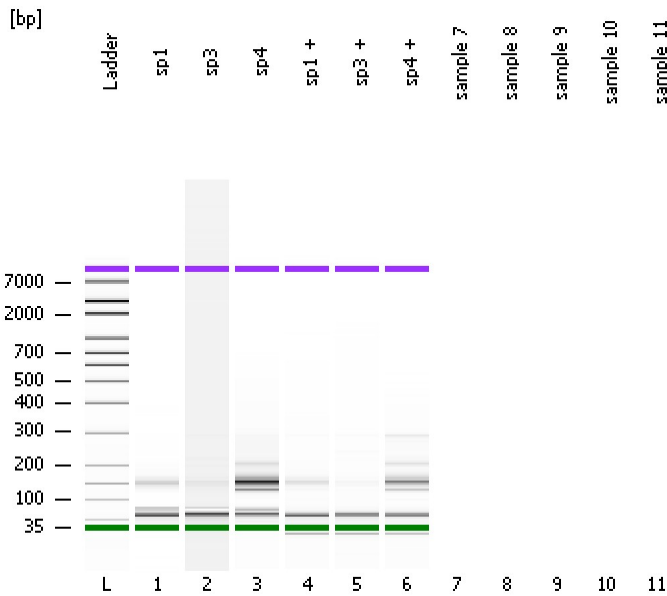


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-10\2017-05-10_001.xad

Created: 5/10/2017 12:05:33 PM
Modified: 5/10/2017 12:39:19 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

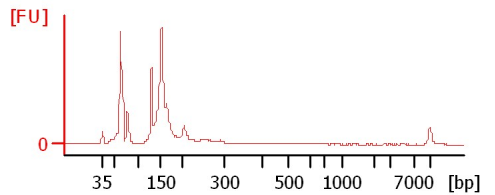
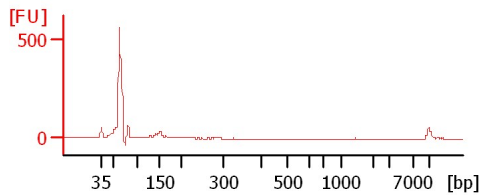
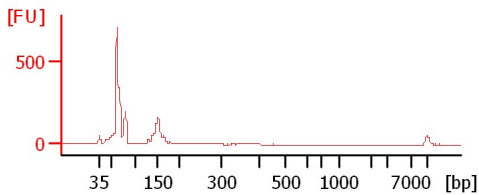
Chip Information:

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

sp1

sp3

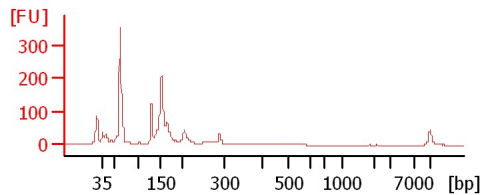
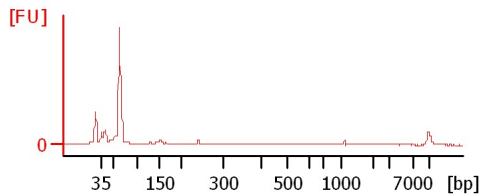
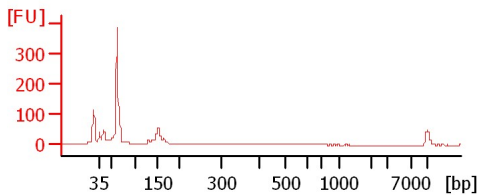
sp4



sp1 +

sp3 +

sp4 +



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-10\2017-05-10_001.xad

Created: 5/10/2017 12:05:33 PM
 Modified: 5/10/2017 12:39:19 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sp1		<input type="checkbox"/>	✓			
sp3		<input type="checkbox"/>	✓			
sp4		<input type="checkbox"/>	✓			
sp1 +		<input type="checkbox"/>	✓			
sp3 +		<input type="checkbox"/>	✓			
sp4 +		<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 #

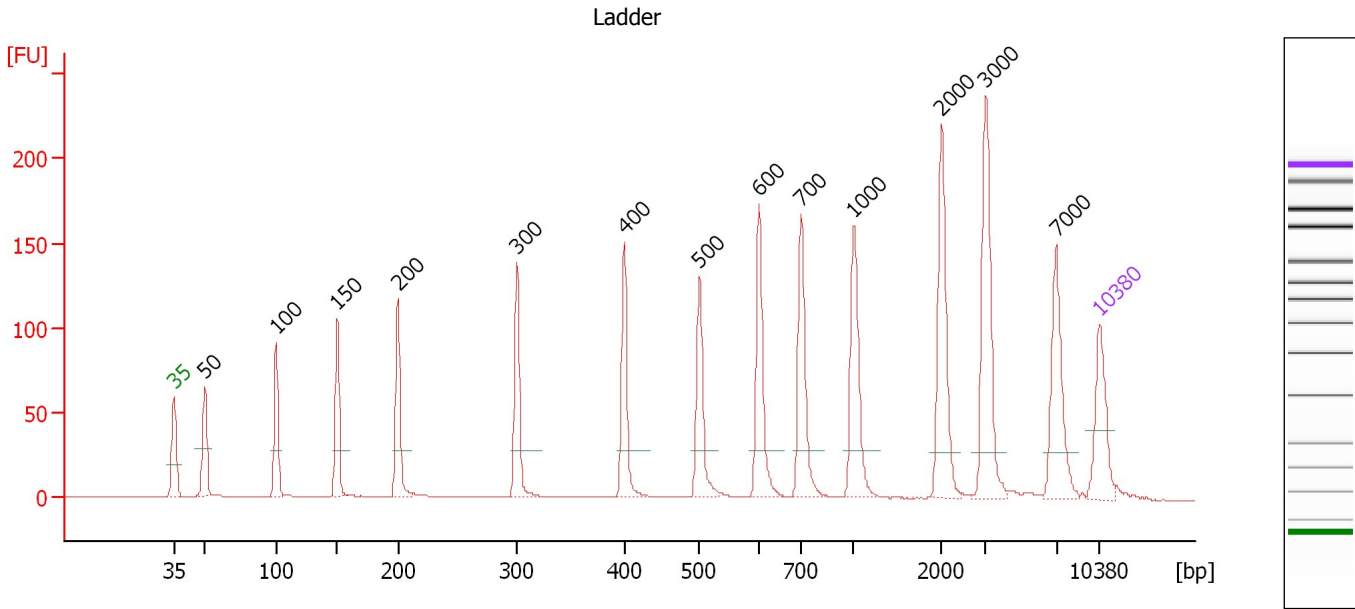
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-10\2017-05-10_001.xad

Created: 5/10/2017 12:05:33 PM
 Modified: 5/10/2017 12:39:19 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

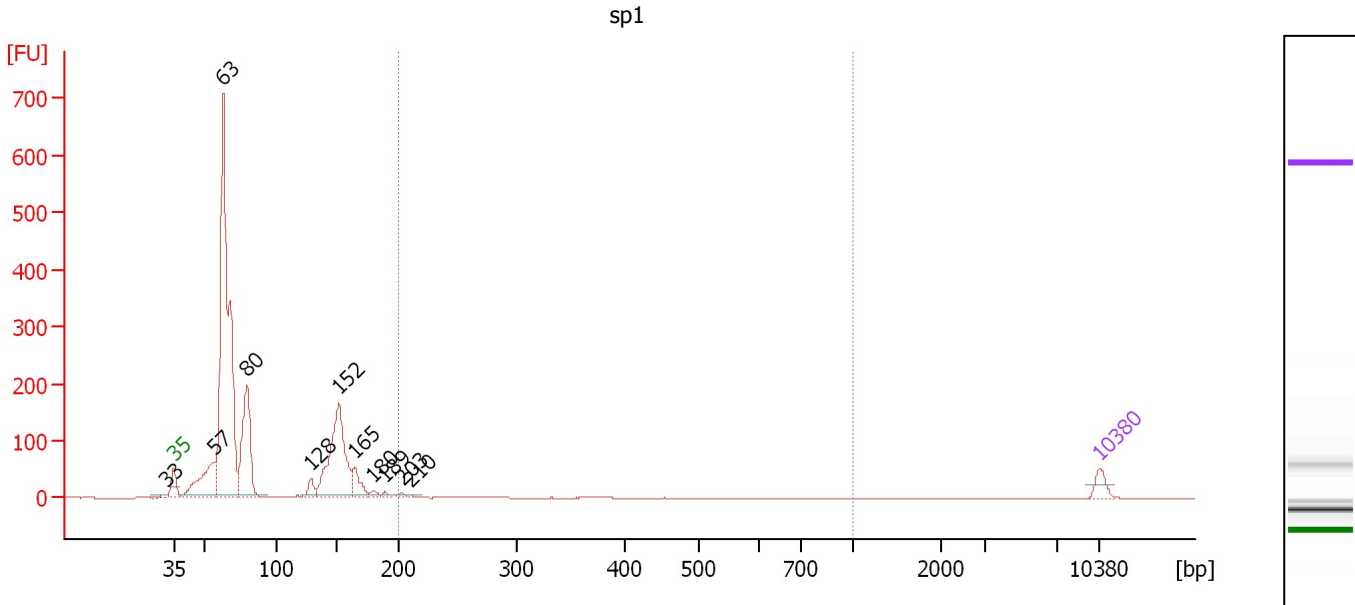
Peak table for Ladder

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	45.35
3	100	150.00	2,272.7	Ladder Peak	50.72
4	150	150.00	1,515.2	Ladder Peak	55.33
5	200	150.00	1,136.4	Ladder Peak	59.94
6	300	150.00	757.6	Ladder Peak	68.96
7	400	150.00	568.2	Ladder Peak	77.02
8	500	150.00	454.5	Ladder Peak	82.73
9	600	150.00	378.8	Ladder Peak	87.24
10	700	150.00	324.7	Ladder Peak	90.40
11	1,000	150.00	227.3	Ladder Peak	94.38
12	2,000	150.00	113.6	Ladder Peak	101.01
13	3,000	150.00	75.8	Ladder Peak	104.36
14	7,000	150.00	32.5	Ladder Peak	109.69
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-10\2017-05-10_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : sp1

Number of peaks found: 11 Corr. Area 1: 34.0
 Noise: 0.2

Peak table for sample 1 : sp1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	33	0.00	0.0		42.42
2	35	125.00	5,411.3	Lower Marker	43.00
3	57	637.47	17,040.5		46.07
4	63	3,819.36	92,482.4		46.70
5	80	1,017.00	19,310.3		48.55
6	128	113.83	1,344.8		53.33
7	152	1,265.83	12,657.8		55.47
8	165	213.75	1,965.9		56.69
9	180	41.73	352.1		58.05
10	189	30.95	248.0		58.93
11	203	21.21	158.0		60.24
12	210	15.50	111.9		60.83
13	10,380	75.00	10.9	Upper Marker	113.00

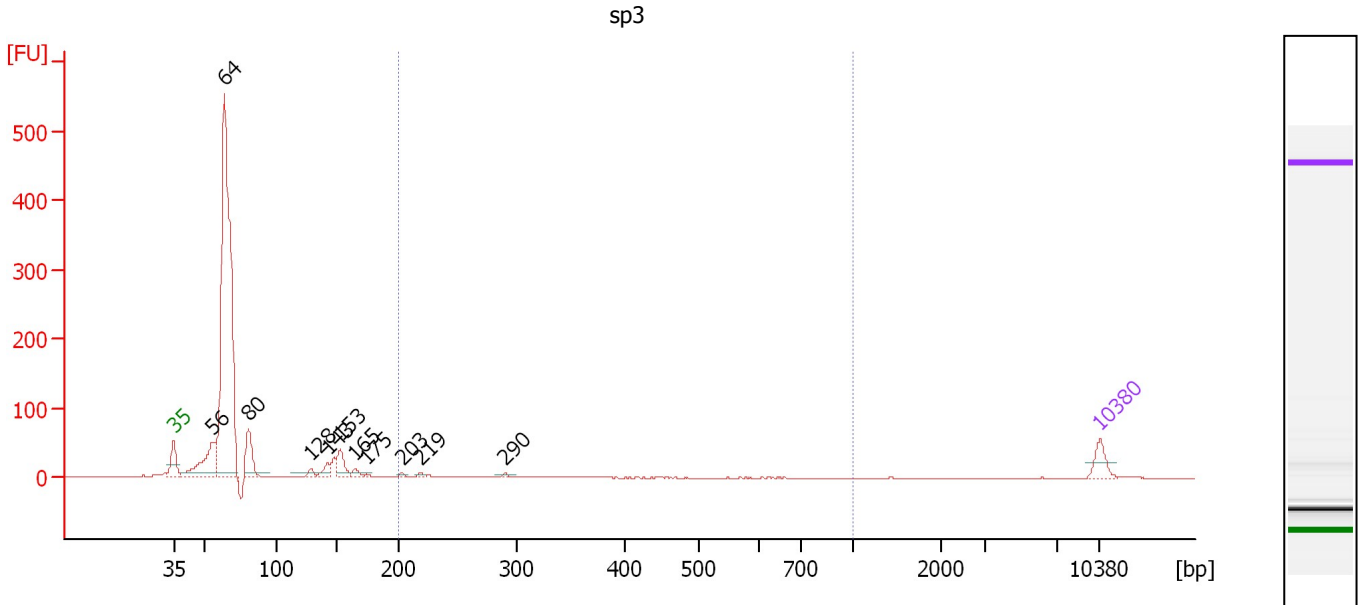
Region table for sample 1 : sp1

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	268	34.0	559.2	93.16	2	24.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-10\2017-05-10_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : sp3

Number of peaks found: 11 Corr. Area 1: 21.8
 Noise: 0.1

Peak table for sample 2 : sp3

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	56	458.38	12,419.8		45.99
3	64	2,941.90	69,870.1		46.83
4	80	245.72	4,626.4		48.63
5	128	42.98	508.7		53.31
6	143	65.45	695.4		54.65
7	153	138.84	1,376.0		55.60
8	165	41.76	384.0		56.69
9	175	12.33	107.0		57.59
10	203	15.99	119.2		60.23
11	219	13.87	95.9		61.67
12	290	12.68	66.3		68.04
13	10,380	75.00	10.9	Upper Marker	113.00

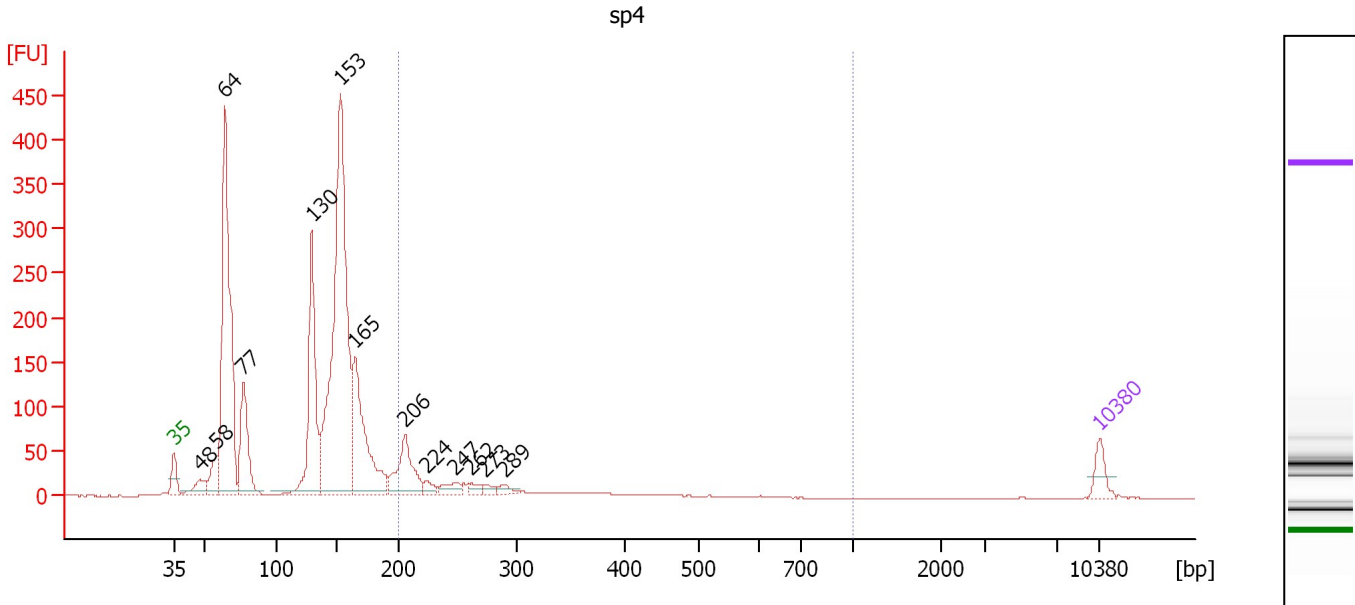
Region table for sample 2 : sp3

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	264	21.8	359.1	58.14	2	36.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-10\2017-05-10_001.xad

Created: 5/10/2017 12:05:33 PM
 Modified: 5/10/2017 12:39:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : sp4

Number of peaks found: 13 Corr. Area 1: 336.8
 Noise: 0.2

Peak table for sample 3 : sp4

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	131.34	4,173.1		44.99
3	58	161.79	4,260.4		46.16
4	64	1,816.57	42,886.1		46.87
5	77	494.32	9,728.5		48.25
6	130	861.53	10,071.8		53.45
7	153	2,533.70	25,115.8		55.59
8	165	775.39	7,119.1		56.71
9	206	354.21	2,603.9		60.49
10	224	47.15	318.7		62.12
11	247	70.29	430.5		64.21
12	262	41.26	239.1		65.48
13	273	29.92	166.2		66.50
14	289	38.94	204.0		67.98
15	10,380	75.00	10.9	Upper Marker	113.00

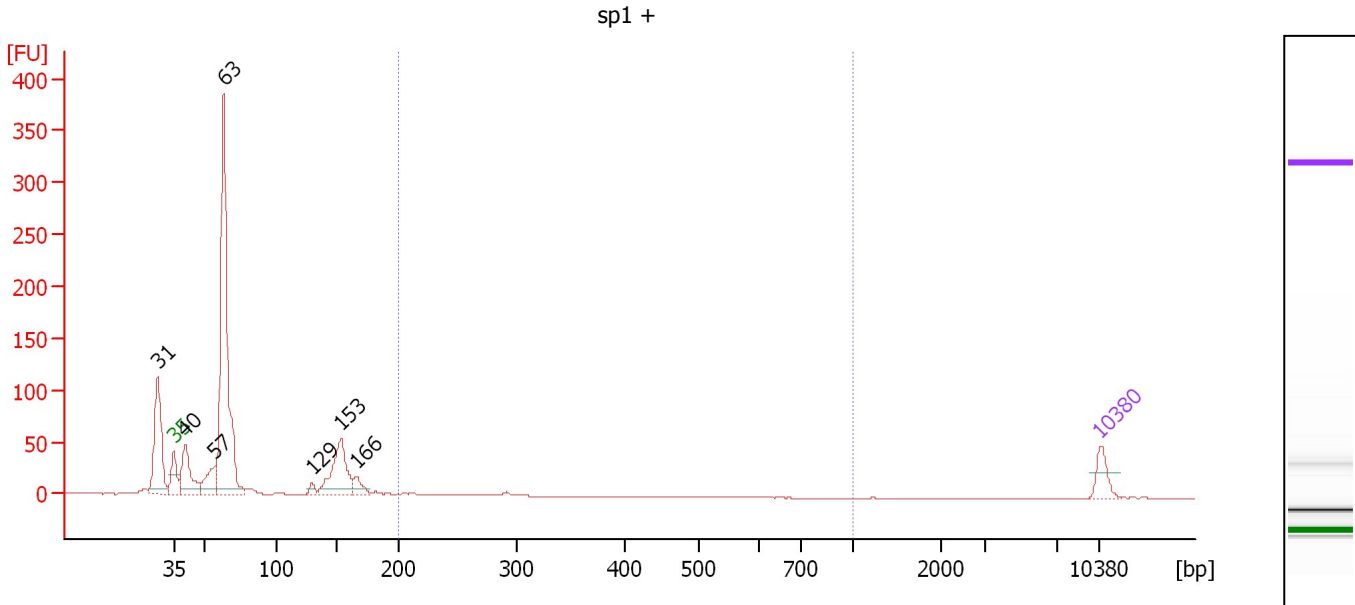
Region table for sample 3 : sp4

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	271	336.8	4,637.8	773.37	12	28.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-10\2017-05-10_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : sp1 +

Number of peaks found: 7 Corr. Area 1: 5.3
 Noise: 0.1

Peak table for sample 4 : sp1 +

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.79
2	35	125.00	5,411.3	Lower Marker	43.00
3	40	313.62	11,776.9		43.84
4	57	177.54	4,728.6		46.09
5	63	1,757.18	42,108.4		46.77
6	129	36.27	424.9		53.43
7	153	404.53	4,000.2		55.63
8	166	74.81	683.9		56.78
9	10,380	75.00	10.9	Upper Marker	113.00

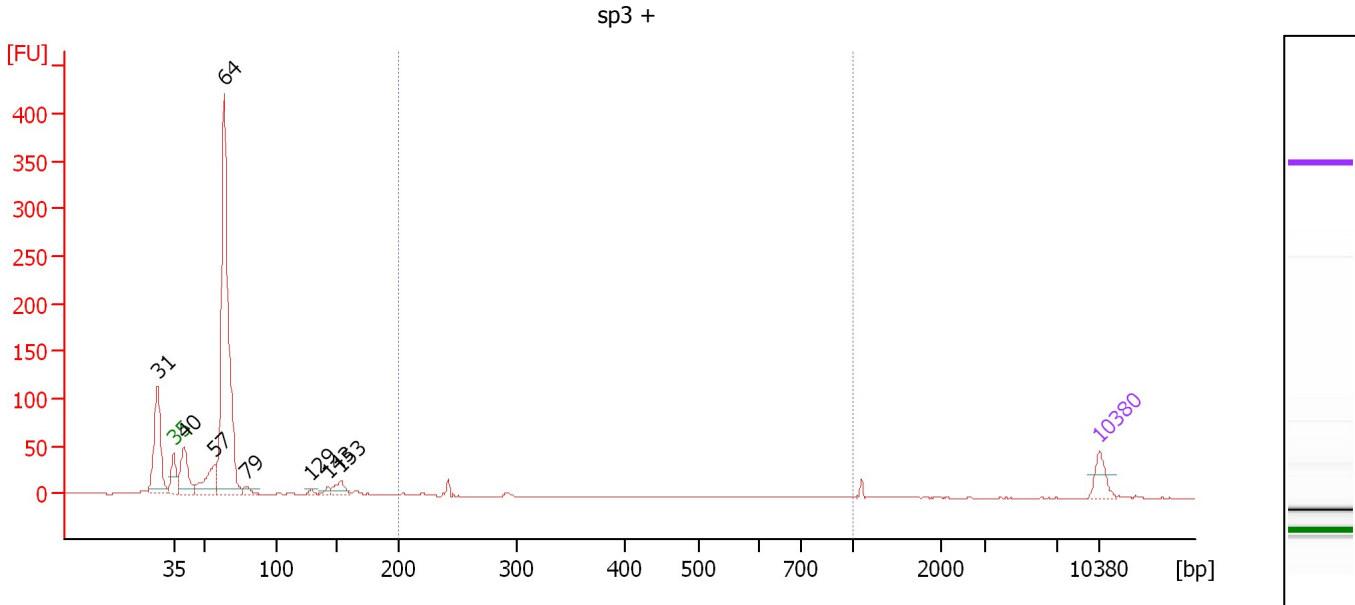
Region table for sample 4 : sp1 +

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	244	5.3	98.4	15.84	1	16.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-10\2017-05-10_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : sp3 +

Number of peaks found: 8 Corr. Area 1: 8.6
 Noise: 0.1

Peak table for sample 5 : sp3 +

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.78
2	35	125.00	5,411.3	Lower Marker	43.00
3	40	312.03	11,893.4		43.74
4	57	262.80	7,006.3		46.09
5	64	2,103.11	49,976.4		46.83
6	79	40.59	777.4		48.48
7	129	18.22	214.4		53.37
8	143	27.17	288.6		54.65
9	153	85.28	844.5		55.61
10	10,380	75.00	10.9	Upper Marker	113.00

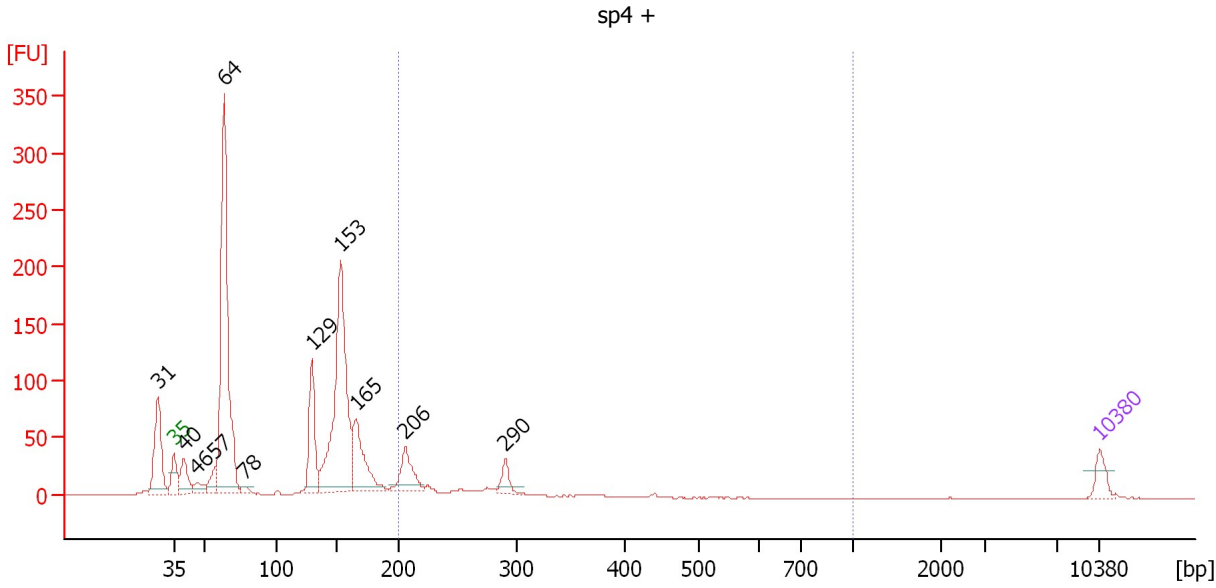
Region table for sample 5 : sp3 +

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	246	8.6	171.6	27.86	1	9.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-10\2017-05-10_001.xad

Created: 5/10/2017 12:05:33 PM
 Modified: 5/10/2017 12:39:19 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : sp4 +

Number of peaks found: 11 Corr. Area 1: 152.6
 Noise: 0.1

Peak table for sample 6 : sp4 +

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.77
2	35	125.00	5,411.3	Lower Marker	43.00
3	40	207.54	7,902.6		43.75
4	46	81.17	2,656.5		44.77
5	57	118.35	3,141.8		46.11
6	64	1,880.45	44,825.1		46.81
7	78	37.09	724.7		48.31
8	129	439.21	5,154.3		53.41
9	153	1,521.62	15,070.0		55.61
10	165	465.54	4,269.4		56.73
11	206	249.18	1,831.8		60.49
12	290	95.32	498.1		68.05
13	10,380	75.00	10.9	Upper Marker	113.00

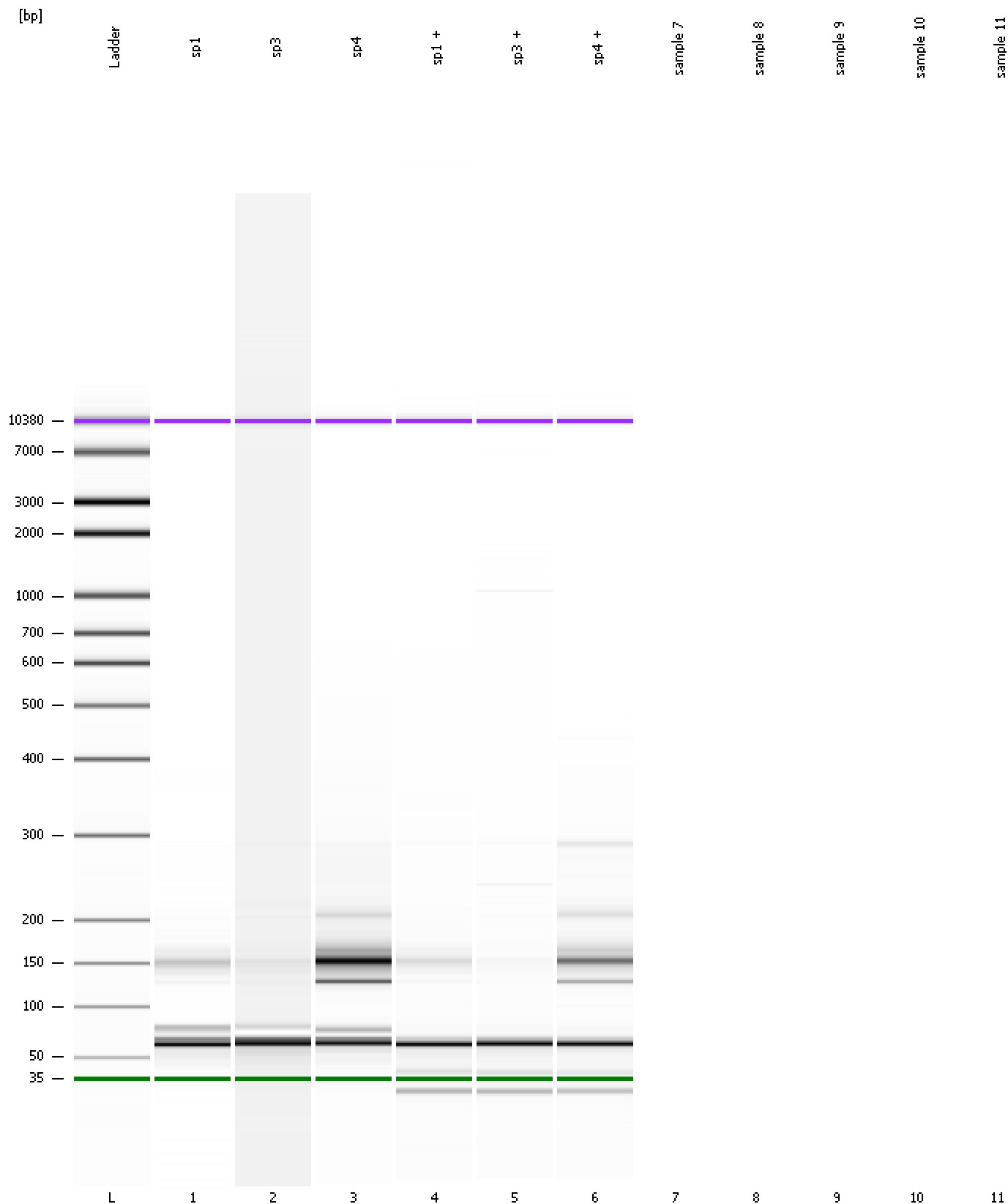
Region table for sample 6 : sp4 +

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	246	152.6	3,480.0	558.93	11	17.2

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-10\2017-05-10_001.xad

Created: 5/10/2017 12:05:33 PM
Modified: 5/10/2017 12:39:19 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-10\2017-05-10_001.xad

Created: 5/10/2017 12:05:33 PM
Modified: 5/10/2017 12:39:19 PM

Invalid Samples

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.