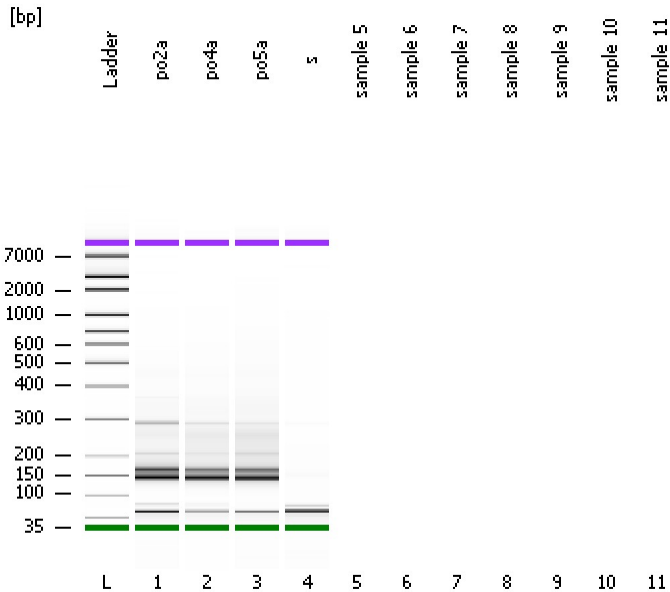


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-02\2018-08-02_004.xad

Created: 8/2/2018 3:48:32 PM
Modified: 8/2/2018 4:09:49 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

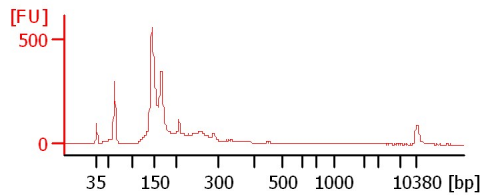
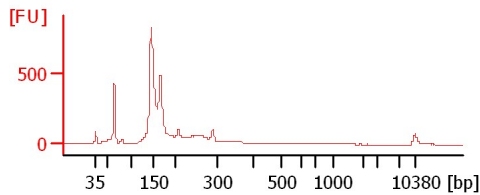
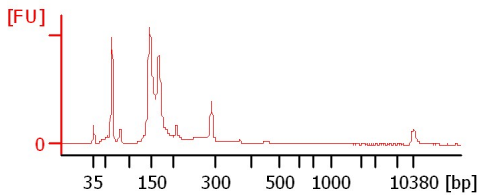
Chip Information:

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

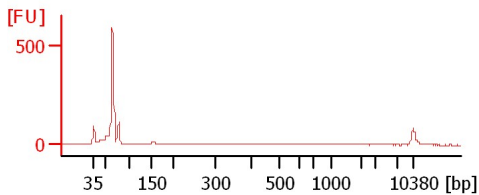
po2a

po4a

po5a



s



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-02\2018-08-02_004.xad

Created: 8/2/2018 3:48:32 PM
Modified: 8/2/2018 4:09:49 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
po2a		<input type="checkbox"/>	✓			
po4a		<input type="checkbox"/>	✓			
po5a		<input type="checkbox"/>	✓			
s		<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\2018-08-02\2018-08-02_004.xad

Created: 8/2/2018 3:48:32 PM
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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

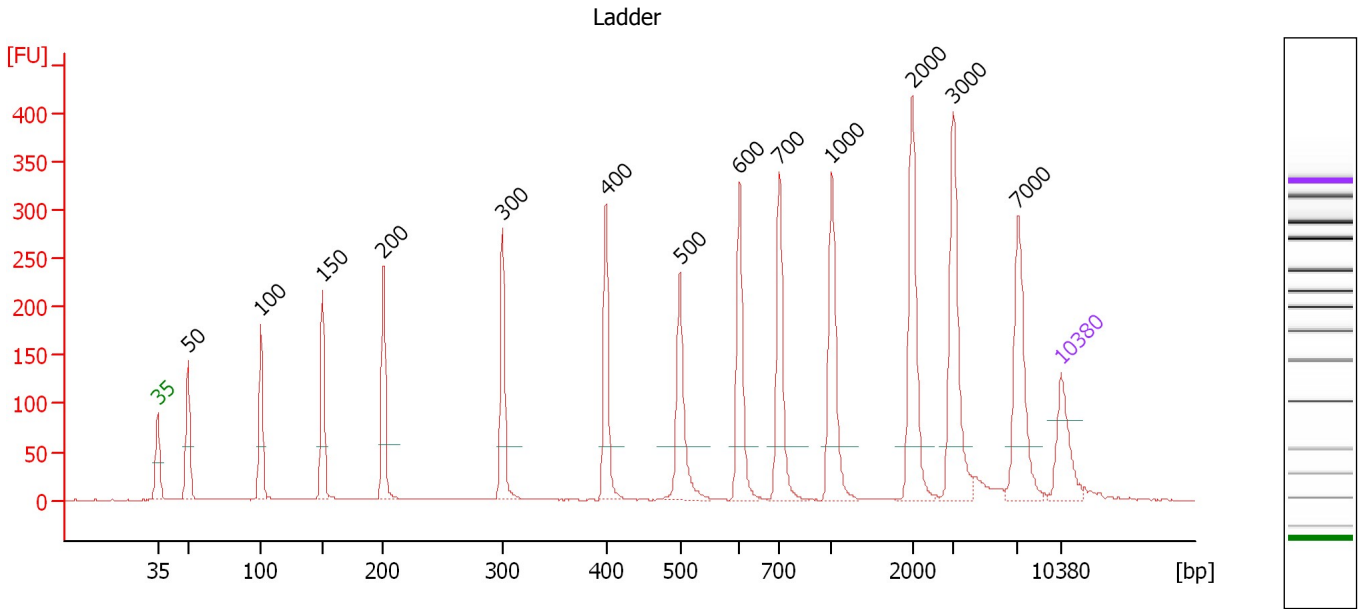
Ladder

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:\... bioanalyzer\2100 expert\data\2018-08-02\2018-08-02_004.xad

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.4

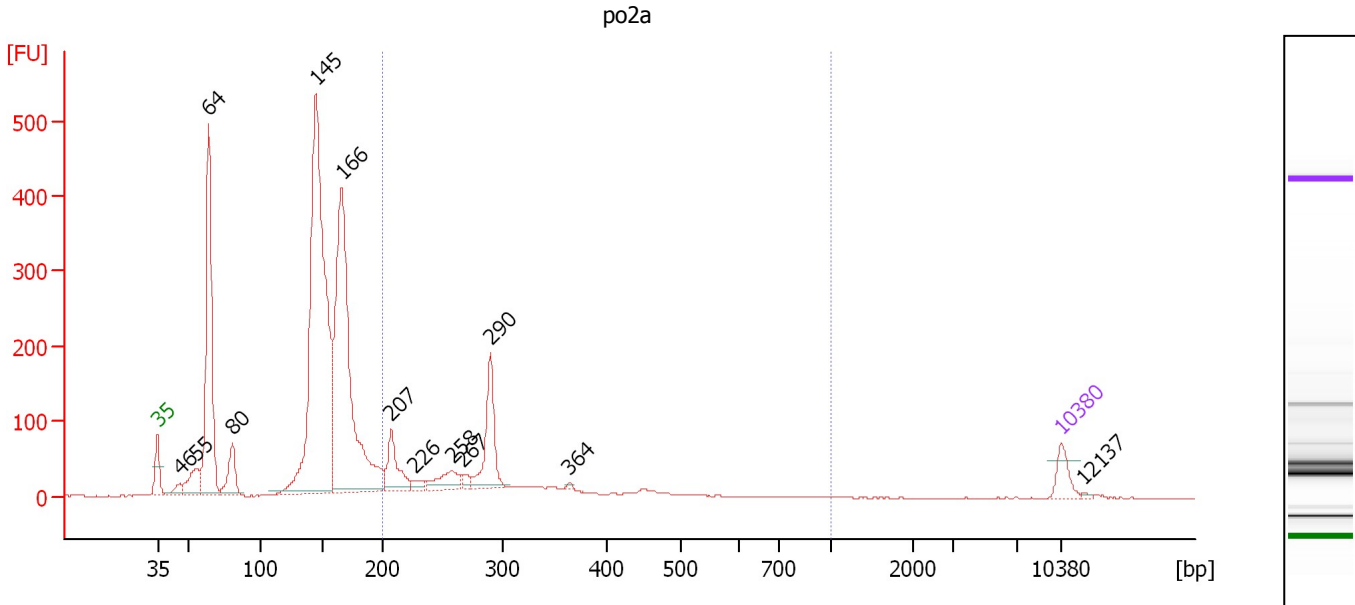
Peak table for Ladder

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	51.00
4	150	150.00	1,515.2	Ladder Peak	55.79
5	200	150.00	1,136.4	Ladder Peak	60.49
6	300	150.00	757.6	Ladder Peak	69.74
7	400	150.00	568.2	Ladder Peak	77.74
8	500	150.00	454.5	Ladder Peak	83.47
9	600	150.00	378.8	Ladder Peak	88.07
10	700	150.00	324.7	Ladder Peak	91.19
11	1,000	150.00	227.3	Ladder Peak	95.23
12	2,000	150.00	113.6	Ladder Peak	101.47
13	3,000	150.00	75.8	Ladder Peak	104.63
14	7,000	150.00	32.5	Ladder Peak	109.65
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-02\2018-08-02_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : po2a

Number of peaks found: 13 Corr. Area 1: 806.0
 Noise: 0.5

Peak table for sample 1 : po2a

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	65.44	2,169.3		44.69
3	55	198.52	5,443.6		45.96
4	64	1,263.18	29,889.3		46.95
5	80	219.46	4,139.2		48.79
6	145	2,868.07	30,041.6		55.28
7	166	2,071.74	18,958.1		57.25
8	207	240.40	1,761.9		61.11
9	226	42.63	285.8		62.90
10	258	132.51	779.5		65.82
11	267	32.99	187.4		66.66
12	290	364.29	1,906.0		68.78
13	364	8.49	35.3		74.90
14	10,380	75.00	10.9	Upper Marker	113.00
15	12,137	0.00	0.0		114.74

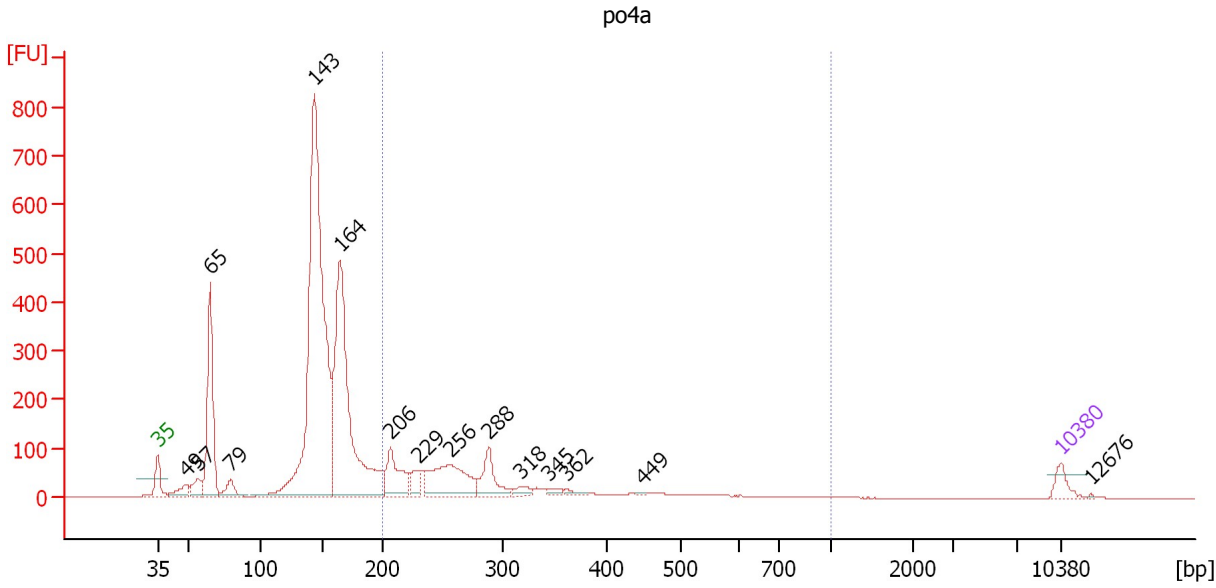
Region table for sample 1 : po2a

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	297	1,408.87	806.0	7,714.4	20	30.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-02\2018-08-02_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : po4a

Number of peaks found: 15 Corr. Area 1: 1,137.4
 Noise: 0.4

Peak table for sample 2 : po4a

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	49	122.02	3,789.6		45.18
3	57	148.15	3,957.8		46.13
4	65	1,030.76	23,976.7		47.08
5	79	129.14	2,462.7		48.69
6	143	4,194.28	44,399.1		55.13
7	164	2,367.72	21,850.4		57.12
8	206	372.97	2,741.4		61.06
9	229	126.84	840.4		63.14
10	256	572.23	3,389.3		65.65
11	288	271.33	1,427.1		68.64
12	318	63.91	304.3		71.20
13	345	40.90	179.7		73.33
14	362	31.62	132.3		74.71
15	449	10.04	33.9		80.54
16	10,380	75.00	10.9	Upper Marker	113.00
17	12,676	0.00	0.0		115.27

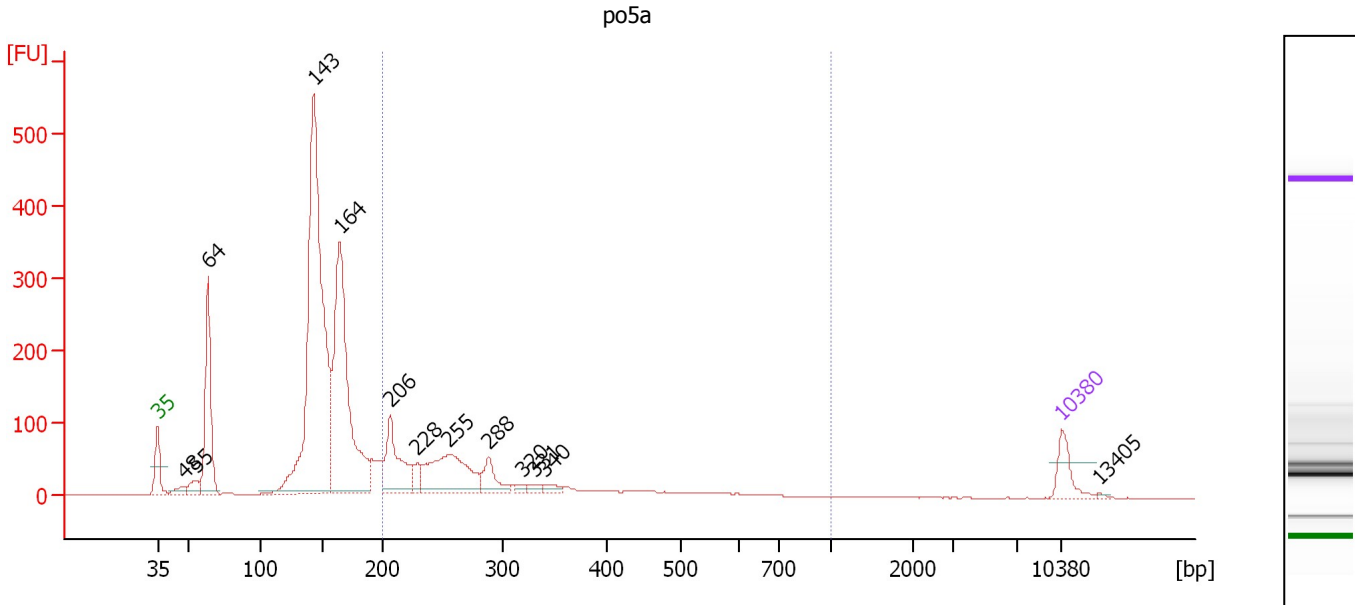
Region table for sample 2 : po4a

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	298	1,933.11	1,137.4	10,870.0	22	35.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-02\2018-08-02_004.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : po5a

Number of peaks found: 13 Corr. Area 1: 956.6
 Noise: 0.5

Peak table for sample 3 : po5a

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	48	41.78	1,314.7		45.08
3	55	69.31	1,905.1		45.95
4	64	533.14	12,678.2		46.92
5	143	2,091.56	22,216.8		55.09
6	164	1,199.46	11,074.3		57.12
7	206	298.84	2,199.4		61.03
8	228	55.12	365.7		63.11
9	255	388.78	2,310.3		65.58
10	288	102.15	536.7		68.67
11	320	18.94	89.7		71.33
12	331	21.00	96.0		72.25
13	340	21.85	97.3		72.97
14	10,380	75.00	10.9	Upper Marker	113.00
15	13,405	0.00	0.0		116.00

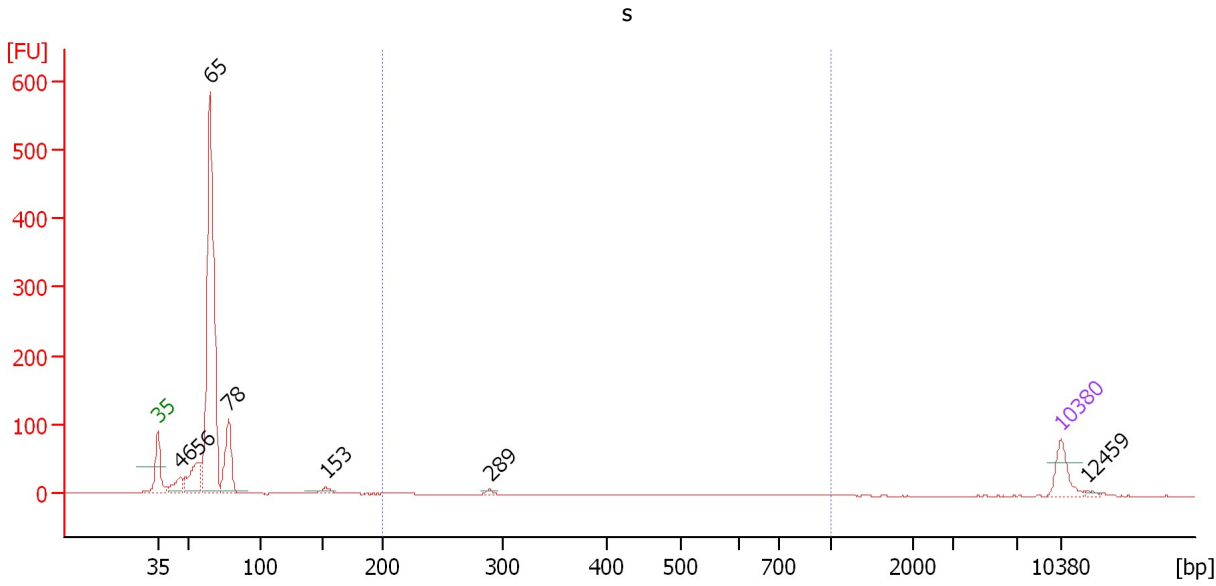
Region table for sample 3 : po5a

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	298	1,213.04	956.6	6,880.5	26	36.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-02\2018-08-02_004.xad

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 Modified: 8/2/2018 4:09:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : s

Number of peaks found: 7 Corr. Area 1: 15.7
 Noise: 0.2

Peak table for sample 4 : s

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	90.56	2,971.9		44.77
3	56	204.38	5,492.3		46.09
4	65	1,569.43	36,774.7		47.02
5	78	263.96	5,144.8		48.49
6	153	30.39	301.5		56.05
7	289	9.76	51.1		68.75
8	10,380	75.00	10.9	Upper Marker	113.00
9	12,459	0.00	0.0		115.06

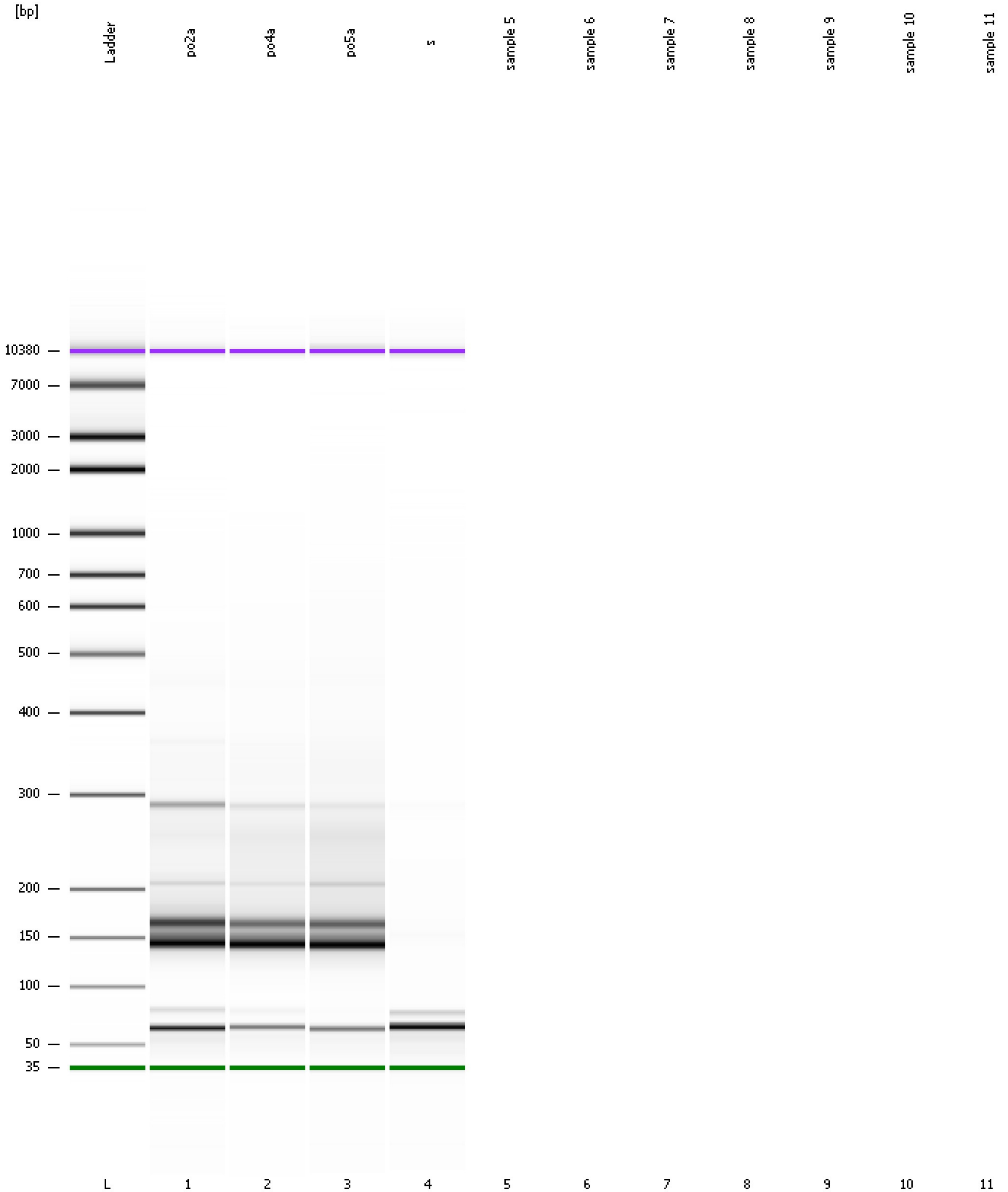
Region table for sample 4 : s

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	262	24.78	15.7	145.0	1	19.5

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-02\2018-08-02_004.xad

Created: 8/2/2018 3:48:32 PM
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Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-08-02\2018-08-02_004.xad

Created: 8/2/2018 3:48:32 PM
Modified: 8/2/2018 4:09:49 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.