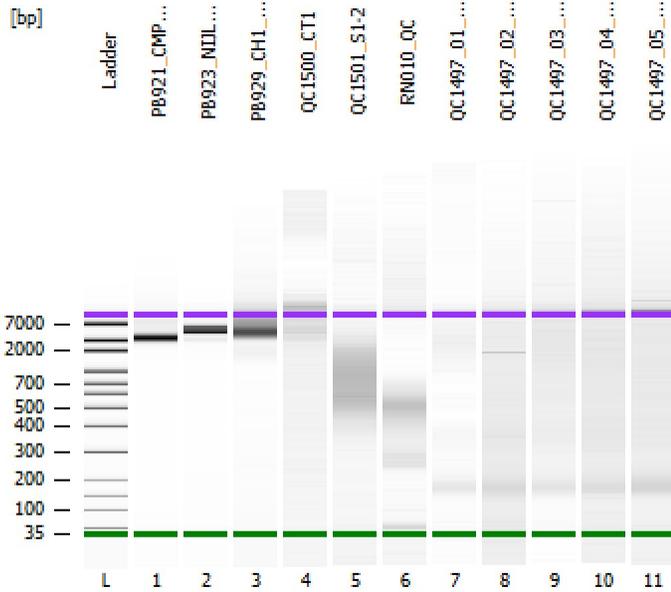


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-06-02_001.xad

Created: 6/2/2023 11:48:05 AM
Modified: 6/2/2023 1:02:46 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

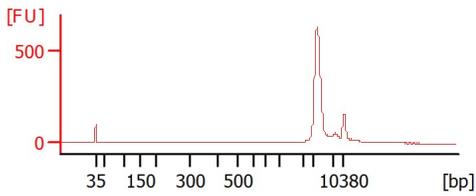
Chip Information:

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

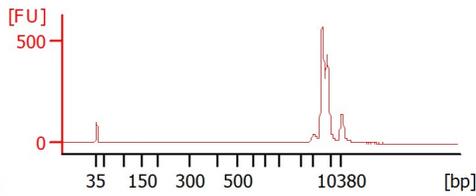
PB921_CMPRA3_Amplicon_QC_pre-lib prep

PB923_NIJL009_Amplicon_QC_pre-lib prep

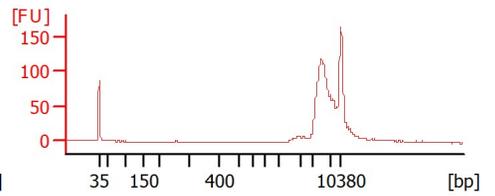
PB929_CH1_Amplicon_QC_pre-lib prep



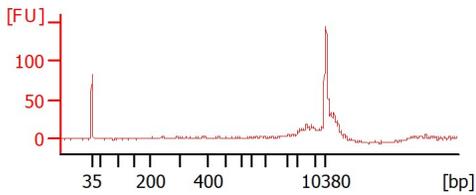
QC1500_CT1



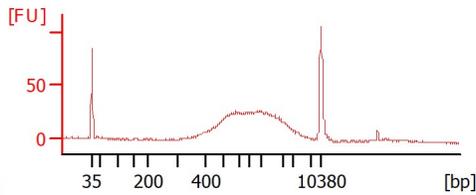
QC1501_S1-2



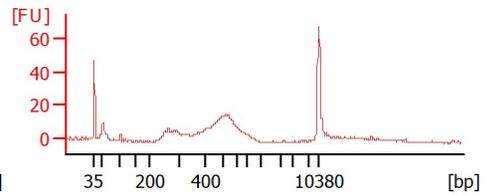
RN010_QC



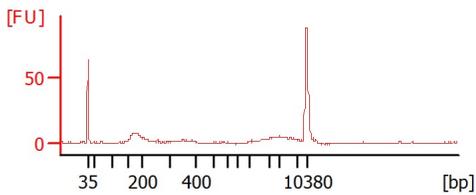
QC1497_01_LWB01



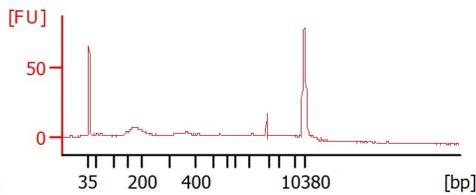
QC1497_02_LWB02



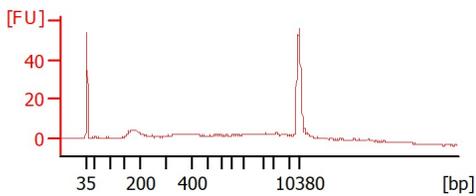
QC1497_03_LWB03



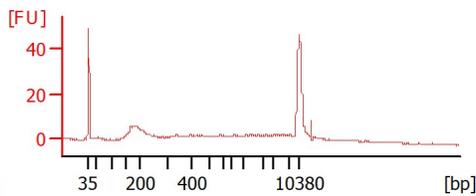
QC1497_04_LWB04



QC1497_05_LWB05



QC1497_04_LWB04



QC1497_05_LWB05

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-06-02_001.xad

Created: 6/2/2023 11:48:05 AM
 Modified: 6/2/2023 1:02:46 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
PB921_CMPRA3_Amplicon_QC_pre-lib prep		<input type="checkbox"/>	✓			
PB923_NIJL009_Amplicon_QC_pre-lib prep		<input type="checkbox"/>	✓			
PB929_CH1_Amplicon_QC_pre-lib prep		<input type="checkbox"/>	✓			
QC1500_CT1		<input type="checkbox"/>	✓			
QC1501_S1-2		<input type="checkbox"/>	✓			
RN010_QC		<input type="checkbox"/>	✓			
QC1497_01_LWB01		<input type="checkbox"/>	✓			
QC1497_02_LWB02		<input type="checkbox"/>	✓			
QC1497_03_LWB03		<input type="checkbox"/>	✓			
QC1497_04_LWB04		<input type="checkbox"/>	✓			
QC1497_05_LWB05		<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_2023-06-02_001.xad

Created: 6/2/2023 11:48:05 AM
 Modified: 6/2/2023 1:02:46 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

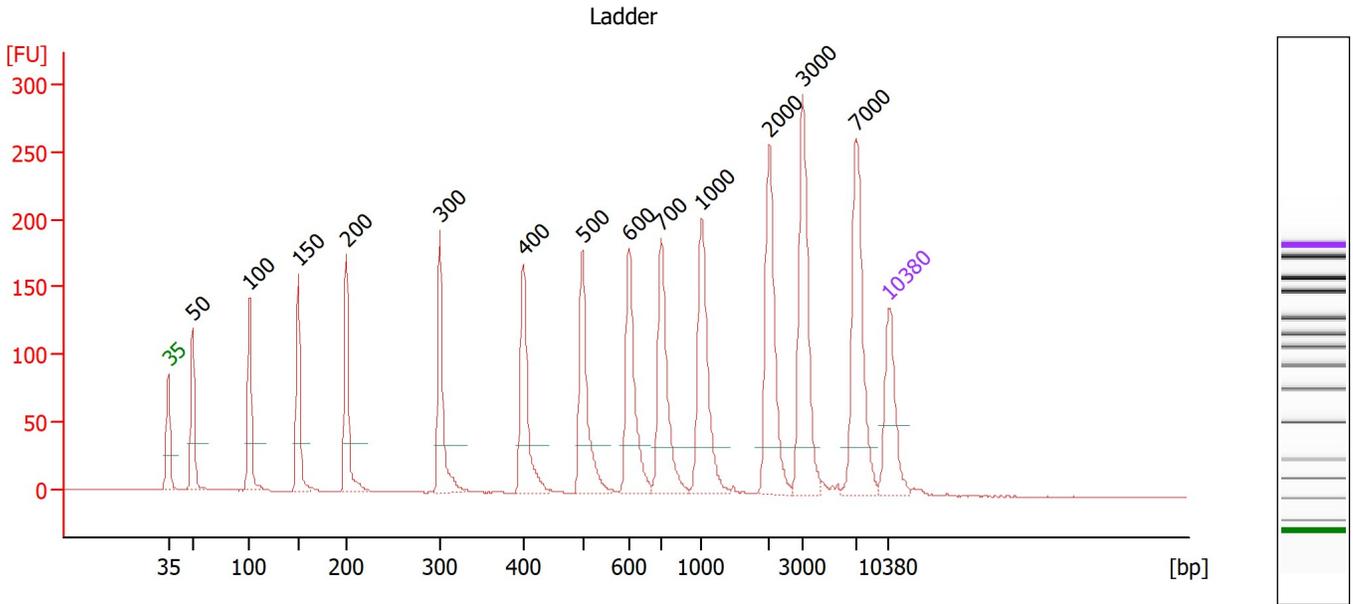
Ladder

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_2023-06-02_001.xad

Created: 6/2/2023 11:48:05 AM
 Modified: 6/2/2023 1:02:46 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

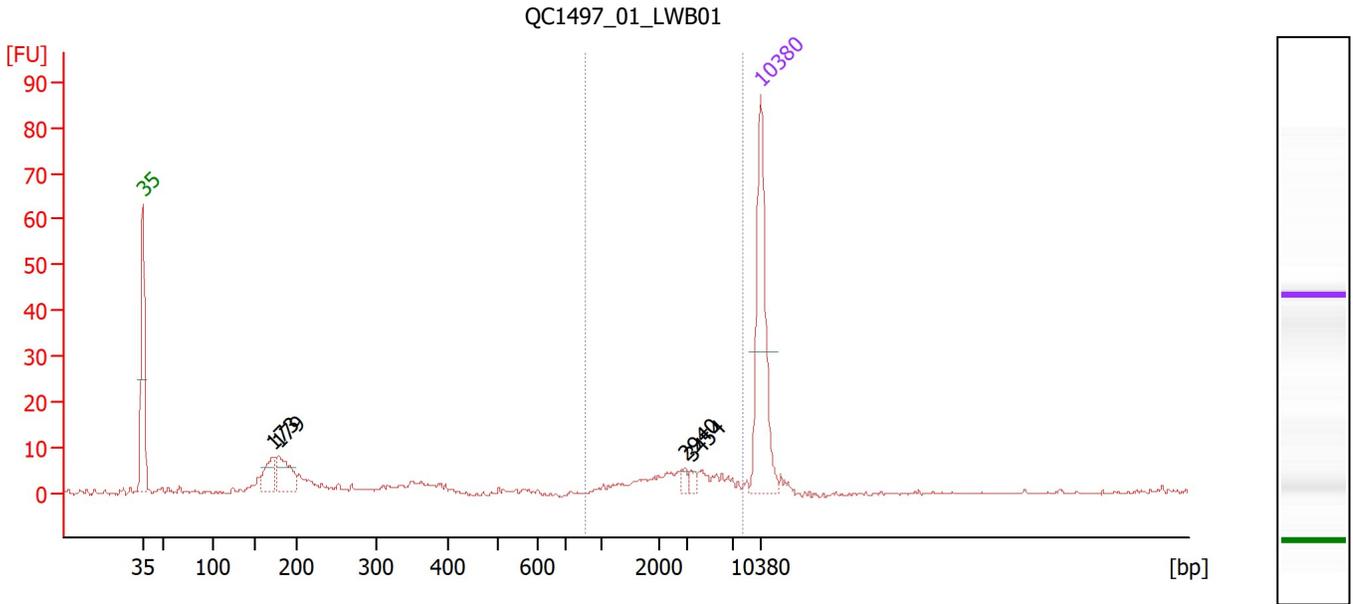
Peak table for Ladder

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_2023-06-02_001.xad

Created: 6/2/2023 11:48:05 AM
 Modified: 6/2/2023 1:02:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : QC1497 01 LWB01

Number of peaks found: 4 Corr. Area 1: 45.3
 Noise: 0.2

Peak table for sample 7 : QC1497 01 LWB01

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	173	22.40	196.3	
3	179	34.09	288.0	
4	2,940	3.14	1.6	
5	3,454	3.44	1.5	
6	10,380	75.00	10.9	Upper Marker

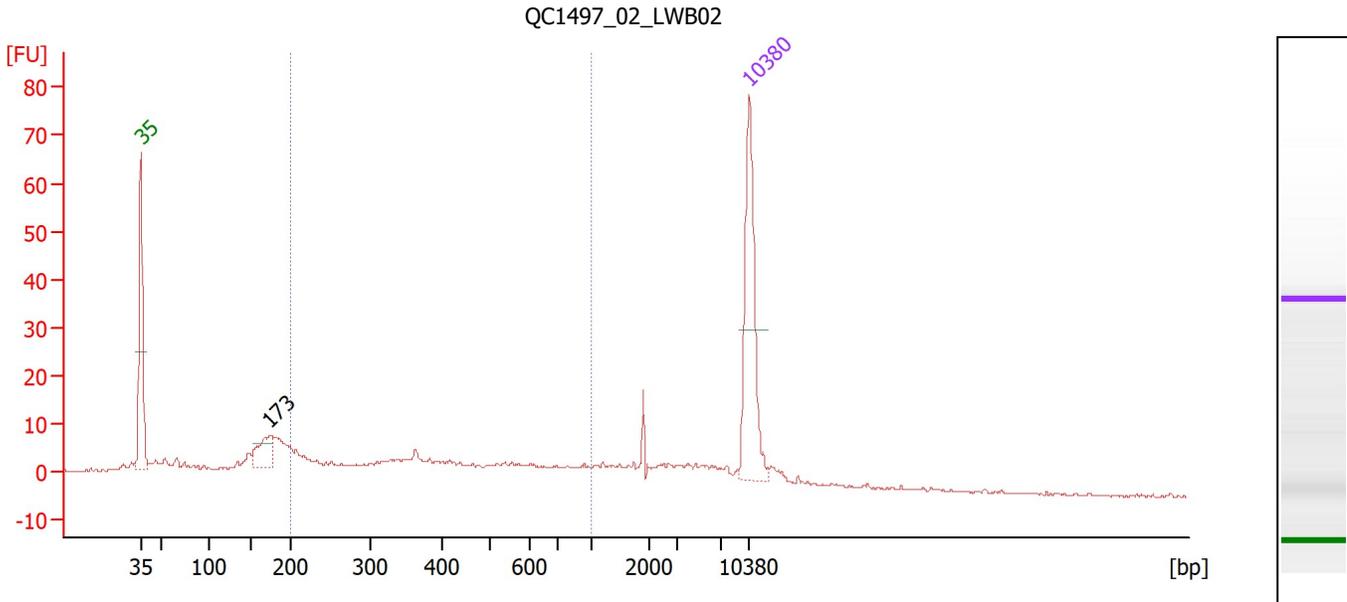
Region table for sample 7 : QC1497 01 LWB01

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
866	8,117	45.3	30	3,328	53.5	40.81	24.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-06-02_001.xad

Created: 6/2/2023 11:48:05 AM
 Modified: 6/2/2023 1:02:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : QC1497 02 LWB02

Number of peaks found: 1 Corr. Area 1: 150.4
 Noise: 0.2

Peak table for sample 8 : QC1497 02 LWB02

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	173	32.01	280.4	
3	10,380	75.00	10.9	Upper Marker

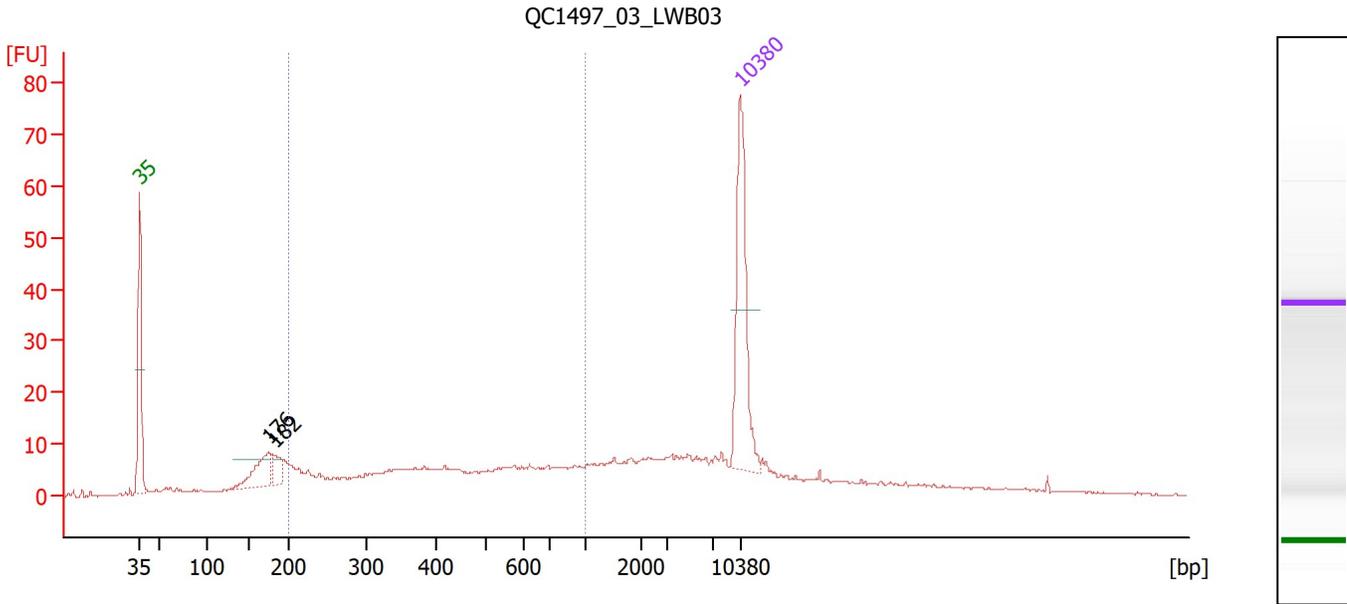
Region table for sample 8 : QC1497 02 LWB02

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	150.4	44	448	43.0	193.03	830.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-06-02_001.xad

Created: 6/2/2023 11:48:05 AM
 Modified: 6/2/2023 1:02:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : QC1497 03 LWB03

Number of peaks found: 2 Corr. Area 1: 171.0
 Noise: 0.1

Peak table for sample 9 : QC1497 03 LWB03

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	176	40.00	345.2	
3	182	16.08	133.8	
4	10,380	75.00	10.9	Upper Marker

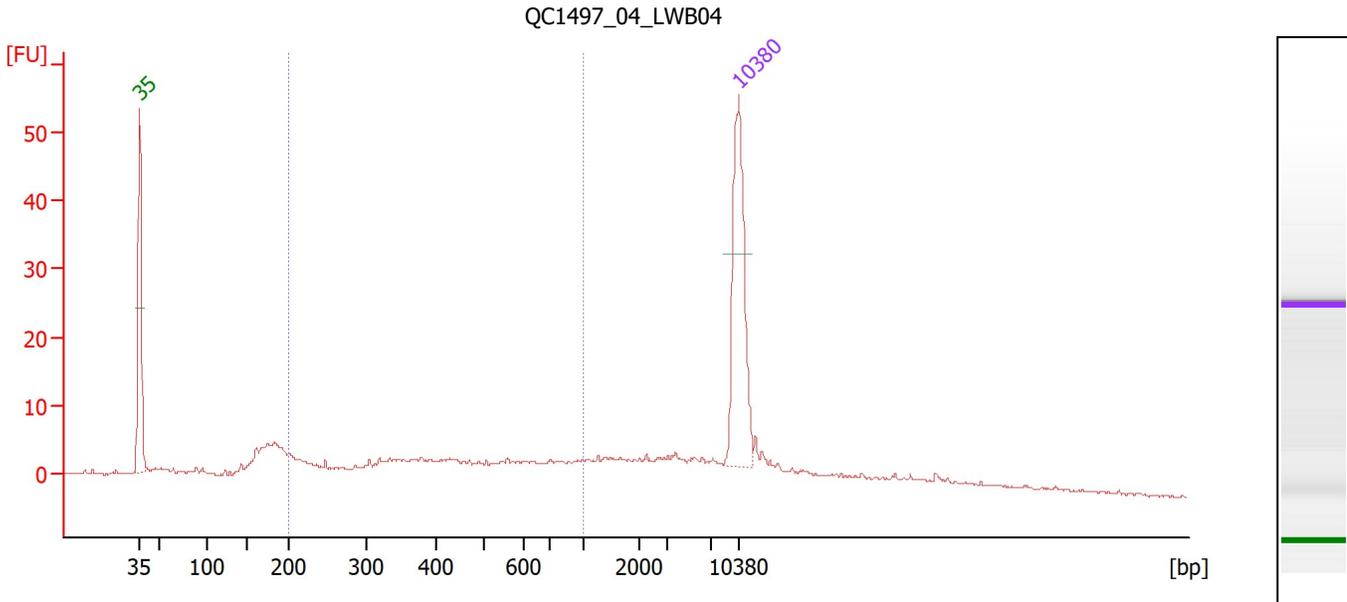
Region table for sample 9 : QC1497 03 LWB03

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	171.0	45	475	42.0	233.84	956.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-06-02_001.xad

Created: 6/2/2023 11:48:05 AM
 Modified: 6/2/2023 1:02:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : QC1497 04 LWB04

Number of peaks found: 0 Corr. Area 1: 112.6
 Noise: 0.2

Peak table for sample 10 : QC1497 04 LWB04

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

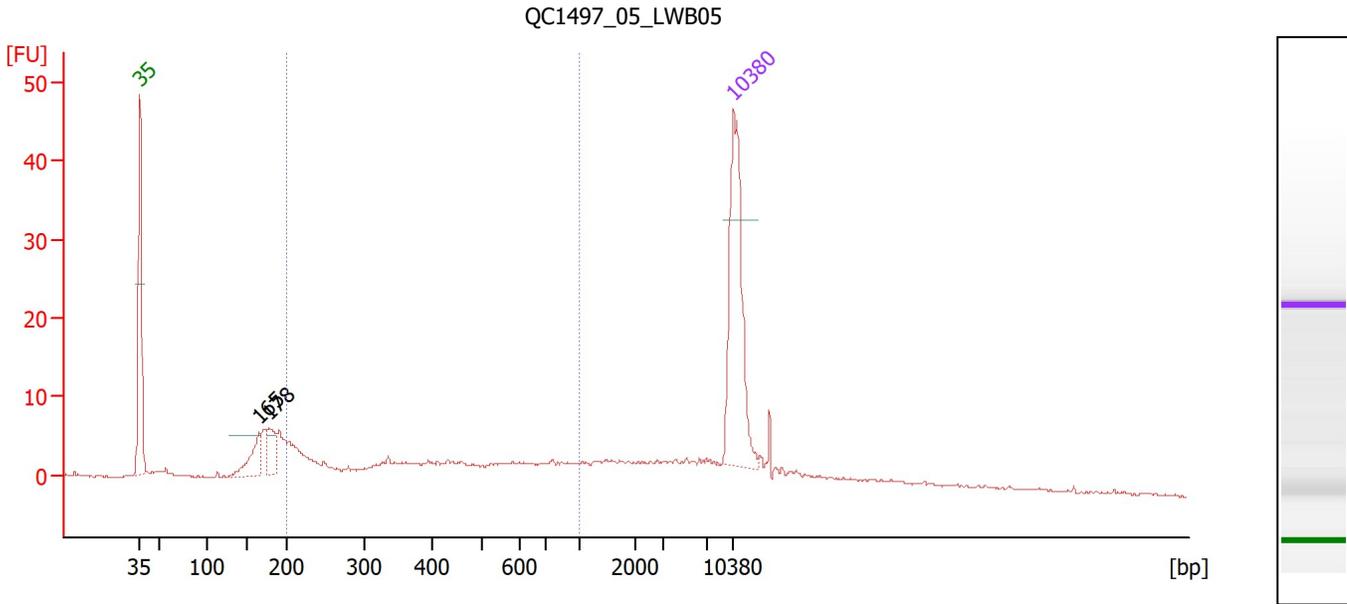
Region table for sample 10 : QC1497 04 LWB04

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	112.6	42	472	41.9	170.17	698.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-06-02_001.xad

Created: 6/2/2023 11:48:05 AM
 Modified: 6/2/2023 1:02:46 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : QC1497_05_LWB05

Number of peaks found: 2 Corr. Area 1: 102.0
 Noise: 0.2

Peak table for sample 11 : QC1497_05_LWB05

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	165	24.62	226.4	
3	178	18.47	157.2	
4	10,380	75.00	10.9	Upper Marker

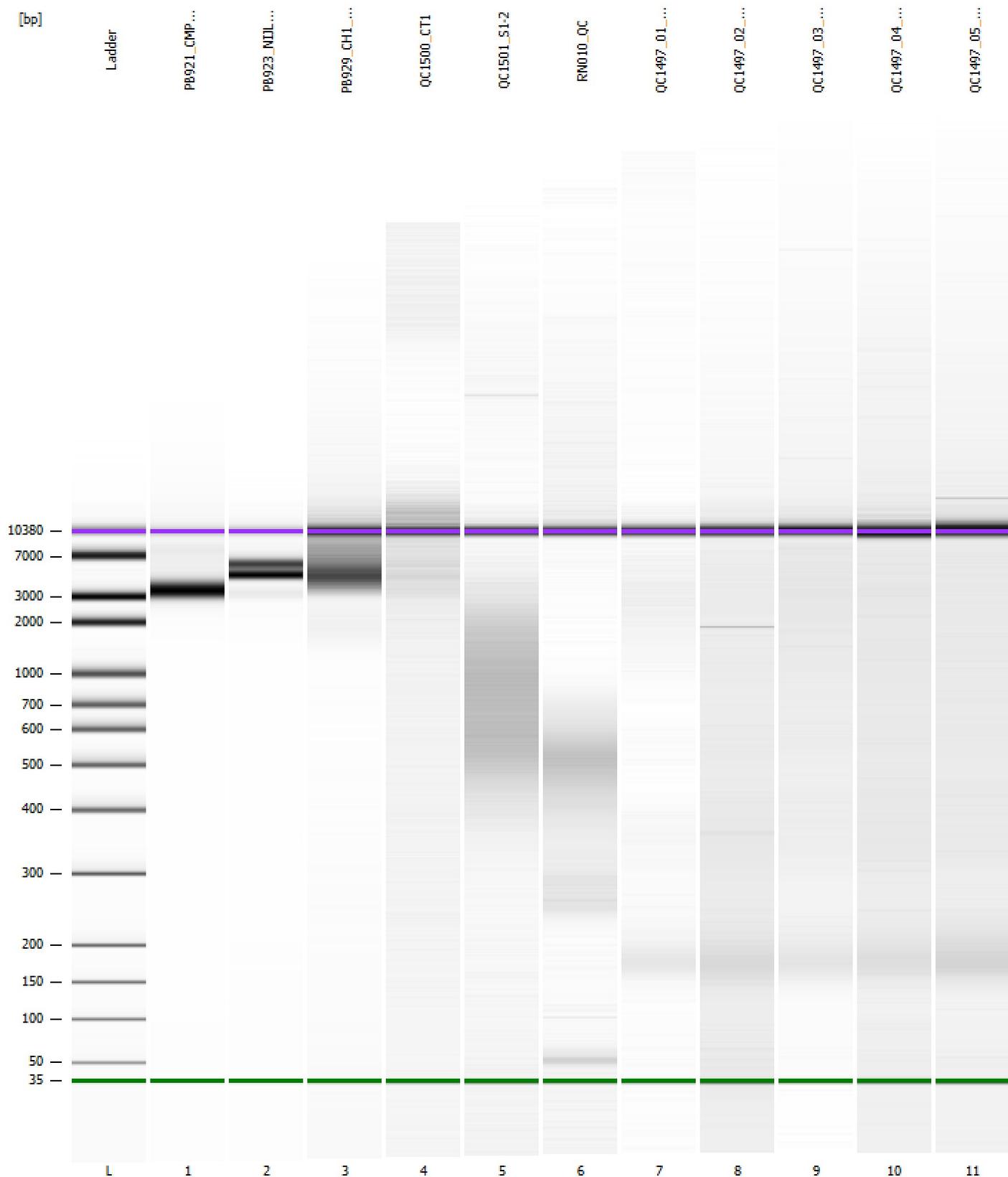
Region table for sample 11 : QC1497_05_LWB05

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	102.0	43	459	44.1	173.39	751.5	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-06-02_001.xad

Created: 6/2/2023 11:48:05 AM
Modified: 6/2/2023 1:02:46 PM

Gel Image

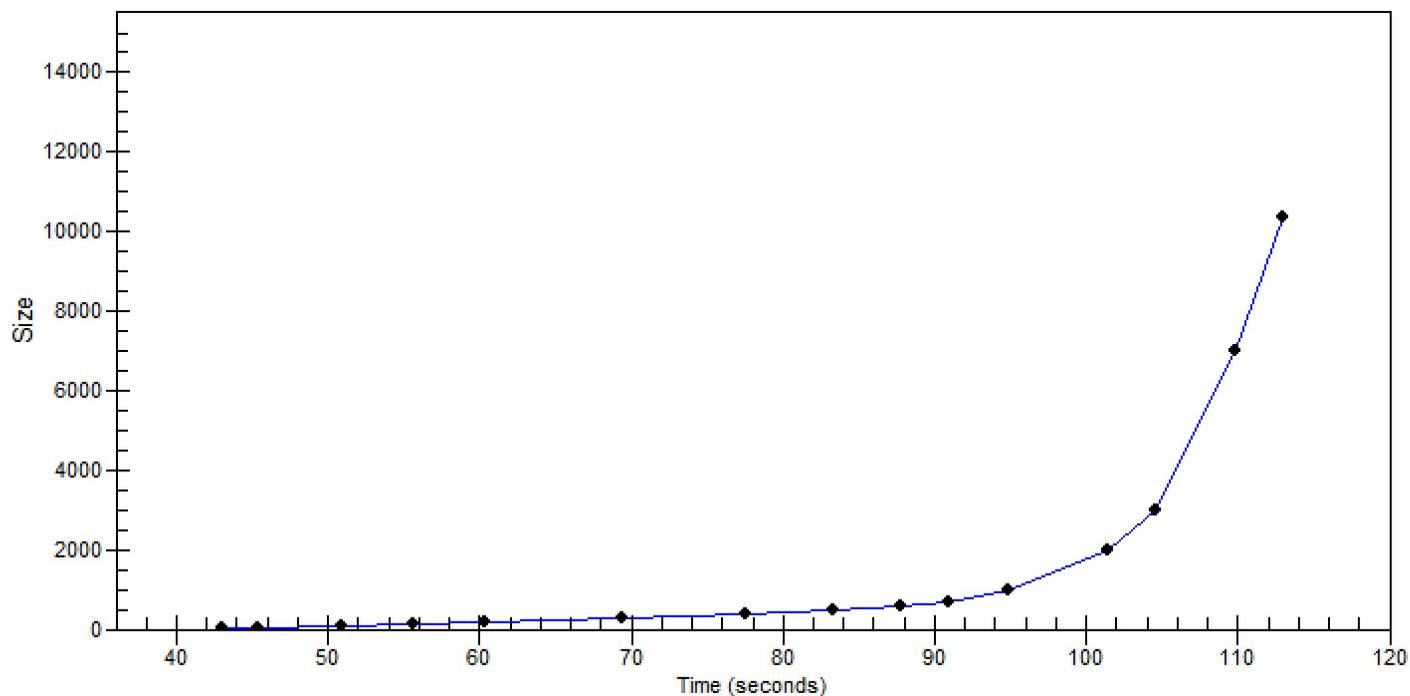


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-06-02_001.xad

Created: 6/2/2023 11:48:05 AM
Modified: 6/2/2023 1:02:46 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-06-02_001.xad
 Created: 6/2/2023 11:48:05 AM
 Modified: 6/2/2023 1:02:46 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
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Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-06-02\Bioanalyzer1_High Sensitivity DNA Assay_2023-06-02_001.xad)		Instrument	Run		6/2/2023 11:48:11 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		6/2/2023 11:48:11 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		6/2/2023 11:48:11 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		6/2/2023 11:48:11 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		6/2/2023 11:48:11 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		6/2/2023 11:48:11 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		6/2/2023 11:48:11 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB