

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-17\2017-04-17_001.xad

Created: 4/17/2017 10:21:28 AM
Modified: 4/17/2017 10:51:20 AM

Electrophoresis File Run Summary

Instrument Information:

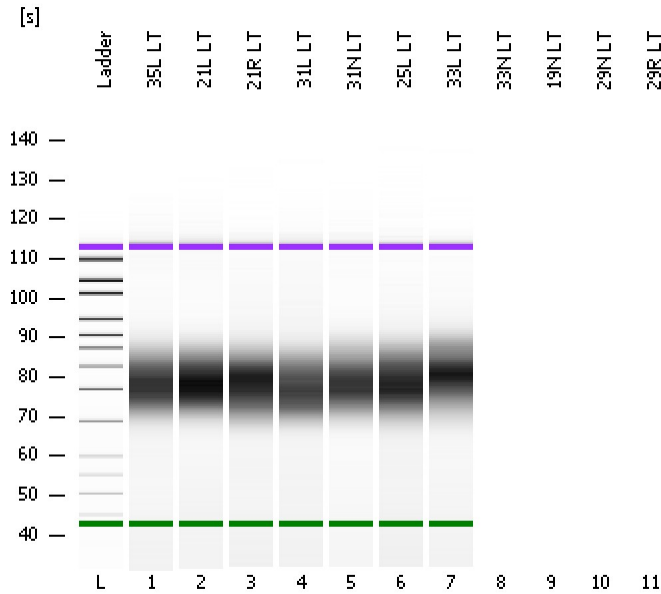
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:

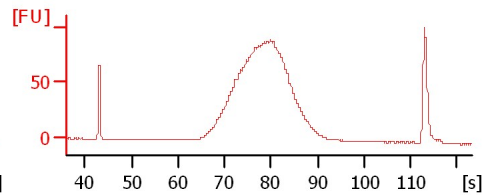
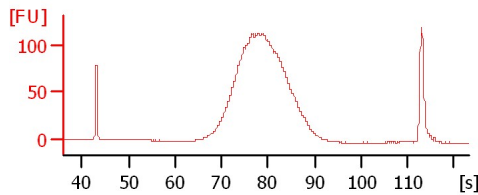
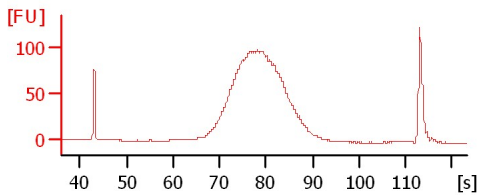
Chip Lot #:
Reagent Kit Lot #:
Chip Comments:



35L LT

21L LT

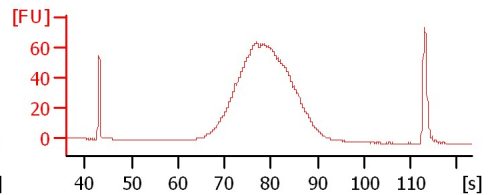
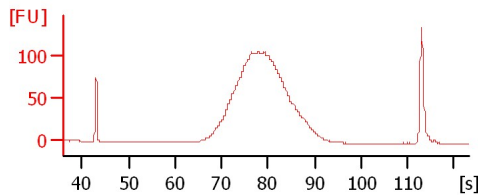
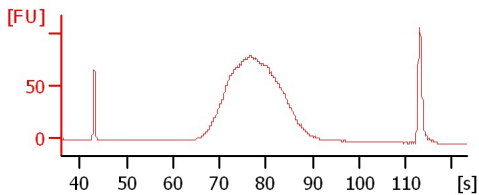
21R LT



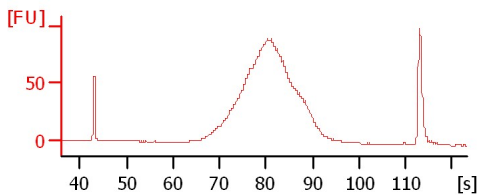
31L LT

31N LT

25L LT



33L LT



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-17\2017-04-17_001.xad

Created: 4/17/2017 10:21:28 AM
 Modified: 4/17/2017 10:51:20 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
35L LT		<input type="checkbox"/>				
21L LT		<input type="checkbox"/>		✓		
21R LT		<input type="checkbox"/>		✓		
31L LT		<input type="checkbox"/>		✓		
31N LT		<input type="checkbox"/>		✓		
25L LT		<input type="checkbox"/>		✓		
33L LT		<input type="checkbox"/>		✓		
33N LT		<input type="checkbox"/>				
19N LT		<input type="checkbox"/>				
29N LT		<input type="checkbox"/>				
29R LT		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>		✓		

Chip Lot #

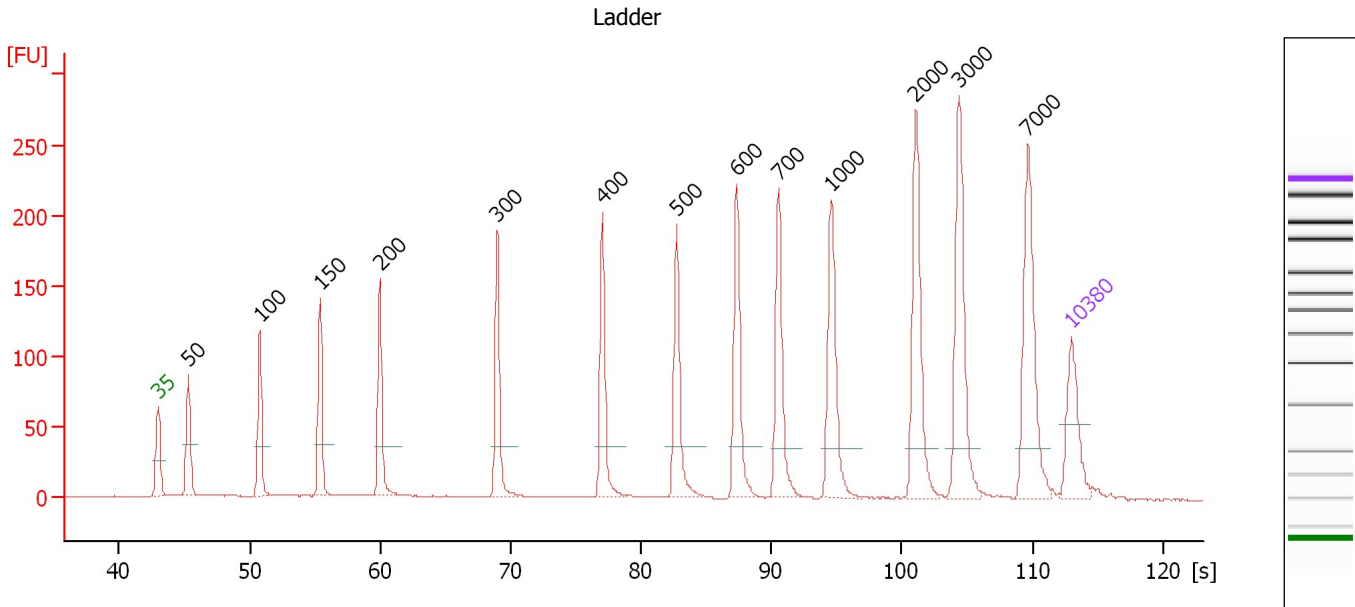
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-17\2017-04-17_001.xad

Created: 4/17/2017 10:21:28 AM
 Modified: 4/17/2017 10:51:20 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

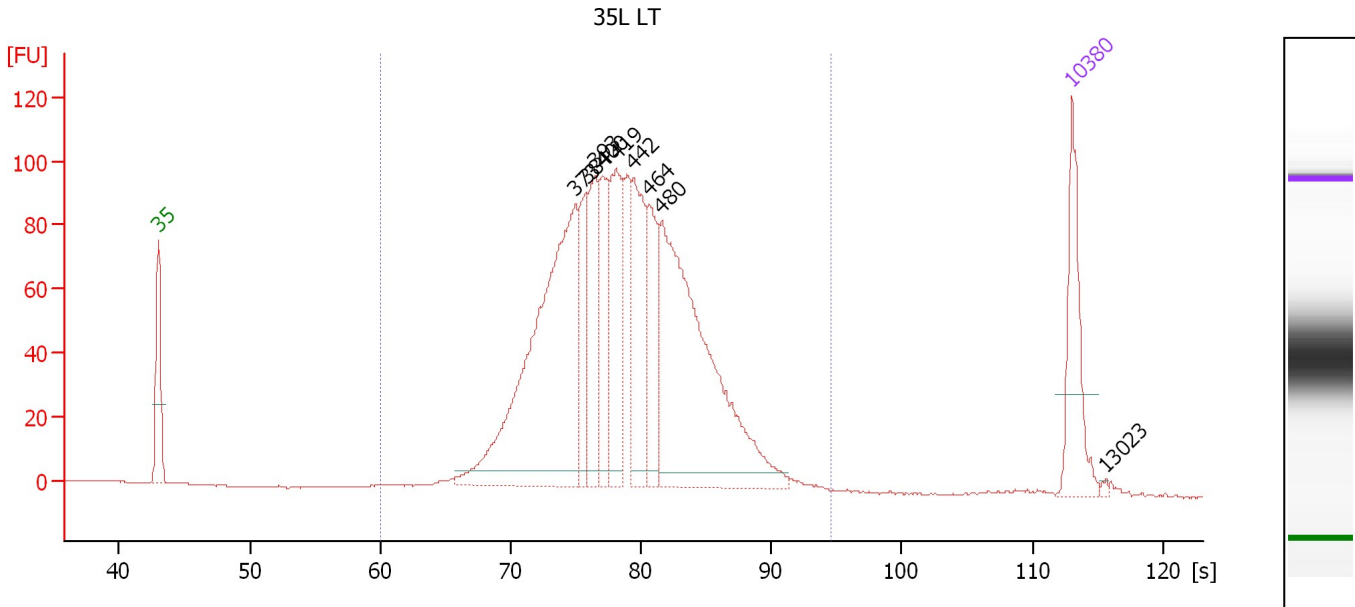
Peak table for Ladder

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	45.30
3	100	150.00	2,272.7	Ladder Peak	50.79
4	150	150.00	1,515.2	Ladder Peak	55.43
5	200	150.00	1,136.4	Ladder Peak	59.98
6	300	150.00	757.6	Ladder Peak	68.99
7	400	150.00	568.2	Ladder Peak	77.05
8	500	150.00	454.5	Ladder Peak	82.73
9	600	150.00	378.8	Ladder Peak	87.37
10	700	150.00	324.7	Ladder Peak	90.57
11	1,000	150.00	227.3	Ladder Peak	94.62
12	2,000	150.00	113.6	Ladder Peak	101.06
13	3,000	150.00	75.8	Ladder Peak	104.40
14	7,000	150.00	32.5	Ladder Peak	109.67
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-17\2017-04-17_001.xad

Created: 4/17/2017 10:21:28 AM
 Modified: 4/17/2017 10:51:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 35L LT

Number of peaks found: 9 Corr. Area 1: 1,738.1
 Noise: 0.2

Peak table for sample 1 : 35L LT

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	373	451.49	1,831.7		74.91
3	384	78.72	310.4		75.78
4	393	103.28	398.4		76.47
5	400	86.92	329.6		77.02
6	419	129.68	469.3		78.11
7	442	135.59	464.7		79.44
8	464	91.62	299.3		80.67
9	480	416.50	1,315.0		81.59
10	10,380	75.00	10.9	Upper Marker	113.00
11	13,023	0.00	0.0		115.61

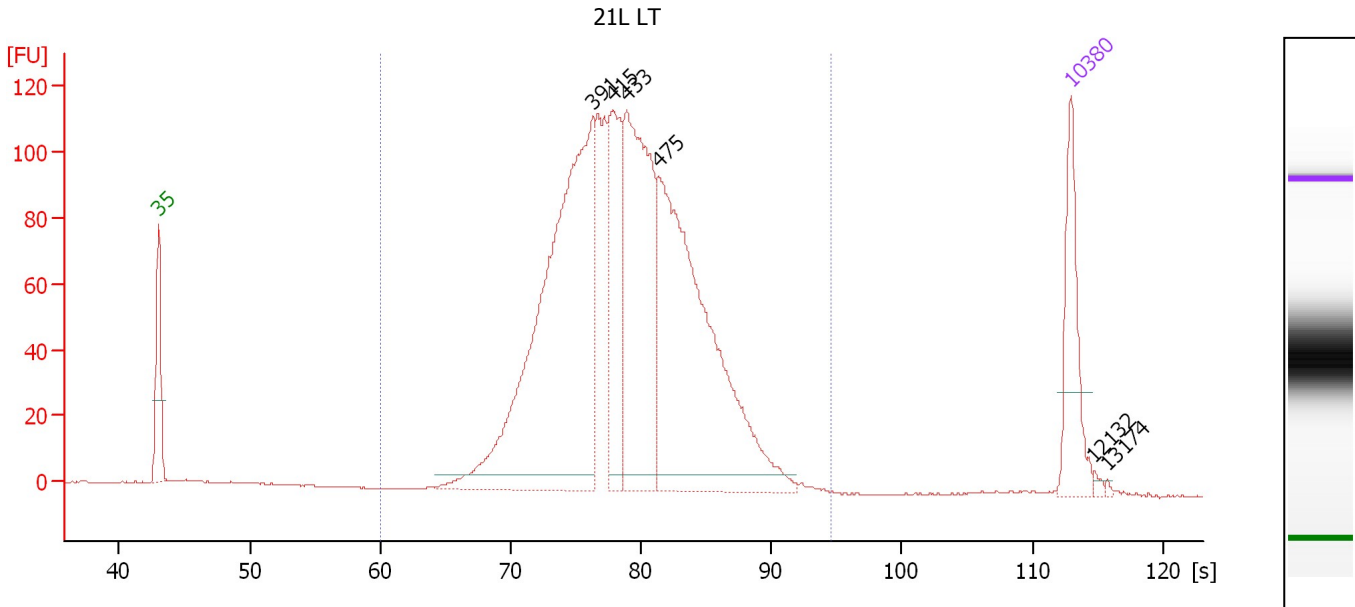
Region table for sample 1 : 35L LT

From [s]	To [s]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
59.98	94.62	436	1,738.1	5,920.8	1,619.17	99	20.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-17\2017-04-17_001.xad

Created: 4/17/2017 10:21:28 AM
 Modified: 4/17/2017 10:51:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 21L LT

Number of peaks found: 6 Corr. Area 1: 1,918.4
 Noise: 0.2

Peak table for sample 2 : 21L LT

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	391	618.30	2,398.4		76.30
3	415	158.13	577.9		77.88
4	433	320.71	1,123.0		78.91
5	475	510.33	1,626.2		81.34
6	10,380	75.00	10.9	Upper Marker	113.00
7	12,132	0.00	0.0		114.73
8	13,174	0.00	0.0		115.76

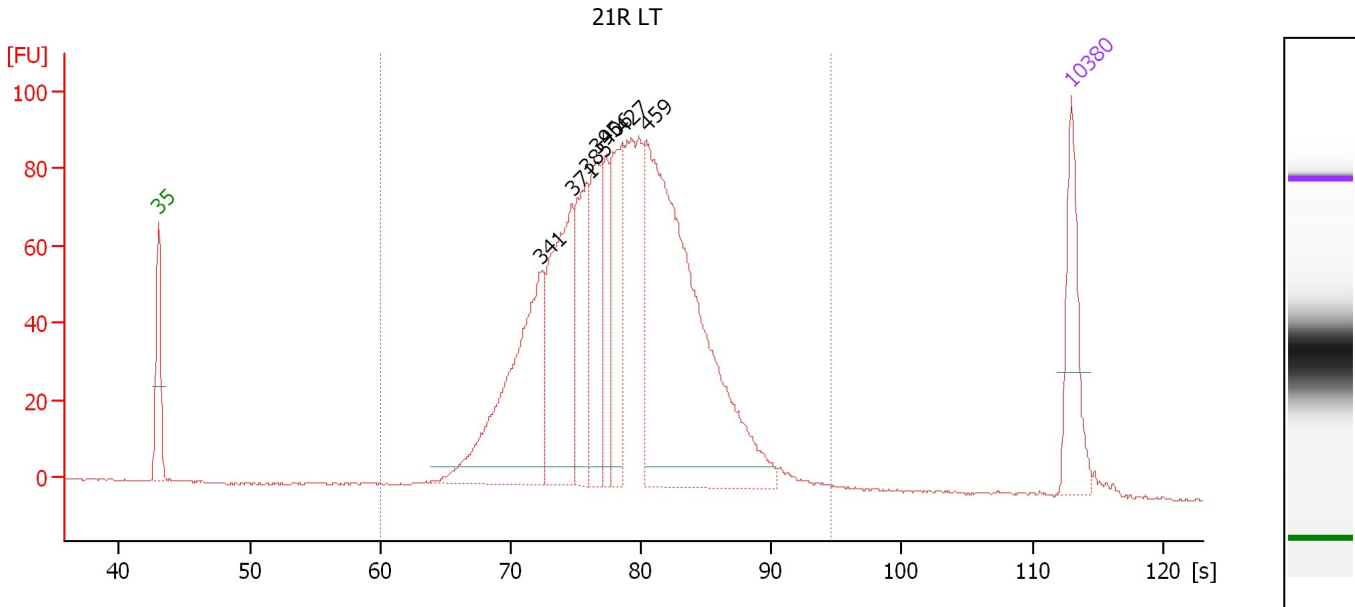
Region table for sample 2 : 21L LT

From [s]	To [s]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
59.98	94.62	439	1,918.4	6,346.1	1,754.06	98	19.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-17\2017-04-17_001.xad

Created: 4/17/2017 10:21:28 AM
 Modified: 4/17/2017 10:51:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 21R LT

Number of peaks found: 7 Corr. Area 1: 1,590.5
 Noise: 0.3

Peak table for sample 3 : 21R LT

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	341	298.39	1,326.4		72.29
3	371	229.32	936.6		74.71
4	385	126.07	496.7		75.81
5	395	116.43	446.4		76.67
6	406	76.37	285.2		77.38
7	427	124.67	442.6		78.57
8	459	598.80	1,978.3		80.38
9	10,380	75.00	10.9	Upper Marker	113.00

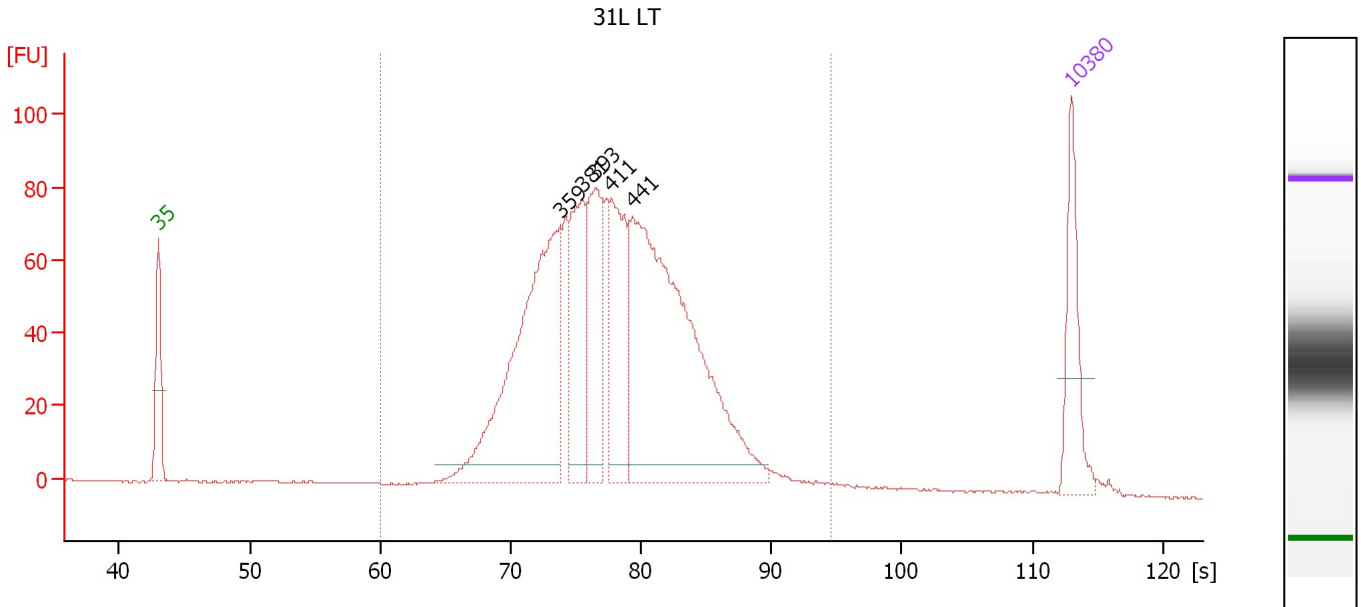
Region table for sample 3 : 21R LT

From [s]	To [s]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
59.98	94.62	434	1,590.5	6,596.9	1,788.35	99	20.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-17\2017-04-17_001.xad

Created: 4/17/2017 10:21:28 AM
 Modified: 4/17/2017 10:51:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 31L LT

Number of peaks found: 5 Corr. Area 1: 1,479.7
 Noise: 0.2

Peak table for sample 4 : 31L LT

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	359	440.02	1,854.6		73.79
3	381	156.71	623.8		75.49
4	393	147.78	569.3		76.51
5	411	157.01	578.7		77.68
6	441	576.05	1,978.6		79.39
7	10,380	75.00	10.9	Upper Marker	113.00

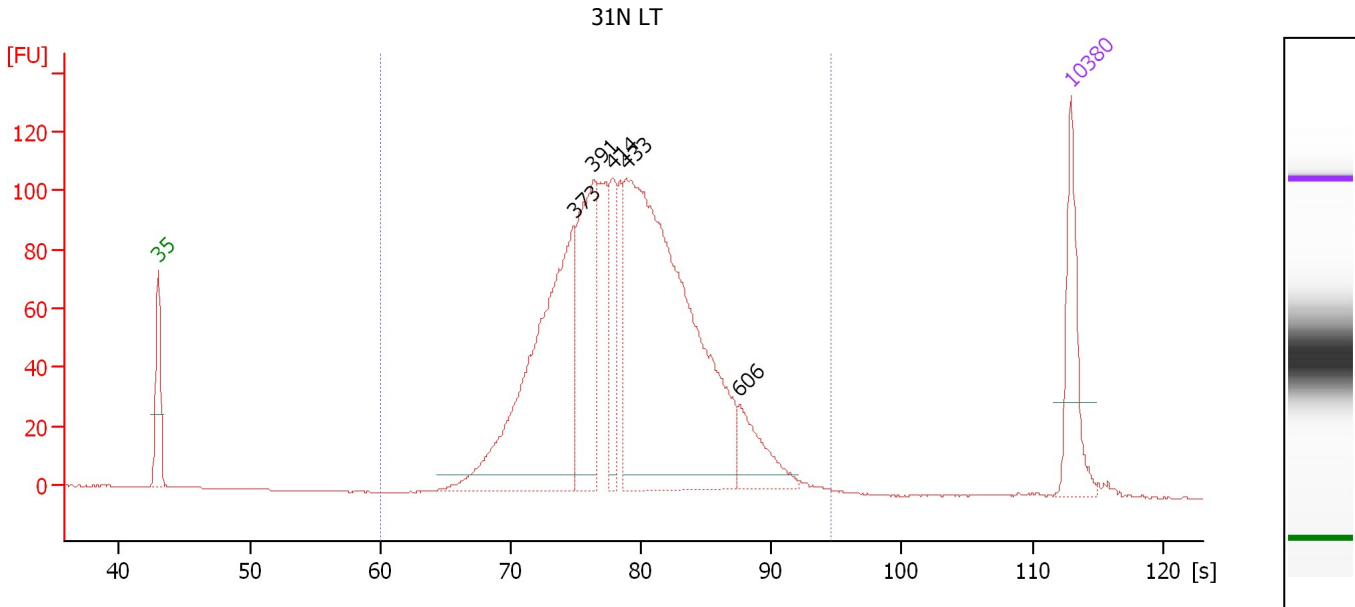
Region table for sample 4 : 31L LT

From [s]	To [s]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
59.98	94.62	424	1,479.7	6,303.1	1,670.26	98	21.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-17\2017-04-17_001.xad

Created: 4/17/2017 10:21:28 AM
 Modified: 4/17/2017 10:51:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 31N LT

Number of peaks found: 5 Corr. Area 1: 1,811.8
 Noise: 0.1

Peak table for sample 5 : 31N LT

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	373	432.83	1,759.0		74.86
3	391	210.40	814.9		76.35
4	414	80.65	295.4		77.83
5	433	723.47	2,532.9		78.91
6	606	64.75	161.9		87.56
7	10,380	75.00	10.9	Upper Marker	113.00

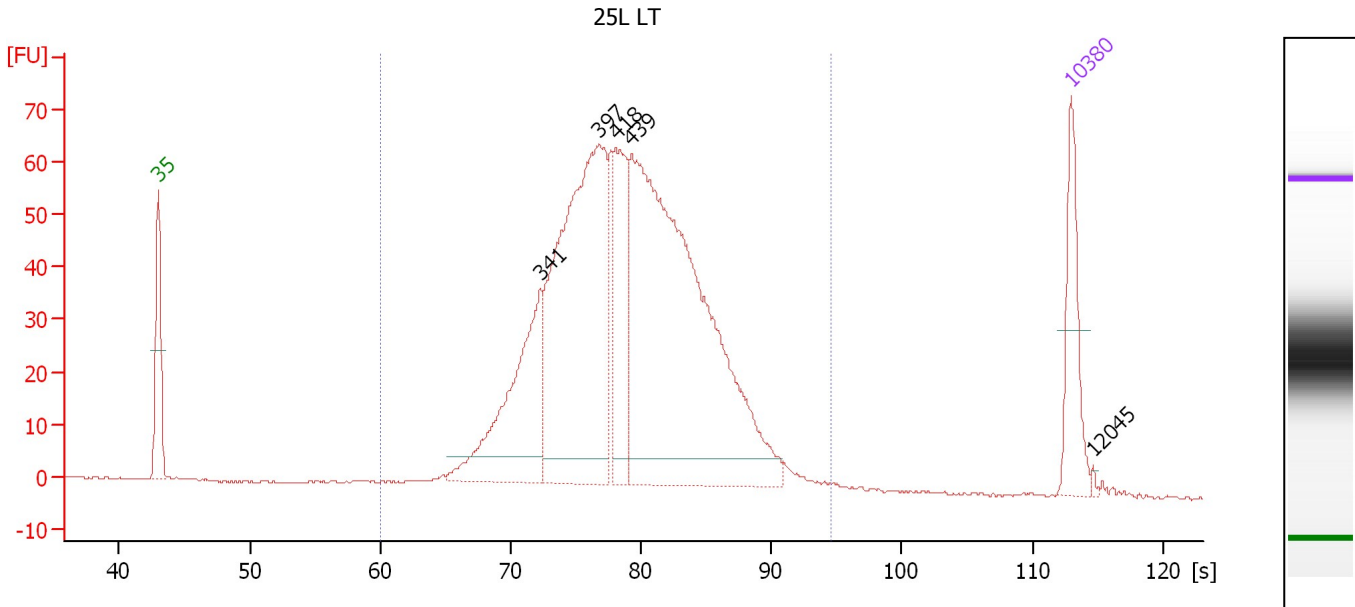
Region table for sample 5 : 31N LT

From [s]	To [s]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
59.98	94.62	442	1,811.8	6,102.7	1,688.46	99	20.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-17\2017-04-17_001.xad

Created: 4/17/2017 10:21:28 AM
 Modified: 4/17/2017 10:51:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 25L LT

Number of peaks found: 5 Corr. Area 1: 1,156.9
 Noise: 0.2

Peak table for sample 6 : 25L LT

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	341	242.37	1,076.6		72.30
3	397	540.58	2,065.1		76.78
4	418	149.21	540.9		78.07
5	439	797.93	2,753.8		79.27
6	10,380	75.00	10.9	Upper Marker	113.00
7	12,045	0.00	0.0		114.64

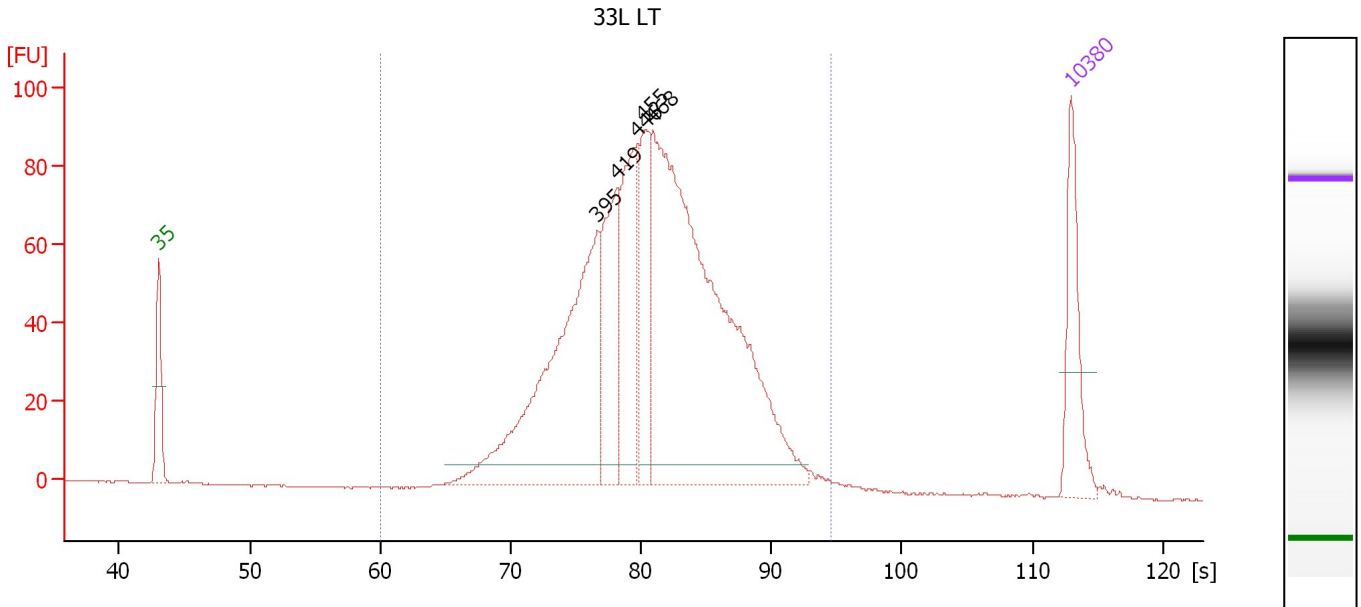
Region table for sample 6 : 25L LT

From [s]	To [s]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
59.98	94.62	441	1,156.9	6,527.9	1,792.91	99	21.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-17\2017-04-17_001.xad

Created: 4/17/2017 10:21:28 AM
 Modified: 4/17/2017 10:51:20 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 33L LT

Number of peaks found: 5 Corr. Area 1: 1,441.2
 Noise: 0.1

Peak table for sample 7 : 33L LT

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	395	411.43	1,577.2		76.67
3	419	148.43	536.9		78.13
4	446	156.76	532.2		79.68
5	455	112.79	375.5		80.18
6	468	745.84	2,417.2		80.89
7	10,380	75.00	10.9	Upper Marker	113.00

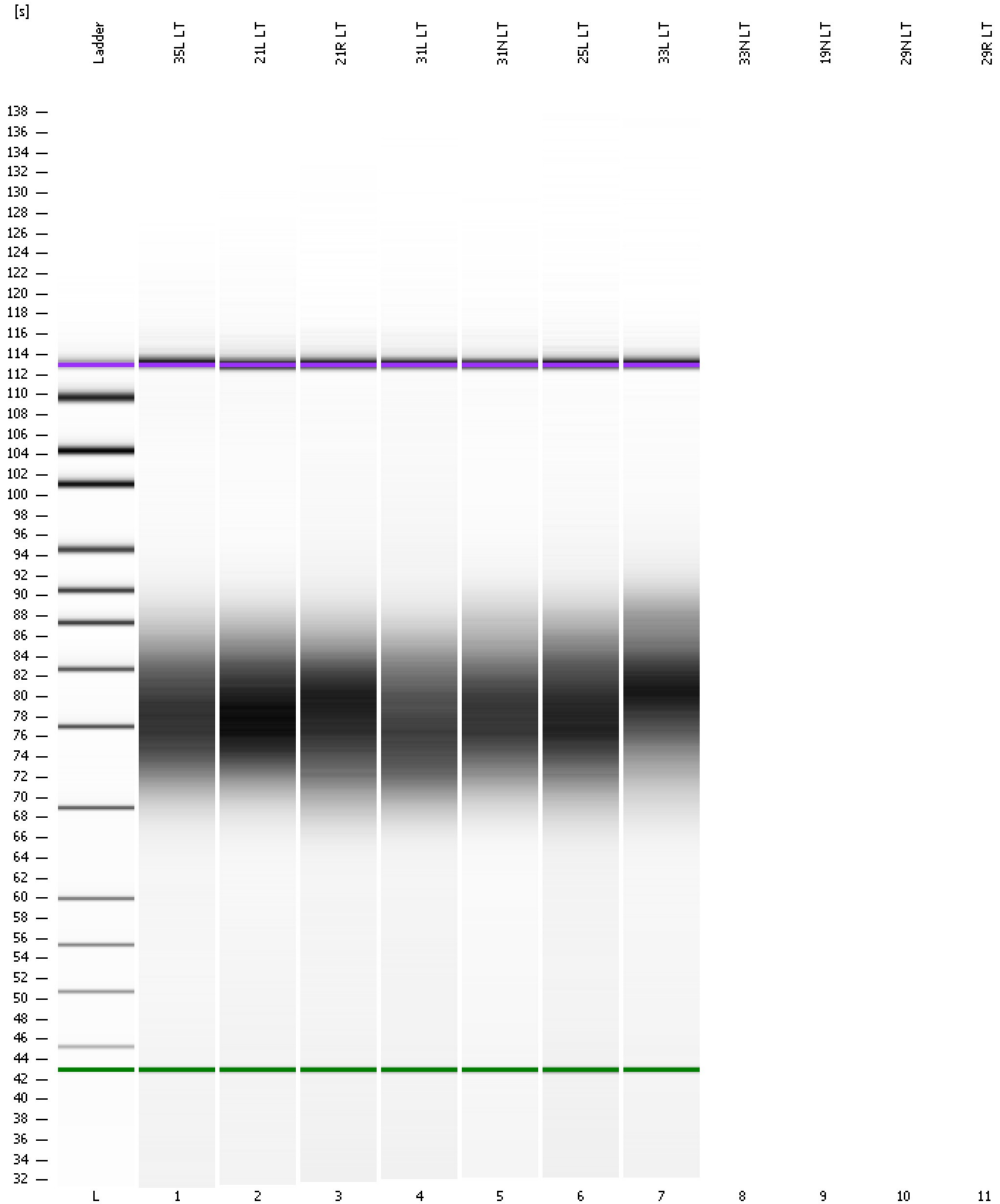
Region table for sample 7 : 33L LT

From [s]	To [s]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
59.98	94.62	474	1,441.2	5,466.4	1,609.01	99	21.9

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-17\2017-04-17_001.xad

Created: 4/17/2017 10:21:28 AM
Modified: 4/17/2017 10:51:20 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-17\2017-04-17_001.xad

Created: 4/17/2017 10:21:28 AM
Modified: 4/17/2017 10:51:20 AM

Invalid Samples

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.