

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-01-19\2018-01-19\_004.xad

Created: 1/19/2018 12:58:53 PM  
Modified: 1/19/2018 1:23:53 PM

**Electrophoresis File Run Summary**

Instrument Information:

Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

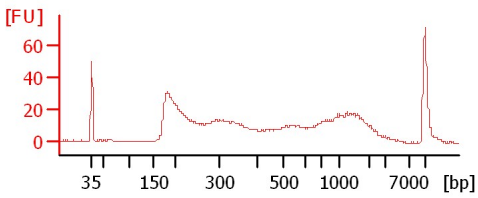
Assay Information:

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

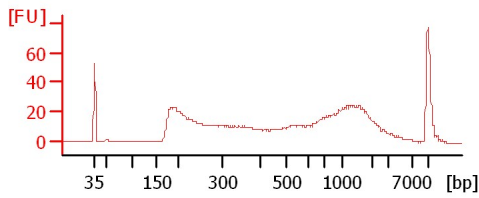
Chip Information:

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

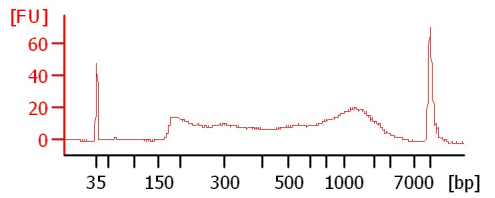
**ATAC\_1**



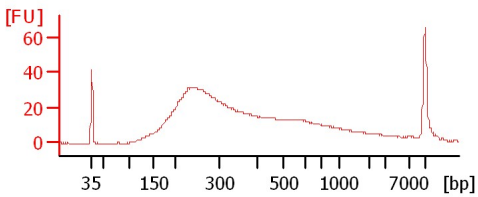
**ATAC\_2**



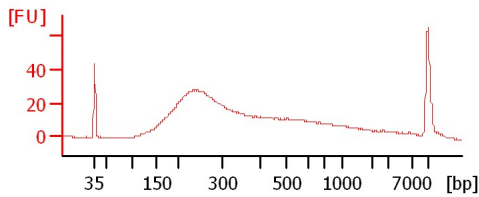
**ATAC\_3**



**H1269P\_SanzA**



**H1269P\_SanzB**



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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
ATAC_1		<input type="checkbox"/>	✓			
ATAC_2		<input type="checkbox"/>	✓			
ATAC_3		<input type="checkbox"/>	✓			
H1269P_SanzA		<input type="checkbox"/>	✓			
H1269P_SanzB		<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"/>	✓			

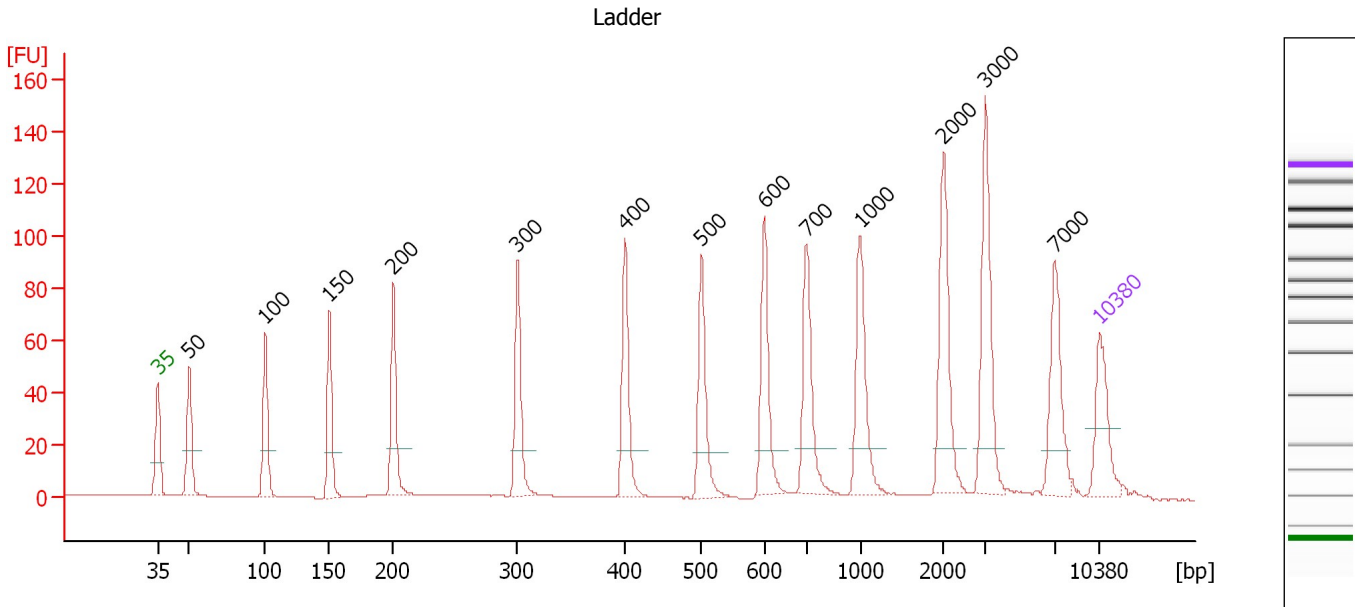
**Chip Lot #** **Reagent Kit Lot #**

**Chip Comments :**

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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

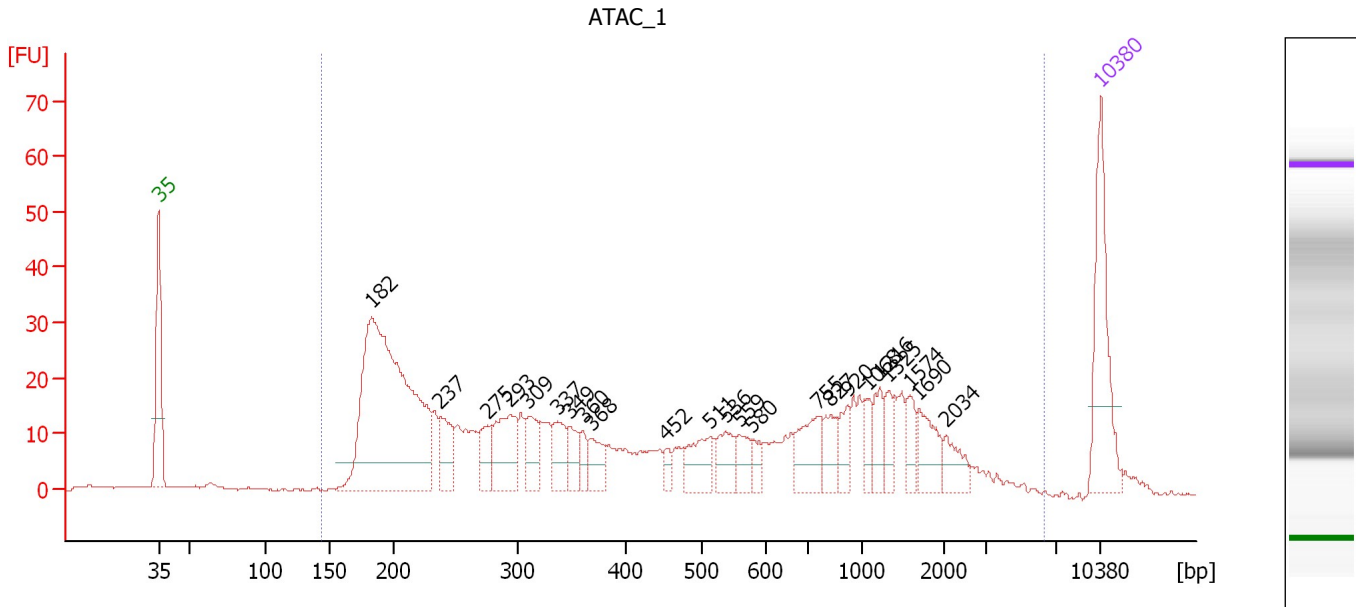
**Peak table for Ladder**

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	45.34
3	100	150.00	2,272.7	Ladder Peak	50.98
4	150	150.00	1,515.2	Ladder Peak	55.77
5	200	150.00	1,136.4	Ladder Peak	60.50
6	300	150.00	757.6	Ladder Peak	69.73
7	400	150.00	568.2	Ladder Peak	77.71
8	500	150.00	454.5	Ladder Peak	83.40
9	600	150.00	378.8	Ladder Peak	88.04
10	700	150.00	324.7	Ladder Peak	91.20
11	1,000	150.00	227.3	Ladder Peak	95.21
12	2,000	150.00	113.6	Ladder Peak	101.38
13	3,000	150.00	75.8	Ladder Peak	104.49
14	7,000	150.00	32.5	Ladder Peak	109.65
15	10,380	75.00	10.9	Upper Marker	113.00

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : ATAC\_1**

Number of peaks found: 23                      Corr. Area 1: 820.7  
 Noise: 0.2

**Peak table for sample 1 : ATAC\_1**

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	182	458.17	3,806.1		58.83
3	237	42.96	274.6		63.92
4	275	29.59	163.0		67.42
5	293	64.19	331.7		69.10
6	309	36.05	176.8		70.44
7	337	33.95	152.5		72.70
8	349	24.12	104.8		73.61
9	360	14.71	61.9		74.52
10	368	25.42	104.7		75.15
11	452	9.59	32.2		80.66
12	511	37.15	110.1		83.93
13	536	27.42	77.5		85.08
14	559	20.48	55.5		86.13
15	580	12.09	31.6		87.09
16	755	42.18	84.6		91.94
17	827	23.68	43.4		92.90
18	920	18.96	31.2		94.14
19	1,068	14.73	20.9		95.63
20	1,216	20.82	25.9		96.54
21	1,325	16.05	18.4		97.22
22	1,574	17.37	16.7		98.75
23	1,690	29.37	26.3		99.47
24	2,034	18.79	14.0		101.49
25	10,380	75.00	10.9	Upper Marker	113.00


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**Electropherogram Summary Continued ...**

... Region table for sample 1 :

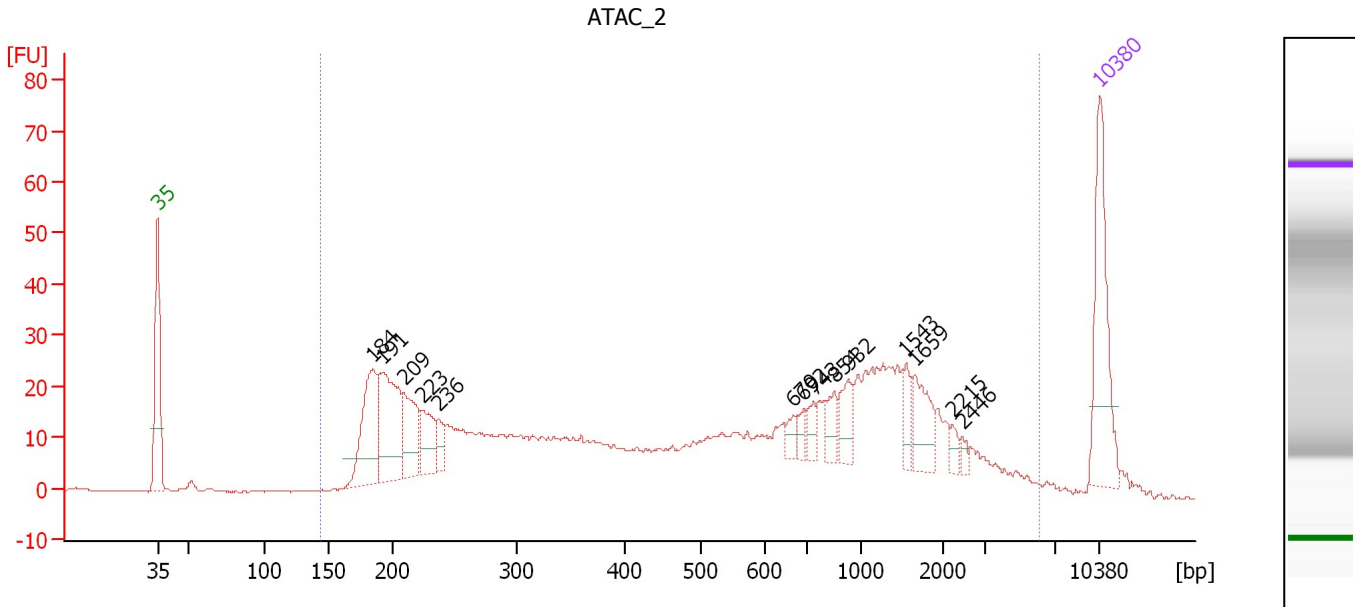
**ATAC 1**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
142	6,275	713	820.7	1,380.61	6,643.6	 97	100.0

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : ATAC\_2**

Number of peaks found: 14                      Corr. Area 1: 864.5  
 Noise: 0.1

**Peak table for sample 2 : ATAC\_2**

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	184	97.92	807.1		58.97
3	191	113.14	895.6		59.69
4	209	57.47	417.0		61.31
5	223	37.94	257.4		62.65
6	236	17.45	111.9		63.85
7	670	10.09	22.8		90.24
8	692	9.22	20.2		90.96
9	743	11.22	22.9		91.77
10	854	15.91	28.2		93.25
11	932	22.91	37.2		94.30
12	1,543	15.53	15.3		98.56
13	1,659	31.66	28.9		99.28
14	2,215	6.25	4.3		102.05
15	2,446	4.43	2.7		102.77
16	10,380	75.00	10.9	Upper Marker	113.00

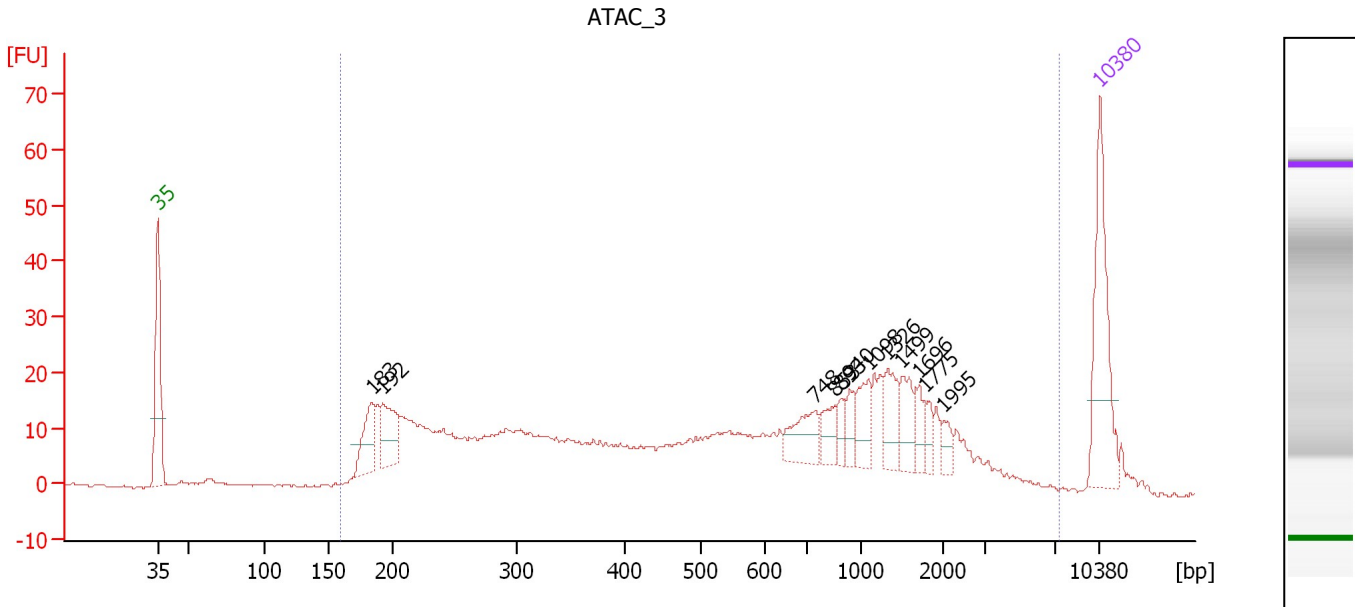
**Region table for sample 2 : ATAC\_2**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
143	6,139	850	864.5	1,310.74	5,665.4	99	98.9

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : ATAC 3**

Number of peaks found: 12                      Corr. Area 1: 680.9  
 Noise: 0.2

**Peak table for sample 3 : ATAC 3**

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	44.33	366.4		58.92
3	192	52.05	411.7		59.70
4	748	34.62	70.1		91.83
5	853	18.53	32.9		93.24
6	893	12.33	20.9		93.78
7	940	12.70	20.5		94.41
8	1,098	25.01	34.5		95.82
9	1,326	25.31	28.9		97.22
10	1,499	25.26	25.5		98.29
11	1,696	12.75	11.4		99.50
12	1,775	10.64	9.1		99.99
13	1,995	9.16	7.0		101.35
14	10,380	75.00	10.9	Upper Marker	113.00

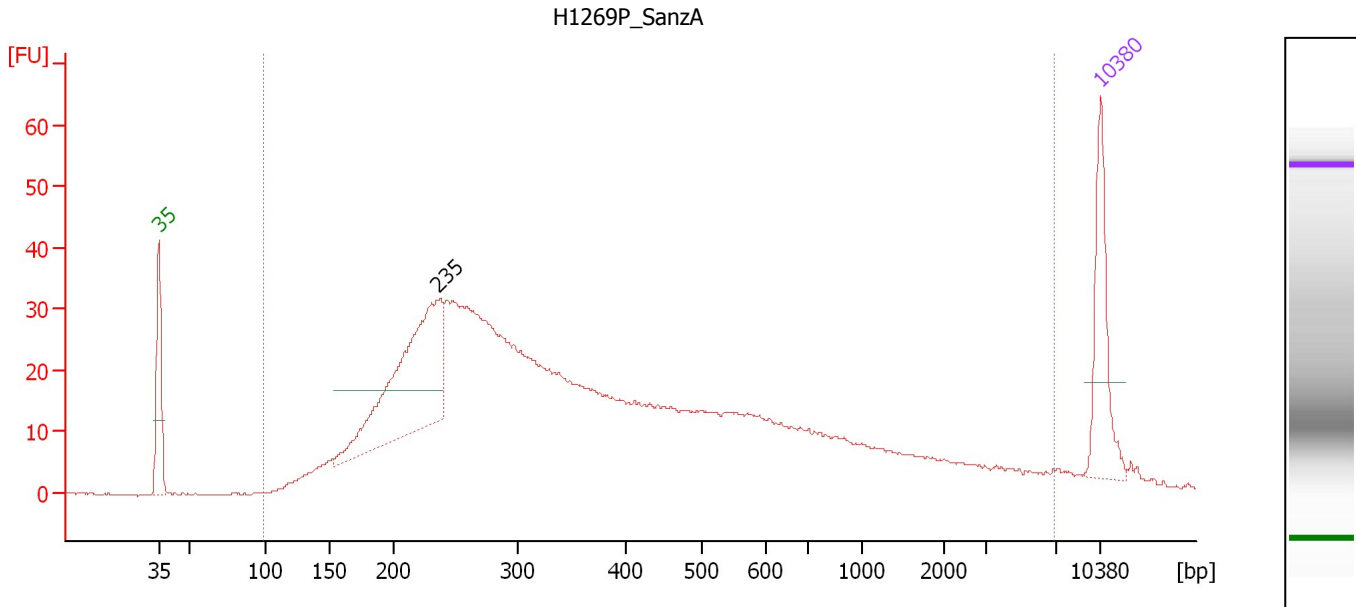
**Region table for sample 3 : ATAC 3**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
159	7,279	857	680.9	1,137.96	4,678.1	98	97.6

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : H1269P\_Sanza**

Number of peaks found: 1                      Corr. Area 1: 1,066.7  
 Noise: 0.2

**Peak table for sample 4 : H1269P\_Sanza**

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	235	307.21	1,979.7		63.74
3	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 4 : H1269P\_Sanza**

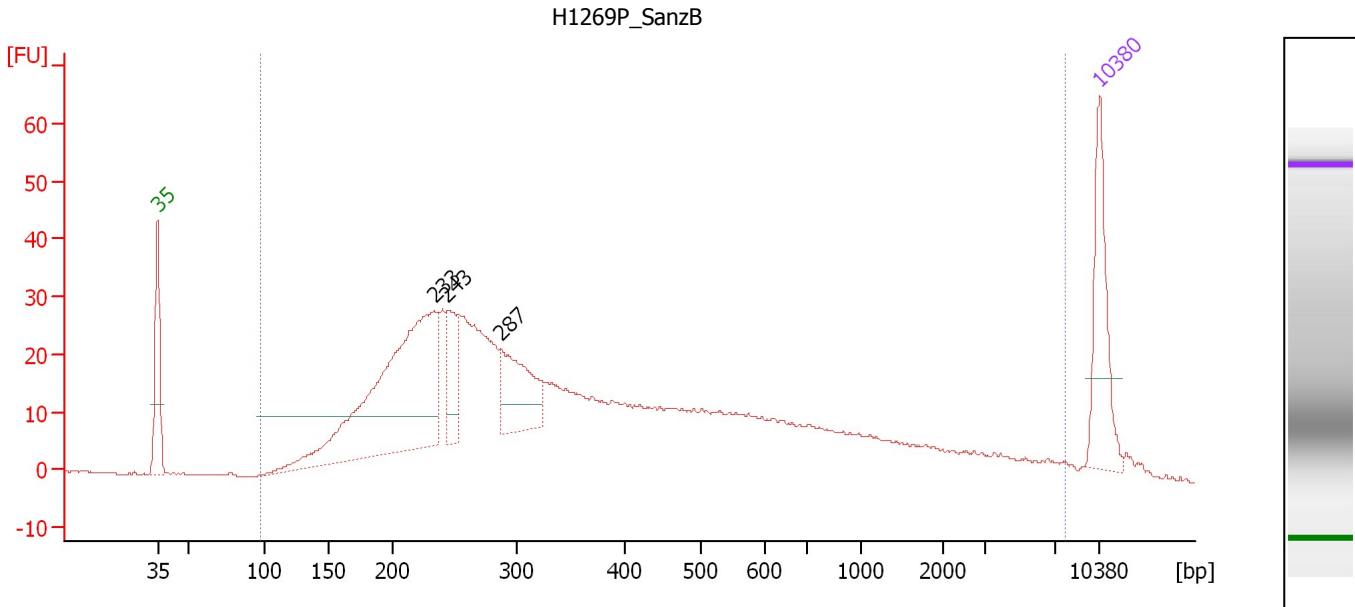
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
99	6,858	601	1,066.7	2,214.22	11,393.9	97	100.0



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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : H1269P\_SanzB**

Number of peaks found: 3                      Corr. Area 1: 1,012.2  
 Noise: 0.1

**Peak table for sample 5 : H1269P\_SanzB**

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	233	419.85	2,730.9		63.54
3	243	68.32	425.2		64.51
4	287	105.23	555.1		68.55
5	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 5 : H1269P\_SanzB**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
97	7,695	705	1,012.2	1,934.21	10,057.9	96	100.0

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**Gel Image**

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**Invalid Samples**

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.