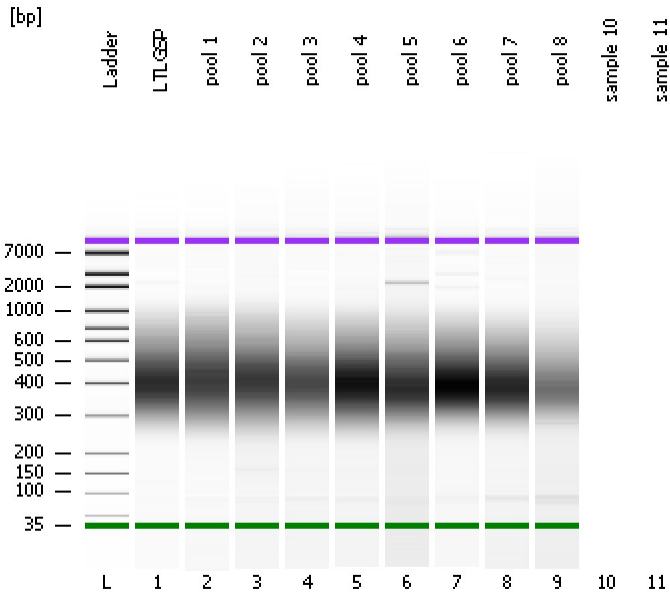


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-13\2017-12-13_003.xad

Created: 12/13/2017 9:39:00 AM
Modified: 12/13/2017 10:14:30 AM

Electrophoresis File Run Summary



Instrument Information:

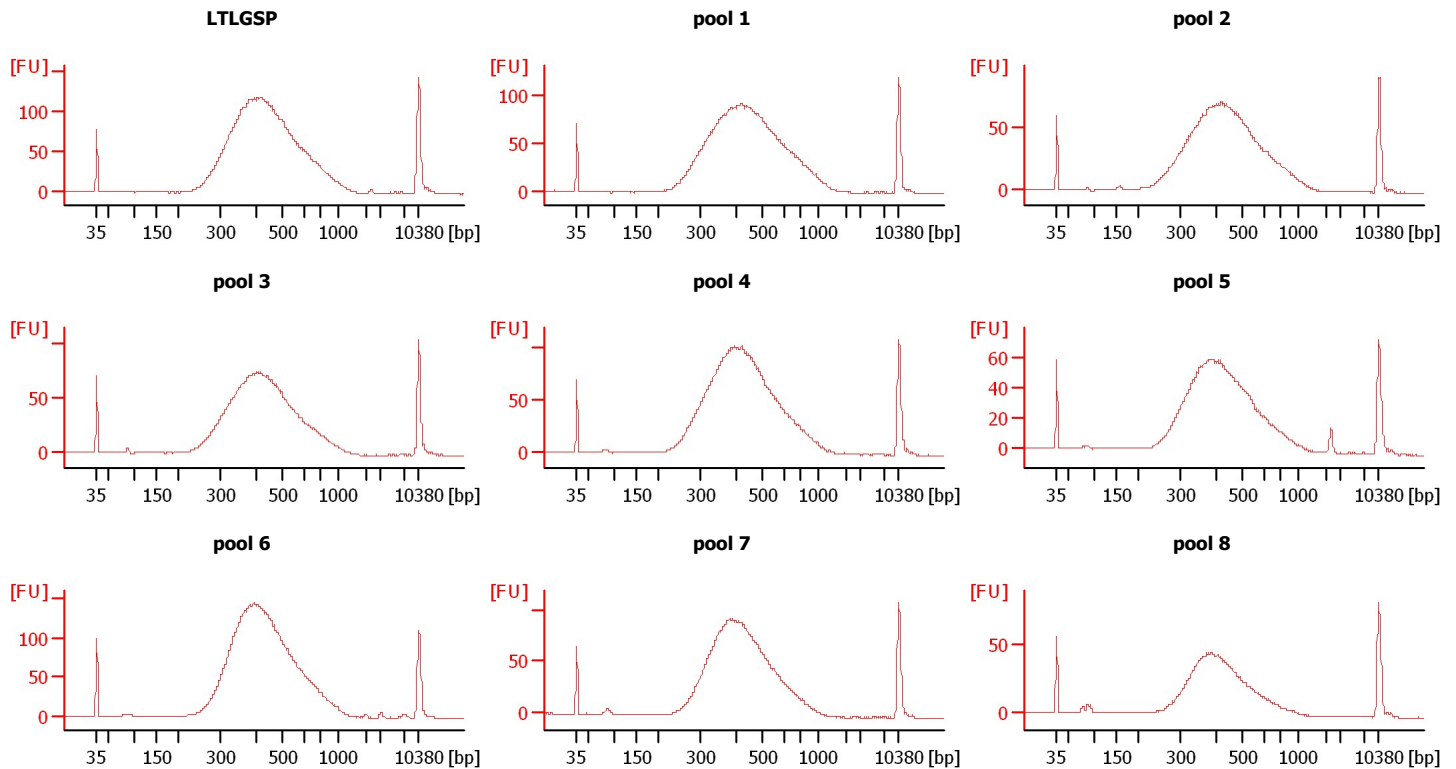
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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_003.xad

Created: 12/13/2017 9:39:00 AM
 Modified: 12/13/2017 10:14:30 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
LTLGSP		<input type="checkbox"/>	✓			
pool 1		<input type="checkbox"/>	✓			
pool 2		<input type="checkbox"/>	✓			
pool 3		<input type="checkbox"/>	✓			
pool 4		<input type="checkbox"/>	✓			
pool 5		<input type="checkbox"/>	✓			
pool 6		<input type="checkbox"/>	✓			
pool 7		<input type="checkbox"/>	✓			
pool 8		<input type="checkbox"/>	✓			
sample 10		<input type="checkbox"/>				
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

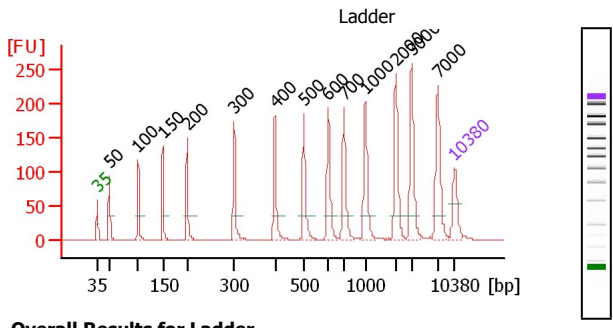
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-13\2017-12-13_003.xad

Created: 12/13/2017 9:39:00 AM
 Modified: 12/13/2017 10:14:30 AM

Electropherogram Summary



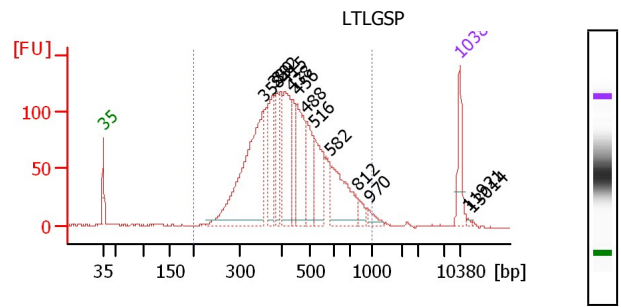
Peak table for Ladder

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	45.37
3	100	150.00	2,272.7	Ladder Peak	51.04
4	150	150.00	1,515.2	Ladder Peak	55.88
5	200	150.00	1,136.4	Ladder Peak	60.63
6	300	150.00	757.6	Ladder Peak	69.89
7	400	150.00	568.2	Ladder Peak	77.84
8	500	150.00	454.5	Ladder Peak	83.55
9	600	150.00	378.8	Ladder Peak	88.30
10	700	150.00	324.7	Ladder Peak	91.40
11	1,000	150.00	227.3	Ladder Peak	95.56
12	2,000	150.00	113.6	Ladder Peak	101.58
13	3,000	150.00	75.8	Ladder Peak	104.64

Overall Results for Ladder

Noise: 0.1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
14	7,000	150.00	32.5	Ladder Peak	109.89
15	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 1 : LTLGSP

Number of peaks found: 13
 Noise: 0.2
 Corr. Area 1: 2,651.1

Region table for sample 1 : LTLGSP

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	% of Total in CV [%]
200	1,000	451	2,651.1	2,327.9	8,633.2	28.8

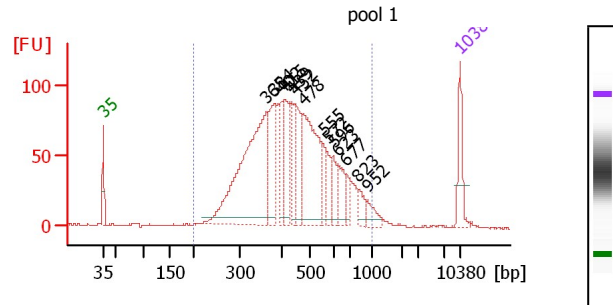
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-13\2017-12-13_003.xad

Created: 12/13/2017 9:39:00 AM
 Modified: 12/13/2017 10:14:30 AM

Electropherogram Summary Continued ...

Peak table for sample 1 : LTLGSP

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	358	595.70	2,520.9		74.51
3	380	165.82	660.4		76.29
4	392	94.62	365.8		77.20
5	415	224.85	820.5		78.71
6	438	118.56	409.7		80.03
7	456	211.68	703.3		81.04
8	488	133.25	413.7		82.86
9	516	162.36	476.4		84.32
10	582	209.23	545.0		87.43
11	812	27.08	50.5		92.95
12	970	22.03	34.4		95.15
13	10,380	75.00	10.9	Upper Marker	113.00
14	11,921	0.00	0.0		114.42
15	13,014	0.00	0.0		115.42



Overall Results for sample 2 : pool 1

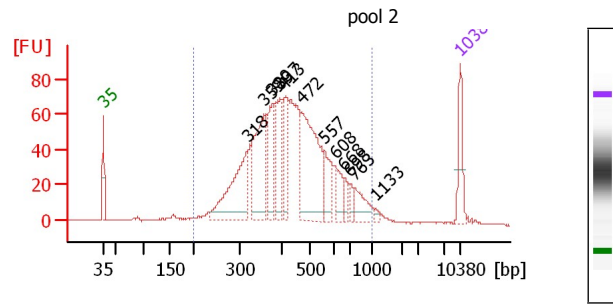
Number of peaks found: 14
 Noise: 0.3
 Corr. Area 1: 2,252.8

Region table for sample 2 : pool 1

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	% of Size distribution Total in CV [%]
200	1,000	458	2,252.8	2,332.6	8,663.7	30.7

Peak table for sample 2 : pool 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	365	687.87	2,857.0		75.04
3	384	191.04	753.0		76.60
4	402	88.20	332.1		77.98
5	415	143.63	524.1		78.71
6	439	74.28	256.6		80.04
7	452	154.93	519.1		80.82
8	478	342.16	1,084.8		82.29
9	555	57.06	155.9		86.14
10	572	61.34	162.5		86.96
11	596	51.83	131.8		88.11
12	623	67.99	165.2		89.02
13	677	25.17	56.4		90.68
14	823	37.34	68.8		93.10
15	952	35.19	56.0		94.89
16	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 3 : pool 2

Number of peaks found: 12
 Noise: 0.3
 Corr. Area 1: 1,673.6

Region table for sample 3 : pool 2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	% of Size distribution Total in CV [%]
200	1,000	451	1,673.6	2,347.7	8,833.6	30.4

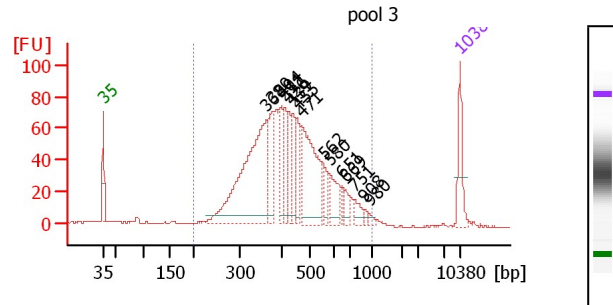
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-13\2017-12-13_003.xad

Created: 12/13/2017 9:39:00 AM
 Modified: 12/13/2017 10:14:30 AM

Electropherogram Summary Continued ...

Peak table for sample 3 : pool 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	318	321.56	1,530.4		71.35
3	359	293.88	1,239.3		74.61
4	380	153.09	610.8		76.23
5	397	110.83	422.6		77.63
6	413	99.67	366.0		78.56
7	472	399.23	1,281.5		81.95
8	557	95.71	260.2		86.27
9	608	68.06	169.5		88.55
10	668	33.15	75.2		90.41
11	698	22.80	49.5		91.34
12	763	73.71	146.4		92.27
13	1,133	8.07	10.8		96.36
14	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 4 : pool 3

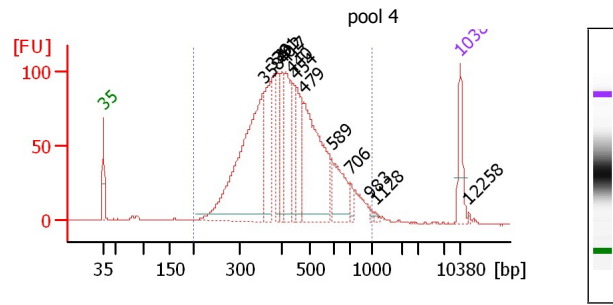
Number of peaks found: 15
 Noise: 0.3
 Corr. Area 1: 1,655.3

Region table for sample 4 : pool 3

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	% of Size distribution Total in CV [%]
200	1,000	444	1,655.3	2,132.4	8,045.4	95
			3	5		28.9

Peak table for sample 4 : pool 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	365	635.86	2,640.8		75.05
3	380	125.75	501.8		76.23
4	404	75.75	284.1		78.07
5	411	80.27	296.2		78.45
6	426	82.40	292.8		79.35
7	439	104.95	362.4		80.06
8	455	93.68	311.7		81.00
9	471	320.02	1,029.2		81.90
10	562	39.14	105.6		86.48
11	580	89.71	234.4		87.33
12	651	23.65	55.0		89.89
13	669	23.66	53.6		90.45
14	751	36.74	74.1		92.11
15	908	9.32	15.6		94.28
16	980	10.00	15.5		95.28
17	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 5 : pool 4

Number of peaks found: 13
 Noise: 0.3
 Corr. Area 1: 2,273.0

Region table for sample 5 : pool 4

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	% of Size distribution Total in CV [%]
200	1,000	442	2,273.0	2,512.2	9,549.6	97
			0	8		29.1

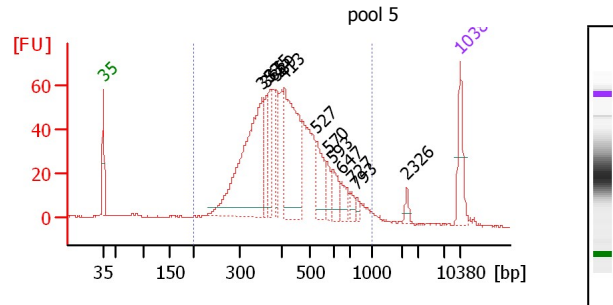
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Created: 12/13/2017 9:39:00 AM
 Modified: 12/13/2017 10:14:30 AM

Electropherogram Summary Continued ...

Peak table for sample 5 : pool 4

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	358	722.03	3,053.3		74.53
3	379	225.67	902.7		76.16
4	391	111.67	432.2		77.16
5	402	109.31	412.4		77.93
6	417	211.24	768.2		78.79
7	440	86.02	296.1		80.13
8	454	158.57	528.7		80.95
9	479	452.93	1,433.4		82.34
10	589	140.79	361.9		87.80
11	706	21.63	46.4		91.49
12	983	7.71	11.9		95.32
13	1,128	5.70	7.7		96.33
14	10,380	75.00	10.9	Upper Marker	113.00
15	12,258	0.00	0.0		114.72



Overall Results for sample 6 : pool 5

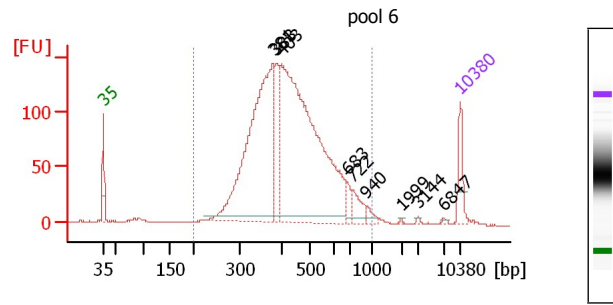
Number of peaks found: 12
 Noise: 0.2
 Corr. Area 1: 1,347.7

Region table for sample 6 : pool 5

From [bp]	To [bp]	Average Size [bp]	Corr. Area [pg/μl]	Conc. [pg/μl]	Molarity [pmol/l]	% of Size distribution Total in CV [%]
200	1,000	438	1,347.7	1,992.3	7,623.9	93
7	1					29.0

Peak table for sample 6 : pool 5

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	353	520.90	2,235.4		74.11
3	365	98.11	407.1		75.07
4	375	95.31	385.3		75.84
5	389	76.38	297.7		76.94
6	413	354.73	1,301.7		78.58
7	527	102.54	295.0		84.82
8	570	42.71	113.5		86.88
9	593	54.46	139.0		87.99
10	647	37.49	87.8		89.76
11	727	19.24	40.1		91.78
12	793	12.84	24.5		92.69
13	2,326	13.51	8.8		102.58
14	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 7 : pool 6

Number of peaks found: 9
 Noise: 0.2
 Corr. Area 1: 2,981.1

Region table for sample 7 : pool 6

From [bp]	To [bp]	Average Size [bp]	Corr. Area [pg/μl]	Conc. [pg/μl]	Molarity [pmol/l]	% of Size distribution Total in CV [%]
200	1,000	445	2,981.1	3,131.0	11,656.8	97
1	7					27.7

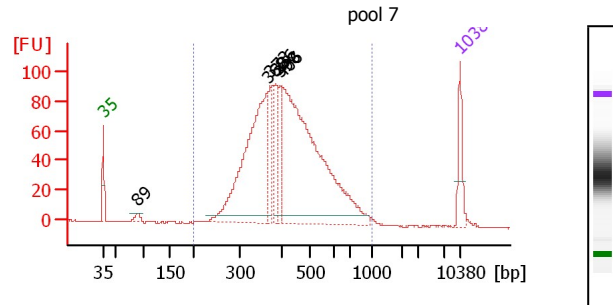
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-13\2017-12-13_003.xad

Created: 12/13/2017 9:39:00 AM
 Modified: 12/13/2017 10:14:30 AM

Electropherogram Summary Continued ...

Peak table for sample 7 : pool 6

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	381	1,149.68	4,576.9		76.30
3	388	223.59	873.2		76.88
4	403	1,584.00	5,958.3		78.00
5	683	32.91	73.0		90.88
6	722	72.45	152.0		91.71
7	940	23.50	37.9		94.72
8	1,999	3.42	2.6		101.58
9	3,144	3.99	1.9		104.83
10	6,847	4.85	1.1		109.69
11	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 8 : pool 7

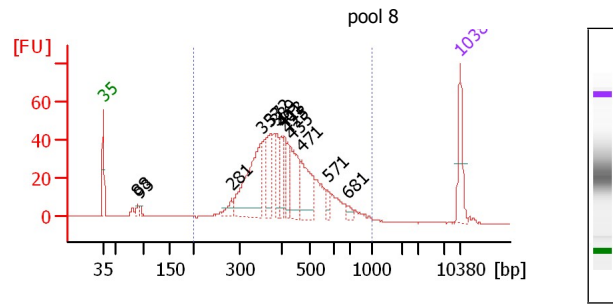
Number of peaks found: 6
 Noise: 0.2
 Corr. Area 1: 1,895.5

Region table for sample 8 : pool 7

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	% of Total in CV [%]
200	1,000	436	1,895.5	2,304.9	8,723.4	26.7

Peak table for sample 8 : pool 7

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	89	24.72	422.6		49.75
3	368	737.20	3,036.6		75.29
4	373	94.48	383.4		75.73
5	386	115.42	452.7		76.75
6	398	90.86	345.9		77.68
7	406	1,168.05	4,361.2		78.17
8	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 9 : pool 8

Number of peaks found: 13
 Noise: 0.2
 Corr. Area 1: 868.2

Region table for sample 9 : pool 8

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	% of Total in CV [%]
200	1,000	430	868.2	1,286.6	4,929.5	26.7

Peak table for sample 9 : pool 8

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	88	16.35	281.2		49.69
3	93	9.59	156.5		50.23
4	281	27.48	148.3		68.11

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-13\2017-12-13_003.xad

Created: 12/13/2017 9:39:00 AM
Modified: 12/13/2017 10:14:30 AM

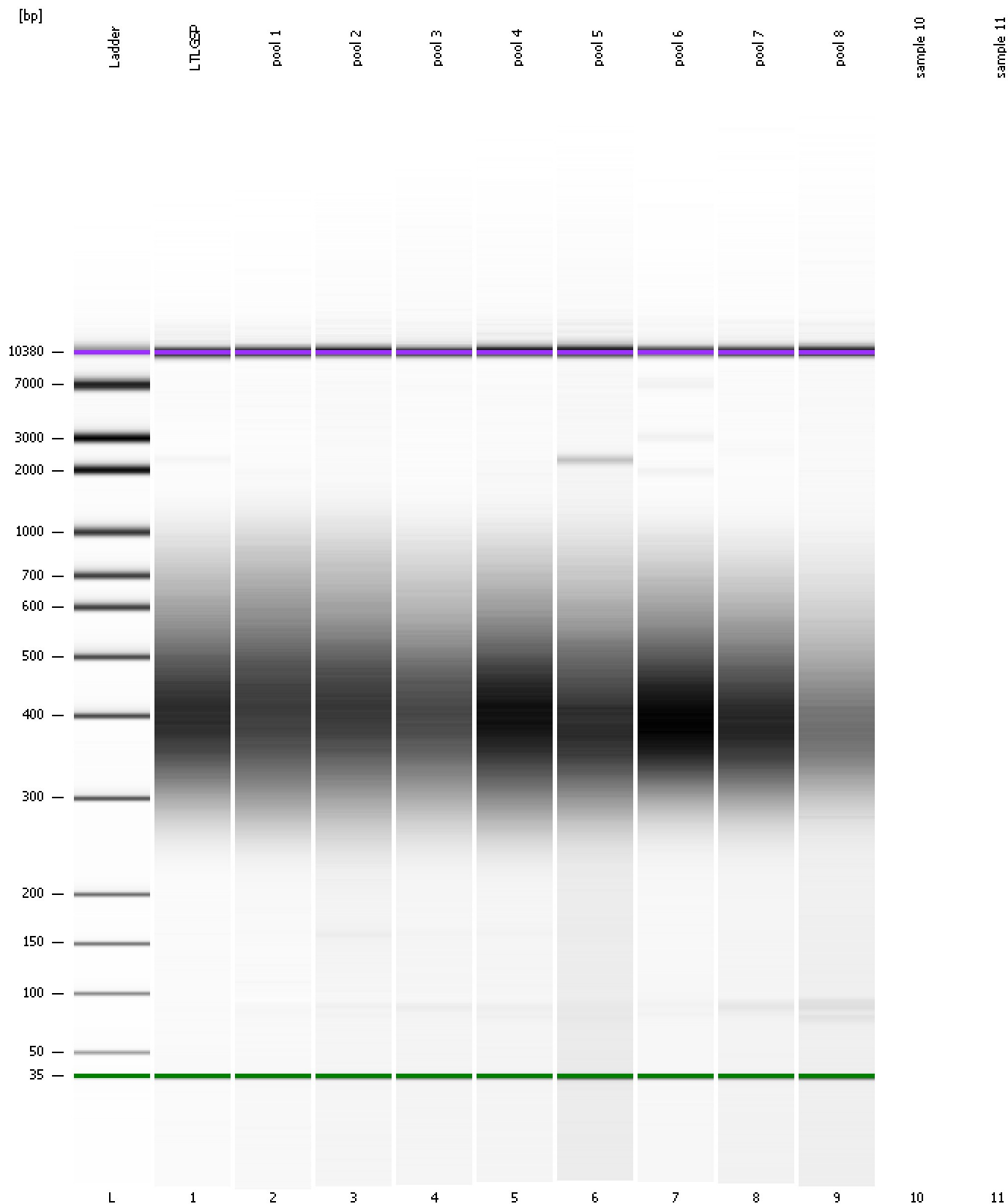
Gel Image

5 353 285.76 1,226.1 74.12

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-13\2017-12-13_003.xad

Created: 12/13/2017 9:39:00 AM
Modified: 12/13/2017 10:14:30 AM

Invalid Samples



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-13\2017-12-13_003.xad

Created: 12/13/2017 9:39:00 AM
Modified: 12/13/2017 10:14:30 AM

Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.