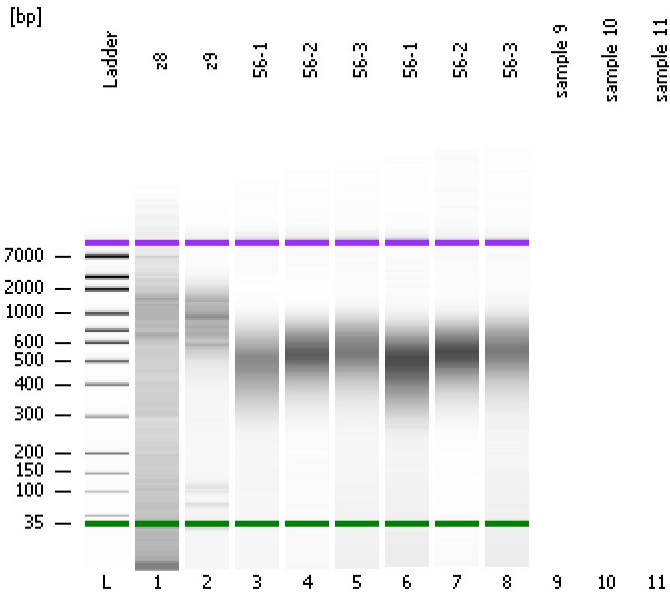


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-13\2017-12-13_004.xad

Created: 12/13/2017 12:36:11 PM
Modified: 12/13/2017 1:28:07 PM

Electrophoresis File Run Summary



Instrument Information:

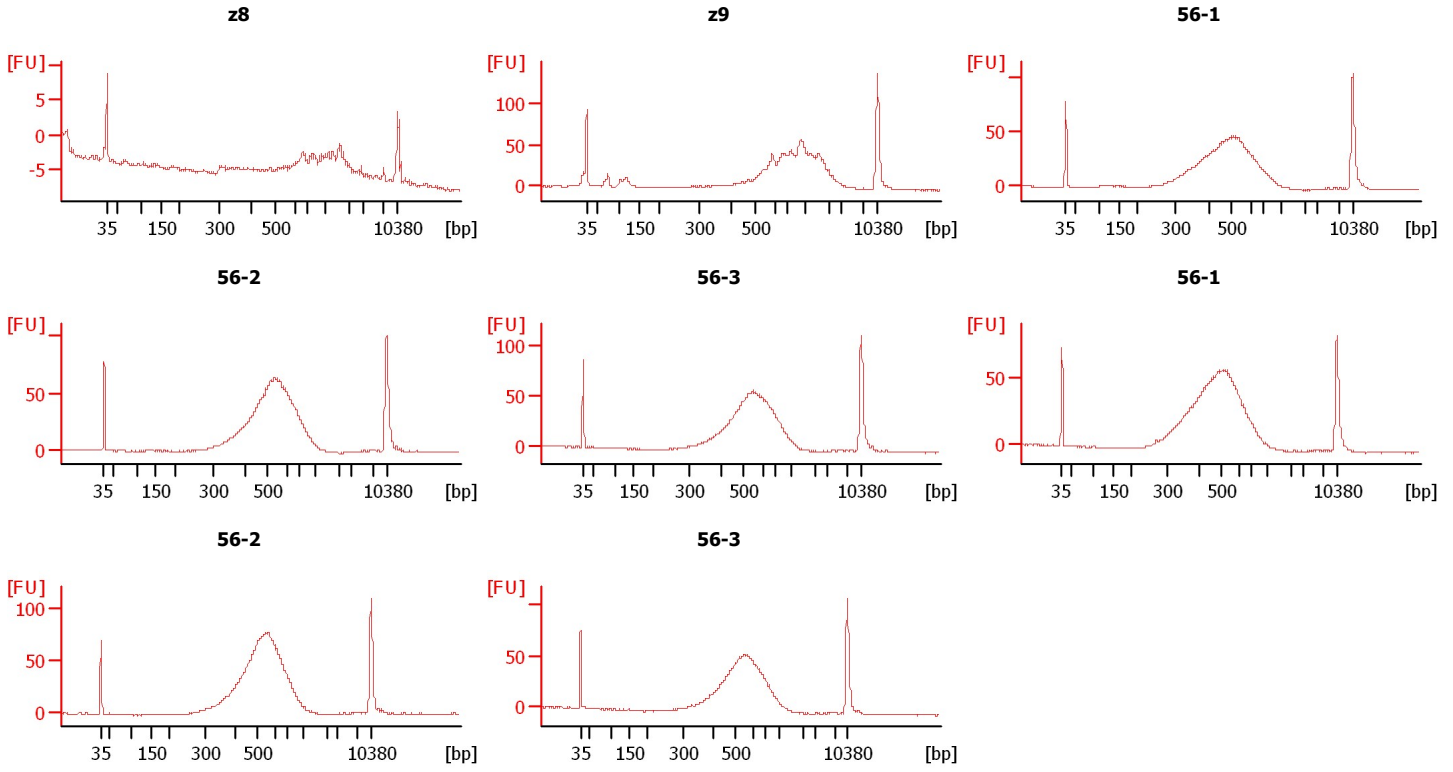
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-13\2017-12-13_004.xad

Created: 12/13/2017 12:36:11 PM
Modified: 12/13/2017 1:28:07 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
z8		<input type="checkbox"/>	✓			
z9		<input type="checkbox"/>	✓			
56-1		<input type="checkbox"/>	✓			
56-2		<input type="checkbox"/>	✓			
56-3		<input type="checkbox"/>	✓			
56-1		<input type="checkbox"/>	✓			
56-2		<input type="checkbox"/>	✓			
56-3		<input type="checkbox"/>	✓			
sample 9		<input type="checkbox"/>				
sample 10		<input type="checkbox"/>				
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

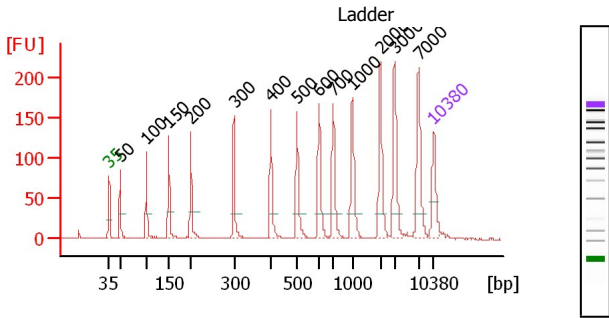
Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-13\2017-12-13_004.xad

Created: 12/13/2017 12:36:11 PM
 Modified: 12/13/2017 1:28:07 PM

Electropherogram Summary



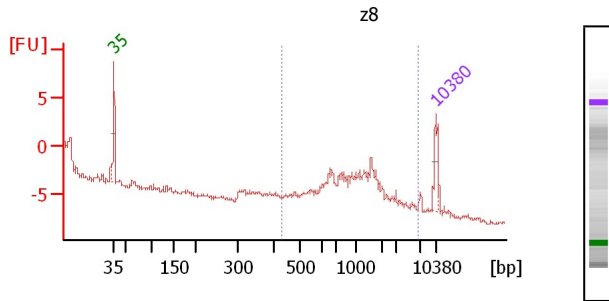
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.39
3	100	150.00	2,272.7	Ladder Peak	51.06
4	150	150.00	1,515.2	Ladder Peak	55.87
5	200	150.00	1,136.4	Ladder Peak	60.65
6	300	150.00	757.6	Ladder Peak	69.92
7	400	150.00	568.2	Ladder Peak	77.84
8	500	150.00	454.5	Ladder Peak	83.51
9	600	150.00	378.8	Ladder Peak	88.24
10	700	150.00	324.7	Ladder Peak	91.30
11	1,000	150.00	227.3	Ladder Peak	95.44
12	2,000	150.00	113.6	Ladder Peak	101.48
13	3,000	150.00	75.8	Ladder Peak	104.54

Overall Results for Ladder

Noise: 0.2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
14	7,000	150.00	32.5	Ladder Peak	109.71
15	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 1 : z8

Number of peaks found: 0
 Noise: 0.3
 Corr. Area 1: 30.4

Region table for sample 1 : z8

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	% of Size distribution Total in CV [%]
428	6,473	1,356	30.4	366.27	517.1	90 55.0

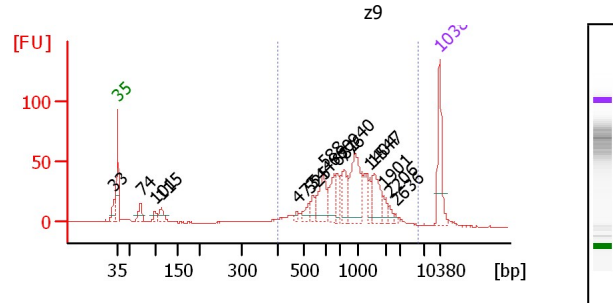
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-13\2017-12-13_004.xad

Created: 12/13/2017 12:36:11 PM
 Modified: 12/13/2017 1:28:07 PM

Electropherogram Summary Continued ...

Peak table for sample 1 : z8

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 2 : z9

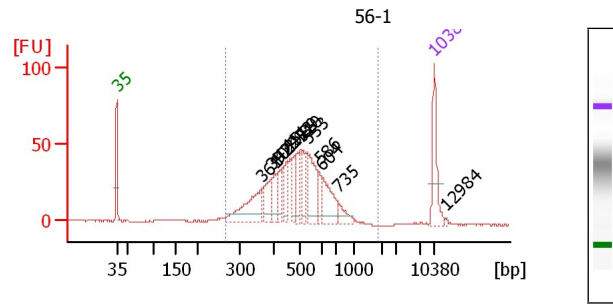
Number of peaks found: 17
 Noise: 0.2
 Corr. Area 1: 806.4

Region table for sample 2 : z9

From [bp]	To [bp]	Average Size [bp]	Corr. Area [pg/μl]	Conc. [pg/μl]	Molarity [pmol/l]	% of Total in CV [%]
399	6,105	1,045	806.4	610.29	1,165.4	81

Peak table for sample 2 : z9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	33	0.00	0.0		42.32
2	35	125.00	5,411.3	Lower Marker	43.00
3	74	39.75	816.2		48.08
4	101	19.36	289.9		51.17
5	115	37.86	499.5		52.49
6	473	6.25	20.0		81.99
7	525	22.11	63.9		84.67
8	544	20.42	56.9		85.58
9	588	74.05	190.9		87.67
10	660	51.53	118.3		90.08
11	681	28.12	62.6		90.71
12	776	54.04	105.6		92.35
13	940	107.06	172.6		94.61
14	1,404	15.54	16.8		97.88
15	1,547	57.63	56.4		98.75
16	1,901	16.19	12.9		100.88
17	2,206	9.00	6.2		102.11
18	2,636	3.63	2.1		103.42
19	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 3 : 56-1

Number of peaks found: 13
 Noise: 0.2
 Corr. Area 1: 866.3

Region table for sample 3 : 56-1

From [bp]	To [bp]	Average Size [bp]	Corr. Area [pg/μl]	Conc. [pg/μl]	Molarity [pmol/l]	% of Total in CV [%]
267	1,854	494	866.3	878.09	2,924.9	97

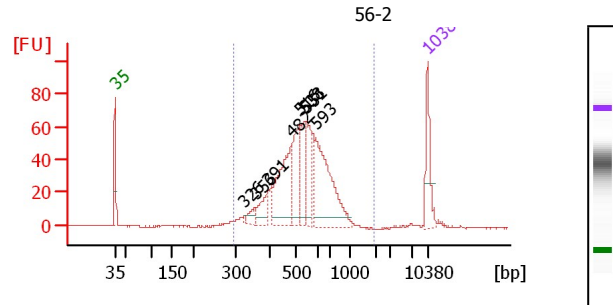
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-13\2017-12-13_004.xad

Created: 12/13/2017 12:36:11 PM
 Modified: 12/13/2017 1:28:07 PM

Electropherogram Summary Continued ...

Peak table for sample 3 : 56-1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	361	124.79	523.7		74.76
3	392	67.73	261.9		77.19
4	402	47.83	180.5		77.93
5	422	32.51	116.8		79.08
6	451	55.69	187.1		80.74
7	472	51.18	164.2		81.93
8	489	45.05	139.5		82.90
9	510	42.63	126.5		84.01
10	533	120.33	342.2		85.06
11	586	29.26	75.6		87.60
12	604	80.14	200.9		88.38
13	735	33.39	68.8		91.78
14	10,380	75.00	10.9	Upper Marker	113.00
15	12,984	0.00	0.0		115.53



Overall Results for sample 4 : 56-2

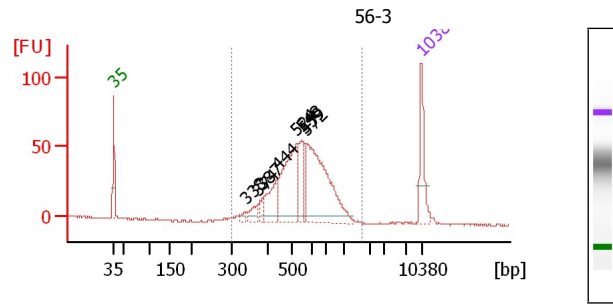
Number of peaks found: 8
 Noise: 0.4
 Corr. Area 1: 962.0

Region table for sample 4 : 56-2

From [bp]	To [bp]	Average Size [bp]	Corr. Area [pg/μl]	Conc. [pg/μl]	Molarity [pmol/l]	% of Size distribution Total in CV [%]
295	1,926	546	962.0	995.58	2,967.2	97 24.0

Peak table for sample 4 : 56-2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	326	4.73	22.0		72.01
3	356	26.35	112.2		74.35
4	391	53.17	206.2		77.11
5	482	209.55	658.7		82.49
6	516	139.79	410.5		84.27
7	538	83.66	235.7		85.30
8	551	103.64	285.2		85.91
9	593	256.68	655.6		87.92
10	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 5 : 56-3

Number of peaks found: 8
 Noise: 0.5
 Corr. Area 1: 893.0

Region table for sample 5 : 56-3

From [bp]	To [bp]	Average Size [bp]	Corr. Area [pg/μl]	Conc. [pg/μl]	Molarity [pmol/l]	% of Size distribution Total in CV [%]
299	1,698	572	893.0	784.65	2,253.1	98 26.8

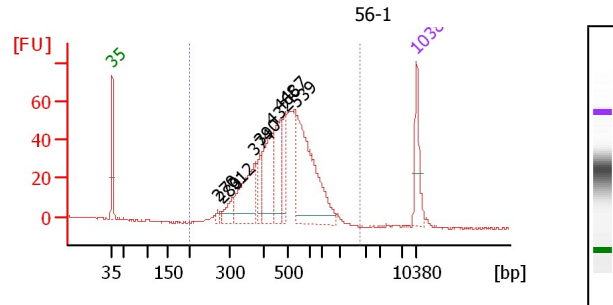
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-13\2017-12-13_004.xad

Created: 12/13/2017 12:36:11 PM
 Modified: 12/13/2017 1:28:07 PM

Electropherogram Summary Continued ...

Peak table for sample 5 : 56-3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	338	14.10	63.2		72.94
3	374	33.56	135.9		75.79
4	387	19.17	75.0		76.84
5	444	94.93	323.8		80.35
6	524	208.03	602.0		84.63
7	548	71.14	196.8		85.77
8	559	36.13	98.0		86.29
9	572	325.63	862.8		86.91
10	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 6 : 56-1

Number of peaks found: 9
 Noise: 0.4
 Corr. Area 1: 1,072.0

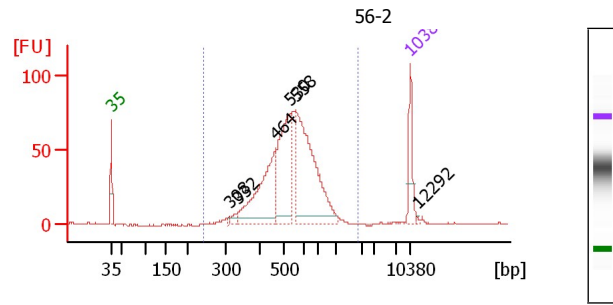
Region table for sample 6 : 56-1

From [bp]	To [bp]	Average Size [bp]	Corr. Area [pg/μl]	Conc. [pg/μl]	Molarity [pmol/l]	% of Size distribution Total in CV [%]
200	1,758	493	1,072.0	1,287.0	4,294.3	99

200 1,758 493 1,072.0 1,287.0 4,294.3 99 24.9

Peak table for sample 6 : 56-1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	270	8.45	47.4		67.15
3	280	8.15	44.1		68.06
4	312	50.47	245.3		70.85
5	374	175.16	710.5		75.74
6	390	50.35	195.7		77.04
7	432	175.90	616.4		79.68
8	466	140.70	457.2		81.60
9	487	100.42	312.7		82.75
10	539	374.53	1,053.3		85.35
11	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 7 : 56-2

Number of peaks found: 6
 Noise: 0.4
 Corr. Area 1: 1,116.0

Region table for sample 7 : 56-2

From [bp]	To [bp]	Average Size [bp]	Corr. Area [pg/μl]	Conc. [pg/μl]	Molarity [pmol/l]	% of Size distribution Total in CV [%]
242	1,875	549	1,116.0	1,255.3	3,728.7	99

242 1,875 549 1,116.0 1,255.3 3,728.7 99 25.1

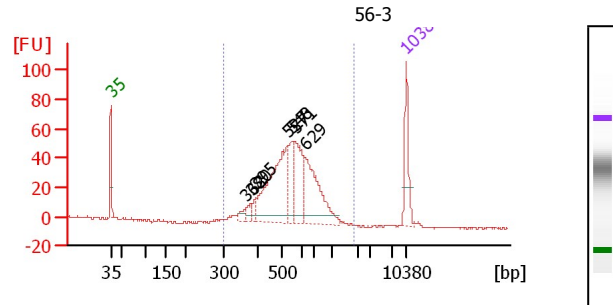
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-13\2017-12-13_004.xad

Created: 12/13/2017 12:36:11 PM
 Modified: 12/13/2017 1:28:07 PM

Electropherogram Summary Continued ...

Peak table for sample 7 : 56-2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	308	7.12	35.0		70.59
3	332	22.46	102.5		72.45
4	464	329.39	1,076.6		81.45
5	530	307.67	879.9		84.92
6	558	503.36	1,367.5		86.24
7	10,380	75.00	10.9	Upper Marker	113.00
8	12,292	0.00	0.0		114.86



Overall Results for sample 8 : 56-3

Number of peaks found: 7
 Noise: 0.5
 Corr. Area 1: 825.1

Region table for sample 8 : 56-3

From To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	% of Size distribution Total in CV [%]
298	1,895	571	825.1	824.39	2,364.9

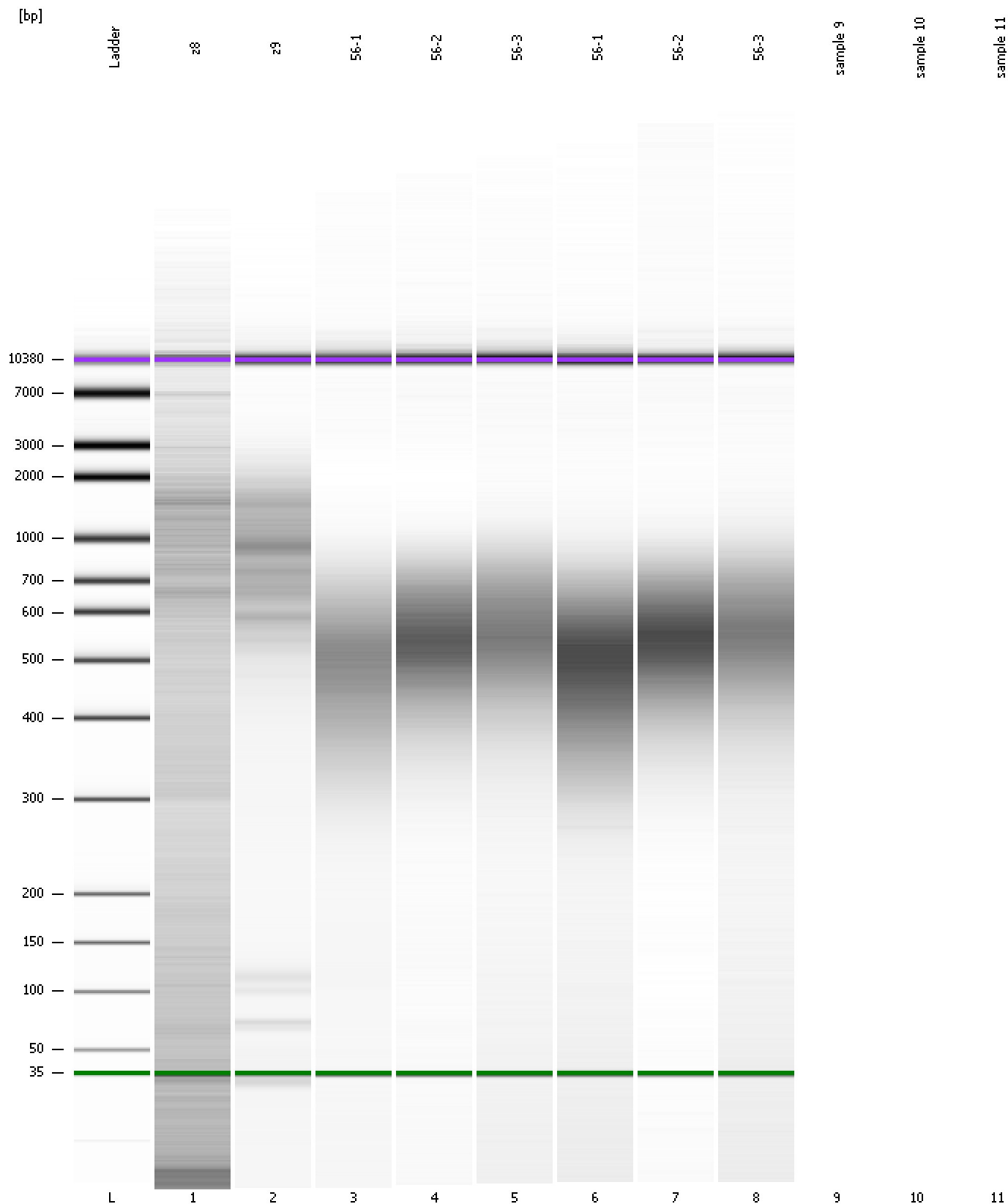
Peak table for sample 8 : 56-3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	362	20.49	85.8		74.80
3	380	22.24	88.6		76.29
4	395	18.77	72.1		77.43
5	527	305.20	876.7		84.81
6	548	81.86	226.2		85.80
7	571	140.26	371.9		86.89
8	629	199.03	479.6		89.12
9	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-13\2017-12-13_004.xad

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Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-13\2017-12-13_004.xad

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Modified: 12/13/2017 1:28:07 PM

Invalid Samples

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.