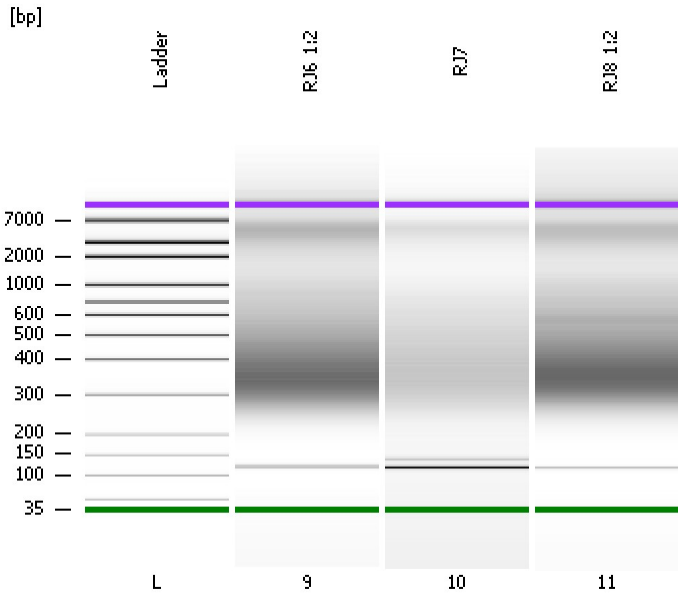


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...yzer\2100 expert\data\2014-05-03\2014-05-03\_002\_RJ6\_RJ8.xad

Created: 5/3/2014 10:16:53 AM  
Modified: 5/3/2014 11:11:02 AM

**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

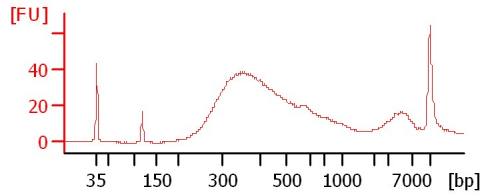
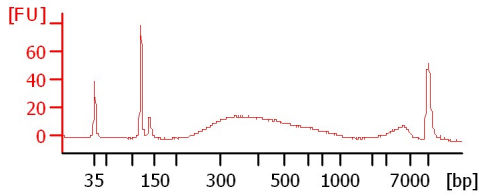
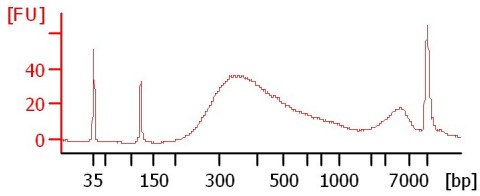
Chip Information:

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

**RJ6 1:2**

**RJ7**

**RJ8 1:2**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...yzer\2100 expert\data\2014-05-03\2014-05-03\_002\_RJ6\_RJ8.xad

Created: 5/3/2014 10:16:53 AM  
Modified: 5/3/2014 11:11:02 AM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
RJ6 1:2		<input type="checkbox"/>	✓			
RJ7		<input type="checkbox"/>	✓			
RJ8 1:2		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

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

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...yzer\2100 expert\data\2014-05-03\2014-05-03\_002\_RJ6\_RJ8.xad

Created: 5/3/2014 10:16:53 AM  
Modified: 5/3/2014 11:11:02 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/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

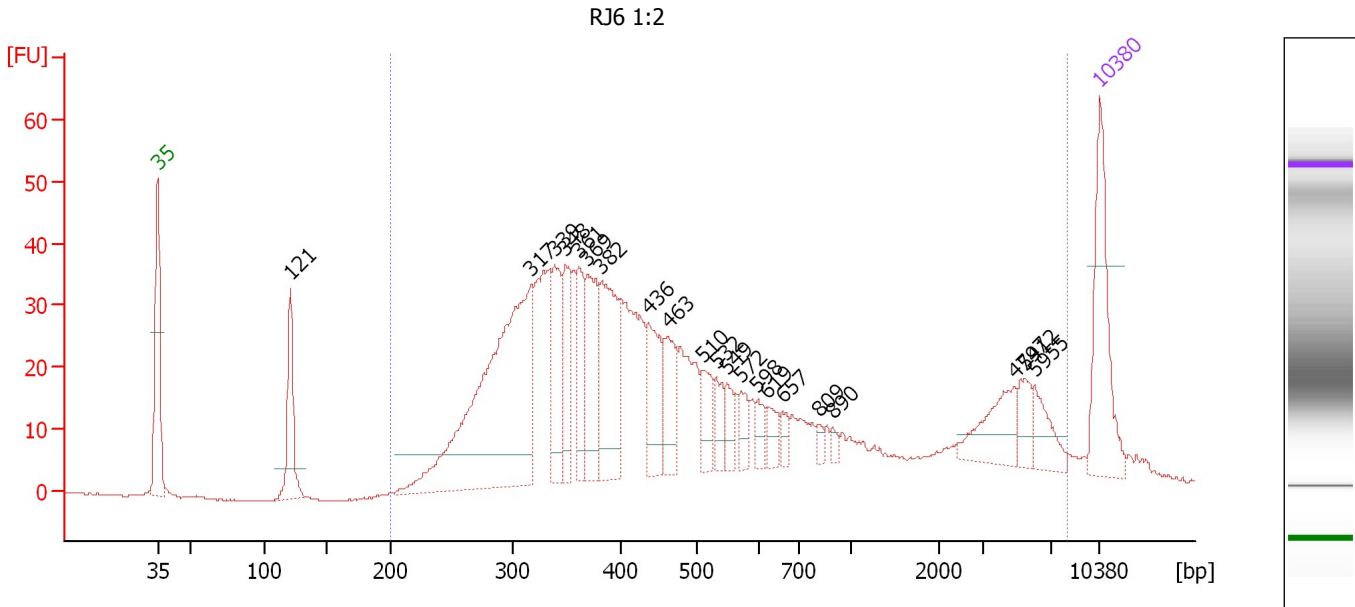
**Ladder**

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:\...yzer\2100 expert\data\2014-05-03\2014-05-03\_002\_RJ6\_RJ8.xad

Created: 5/3/2014 10:16:53 AM  
 Modified: 5/3/2014 11:11:02 AM

**Electropherogram Summary**



**Overall Results for sample 9 : RJ6 1:2**

Number of peaks found: 21                      Corr. Area 1: 1,070.7  
 Noise: 0.1

**Peak table for sample 9 : RJ6 1:2**


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	121	77.36	967.4	
3	317	375.25	1,794.0	
4	339	68.64	307.2	
5	348	51.40	223.6	
6	361	52.61	220.9	
7	369	74.82	307.4	
8	382	112.83	447.6	
9	436	59.88	207.9	
10	463	48.34	158.0	
11	510	29.81	88.5	
12	532	21.94	62.6	
13	549	18.59	51.3	
14	572	18.36	48.6	
15	598	14.39	36.5	
16	619	15.96	39.1	
17	657	10.35	23.9	
18	809	6.20	11.6	
19	890	5.27	9.0	
20	4,797	42.06	13.3	
21	5,412	18.89	5.3	
22	5,955	24.44	6.2	
23	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...yzer\2100 expert\data\2014-05-03\2014-05-03\_002\_RJ6\_RJ8.xad

Created: 5/3/2014 10:16:53 AM  
Modified: 5/3/2014 11:11:02 AM

**Electropherogram Summary Continued ...**

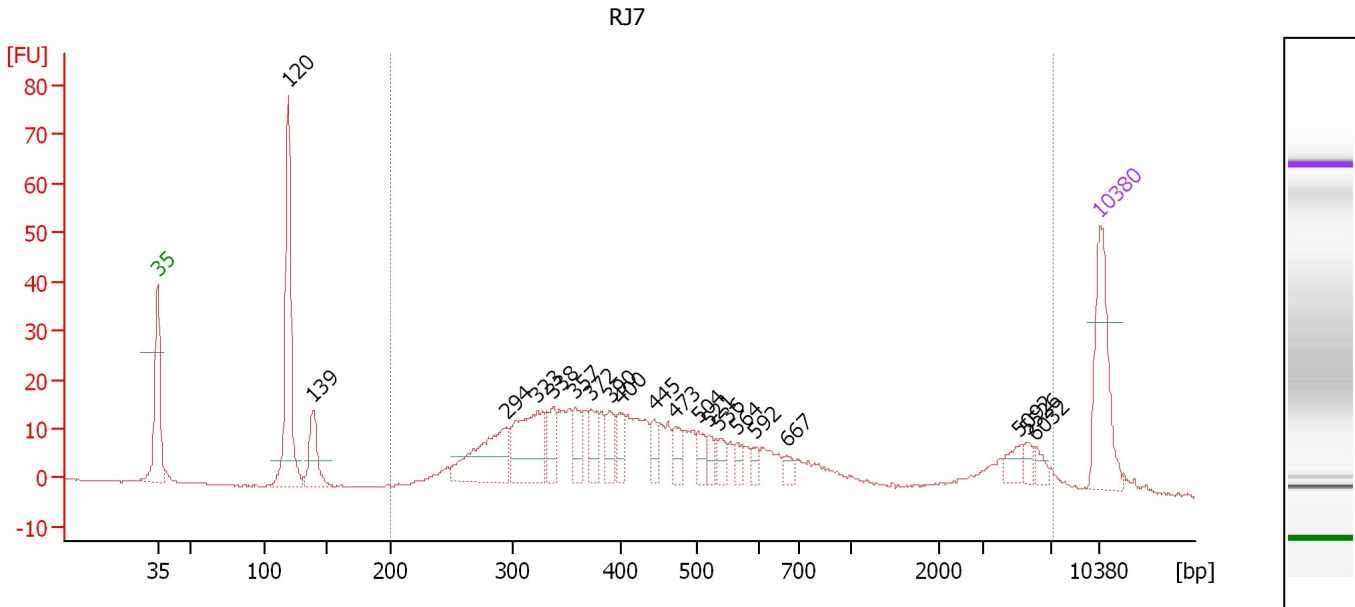
... Region table for sample 9 : RJ6 1:2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	8,074	1,086	6,543.7	1,815.10	1,070.7	94	100.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...yzer\2100 expert\data\2014-05-03\2014-05-03\_002\_RJ6\_RJ8.xad

Created: 5/3/2014 10:16:53 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : RJ7**

Number of peaks found: 20                      Corr. Area 1: 494.6  
 Noise: 0.2

**Peak table for sample 10 : RJ7**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	120	204.89	2,596.2	
3	139	54.13	590.1	
4	294	99.39	511.4	
5	323	100.48	471.7	
6	338	34.55	155.1	
7	357	29.73	126.2	
8	372	26.58	108.2	
9	390	26.45	102.8	
10	400	22.46	85.2	
11	445	18.11	61.7	
12	473	21.91	70.2	
13	504	18.22	54.8	
14	521	12.68	36.9	
15	536	15.35	43.4	
16	564	10.87	29.2	
17	592	8.88	22.8	
18	667	9.80	22.2	
19	5,092	12.73	3.8	
20	5,526	7.94	2.2	
21	6,032	8.56	2.2	
22	10,380	75.00	10.9	Upper Marker

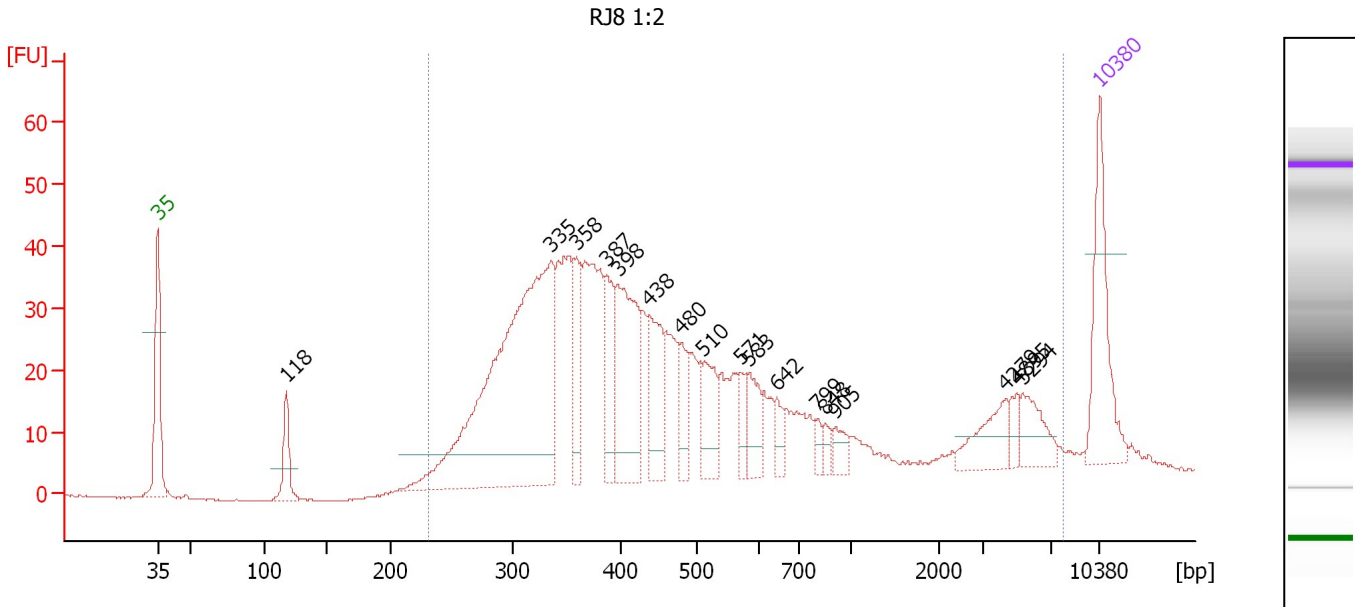
**Region table for sample 10 : RJ7**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	7,109	1,033	3,395.8	943.48	494.6	82	100.0	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...yzer\2100 expert\data\2014-05-03\2014-05-03\_002\_RJ6\_RJ8.xad

Created: 5/3/2014 10:16:53 AM  
 Modified: 5/3/2014 11:11:02 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : RJ8 1:2**

Number of peaks found: 17      Corr. Area 1: 993.6  
 Noise: 0.1

**Peak table for sample 11 : RJ8 1:2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	118	42.62	547.4	
3	335	499.66	2,257.7	
4	358	55.17	233.4	
5	387	57.61	225.7	
6	398	132.78	506.0	
7	438	71.81	248.1	
8	480	32.44	102.3	
9	510	47.81	142.1	
10	571	19.65	52.1	
11	583	31.14	80.9	
12	642	15.14	35.7	
13	799	9.17	17.4	
14	848	9.32	16.6	
15	905	14.92	25.0	
16	4,279	34.89	12.4	
17	4,895	10.67	3.3	
18	5,294	30.13	8.6	
19	10,380	75.00	10.9	Upper Marker

**Region table for sample 11 : RJ8 1:2**

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
231	7,792	941	6,537.3	1,796.77	993.6	96	100.0	Blue

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...yzer\2100 expert\data\2014-05-03\2014-05-03\_002\_RJ6\_RJ8.xad

Created: 5/3/2014 10:16:53 AM  
Modified: 5/3/2014 11:11:02 AM

**Gel Image**

