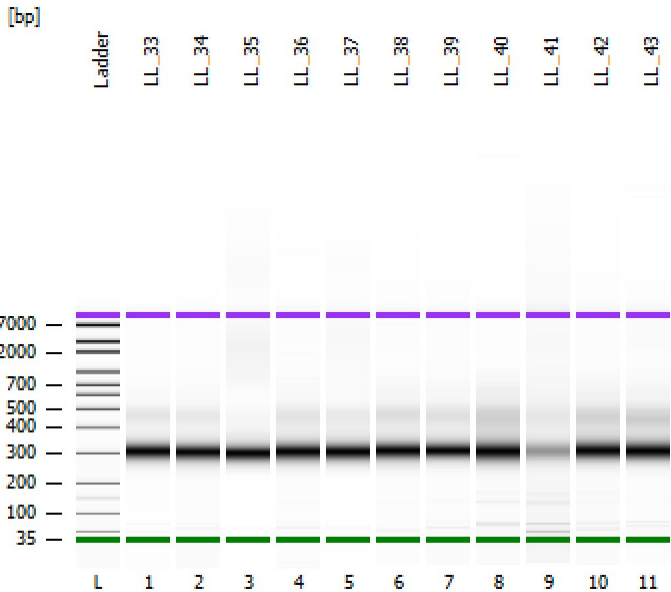


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-10\QC1535_1_3.xad

Created: 7/10/2023 2:56:24 PM
Modified: 7/17/2023 12:21:37 PM

Electrophoresis File Run Summary



Instrument Information:

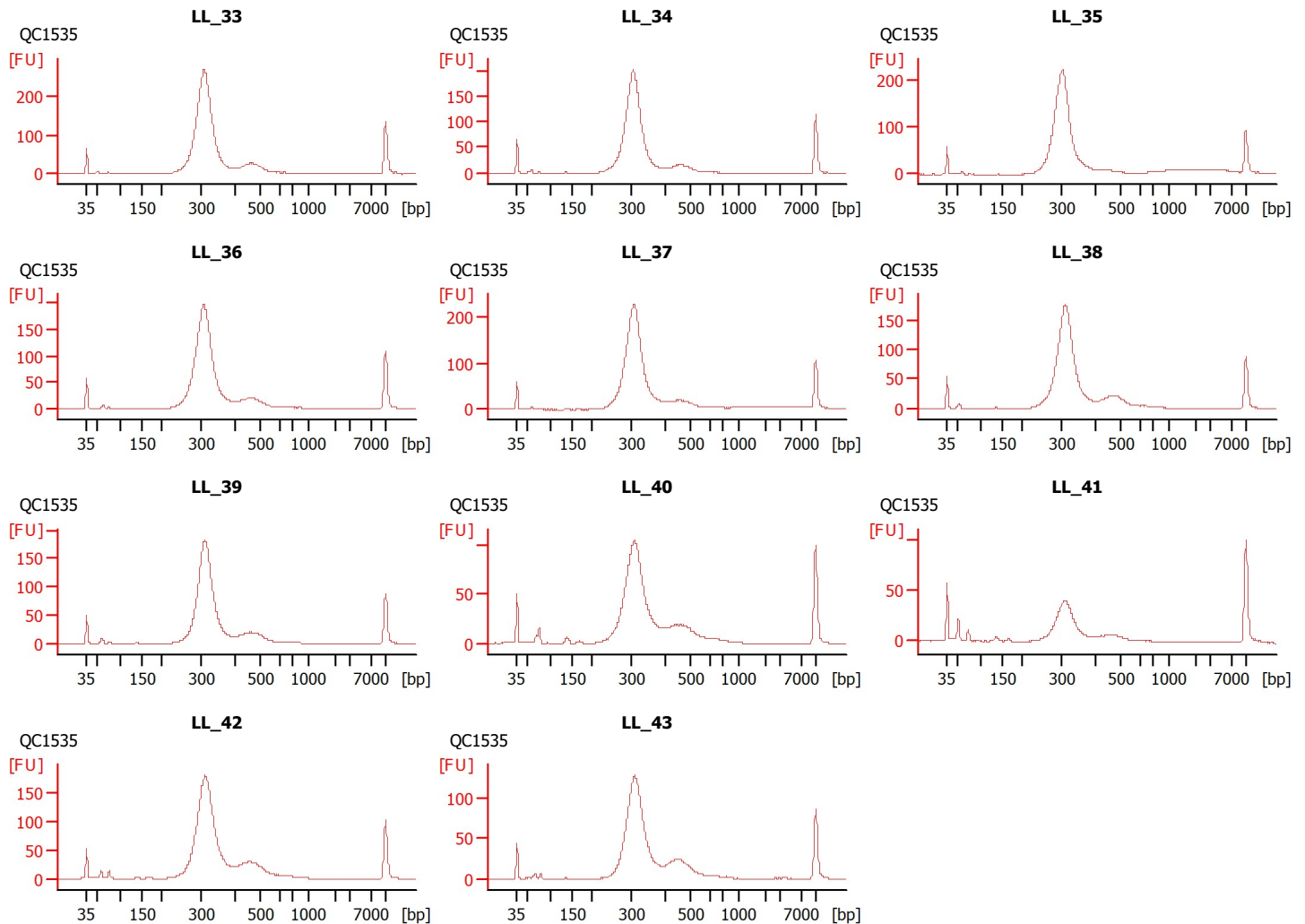
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\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:\...2100 bioanalyzer\2100 expert\data\2023-07-10\QC1535_1_3.xad

Created: 7/10/2023 2:56:24 PM
 Modified: 7/17/2023 12:21:37 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
LL_33	QC1535	<input type="checkbox"/>		✓		
LL_34	QC1535	<input type="checkbox"/>		✓		
LL_35	QC1535	<input type="checkbox"/>		✓		
LL_36	QC1535	<input type="checkbox"/>		✓		
LL_37	QC1535	<input type="checkbox"/>		✓		
LL_38	QC1535	<input type="checkbox"/>		✓		
LL_39	QC1535	<input type="checkbox"/>		✓		
LL_40	QC1535	<input type="checkbox"/>		✓		
LL_41	QC1535	<input type="checkbox"/>		✓		
LL_42	QC1535	<input type="checkbox"/>		✓		
LL_43	QC1535	<input type="checkbox"/>		✓		
Ladder		<input type="checkbox"/>		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-10\QC1535_1_3.xad

Created: 7/10/2023 2:56:24 PM
Modified: 7/17/2023 12:21:37 PM

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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

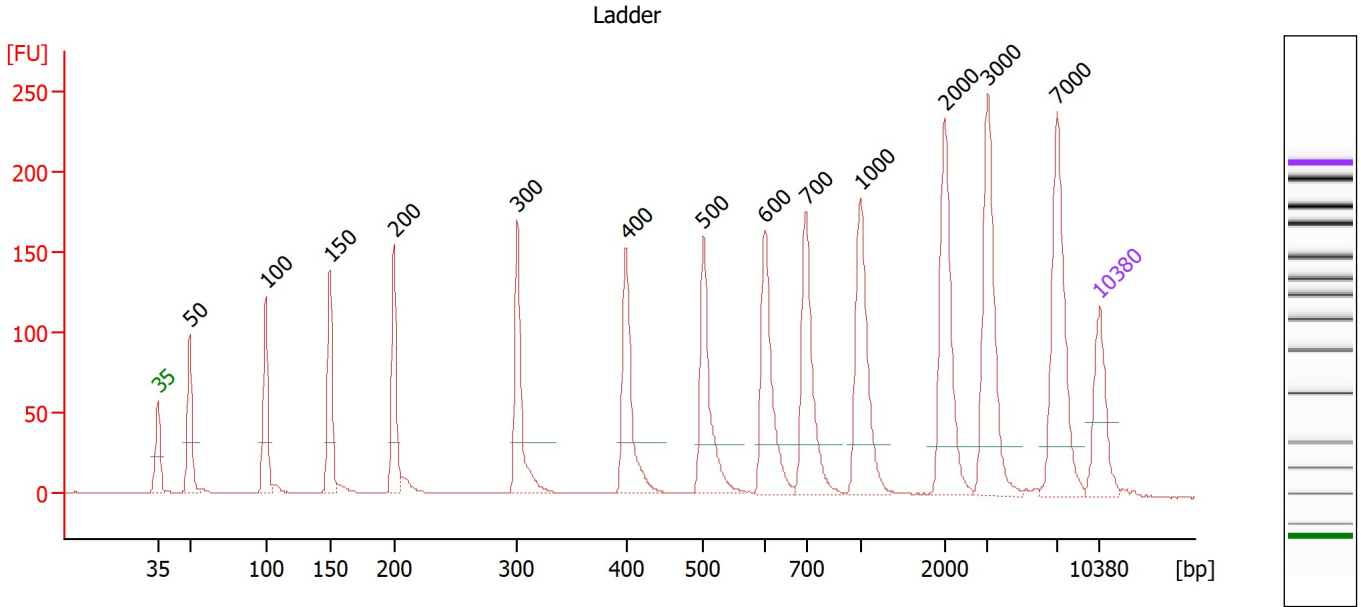
Ladder

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:\...2100 bioanalyzer\2100 expert\data\2023-07-10\QC1535_1_3.xad

Created: 7/10/2023 2:56:24 PM
 Modified: 7/17/2023 12:21:37 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

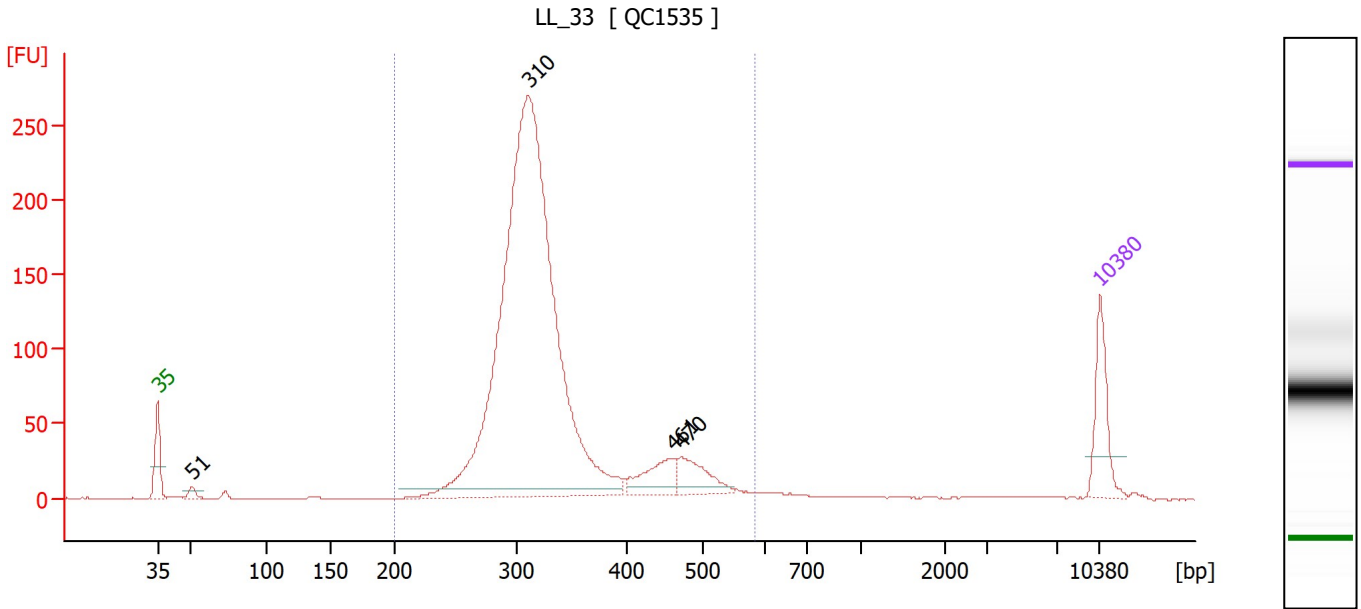
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	Ladder Peak
9	600	150.00	378.8	Ladder Peak
10	700	150.00	324.7	Ladder Peak
11	1,000	150.00	227.3	Ladder Peak
12	2,000	150.00	113.6	Ladder Peak
13	3,000	150.00	75.8	Ladder Peak
14	7,000	150.00	32.5	Ladder Peak
15	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-10\QC1535_1_3.xad

Created: 7/10/2023 2:56:24 PM
 Modified: 7/17/2023 12:21:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : LL_33

Number of peaks found: 4
 Noise: 0.2
 Corr. Area 1: 1,944.4

Peak table for sample 1 : LL_33

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	51	13.75	408.2	
3	310	1,714.01	8,390.4	
4	461	72.00	236.6	
5	470	66.82	215.2	
6	10,380	75.00	10.9	Upper Marker

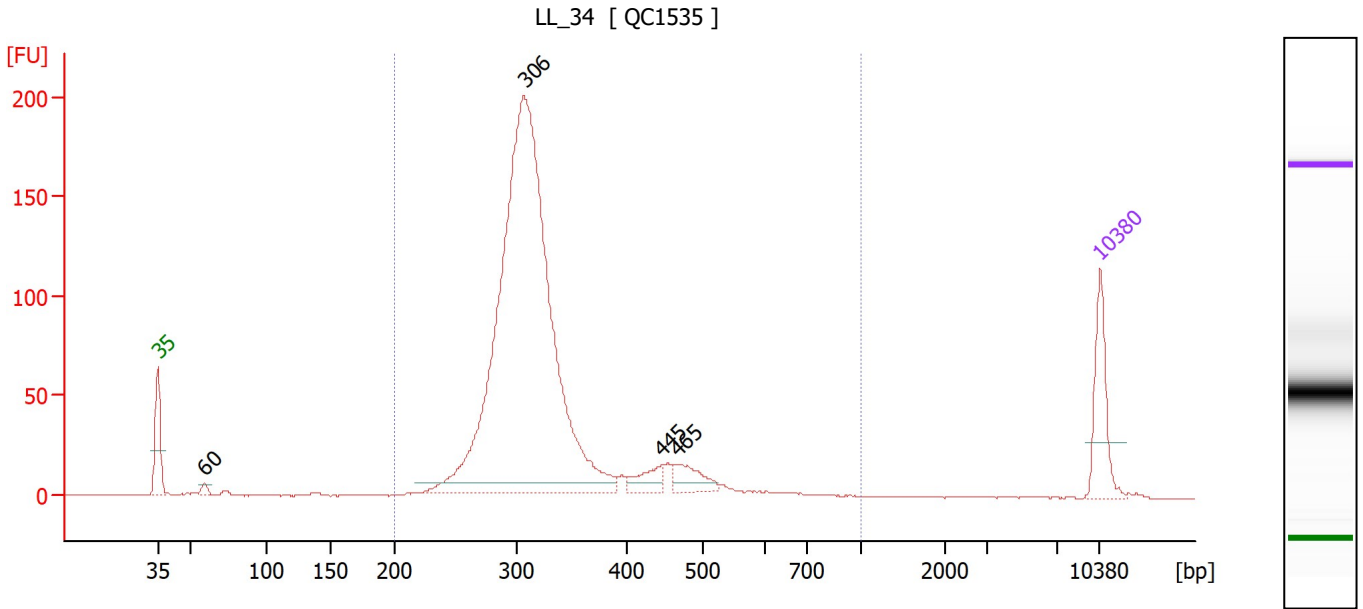
Region table for sample 1 : LL_33

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	583	1,944.4	96	330	17.9	1,922.75	9,124.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-10\QC1535_1_3.xad

Created: 7/10/2023 2:56:24 PM
 Modified: 7/17/2023 12:21:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : LL_34

Number of peaks found: 4 Corr. Area 1: 1,415.7
 Noise: 0.2

Peak table for sample 2 : LL_34

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	60	9.89	251.4	
3	306	1,547.76	7,668.7	
4	445	34.70	118.1	
5	465	46.59	151.7	
6	10,380	75.00	10.9	Upper Marker

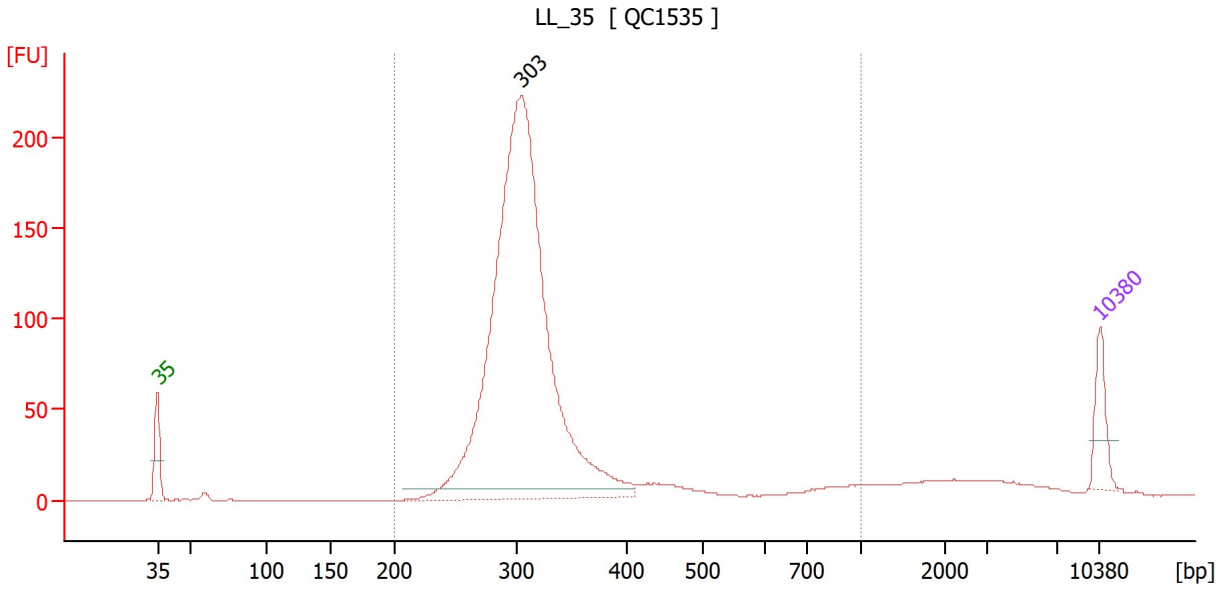
Region table for sample 2 : LL_34

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,415.7	98	329	21.9	1,753.26	8,408.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-10\QC1535_1_3.xad

Created: 7/10/2023 2:56:24 PM
 Modified: 7/17/2023 12:21:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : LL_35

Number of peaks found: 1 Corr. Area 1: 1,543.5
 Noise: 0.2

Peak table for sample 3 : LL_35

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	303	2,390.27	11,964.2	
3	10,380	75.00	10.9	Upper Marker

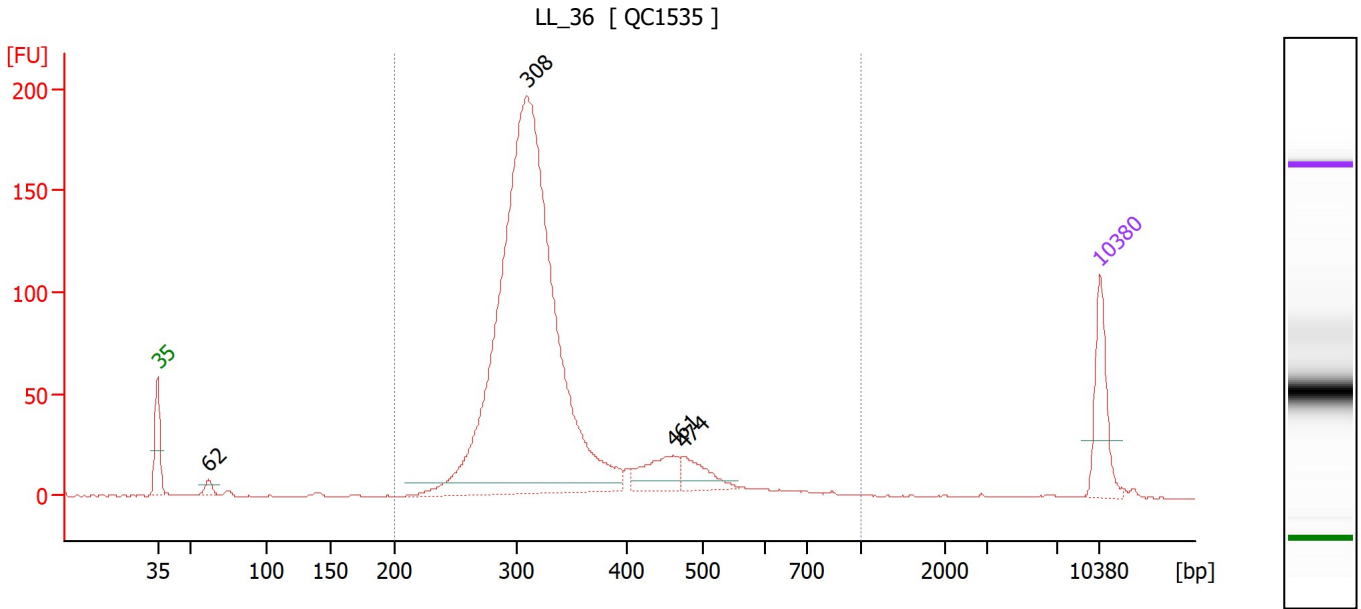
Region table for sample 3 : LL_35

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,543.5	88	331	31.0	2,557.60	12,444.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-10\QC1535_1_3.xad

Created: 7/10/2023 2:56:24 PM
 Modified: 7/17/2023 12:21:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : LL_36

Number of peaks found: 4 Corr. Area 1: 1,499.7
 Noise: 0.3

Peak table for sample 4 : LL_36

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	62	15.39	374.0	
3	308	1,599.96	7,865.6	
4	461	69.67	229.1	
5	474	49.00	156.7	
6	10,380	75.00	10.9	Upper Marker

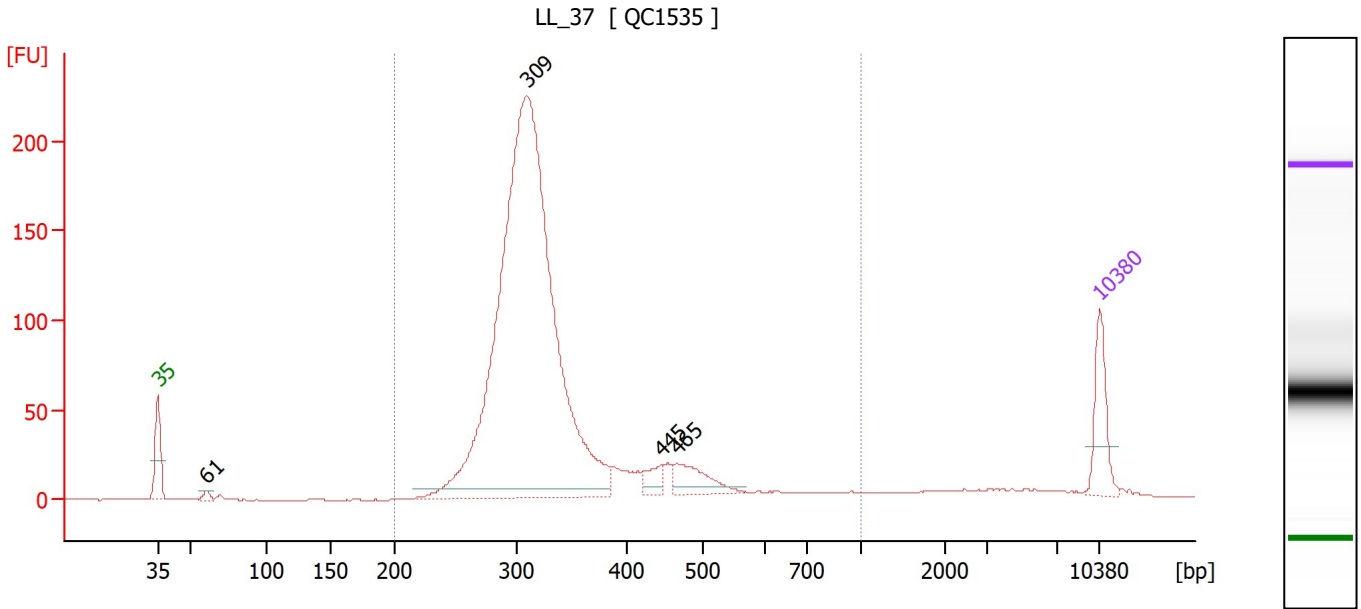
Region table for sample 4 : LL_36

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,499.7	97	337	23.9	1,831.20	8,643.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-10\QC1535_1_3.xad

Created: 7/10/2023 2:56:24 PM
 Modified: 7/17/2023 12:21:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : LL_37

Number of peaks found: 4 Corr. Area 1: 1,692.3
 Noise: 0.3

Peak table for sample 5 : LL_37

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	61	11.22	278.1	
3	309	1,939.41	9,509.3	
4	445	32.26	109.9	
5	465	74.96	244.3	
6	10,380	75.00	10.9	Upper Marker

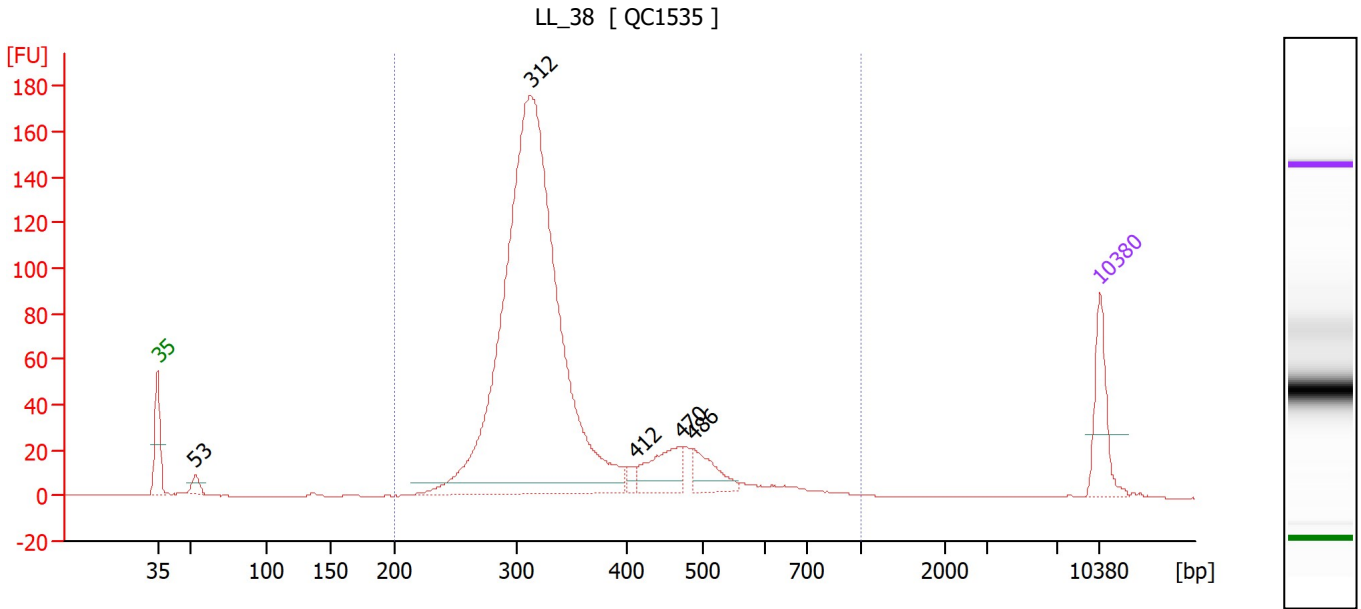
Region table for sample 5 : LL_37

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,692.3	92	339	26.7	2,231.30	10,537.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-10\QC1535_1_3.xad

Created: 7/10/2023 2:56:24 PM
 Modified: 7/17/2023 12:21:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : LL_38

Number of peaks found: 5 Corr. Area 1: 1,351.1
 Noise: 0.1

Peak table for sample 6 : LL_38

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	53	21.69	614.9	
3	312	1,716.02	8,342.7	
4	412	15.17	55.8	
5	470	88.35	284.9	
6	486	61.63	192.0	
7	10,380	75.00	10.9	Upper Marker

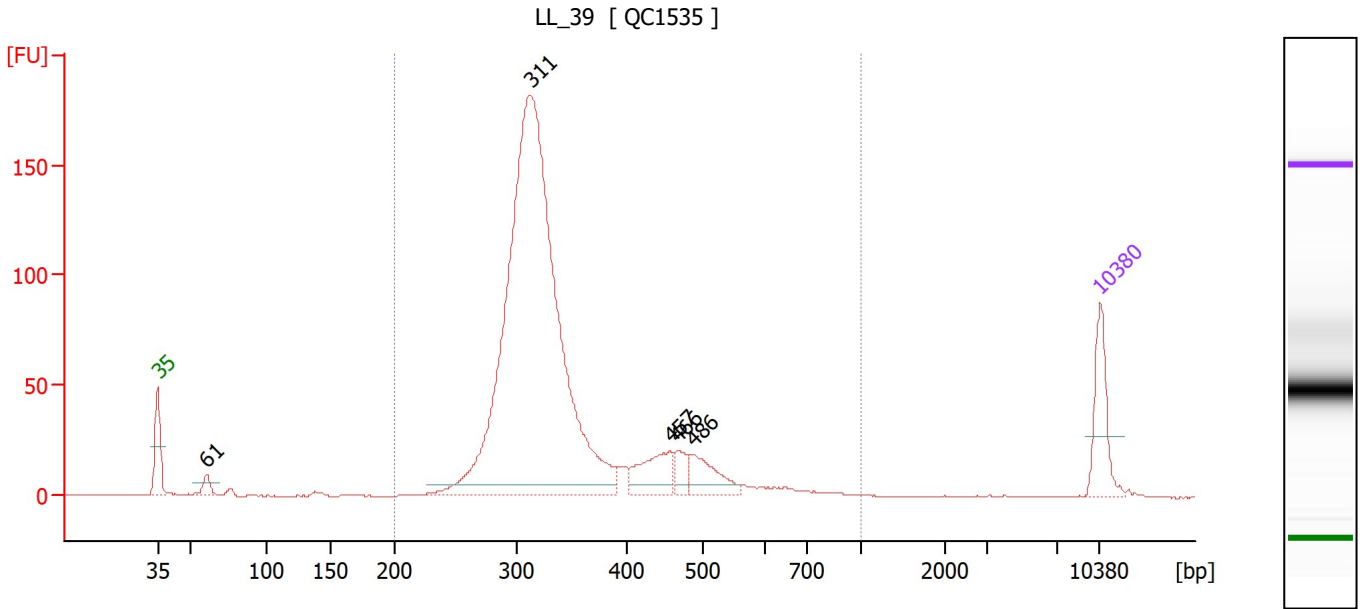
Region table for sample 6 : LL_38

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,351.1	97	347	25.5	2,013.44	9,315.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-10\QC1535_1_3.xad

Created: 7/10/2023 2:56:24 PM
 Modified: 7/17/2023 12:21:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : LL_39

Number of peaks found: 5 Corr. Area 1: 1,293.5
 Noise: 0.2

Peak table for sample 7 : LL_39

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	61	21.57	533.9	
3	311	1,626.68	7,917.1	
4	457	86.99	288.4	
5	466	31.19	101.3	
6	486	67.44	210.1	
7	10,380	75.00	10.9	Upper Marker

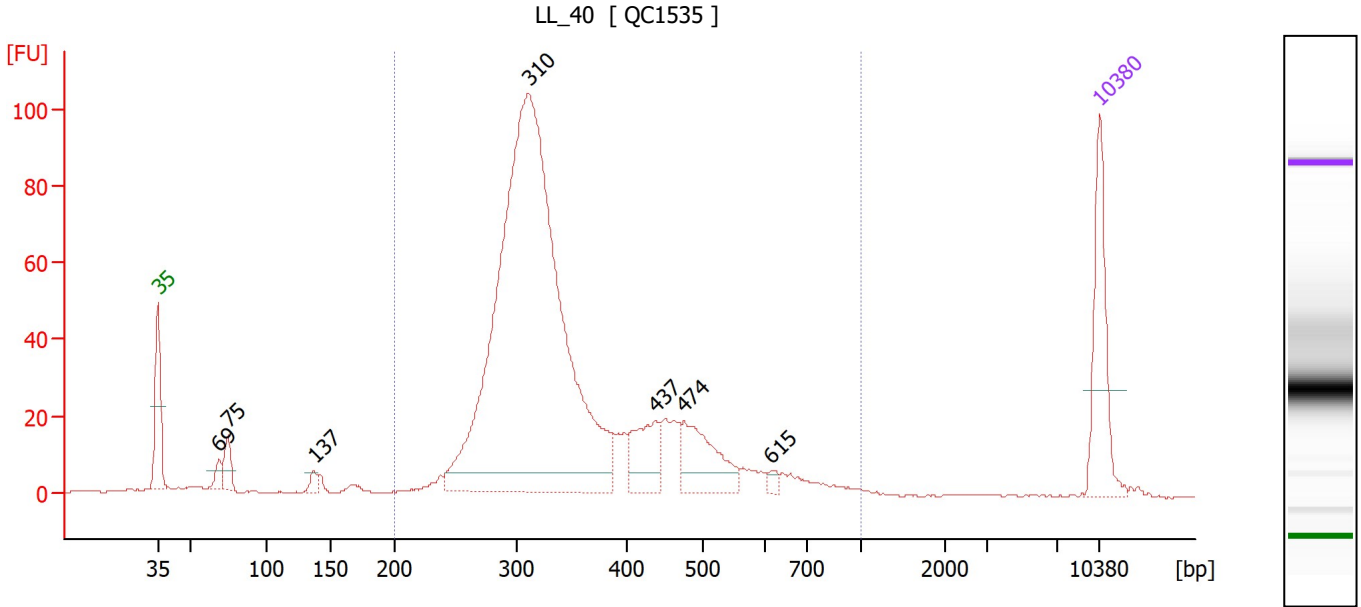
Region table for sample 7 : LL_39

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,293.5	96	347	24.4	1,899.77	8,746.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-10\QC1535_1_3.xad

Created: 7/10/2023 2:56:24 PM
 Modified: 7/17/2023 12:21:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : LL_40

Number of peaks found: 7 Corr. Area 1: 989.4
 Noise: 0.2

Peak table for sample 8 : LL_40

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	69	15.31	333.9	
3	75	26.36	533.6	
4	137	9.57	105.6	
5	310	1,030.72	5,038.8	
6	437	58.39	202.3	
7	474	77.53	247.7	
8	615	6.18	15.2	
9	10,380	75.00	10.9	Upper Marker

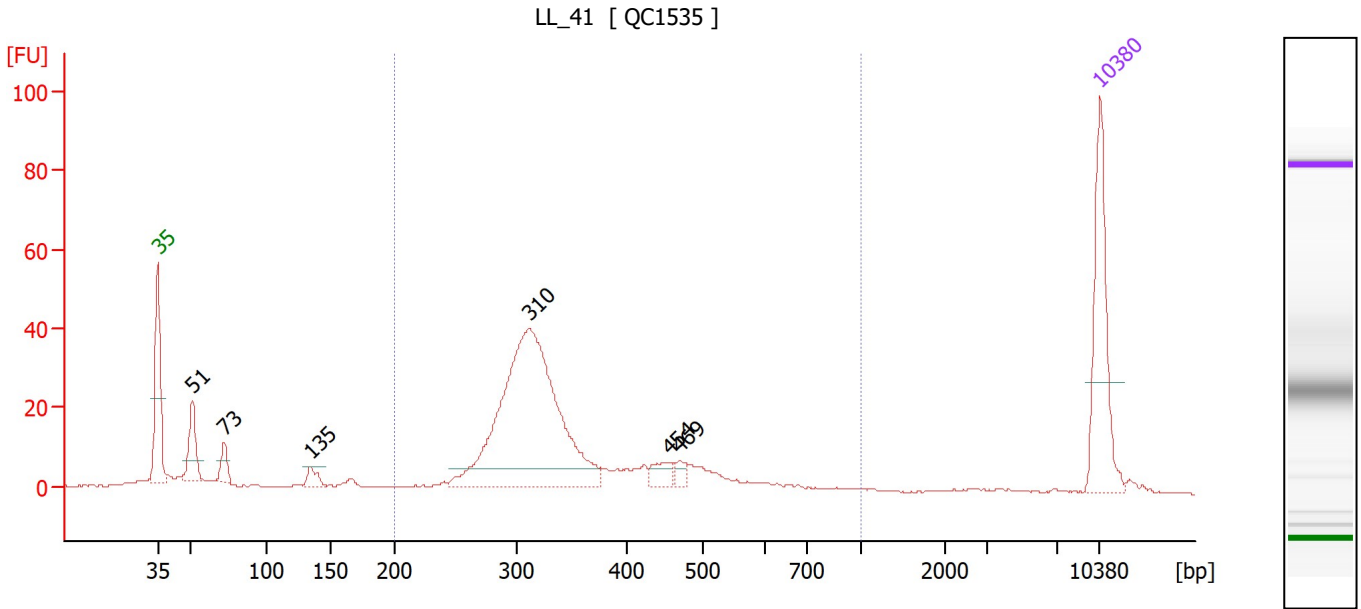
Region table for sample 8 : LL_40

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	989.4	95	357	27.5	1,298.07	5,922.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-10\QC1535_1_3.xad

Created: 7/10/2023 2:56:24 PM
 Modified: 7/17/2023 12:21:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : LL 41

Number of peaks found: 6 Corr. Area 1: 370.6
 Noise: 0.2

Peak table for sample 9 : LL 41

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	51	42.95	1,264.9	
3	73	17.61	367.7	
4	135	12.69	142.9	
5	310	362.41	1,770.3	
6	454	15.08	50.3	
7	469	7.68	24.8	
8	10,380	75.00	10.9	Upper Marker

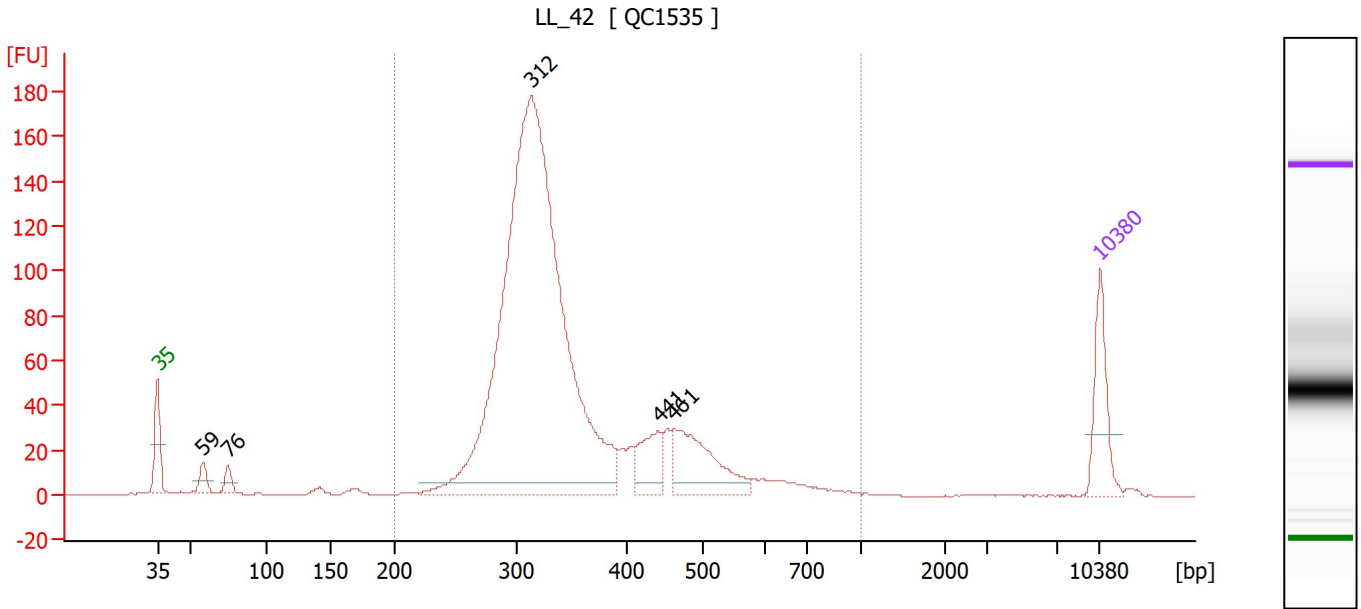
Region table for sample 9 : LL 41

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	370.6	77	359	28.9	480.81	2,190.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-10\QC1535_1_3.xad

Created: 7/10/2023 2:56:24 PM
 Modified: 7/17/2023 12:21:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : LL_42

Number of peaks found: 5 Corr. Area 1: 1,518.5
 Noise: 0.2

Peak table for sample 10 : LL_42

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	59	27.56	711.7	
3	76	23.45	470.1	
4	312	1,602.56	7,775.7	
5	441	74.42	255.6	
6	461	146.30	480.3	
7	10,380	75.00	10.9	Upper Marker

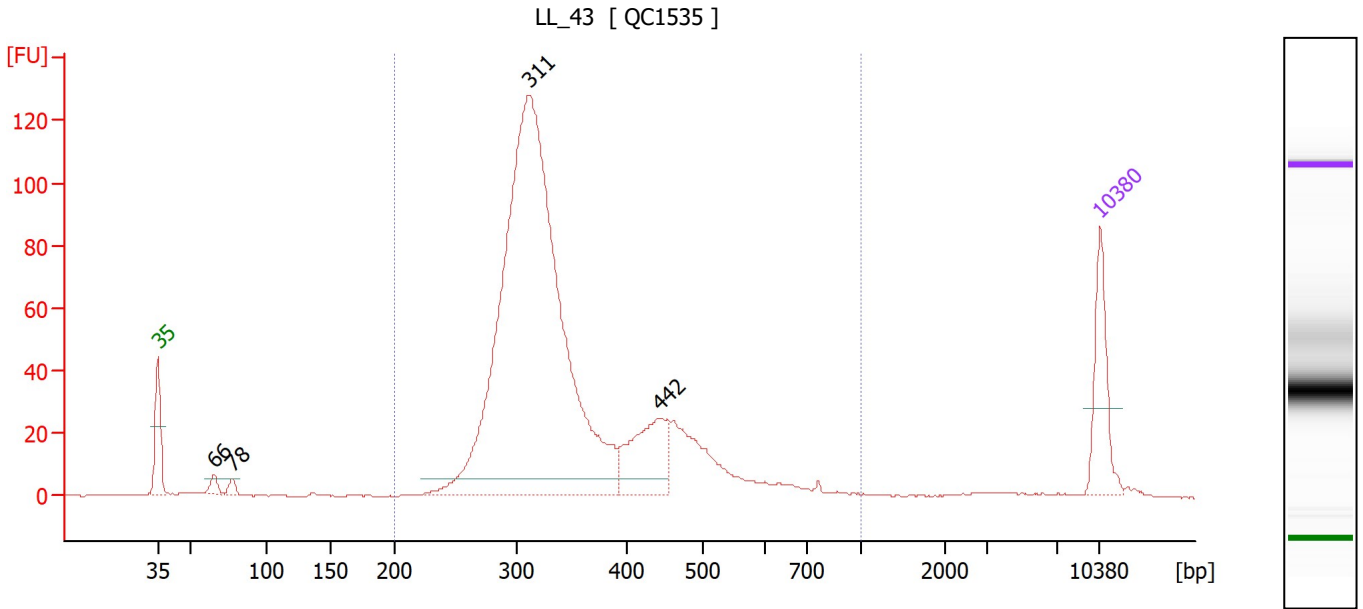
Region table for sample 10 : LL_42

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,518.5	94	356	26.4	1,964.80	8,914.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-10\QC1535_1_3.xad

Created: 7/10/2023 2:56:24 PM
 Modified: 7/17/2023 12:21:37 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : LL_43

Number of peaks found: 4 Corr. Area 1: 1,097.3
 Noise: 0.2

Peak table for sample 11 : LL_43

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	66	15.78	362.7	
3	78	11.73	227.9	
4	311	1,358.64	6,624.9	
5	442	127.33	436.6	
6	10,380	75.00	10.9	Upper Marker

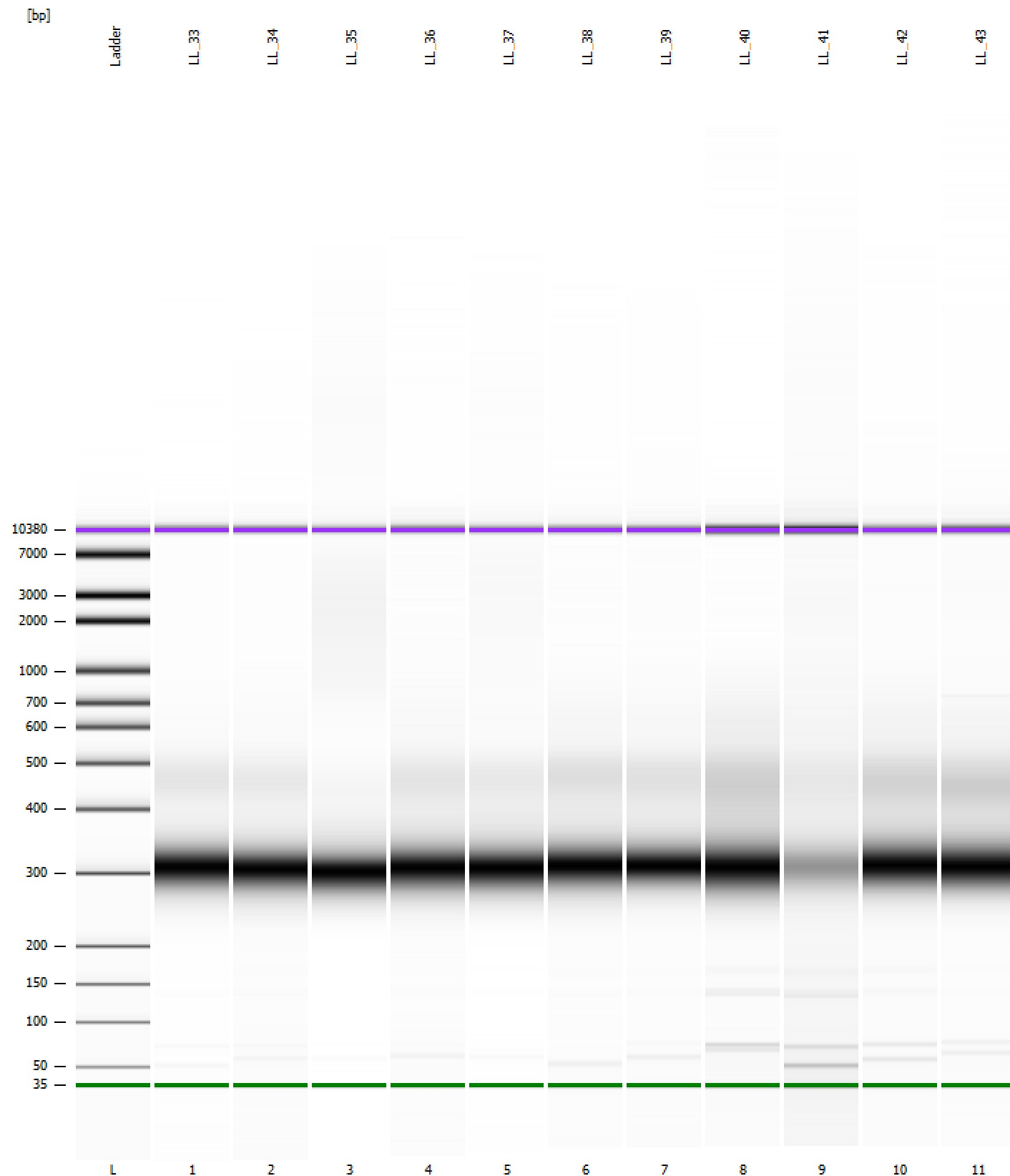
Region table for sample 11 : LL_43

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,097.3	96	354	25.3	1,666.56	7,578.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-10\QC1535_1_3.xad

Created: 7/10/2023 2:56:24 PM
Modified: 7/17/2023 12:21:37 PM

Gel Image

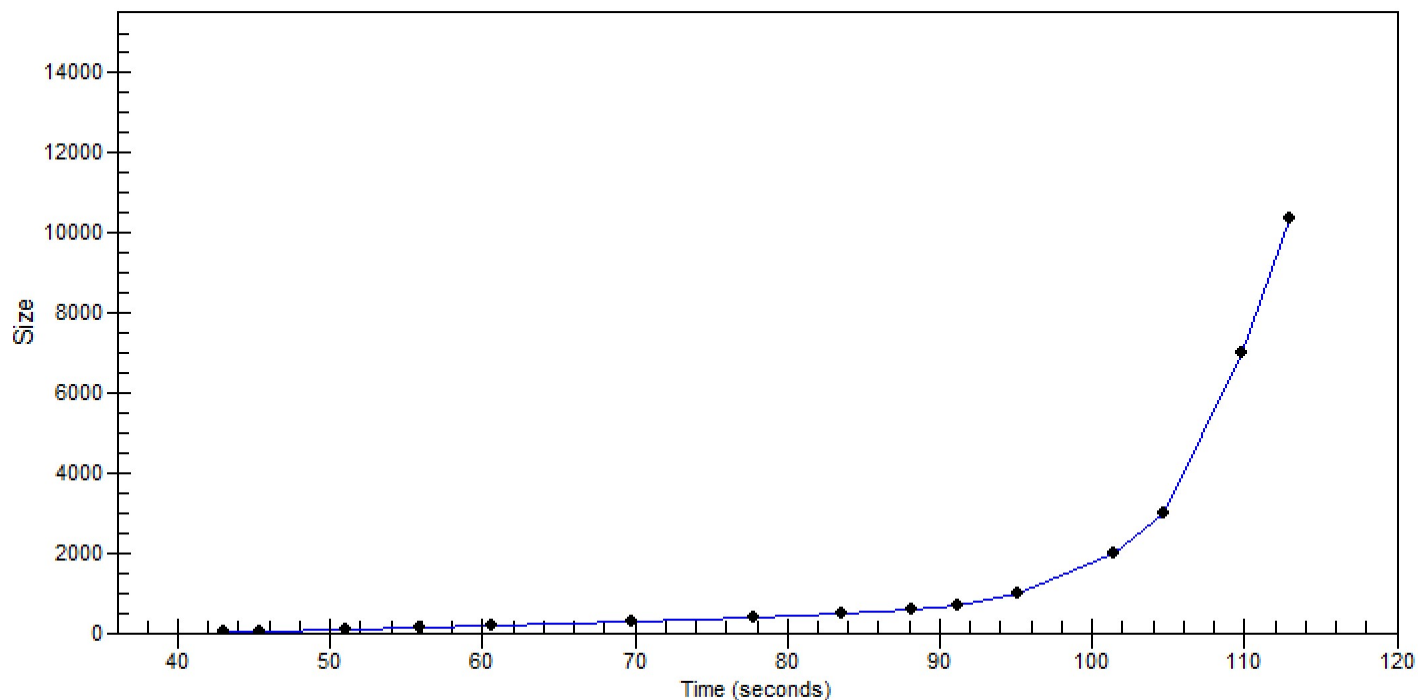


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-10\QC1535_1_3.xad

Created: 7/10/2023 2:56:24 PM
Modified: 7/17/2023 12:21:37 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 bioanalyzer\2100 expert\data\2023-07-10\QC1535_1_3.xad

Created: 7/10/2023 2:56:24 PM
 Modified: 7/17/2023 12:21:37 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		7/10/2023 3:36:53 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-07-10\Bioanalyzer_1_High Sensitivity DNA Assay_2023-07-10_007.xad)		Instrument	Run		7/10/2023 2:56:29 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		7/10/2023 2:56:29 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		7/10/2023 2:56:29 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		7/10/2023 2:56:29 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		7/10/2023 2:56:29 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		7/10/2023 2:56:29 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		7/10/2023 2:56:29 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB