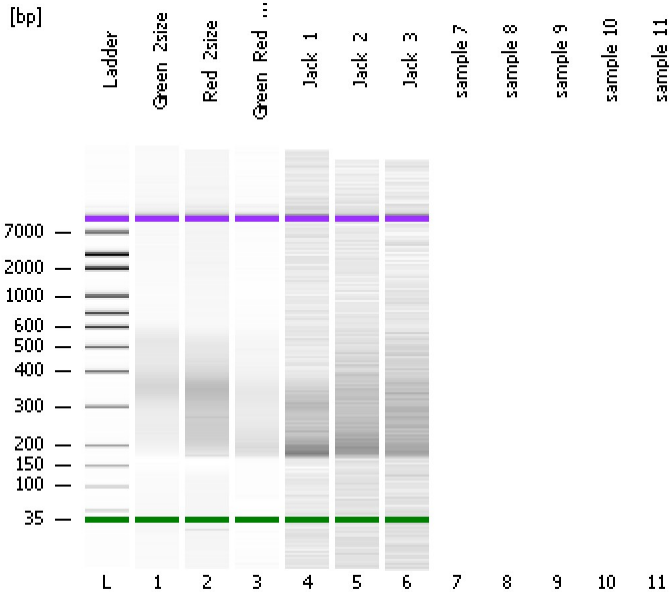


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-22\2018-01-22_003.xad

Created: 1/22/2018 2:25:34 PM
Modified: 1/22/2018 3:07:14 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

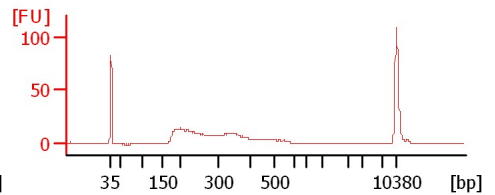
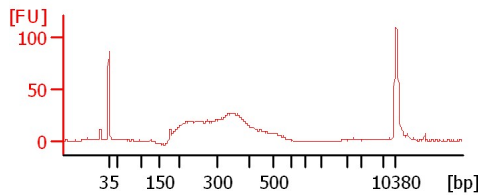
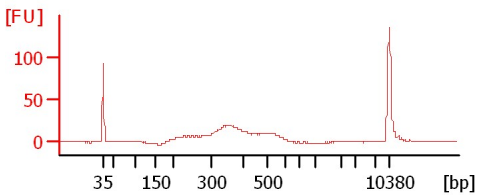
Chip Information:

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

Green_2size

Red_2size

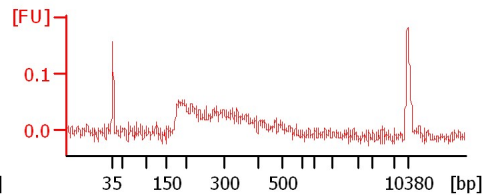
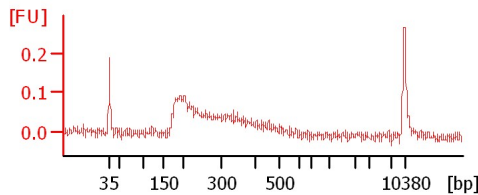
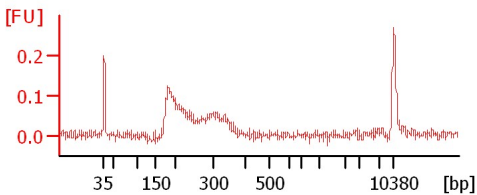
Green_Red_2size



Jack_1

Jack_2

Jack_3



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-22\2018-01-22_003.xad

Created: 1/22/2018 2:25:34 PM
Modified: 1/22/2018 3:07:14 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Green_2size		<input type="checkbox"/>	✓			
Red_2size		<input type="checkbox"/>	✓			
Green_Red_2size		<input type="checkbox"/>	✓			
Jack_1		<input type="checkbox"/>	✓			
Jack_2		<input type="checkbox"/>	✓			
Jack_3		<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"/>	✓			

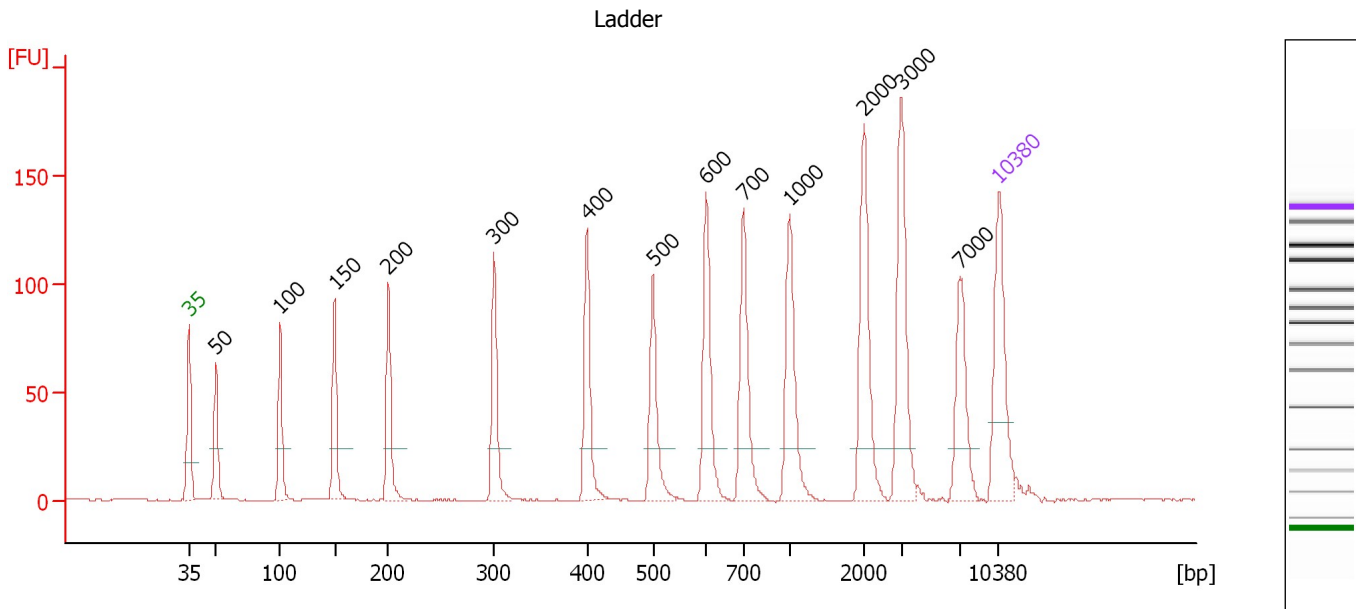
Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-22\2018-01-22_003.xad

Created: 1/22/2018 2:25:34 PM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

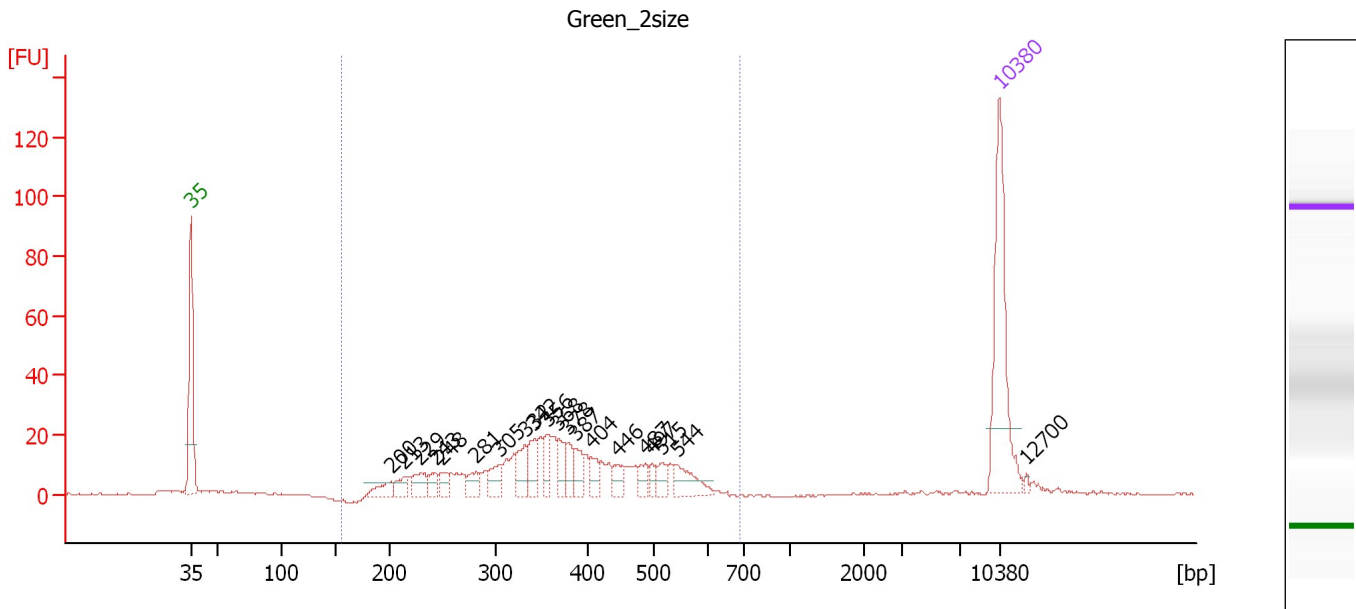
Peak table for Ladder

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	45.30
3	100	150.00	2,272.7	Ladder Peak	50.88
4	150	150.00	1,515.2	Ladder Peak	55.58
5	200	150.00	1,136.4	Ladder Peak	60.24
6	300	150.00	757.6	Ladder Peak	69.36
7	400	150.00	568.2	Ladder Peak	77.38
8	500	150.00	454.5	Ladder Peak	83.09
9	600	150.00	378.8	Ladder Peak	87.70
10	700	150.00	324.7	Ladder Peak	90.93
11	1,000	150.00	227.3	Ladder Peak	94.89
12	2,000	150.00	113.6	Ladder Peak	101.29
13	3,000	150.00	75.8	Ladder Peak	104.57
14	7,000	150.00	32.5	Ladder Peak	109.64
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-22\2018-01-22_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : Green_2size

Number of peaks found: 20 Corr. Area 1: 408.7
 Noise: 0.3

Peak table for sample 1 : Green_2size


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	200	13.66	103.3		60.27
3	213	11.28	80.3		61.42
4	229	18.25	120.9		62.85
5	243	10.77	67.2		64.15
6	248	10.95	66.8		64.66
7	281	12.52	67.4		67.66
8	305	16.17	80.4		69.73
9	332	19.63	89.7		71.91
10	342	18.19	80.6		72.74
11	356	15.82	67.3		73.84
12	368	14.06	57.9		74.81
13	378	12.74	51.1		75.60
14	387	15.20	59.5		76.34
15	404	10.68	40.0		77.63
16	446	10.42	35.4		79.99
17	487	9.23	28.7		82.34
18	497	6.31	19.2		82.89
19	515	9.20	27.1		83.77
20	544	20.96	58.4		85.11
21	10,380	75.00	10.9	Upper Marker	113.00
22	12,700	0.00	0.0		115.31

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-22\2018-01-22_003.xad

Created: 1/22/2018 2:25:34 PM
Modified: 1/22/2018 3:07:14 PM

Electropherogram Summary Continued ...

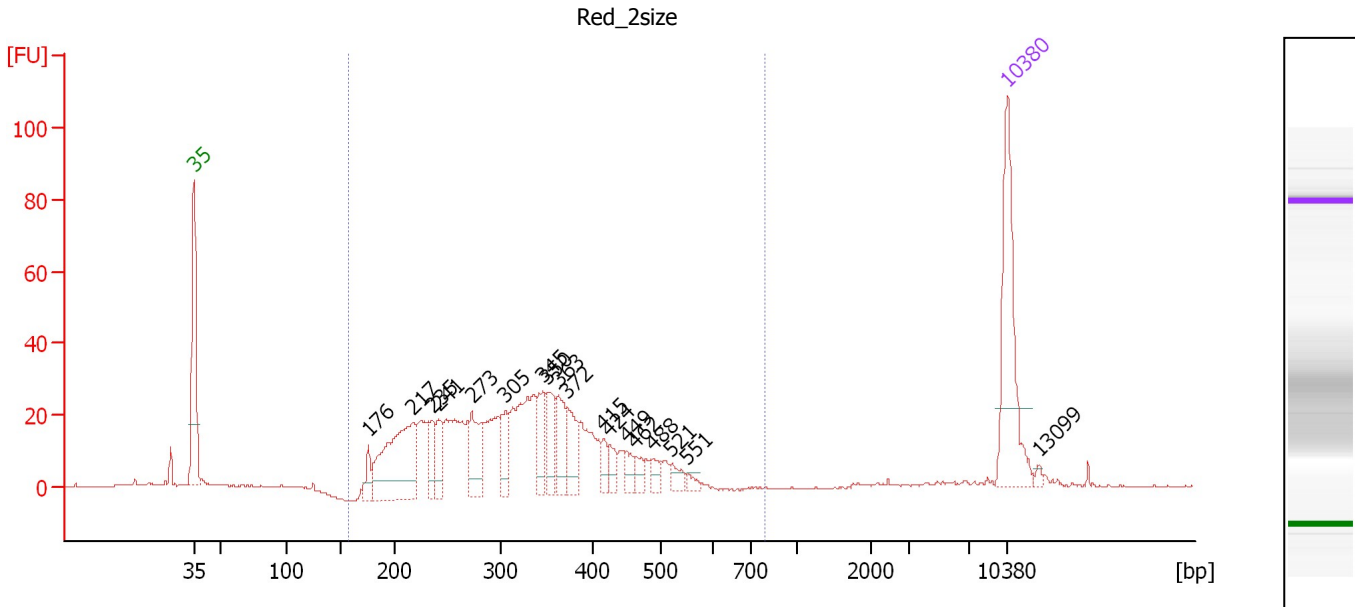
... Region table for sample 1 : Green 2size

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ μ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
155	687	374	408.7	357.54	1,616.8	 91	26.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-22\2018-01-22_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : Red_2size

Number of peaks found: 18 Corr. Area 1: 642.9
 Noise: 0.2

Peak table for sample 2 : Red_2size

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	176	15.96	137.4		58.00
3	217	124.12	865.7		61.81
4	235	24.26	156.2		63.46
5	241	25.71	161.4		64.01
6	273	46.99	260.8		66.90
7	305	26.86	133.3		69.79
8	345	30.08	131.9		73.00
9	350	31.56	136.6		73.37
10	363	31.79	132.9		74.38
11	372	27.91	113.6		75.16
12	415	11.70	42.7		78.23
13	424	12.15	43.4		78.73
14	449	10.47	35.3		80.16
15	462	9.75	32.0		80.94
16	488	8.20	25.5		82.40
17	521	9.56	27.8		84.06
18	551	5.05	13.9		85.43
19	10,380	75.00	10.9	Upper Marker	113.00
20	13,099	0.00	0.0		115.71

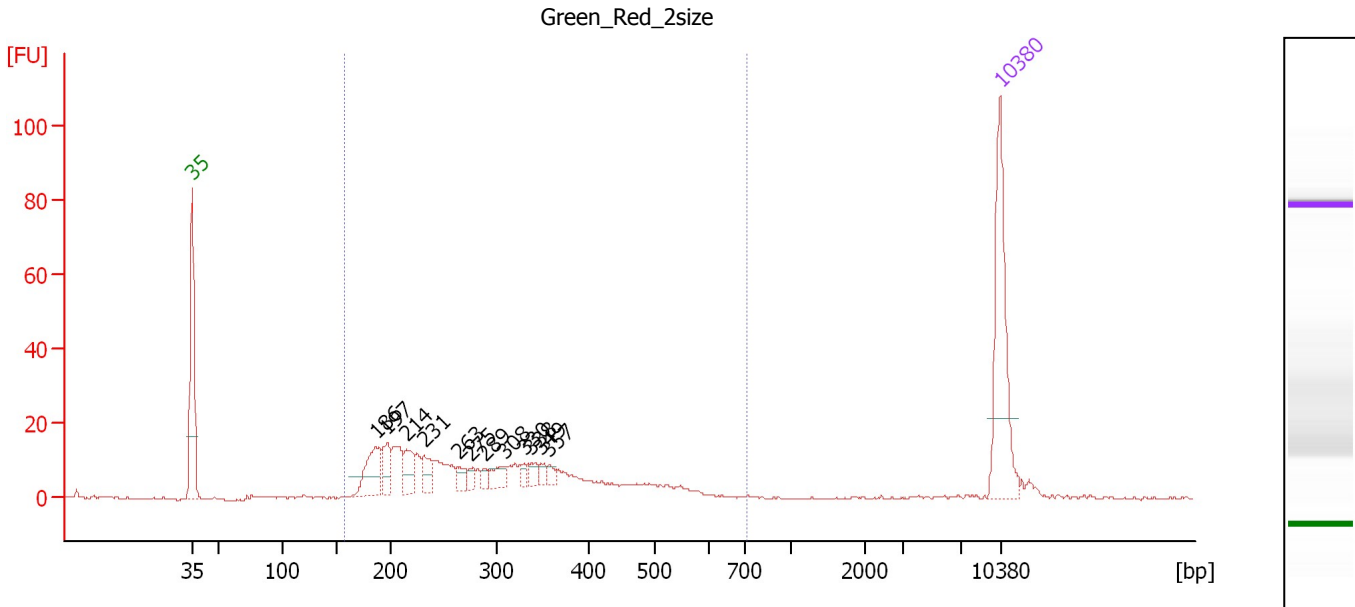
Region table for sample 2 : Red_2size

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
158	793	322	642.9	689.49	3,597.1	94	26.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-22\2018-01-22_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : Green Red 2size

Number of peaks found: 12 Corr. Area 1: 322.1
 Noise: 0.2

Peak table for sample 3 : Green Red 2size

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	186	45.43	370.9		58.89
3	197	23.95	184.6		59.91
4	214	25.24	178.5		61.53
5	231	16.99	111.5		63.05
6	263	9.06	52.2		66.01
7	275	7.86	43.3		67.07
8	289	6.19	32.4		68.37
9	308	14.42	71.0		69.98
10	330	6.38	29.3		71.74
11	338	8.09	36.3		72.39
12	349	6.16	26.8		73.26
13	357	5.46	23.2		73.91
14	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 3 : Green Red 2size

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
157	707	300	322.1	393.59	2,290.1	97	33.1

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-22\2018-01-22_003.xad

Created: 1/22/2018 2:25:34 PM
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Gel Image

