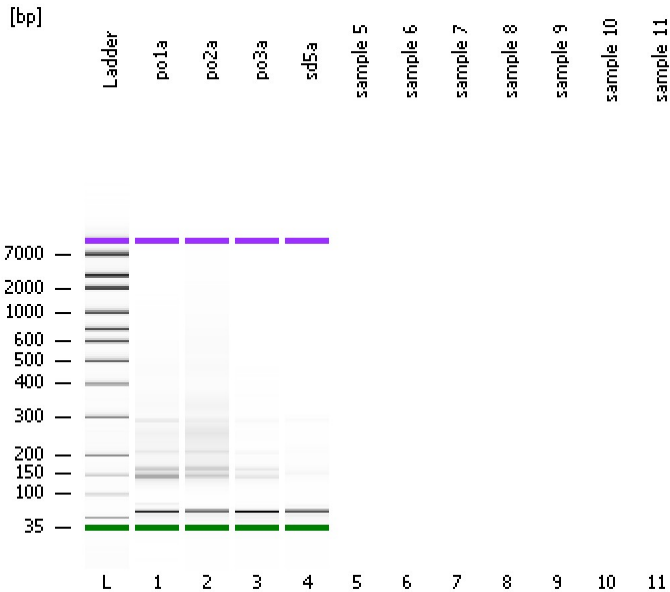


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-28\2018-03-28_001.xad

Created: 3/28/2018 3:17:54 PM
Modified: 3/28/2018 3:42:43 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

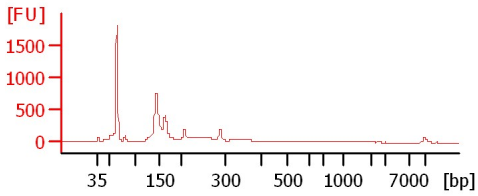
Assay Information:

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

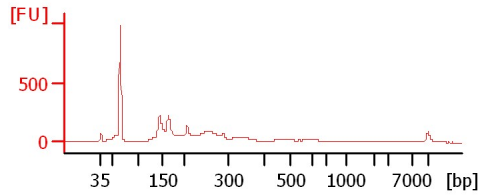
Chip Information:

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

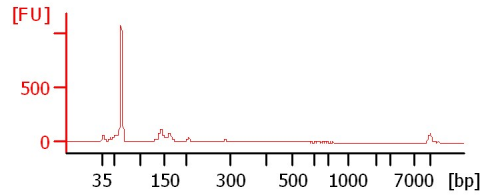
po1a



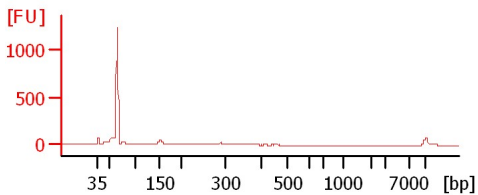
po2a



po3a



sd5a



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-28\2018-03-28_001.xad

Created: 3/28/2018 3:17:54 PM
Modified: 3/28/2018 3:42:43 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
po1a		<input type="checkbox"/>	✓			
po2a		<input type="checkbox"/>	✓			
po3a		<input type="checkbox"/>	✓			
sd5a		<input type="checkbox"/>	✓			
sample 5		<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 #

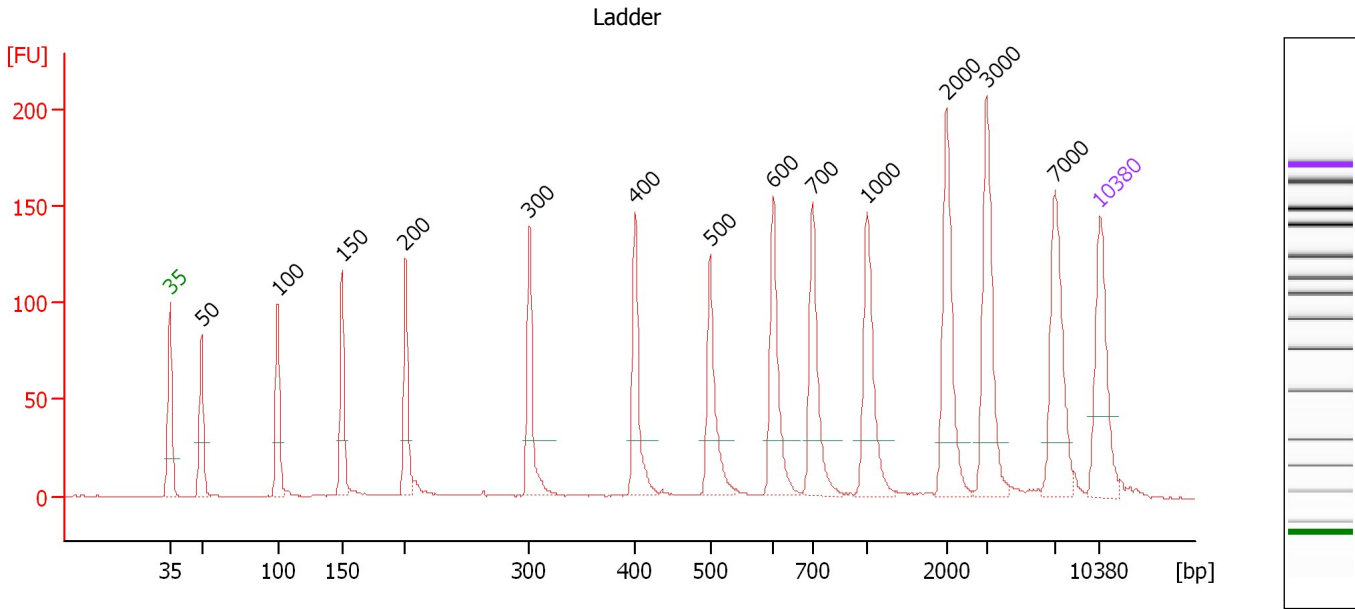
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-28\2018-03-28_001.xad

Created: 3/28/2018 3:17:54 PM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.4

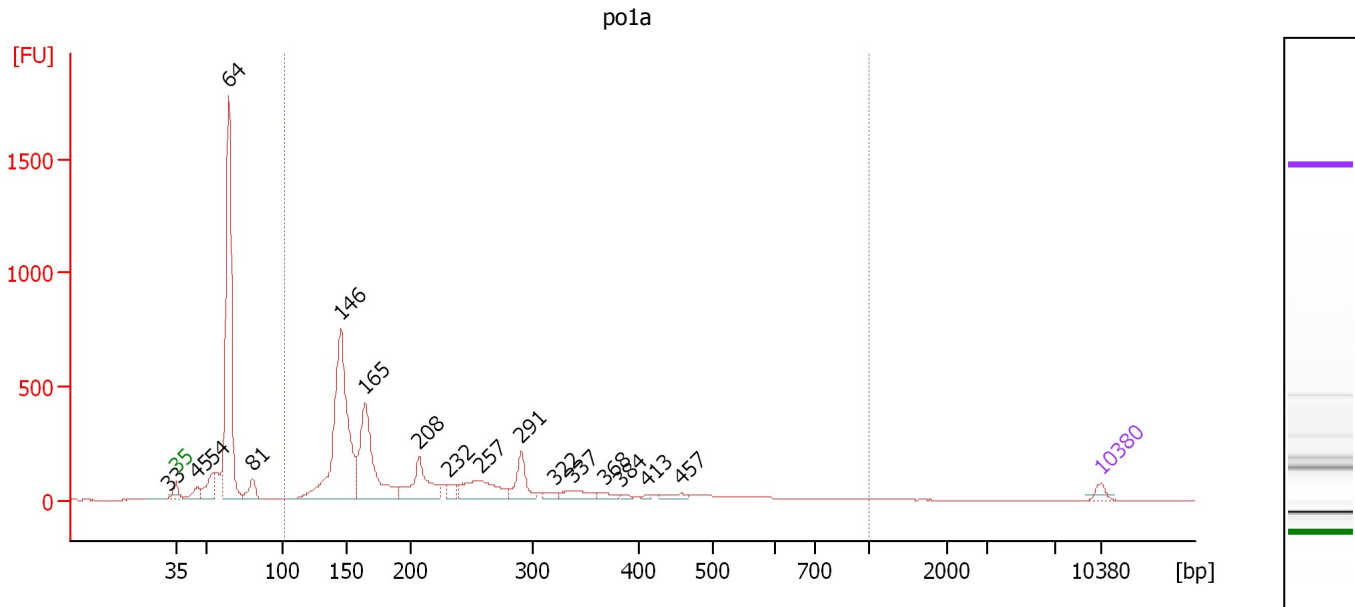
Peak table for Ladder

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	45.37
3	100	150.00	2,272.7	Ladder Peak	51.12
4	150	150.00	1,515.2	Ladder Peak	55.94
5	200	150.00	1,136.4	Ladder Peak	60.72
6	300	150.00	757.6	Ladder Peak	70.04
7	400	150.00	568.2	Ladder Peak	78.02
8	500	150.00	454.5	Ladder Peak	83.64
9	600	150.00	378.8	Ladder Peak	88.41
10	700	150.00	324.7	Ladder Peak	91.34
11	1,000	150.00	227.3	Ladder Peak	95.47
12	2,000	150.00	113.6	Ladder Peak	101.45
13	3,000	150.00	75.8	Ladder Peak	104.46
14	7,000	150.00	32.5	Ladder Peak	109.61
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-28\2018-03-28_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : po1a

Number of peaks found: 17 Corr. Area 1: 4,803.2
 Noise: 0.4

Peak table for sample 1 : po1a

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	33	0.00	0.0		42.44
2	35	125.00	5,411.3	Lower Marker	43.00
3	45	259.77	8,660.7		44.65
4	54	444.25	12,563.1		45.78
5	64	4,788.89	112,990.4		47.00
6	81	311.35	5,854.1		48.88
7	146	4,161.30	43,291.0		55.52
8	165	2,109.18	19,390.1		57.36
9	208	966.60	7,045.8		61.45
10	232	169.21	1,104.6		63.71
11	257	816.71	4,818.1		66.02
12	291	518.04	2,700.4		69.17
13	322	91.07	429.1		71.76
14	337	250.60	1,127.1		72.99
15	368	107.65	443.8		75.43
16	384	38.61	152.3		76.75
17	413	27.48	100.9		78.73
18	457	108.24	358.8		81.22
19	10,380	75.00	10.9	Upper Marker	113.00

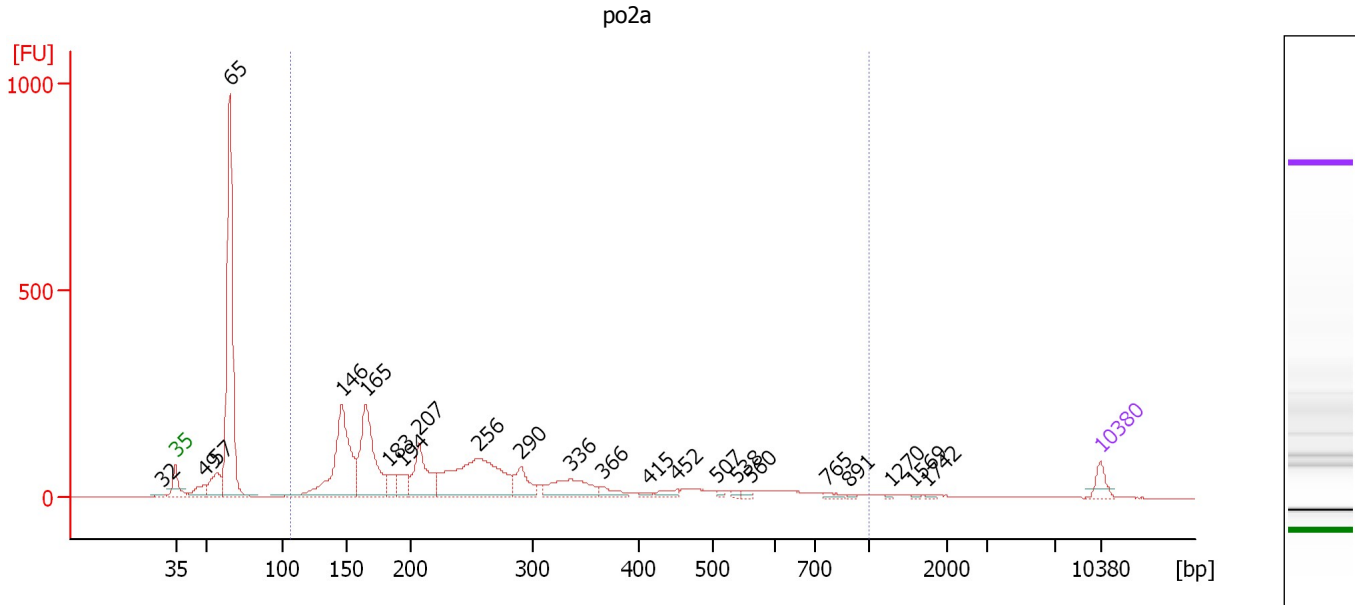
Region table for sample 1 : po1a

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
101	1,000	233	4,803.2	10,167.19	84,246.7	64	52.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-28\2018-03-28_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : po2a

Number of peaks found: 23 Corr. Area 1: 2,988.0
 Noise: 0.3

Peak table for sample 2 : po2a

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.06
2	35	125.00	5,411.3	Lower Marker	43.00
3	49	146.72	4,533.4		45.21
4	57	288.39	7,683.3		46.16
5	65	2,364.45	55,065.3		47.10
6	146	1,260.60	13,062.7		55.58
7	165	994.30	9,108.0		57.41
8	183	149.20	1,234.3		59.11
9	194	166.28	1,295.4		60.19
10	207	498.55	3,640.6		61.42
11	256	1,173.99	6,948.6		65.94
12	290	231.32	1,207.1		69.14
13	336	358.11	1,615.1		72.91
14	366	86.27	357.1		75.31
15	415	27.93	102.0		78.85
16	452	61.21	205.4		80.92
17	507	17.70	52.9		83.98
18	538	18.26	51.4		85.44
19	560	24.52	66.4		86.48
20	765	26.64	52.8		92.23
21	891	8.93	15.2		93.97
22	1,270	7.01	8.4		97.08
23	1,569	7.16	6.9		98.87
24	1,742	7.45	6.5		99.90
25	10,380	75.00	10.9	Upper Marker	113.00


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-28\2018-03-28_001.xad

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Electropherogram Summary Continued ...

... Region table for sample 2 :

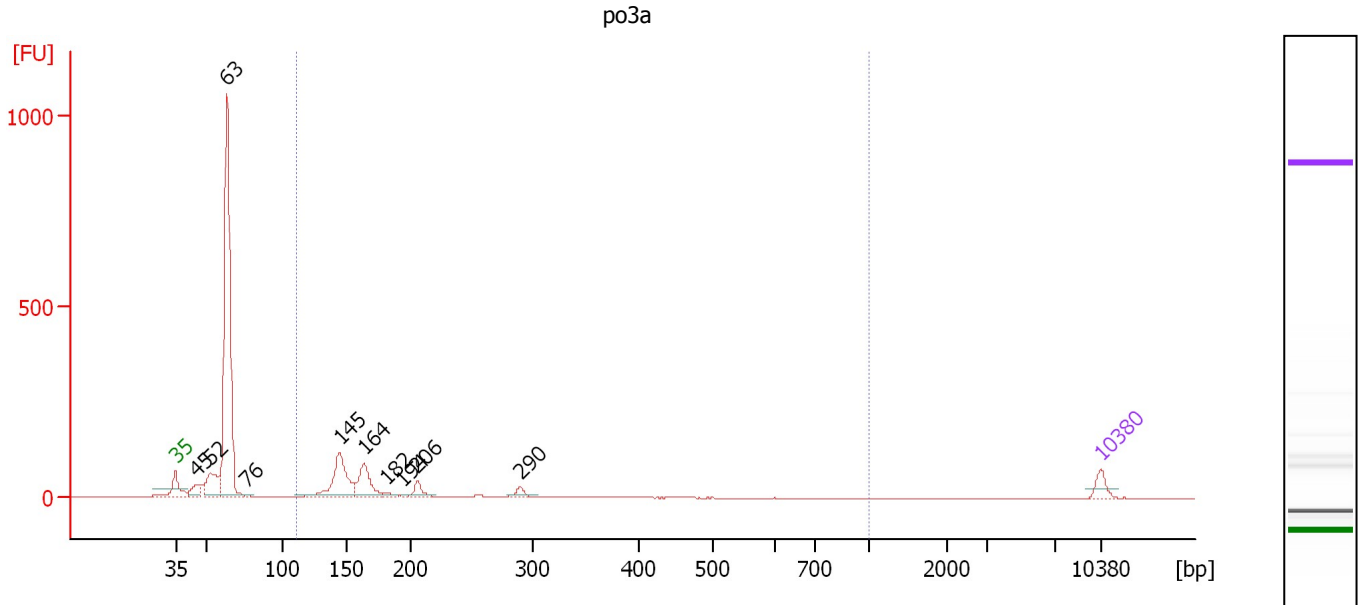
po2a

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ μ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
106	1,000	274	2,988.0	5,476.71	40,146.7	 68	54.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-28\2018-03-28_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : po3a

Number of peaks found: 10 Corr. Area 1: 615.7
 Noise: 0.3

Peak table for sample 3 : po3a

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	45	134.45	4,529.3		44.57
3	52	352.01	10,211.2		45.62
4	63	2,802.81	66,957.5		46.91
5	76	18.27	364.8		48.34
6	145	624.06	6,527.7		55.45
7	164	349.78	3,236.2		57.26
8	182	29.45	245.5		58.97
9	194	11.61	90.6		60.17
10	206	93.60	687.4		61.31
11	290	55.23	288.9		69.08
12	10,380	75.00	10.9	Upper Marker	113.00

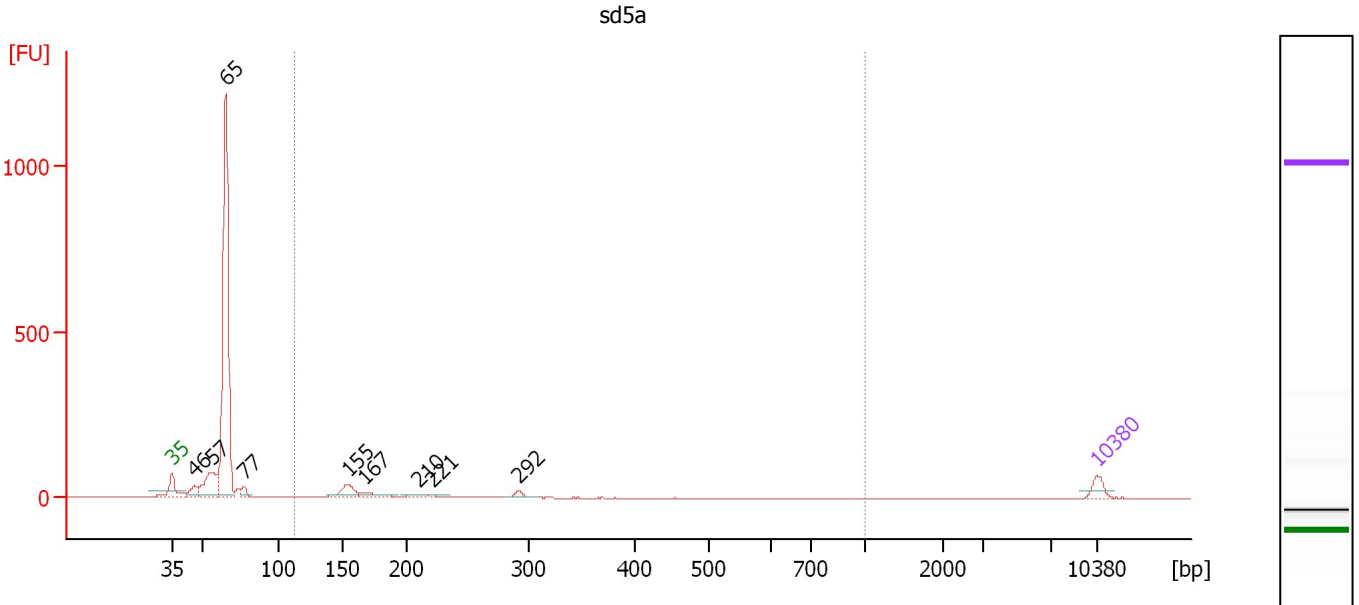
Region table for sample 3 : po3a

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
111	1,000	181	615.7	1,329.68	12,157.9	30	31.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-28\2018-03-28_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : sd5a

Number of peaks found: 9 Corr. Area 1: 235.7
 Noise: 0.3

Peak table for sample 4 : sd5a

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	46	135.27	4,444.9		44.75
3	57	496.23	13,303.4		46.12
4	65	3,223.83	75,172.1		47.09
5	77	88.49	1,735.6		48.50
6	155	200.37	1,963.1		56.39
7	167	104.13	942.5		57.60
8	210	44.10	318.3		61.64
9	221	18.45	126.2		62.71
10	292	46.21	239.9		69.29
11	10,380	75.00	10.9	Upper Marker	113.00

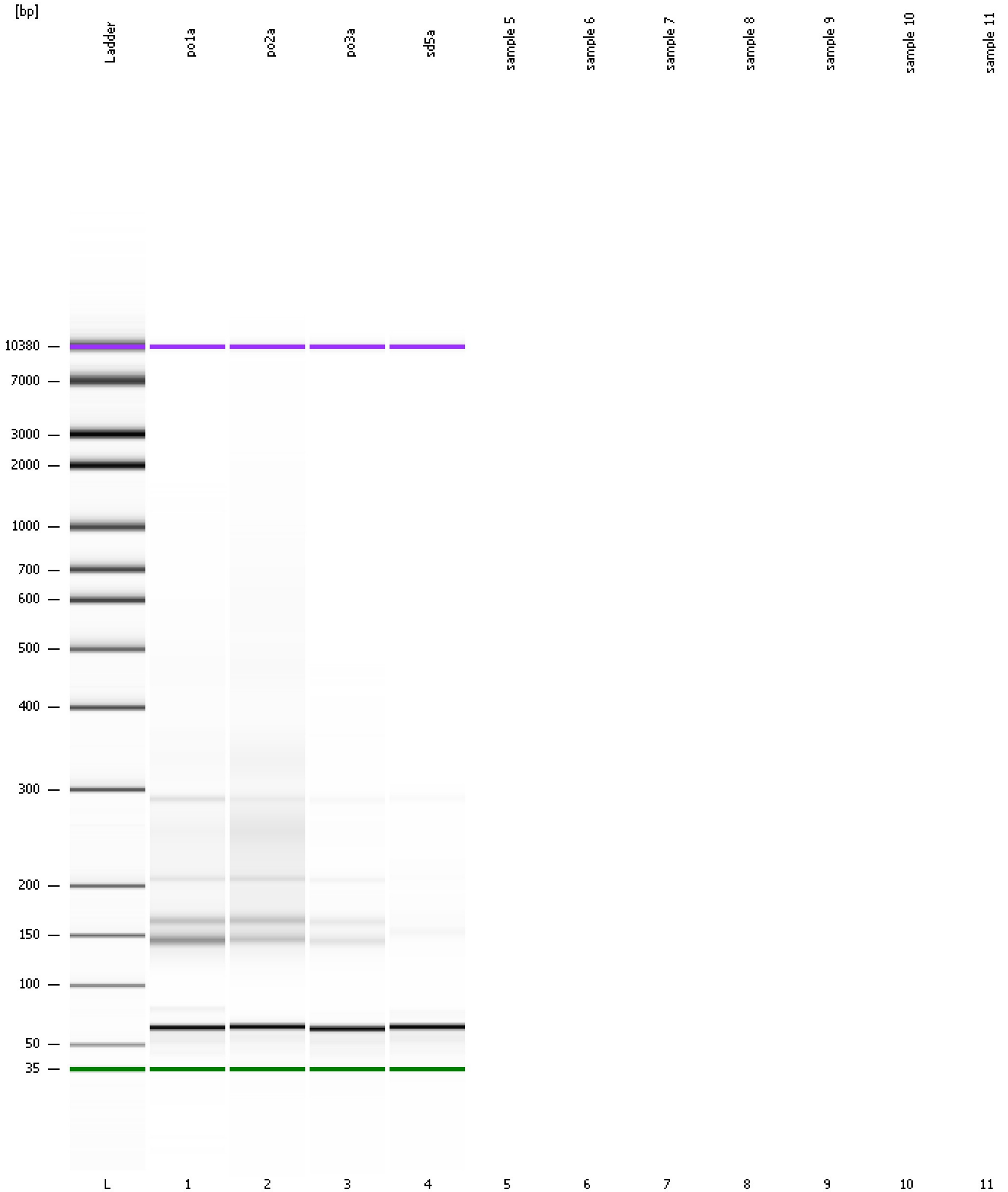
Region table for sample 4 : sd5a

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
112	1,000	194	235.7	507.85	4,334.4	12	29.3

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-28\2018-03-28_001.xad

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Modified: 3/28/2018 3:42:43 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-28\2018-03-28_001.xad

Created: 3/28/2018 3:17:54 PM
Modified: 3/28/2018 3:42:43 PM

Invalid Samples

Sample 5 has not been run, no results available.

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.