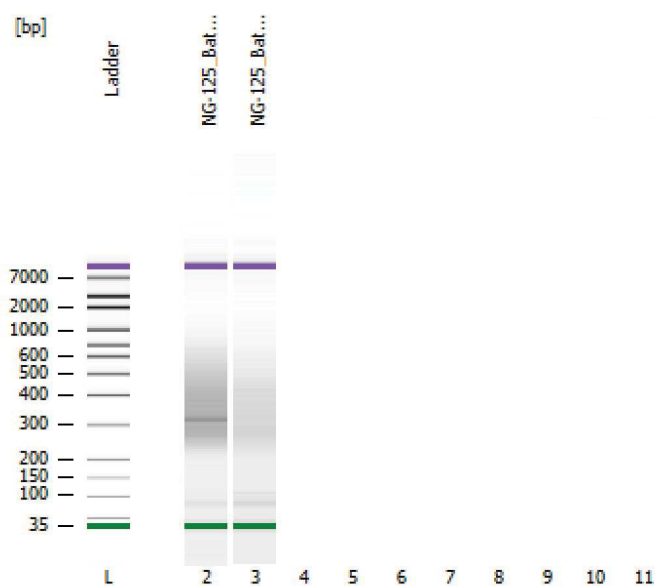


Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE34903142\_2015-11-17\_11-55-35.xad

Created: 11/17/2015 11:55:35 AM  
 Modified: 11/17/2015 12:14:05 PM

**Electrophoresis File Run Summary**



Instrument Information:

Instrument Name: Firmware: C.01.069  
 Serial#: DE34903142 Type: G2938C

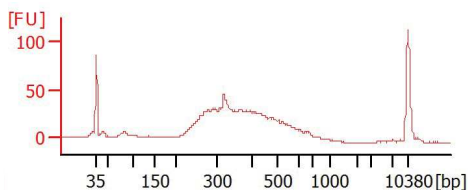
Assay Information:

Assay Origin Path: C:\Program Files (x86)\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

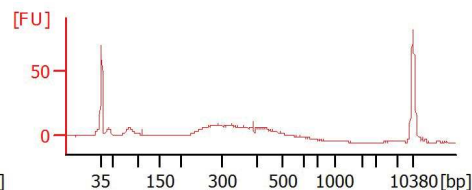
Chip Information:

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

**NG-125\_Batch1**



**NG-125\_Batch2**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE34903142\_2015-11-17\_11-55-35.xad

Created: 11/17/2015 11:55:35 AM  
 Modified: 11/17/2015 12:14:05 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
NG-125_Batch1		<input type="checkbox"/>	<input checked="" type="checkbox"/>			
NG-125_Batch2		<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Ladder		<input type="checkbox"/>	<input checked="" type="checkbox"/>			
<b>Chip Lot #</b>				<b>Reagent Kit Lot #</b>		

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE34903142\_2015-11-17\_11-55-35.xad

Created: 11/17/2015 11:55:35 AM  
 Modified: 11/17/2015 12:14:05 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**

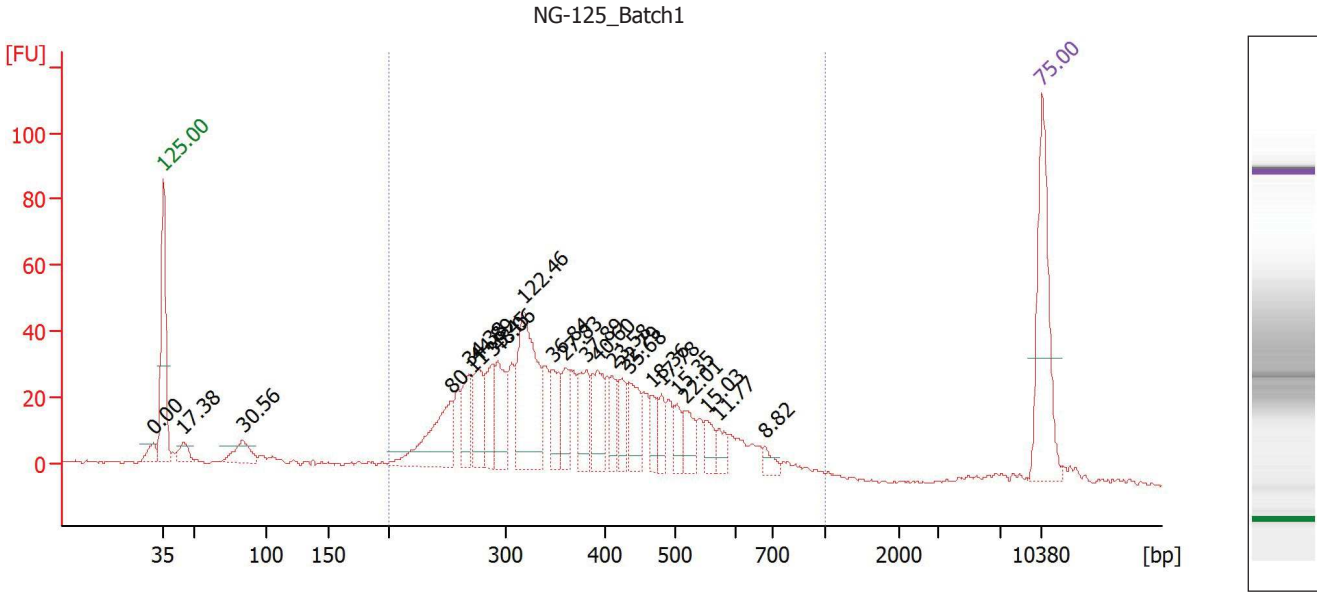
Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE34903142\_2015-11-17\_11-55-35.xad

Created: 11/17/2015 11:55:35 AM  
 Modified: 11/17/2015 12:14:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : NG-125 Batch1**

Number of peaks found: 23                      Corr. Area 1: 900.5  
 Noise: 0.4

**Peak table for sample 2 : NG-125 Batch1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	32	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	45	17.38	591.2	
4	84	30.56	552.2	
5	254	80.11	478.4	
6	270	34.38	193.1	
7	276	44.89	246.1	
8	289	35.45	185.8	
9	294	48.06	247.6	
10	318	122.46	582.8	
11	348	36.84	160.6	
12	360	27.83	117.2	
13	381	37.89	150.6	
14	392	40.60	156.8	
15	410	23.58	87.1	
16	424	22.79	81.5	
17	434	35.68	124.6	
18	466	18.36	59.7	
19	481	17.78	56.0	
20	503	15.35	46.2	
21	517	22.01	64.5	
22	551	15.03	41.3	
23	573	11.77	31.1	
24	678	8.82	19.7	
25	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE34903142\_2015-11-17\_11-55-35.xad

Created: 11/17/2015 11:55:35 AM  
 Modified: 11/17/2015 12:14:05 PM

**Electropherogram Summary Continued ...**

... Region table for sample 2 :

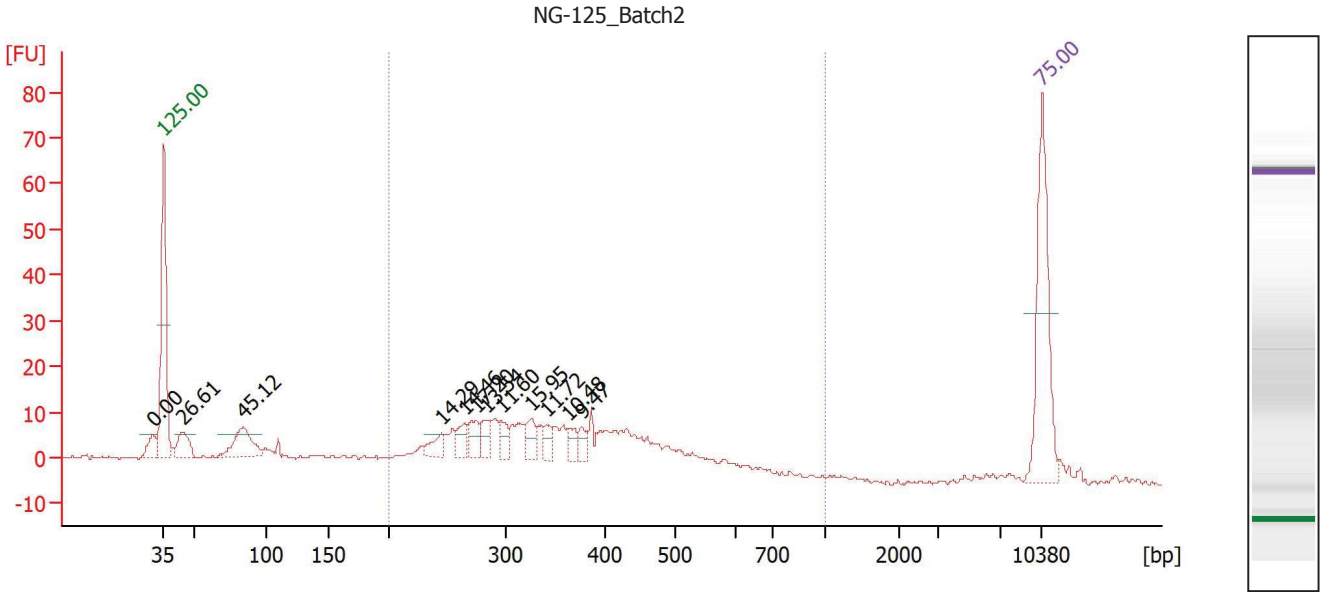
NG-125 Batch1

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	900.5	89	389	30.5	941.11	4,103.3	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE34903142\_2015-11-17\_11-55-35.xad

Created: 11/17/2015 11:55:35 AM  
 Modified: 11/17/2015 12:14:05 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : NG-125 Batch2**

Number of peaks found: 12                      Corr. Area 1: 244.4  
 Noise: 0.4

**Peak table for sample 3 : NG-125 Batch2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	32	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	44	26.61	909.9	
4	84	45.12	814.2	
5	246	14.29	88.2	
6	265	14.46	82.6	
7	275	17.20	94.6	
8	284	13.54	72.3	
9	297	11.60	59.3	
10	327	15.95	74.0	
11	342	11.72	52.0	
12	364	10.48	43.6	
13	376	9.47	38.1	
14	10,380	75.00	10.9	Upper Marker

**Region table for sample 3 : NG-125 Batch2**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	244.4	72	357	25.7	361.83	1,677.6	Blue