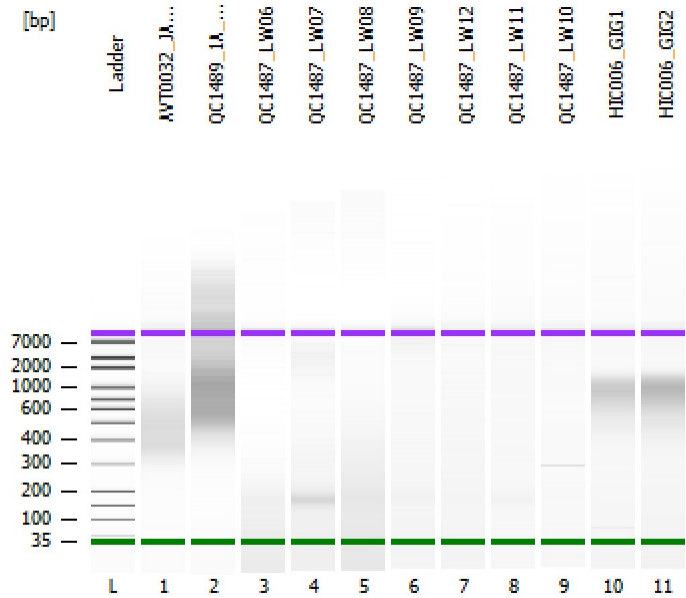


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-05-22_001.xad

Created: 5/22/2023 3:16:12 PM
Modified: 5/22/2023 4:19:04 PM

Electrophoresis File Run Summary



Instrument Information:

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

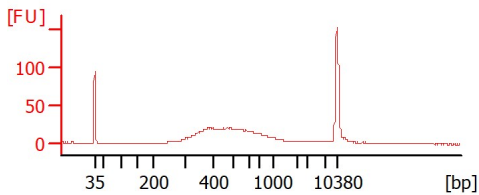
Assay Information:

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

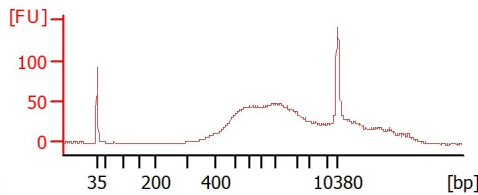
Chip Information:

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

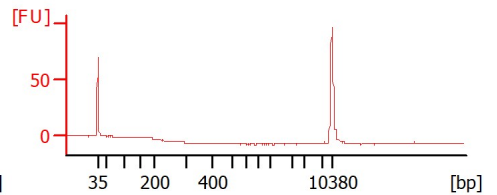
AVT0032_JA_AQ



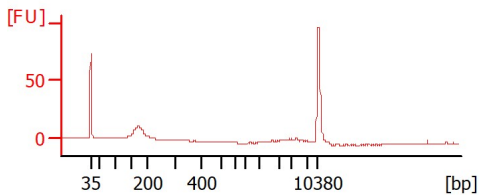
QC1489_1A_PRIME



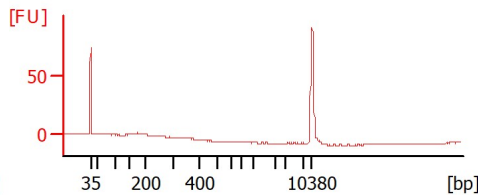
QC1487_LW06



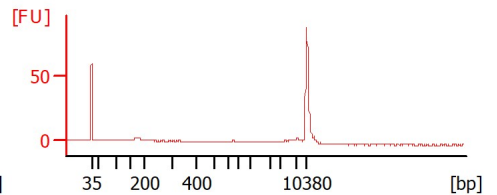
QC1487_LW07



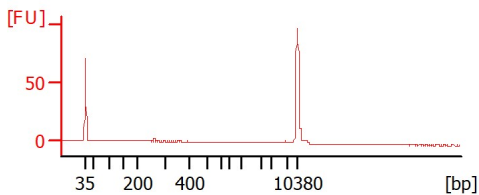
QC1487_LW08



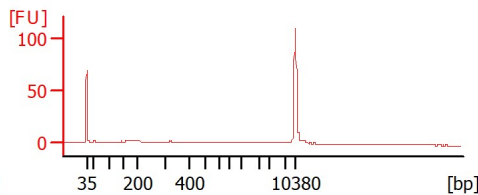
QC1487_LW09



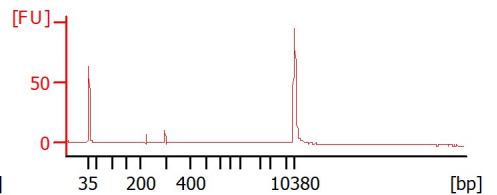
QC1487_LW12



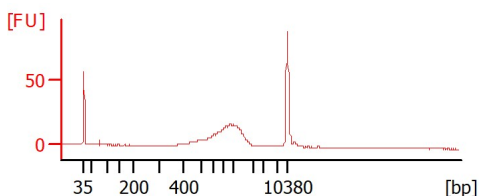
QC1487_LW11



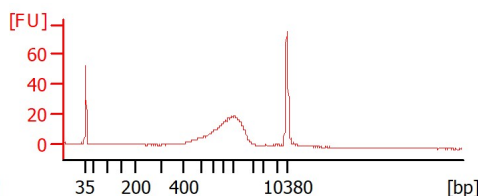
QC1487_LW10



HIC006_GIG1



HIC006_GIG2



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-05-22_001.xad

Created: 5/22/2023 3:16:12 PM
 Modified: 5/22/2023 4:19:04 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
AVT0032_JA_AQ		<input type="checkbox"/>		✓		
QC1489_1A_PRIME		<input type="checkbox"/>		✓		
QC1487_LW06		<input type="checkbox"/>		✓		
QC1487_LW07		<input type="checkbox"/>		✓		
QC1487_LW08		<input type="checkbox"/>		✓		
QC1487_LW09		<input type="checkbox"/>		✓		
QC1487_LW12		<input type="checkbox"/>		✓		
QC1487_LW11		<input type="checkbox"/>		✓		
QC1487_LW10		<input type="checkbox"/>		✓		
HIC006_GIG1		<input type="checkbox"/>		✓		
HIC006_GIG2		<input type="checkbox"/>		✓		
Ladder		<input type="checkbox"/>		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-05-22_001.xad

Created: 5/22/2023 3:16:12 PM
 Modified: 5/22/2023 4:19:04 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/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

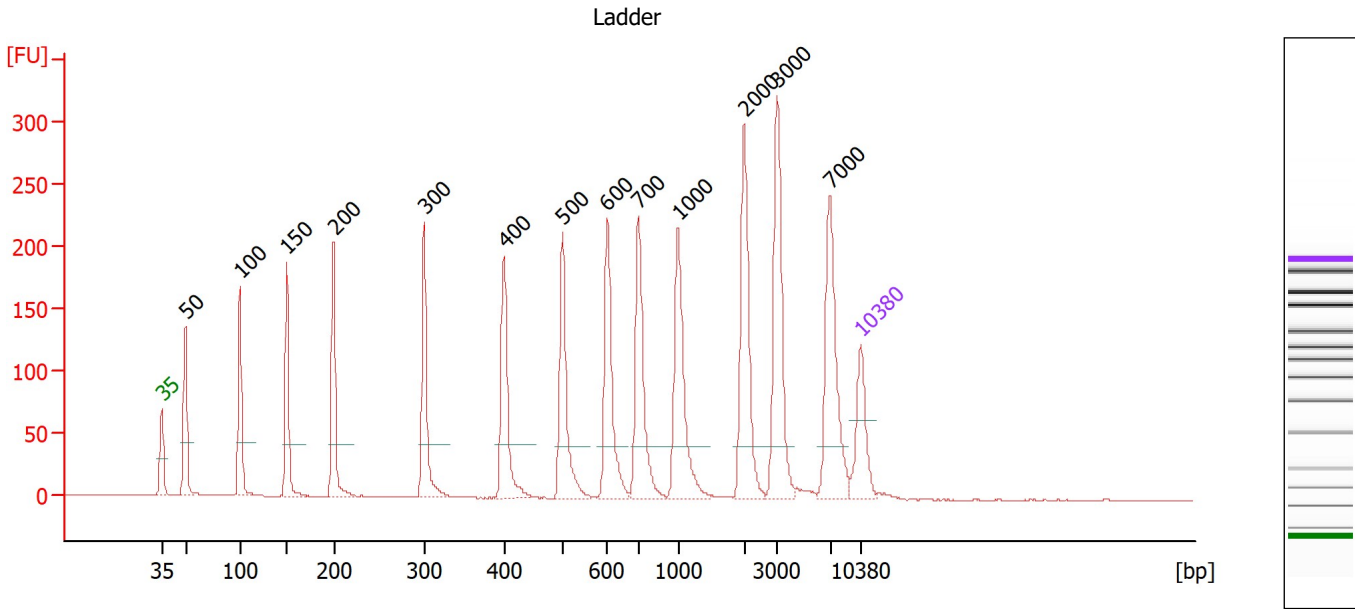
Ladder

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:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-05-22_001.xad

Created: 5/22/2023 3:16:12 PM
 Modified: 5/22/2023 4:19:04 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

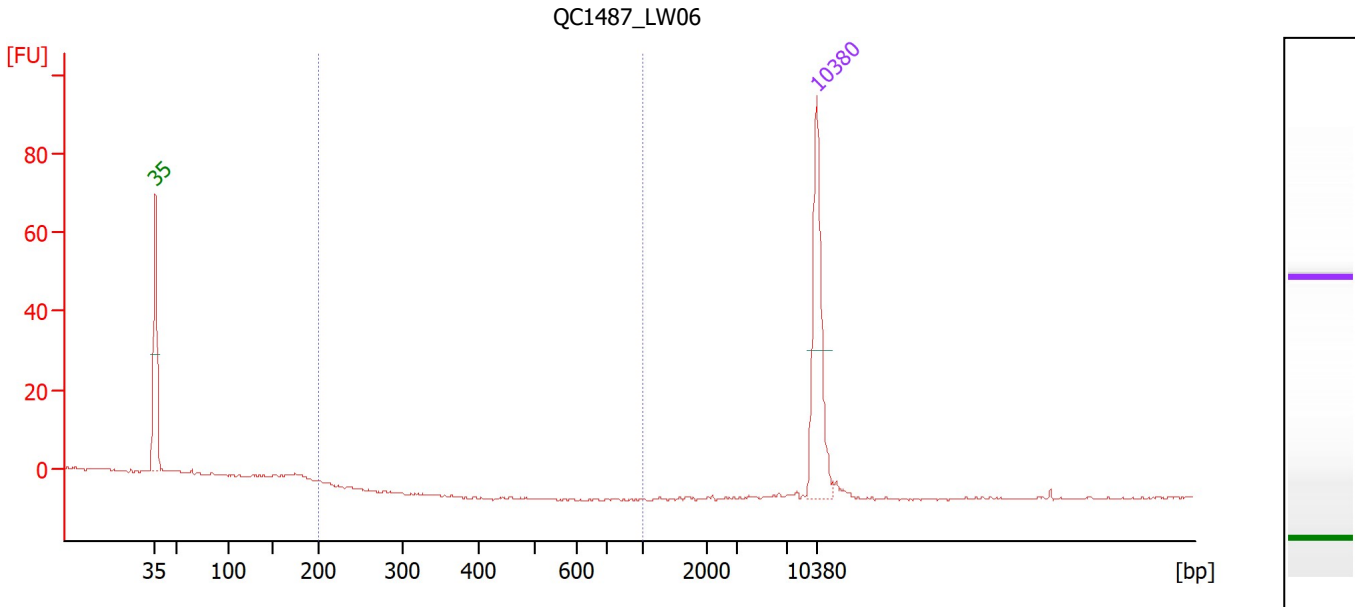
Peak table for Ladder

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:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-05-22_001.xad

Created: 5/22/2023 3:16:12 PM
 Modified: 5/22/2023 4:19:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : QC1487 LW06

Number of peaks found: 0 Corr. Area 1: 0.0
 Noise: 0.2

Peak table for sample 3 : QC1487 LW06

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

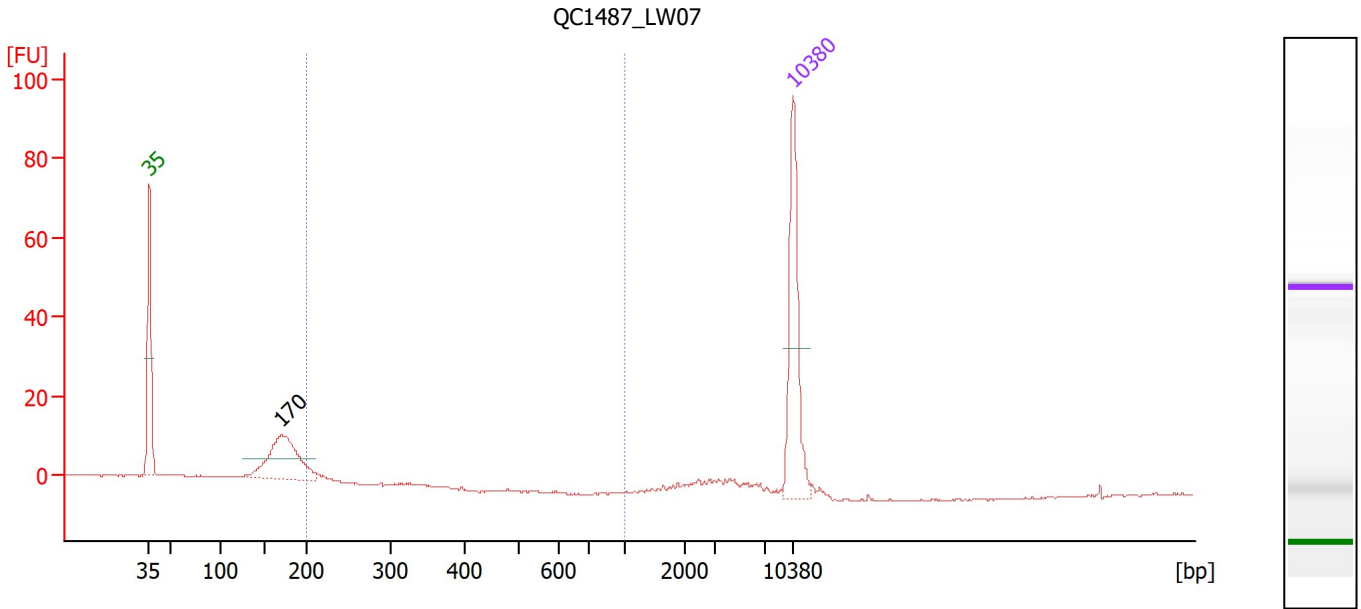
Region table for sample 3 : QC1487 LW06

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	0.0	0	0	0.0	0.00	0.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-05-22_001.xad

Created: 5/22/2023 3:16:12 PM
 Modified: 5/22/2023 4:19:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : QC1487 LW07

Number of peaks found: 1 Corr. Area 1: 5.9
 Noise: 0.2

Peak table for sample 4 : QC1487 LW07

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	170	99.39	885.3	
3	10,380	75.00	10.9	Upper Marker

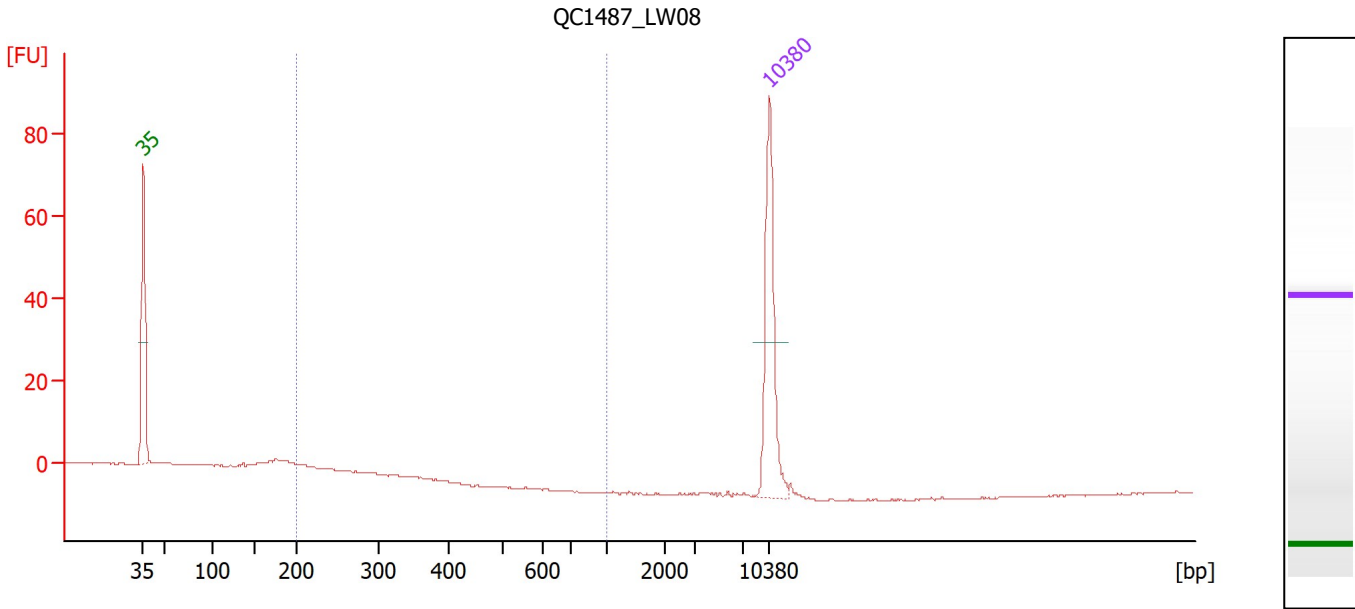
Region table for sample 4 : QC1487 LW07

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	5.9	7	208	3.5	7.86	57.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-05-22_001.xad

Created: 5/22/2023 3:16:12 PM
 Modified: 5/22/2023 4:19:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : QC1487 LW08

Number of peaks found: 0 Corr. Area 1: 3.1
 Noise: 0.2

Peak table for sample 5 : QC1487 LW08

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

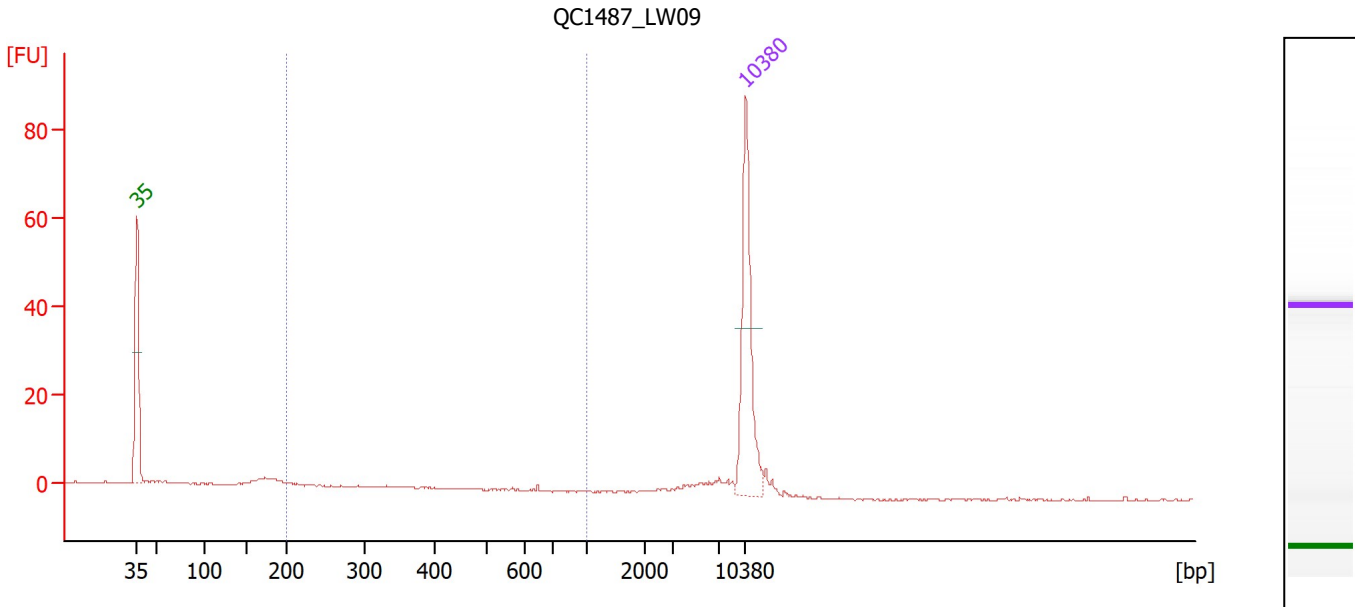
Region table for sample 5 : QC1487 LW08

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	3.1	14	214	5.3	4.43	31.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-05-22_001.xad

Created: 5/22/2023 3:16:12 PM
 Modified: 5/22/2023 4:19:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : QC1487 LW09

Number of peaks found: 0 Corr. Area 1: 2.8
 Noise: 0.1

Peak table for sample 6 : QC1487 LW09

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

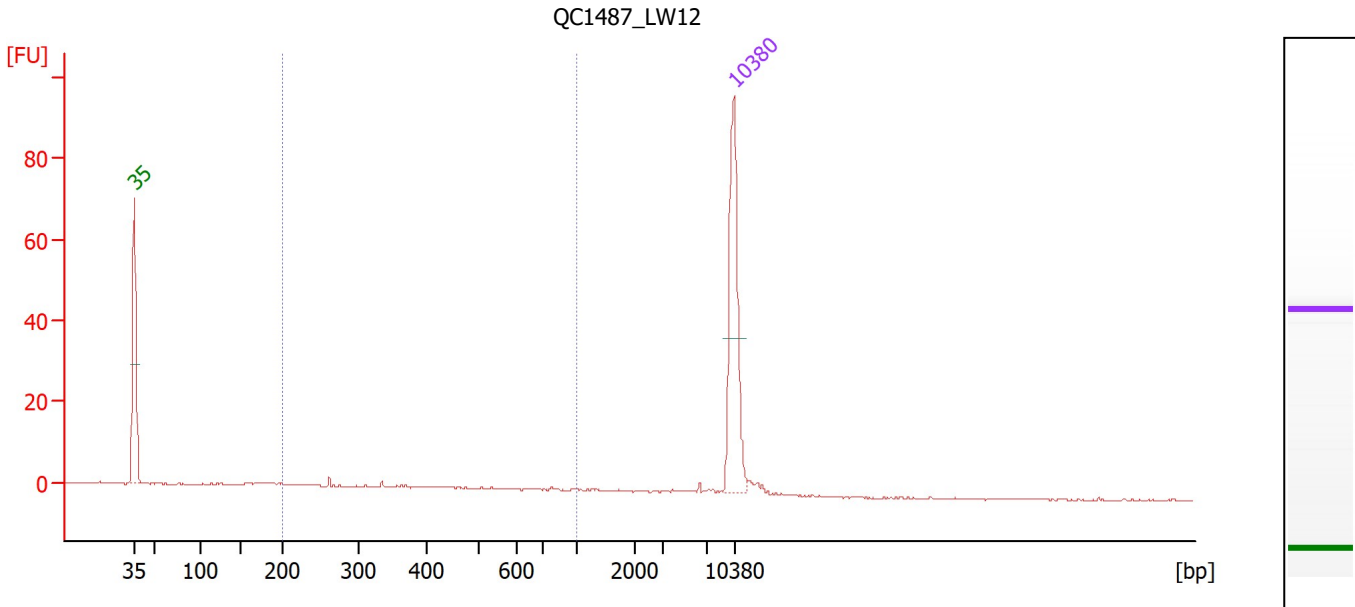
Region table for sample 6 : QC1487 LW09

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	2.8	9	316	46.8	3.87	22.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-05-22_001.xad

Created: 5/22/2023 3:16:12 PM
 Modified: 5/22/2023 4:19:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : QC1487 LW12

Number of peaks found: 0 Corr. Area 1: 14.1
 Noise: 0.2

Peak table for sample 7 : QC1487 LW12

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

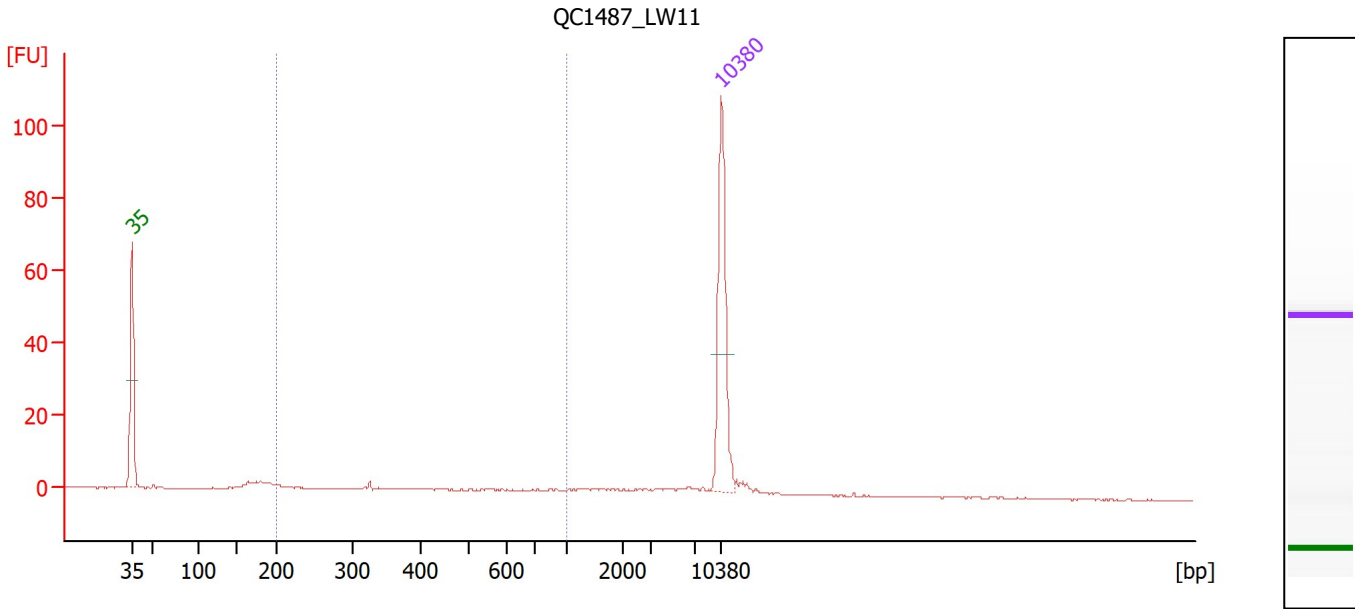
Region table for sample 7 : QC1487 LW12

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	14.1	41	418	42.6	16.73	75.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-05-22_001.xad

Created: 5/22/2023 3:16:12 PM
 Modified: 5/22/2023 4:19:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : QC1487 LW11

Number of peaks found: 0 Corr. Area 1: 28.8
 Noise: 0.2

Peak table for sample 8 : QC1487 LW11

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

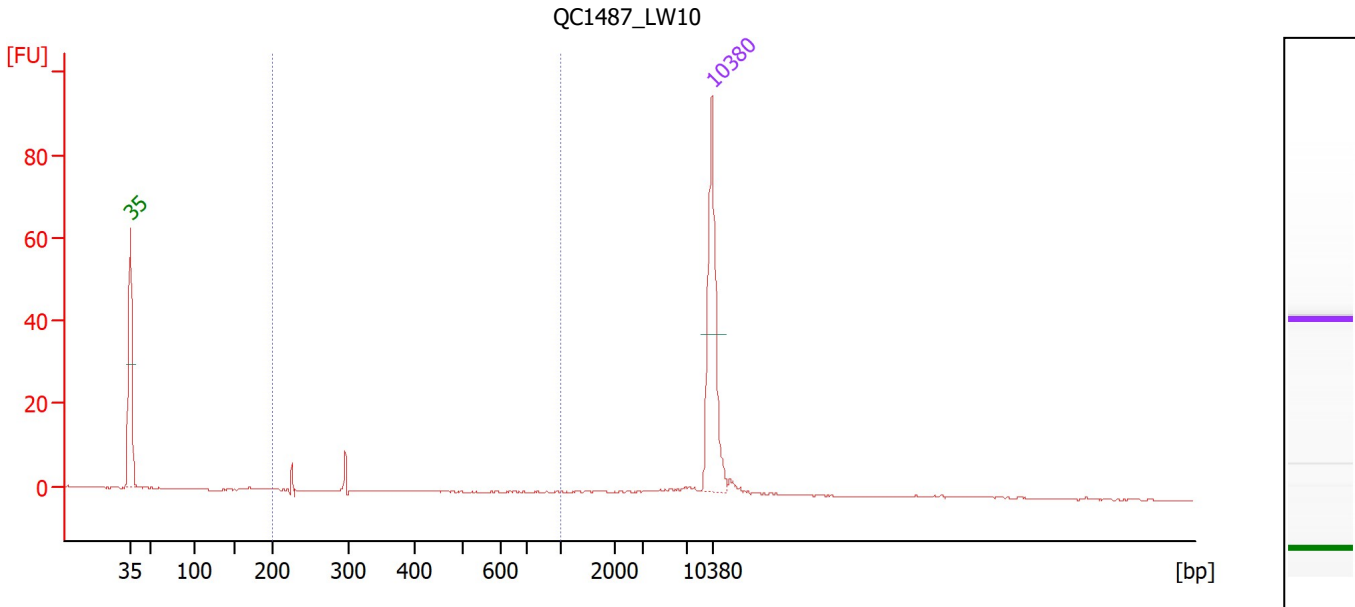
Region table for sample 8 : QC1487 LW11

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	28.8	36	467	43.8	33.01	139.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-05-22_001.xad

Created: 5/22/2023 3:16:12 PM
 Modified: 5/22/2023 4:19:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : QC1487 LW10

Number of peaks found: 0 Corr. Area 1: 8.0
 Noise: 0.1

Peak table for sample 9 : QC1487 LW10

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

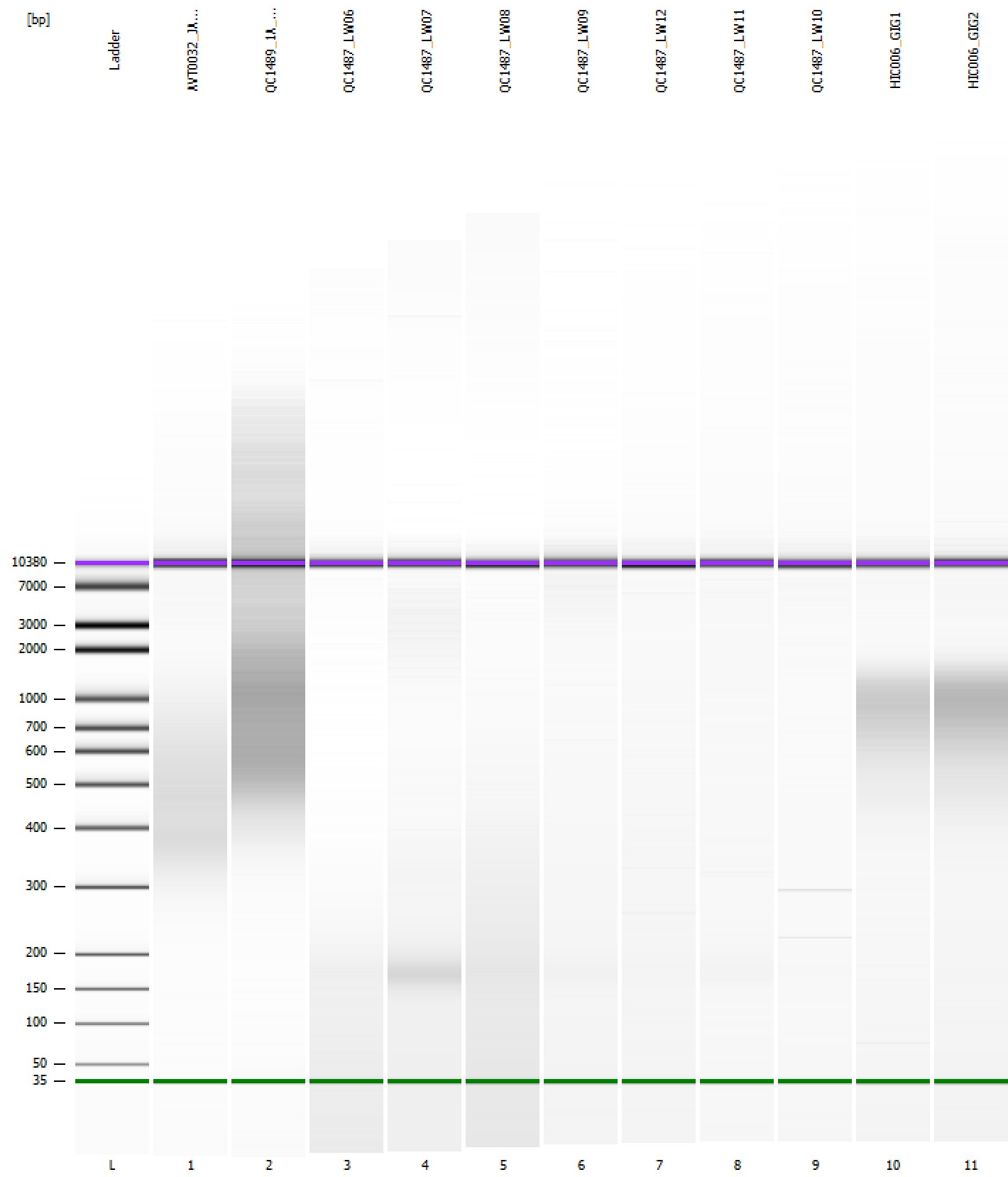
Region table for sample 9 : QC1487 LW10

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	8.0	24	384	54.8	10.87	54.3	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-05-22_001.xad

Created: 5/22/2023 3:16:12 PM
Modified: 5/22/2023 4:19:04 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-05-22_001.xad

Created: 5/22/2023 3:16:12 PM
 Modified: 5/22/2023 4:19:04 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		5/22/2023 3:57:32 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-05-22\Bioanalyzer1_High Sensitivity DNA Assay_2023-05-22_001.xad)		Instrument	Run		5/22/2023 3:16:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/22/2023 3:16:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/22/2023 3:16:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/22/2023 3:16:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/22/2023 3:16:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/22/2023 3:16:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/22/2023 3:16:18 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB