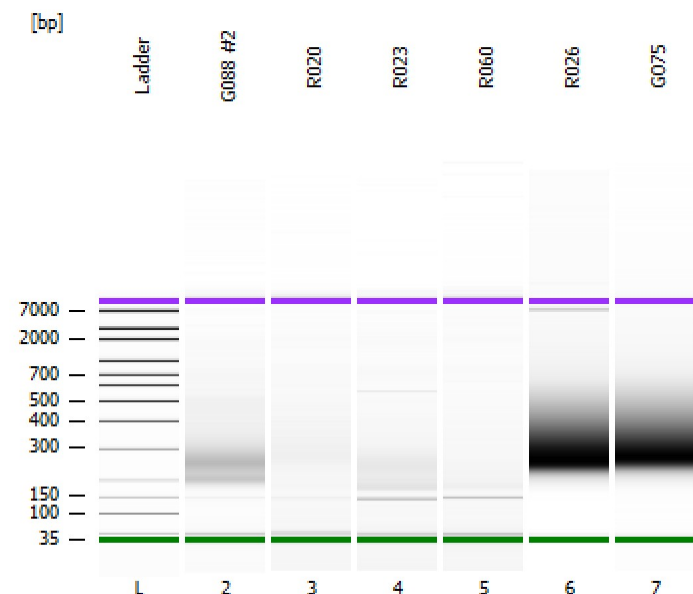


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...oanalyzer\2100 expert\data\2016-05-24\C. Nelson Bioa #3.xad

Created: 5/24/2016 1:11:51 PM  
Modified: 5/24/2016 2:18:52 PM

### Electrophoresis File Run Summary



#### Instrument Information:

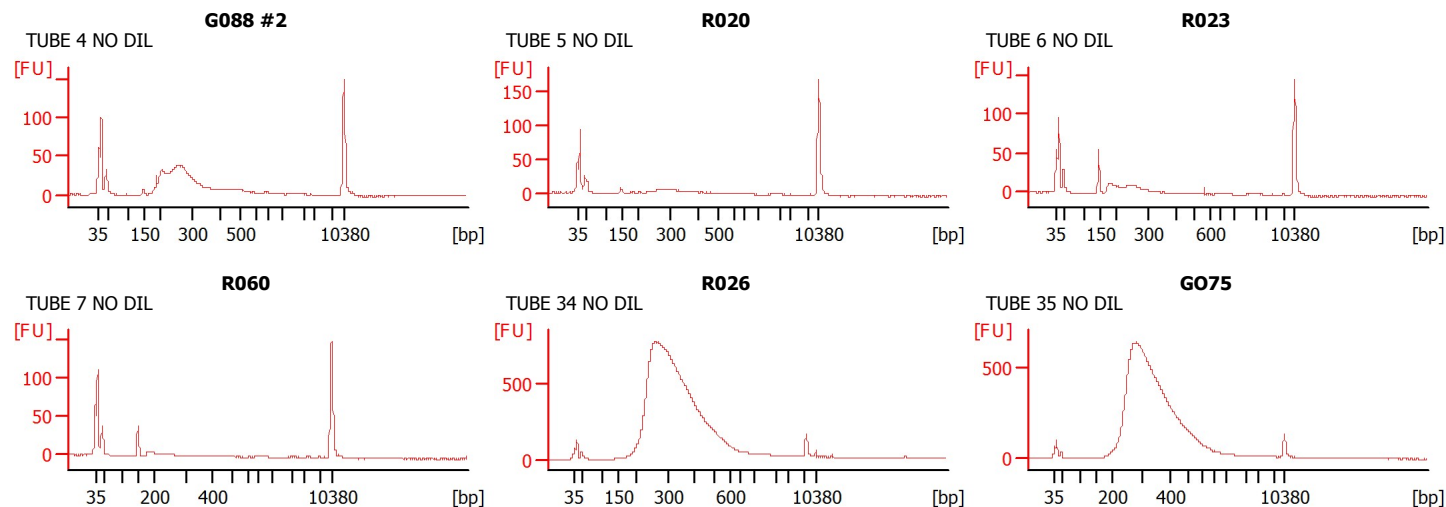
Instrument Name: DE13804163 Firmware: C.01.069  
Serial#: DE13804163 Type: G2939A

#### 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:



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...oanalyzer\2100 expert\data\2016-05-24\C. Nelson Bioa #3.xad

Created: 5/24/2016 1:11:51 PM  
Modified: 5/24/2016 2:18:52 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
G088 #2	TUBE 4 NO DIL	<input type="checkbox"/>	✓			
R020	TUBE 5 NO DIL	<input type="checkbox"/>	✓			
R023	TUBE 6 NO DIL	<input type="checkbox"/>	✓			
R060	TUBE 7 NO DIL	<input type="checkbox"/>	✓			
R026	TUBE 34 NO DIL	<input type="checkbox"/>	✓			
GO75	TUBE 35 NO DIL	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

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

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...oanalyzer\2100 expert\data\2016-05-24\C. Nelson Bioa #3.xad

Created: 5/24/2016 1:11:51 PM  
Modified: 5/24/2016 2:18:52 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

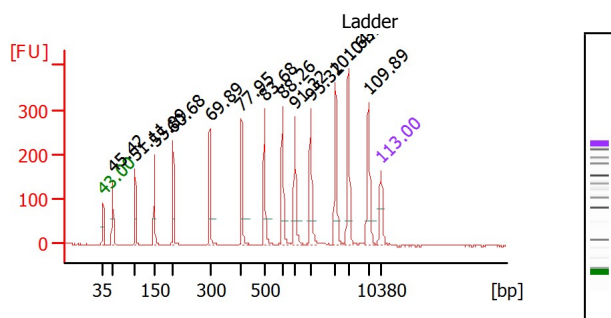
### Ladder

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:\...oanalyzer\2100 expert\data\2016-05-24\C. Nelson Bioa #3.xad

Created: 5/24/2016 1:11:51 PM  
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### Electropherogram Summary



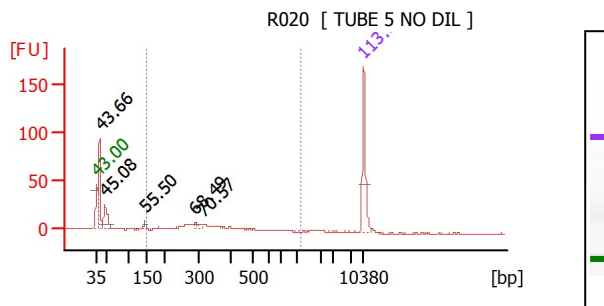
Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...oanalyzer\2100 expert\data\2016-05-24\C. Nelson Bioa #3.xad

Created: 5/24/2016 1:11:51 PM  
 Modified: 5/24/2016 2:18:52 PM

### Electropherogram Summary Continued ...

#### Peak table for sample 2 : G088 #2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	39	150.22	5,834.6	
3	48	77.81	2,471.8	
4	147	10.11	104.2	
5	182	12.76	106.2	
6	187	21.26	172.2	
7	206	138.75	1,018.1	
8	252	151.31	911.3	
9	259	233.80	1,369.8	
10	330	18.39	84.3	
11	357	10.40	44.1	
12	416	5.23	19.1	
13	441	5.89	20.2	
14	465	5.01	16.3	
15	524	4.56	13.2	
16	10,380	75.00	10.9	Upper Marker



#### Overall Results for sample 3 : R020

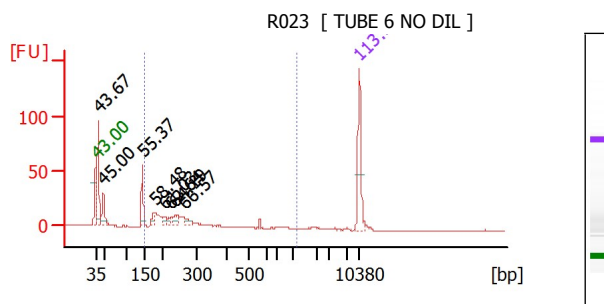
Number of peaks found: 5  
 Noise: 0.4  
 Corr. Area 1: 131.2

#### Region table for sample 3 : R020

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
150	1,200	131.2	39	342	36.6	106.89	546.0	Blue

#### Peak table for sample 3 : R020

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	39	122.83	4,762.7	
3	48	72.25	2,285.1	
4	146	8.03	83.5	
5	285	5.00	26.6	
6	308	5.62	27.6	
7	10,380	75.00	10.9	Upper Marker



#### Overall Results for sample 4 : R023

Number of peaks found: 8  
 Noise: 0.3  
 Corr. Area 1: 195.3

#### Region table for sample 4 : R023

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
150	1,200	195.3	46	262	41.9	199.20	1,308.8	Blue

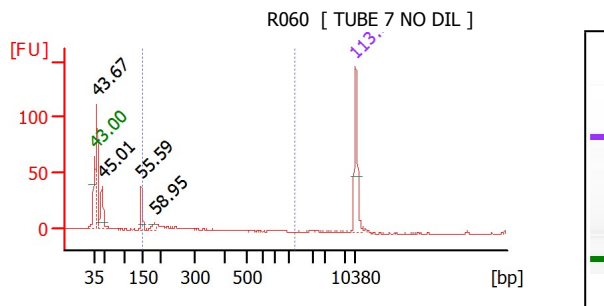
Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...oanalyzer\2100 expert\data\2016-05-24\C. Nelson Bioa #3.xad

Created: 5/24/2016 1:11:51 PM  
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### Electropherogram Summary Continued ...

#### Peak table for sample 4 : R023

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	39	143.50	5,557.2	
3	47	67.34	2,154.0	
4	145	61.79	647.8	
5	177	20.73	177.5	
6	204	13.81	102.7	
7	221	10.23	70.1	
8	238	19.88	126.6	
9	264	17.16	98.5	
10	10,380	75.00	10.9	Upper Marker



#### Overall Results for sample 5 : R060

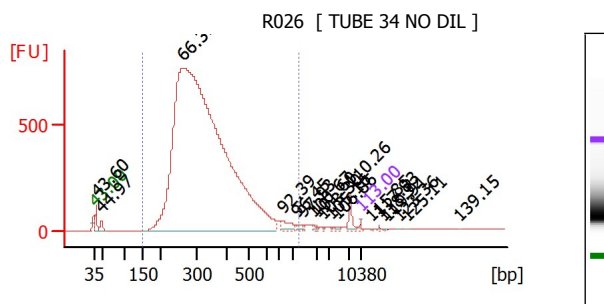
Number of peaks found: 4  
 Noise: 0.4  
 Corr. Area 1: 50.8

#### Region table for sample 5 : R060

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
150	1,200	50.8	17	228	47.9	50.25	378.1	Blue

#### Peak table for sample 5 : R060

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	39	159.08	6,155.0	
3	47	78.51	2,505.2	
4	147	43.76	451.6	
5	182	15.21	126.7	
6	10,380	75.00	10.9	Upper Marker



#### Overall Results for sample 6 : R026

Number of peaks found: 19  
 Noise: 0.4  
 Corr. Area 1: 16,268.6

#### Region table for sample 6 : R026

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
150	1,200	16,268.96	96	343	33.5	97,492.58	480,245.2	Blue

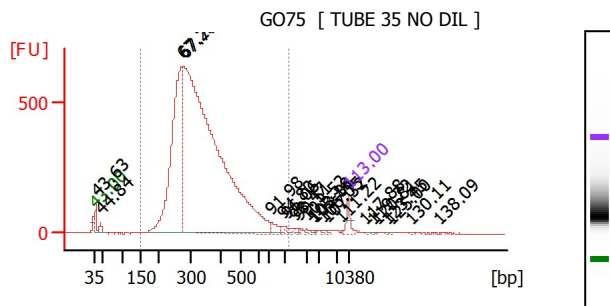
Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...oanalyzer\2100 expert\data\2016-05-24\C. Nelson Bioa #3.xad

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 Modified: 5/24/2016 2:18:52 PM

### Electropherogram Summary Continued ...

#### Peak table for sample 6 : R026

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	39	1,199.93	46,935.1	
3	47	858.90	27,555.7	
4	261	111,034.09	644,728.8	
5	781	655.74	1,273.0	
6	1,179	218.23	280.5	
7	1,413	77.84	83.4	
8	1,847	61.59	50.5	
9	1,995	73.52	55.8	
10	2,528	51.82	31.1	
11	3,291	46.15	21.2	
12	4,623	72.90	23.9	
13	7,397	618.76	126.7	
14	10,380	75.00	10.9	Upper Marker
15	13,483	0.00	0.0	
16	15,750	0.00	0.0	
17	16,824	0.00	0.0	
18	17,898	0.00	0.0	
19	21,657	0.00	0.0	
20	23,566	0.00	0.0	
21	38,841	0.00	0.0	



#### Overall Results for sample 7 : GO75

Number of peaks found: 22  
 Noise: 0.7  
 Corr. Area 1: 12,463.7

#### Region table for sample 7 : GO75

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
150	1,200	12,463.96	7	351	33.2	10,477.9	50,260.8	Blue

#### Peak table for sample 7 : GO75

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	39	148.15	5,768.3	
3	46	77.41	2,528.6	
4	271	2,751.86	15,379.8	
5	277	8,886.77	48,659.9	
6	750	71.72	144.9	
7	961	19.53	30.8	
8	1,118	25.59	34.7	
9	1,500	11.53	11.6	
10	1,663	9.03	8.2	
11	1,982	9.82	7.5	
12	2,490	6.07	3.7	
13	2,691	5.65	3.2	
14	3,989	5.70	2.2	
15	4,979	7.07	2.2	
16	8,442	5.40	1.0	
17	10,380	75.00	10.9	Upper Marker
18	15,693	0.00	0.0	
19	17,693	0.00	0.0	
20	18,881	0.00	0.0	
21	21,756	0.00	0.0	
22	23,444	0.00	0.0	
23	29,006	0.00	0.0	
24	37,695	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...oanalyzer\2100 expert\data\2016-05-24\C. Nelson Bioa #3.xad

Created: 5/24/2016 1:11:51 PM  
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**Gel Image**