9		74.26
12	556	8.13	22.1		85.79
13	794	32.98	62.9		92.09
14	1,087	41.12	57.3		95.27
15	1,334	26.46	30.0		96.88
16	1,514	25.33	25.3		98.05
17	1,717	20.21	17.8		99.37
18	1,814	22.48	18.8		100.01
19	2,287	29.05	19.2		102.16
20	2,540	43.36	25.9		102.99
21	3,304	35.62	16.3		104.89
22	5,024	8.21	2.5		107.14
23	5,846	4.74	1.2		108.21
24	10,380	75.00	10.9	Upper Marker	113.00


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19\_005.xad

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**Electropherogram Summary Continued ...**

... Region table for sample 3 :

Green Red size1

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
144	630	325	508.0	860.98	4,922.3	 53	38.9

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19\_005.xad

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Modified: 1/19/2018 2:51:31 PM

**Gel Image**

