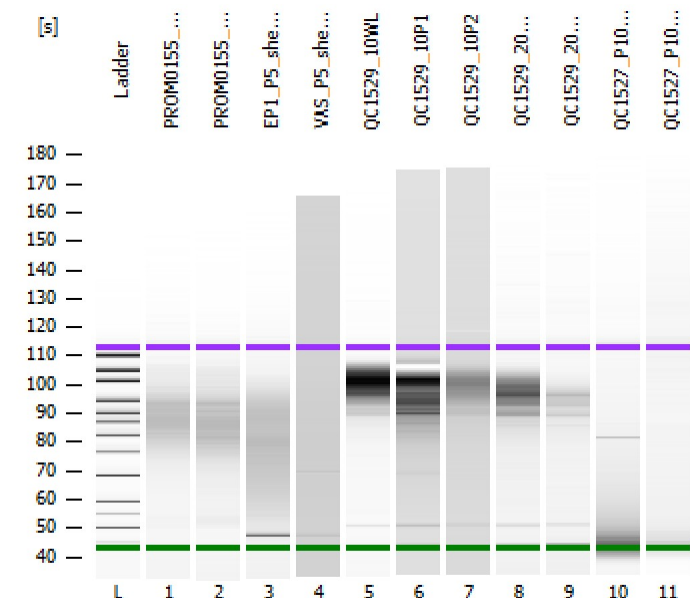


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-06-30_001.xad

Created: 6/30/2023 2:30:36 PM
Modified: 6/30/2023 4:04:04 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152
Serial#: DE34903152

Firmware: C.01.069
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

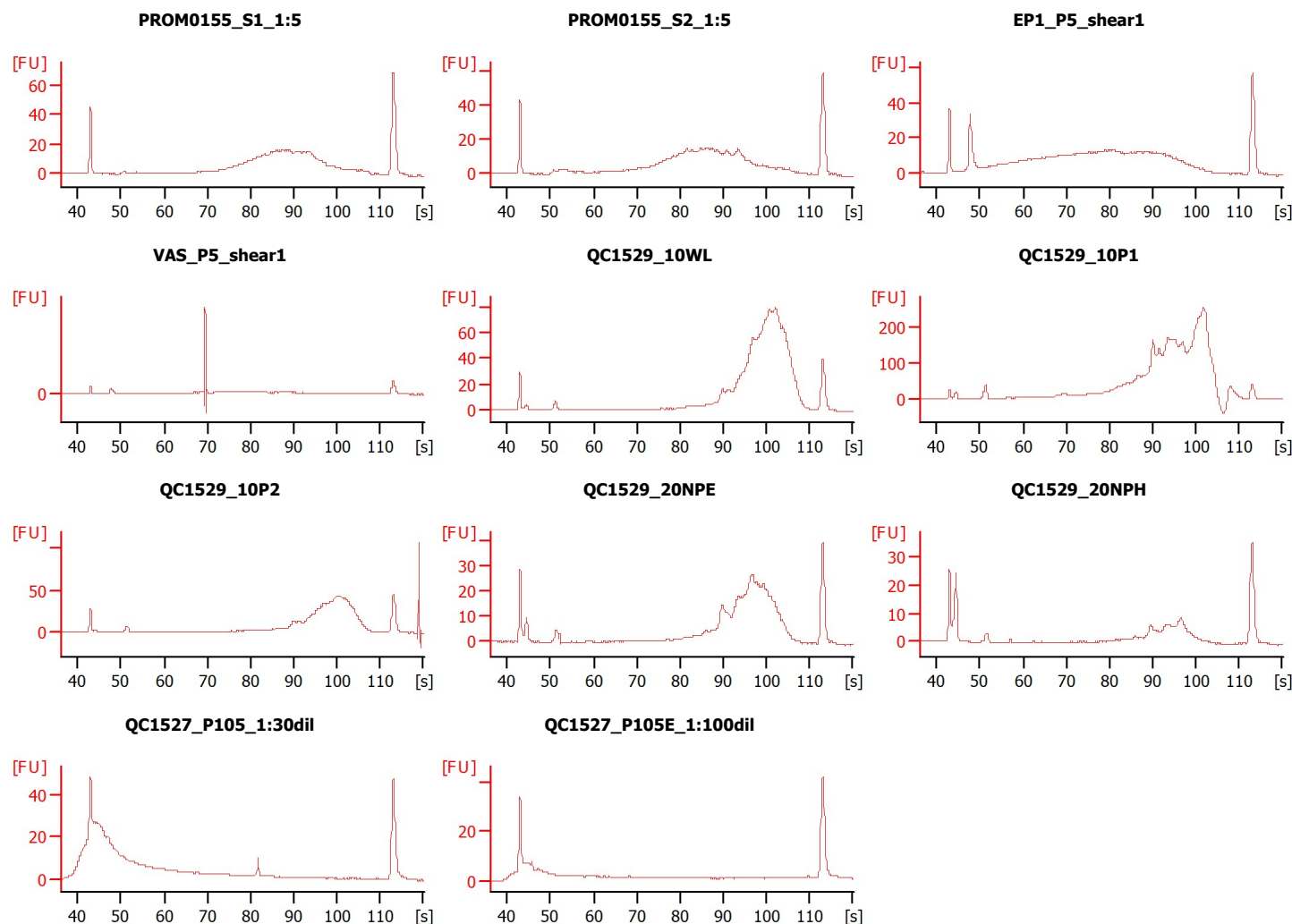
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-06-30_001.xad

Created: 6/30/2023 2:30:36 PM
 Modified: 6/30/2023 4:04:04 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
PROM0155_S1_1:5		☐	✓			
PROM0155_S2_1:5		☐	✓			
EP1_P5_shear1		☐	✓			
VAS_P5_shear1		☐	✓			
QC1529_10WL		☐	✓			
QC1529_10P1		☐	✓			
QC1529_10P2		☐	✓			
QC1529_20NPE		☐	✓			
QC1529_20NPH		☐	✓			
QC1527_P105_1:30dil		☐	✓			
QC1527_P105E_1:100dil		☐	✓			
Ladder		☐	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-06-30_001.xad

Created: 6/30/2023 2:30:36 PM
 Modified: 6/30/2023 4:04:04 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

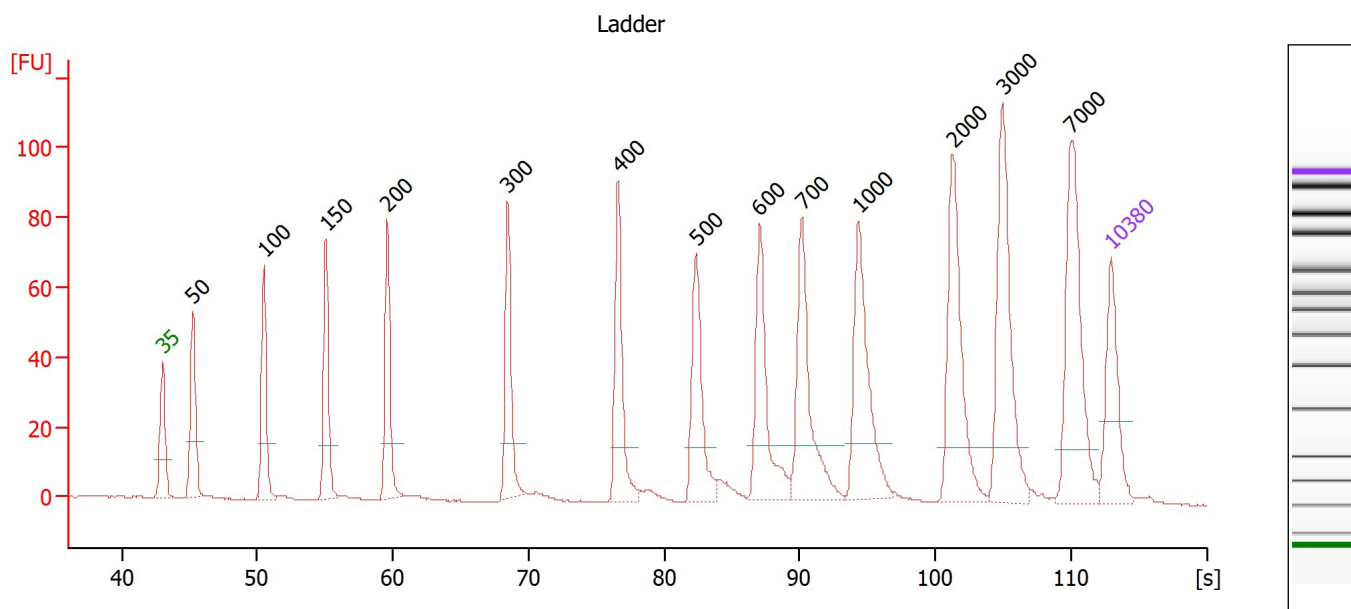
Ladder

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_2023-06-30_001.xad

Created: 6/30/2023 2:30:36 PM
 Modified: 6/30/2023 4:04:04 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

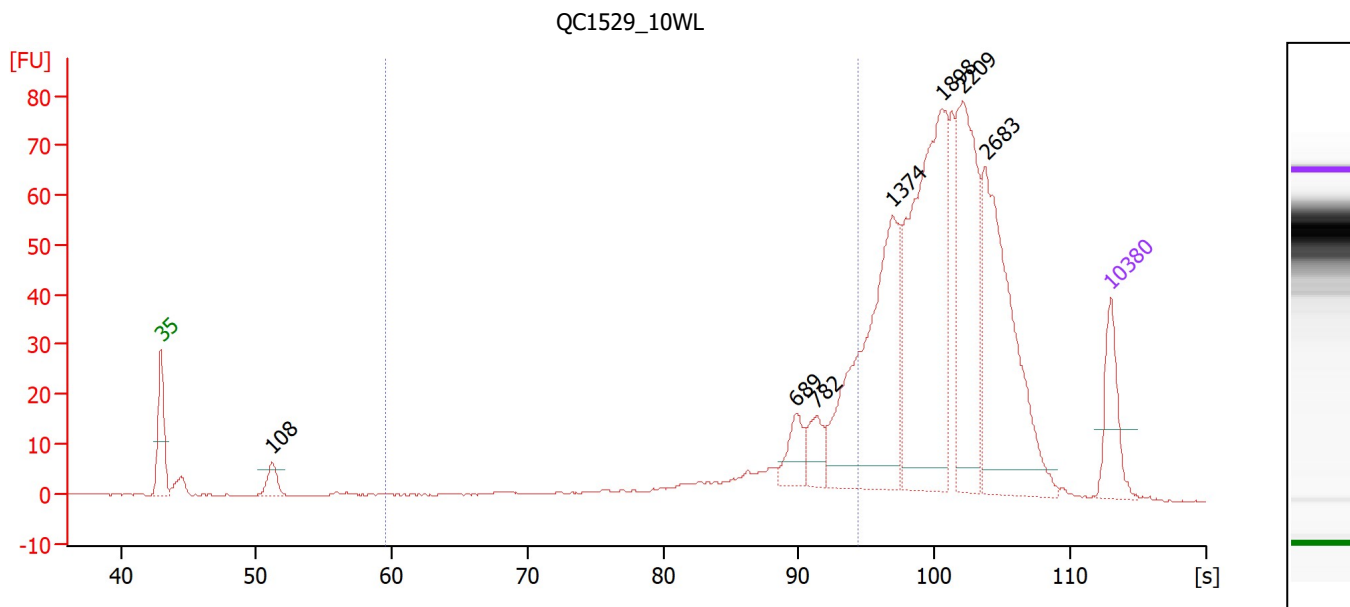
Peak table for Ladder

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_2023-06-30_001.xad

Created: 6/30/2023 2:30:36 PM
Modified: 6/30/2023 4:04:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : QC1529 10WL

Number of peaks found: 7 Corr. Area 1: 149.2
Noise: 0.1

Peak table for sample 5 : QC1529 10WL

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	108	39.62	557.3	
3	689	55.85	122.7	
4	782	51.72	100.2	
5	1,374	391.79	432.1	
6	1,898	445.47	355.6	
7	2,209	258.52	177.3	
8	2,683	336.51	190.1	
9	10,380	75.00	10.9	Upper Marker

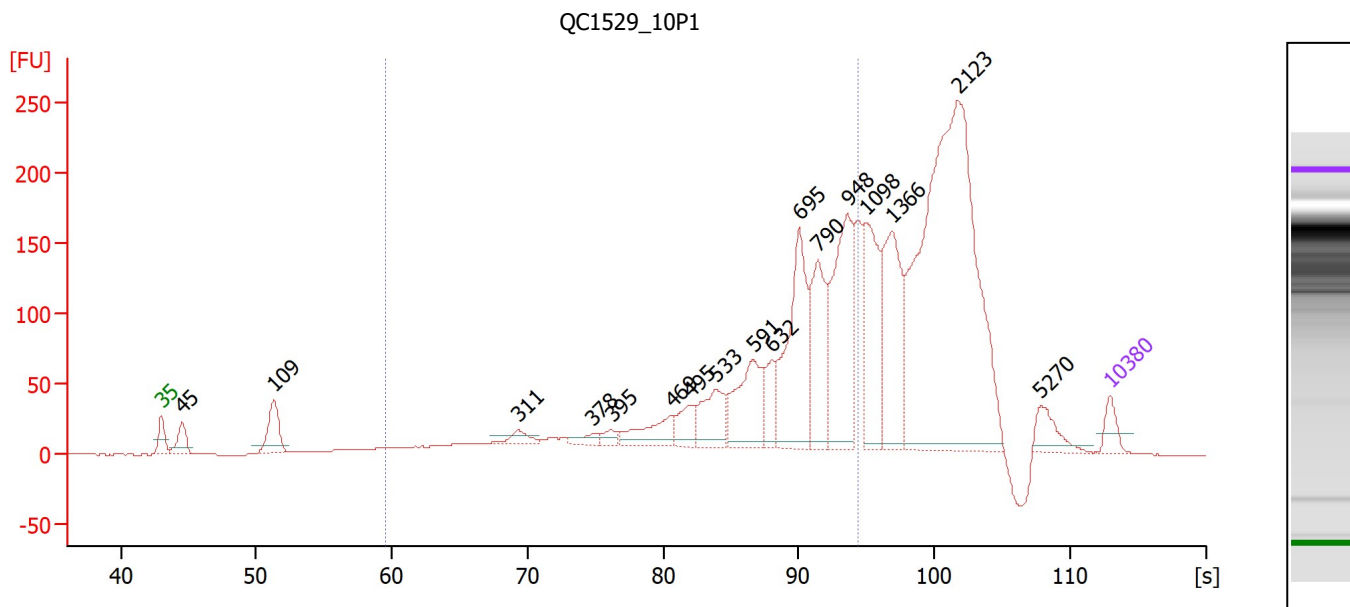
Region table for sample 5 : QC1529 10WL

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
59.62	94.36	149.2	18	722	26.1	402.47	971.4	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-06-30_001.xad

Created: 6/30/2023 2:30:36 PM
Modified: 6/30/2023 4:04:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : QC1529_10P1

Number of peaks found: 17 Corr. Area 1: 1,470.7
Noise: 0.1

Peak table for sample 6 : QC1529_10P1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	45	148.44	4,979.7	
3	109	261.26	3,626.3	
4	311	66.80	325.7	
5	378	51.91	208.3	
6	395	48.52	186.3	
7	469	197.02	636.5	
8	495	138.07	423.0	
9	533	253.35	720.1	
10	591	395.97	1,014.7	
11	632	153.35	367.9	
12	695	747.06	1,627.7	
13	790	465.39	892.4	
14	948	747.66	1,194.7	
15	1,098	501.57	692.4	
16	1,366	578.82	642.2	
17	2,123	2,395.97	1,709.6	
18	5,270	124.83	35.9	
19	10,380	75.00	10.9	Upper Marker

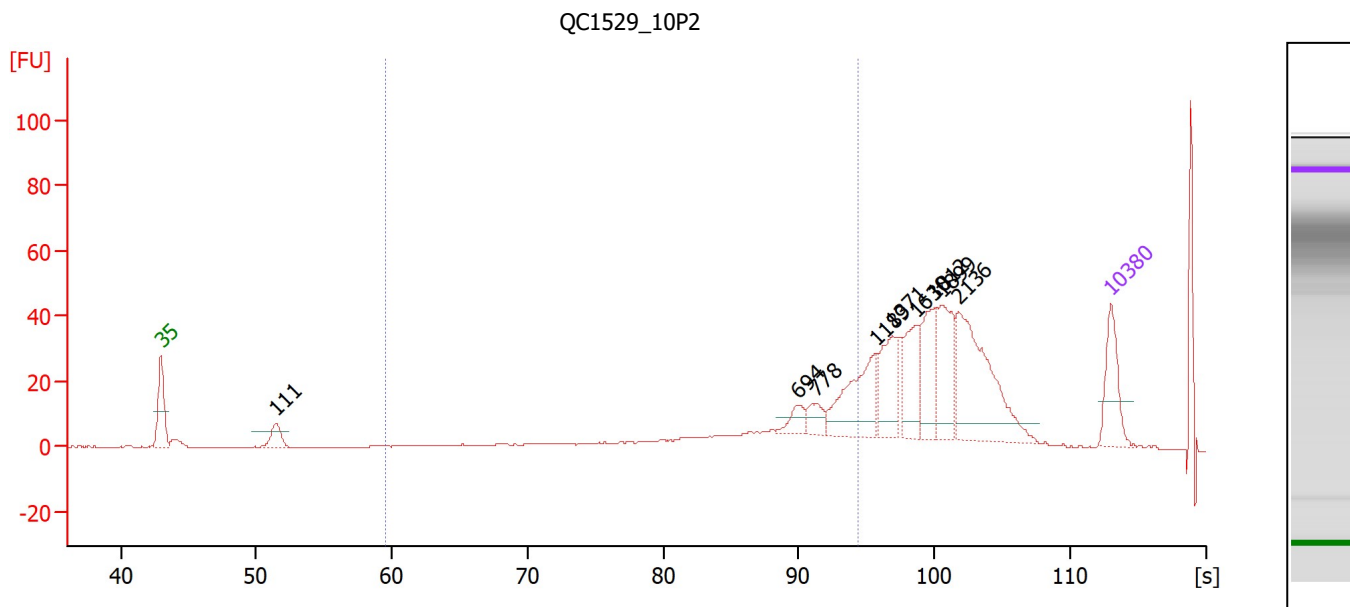
Region table for sample 6 : QC1529_10P1

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
59.62	94.36	1,470.7	45	663	30.6	4,327.80	11,962.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-06-30_001.xad

Created: 6/30/2023 2:30:36 PM
 Modified: 6/30/2023 4:04:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : QC1529_10P2

Number of peaks found: 9 Corr. Area 1: 142.9
 Noise: 0.2

Peak table for sample 7 : QC1529_10P2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	111	46.38	634.4	
3	694	30.73	67.1	
4	778	34.93	68.1	
5	1,189	133.92	170.7	
6	1,371	96.23	106.4	
7	1,630	87.24	81.1	
8	1,812	92.30	77.2	
9	1,899	104.97	83.8	
10	2,136	222.42	157.8	
11	10,380	75.00	10.9	Upper Marker

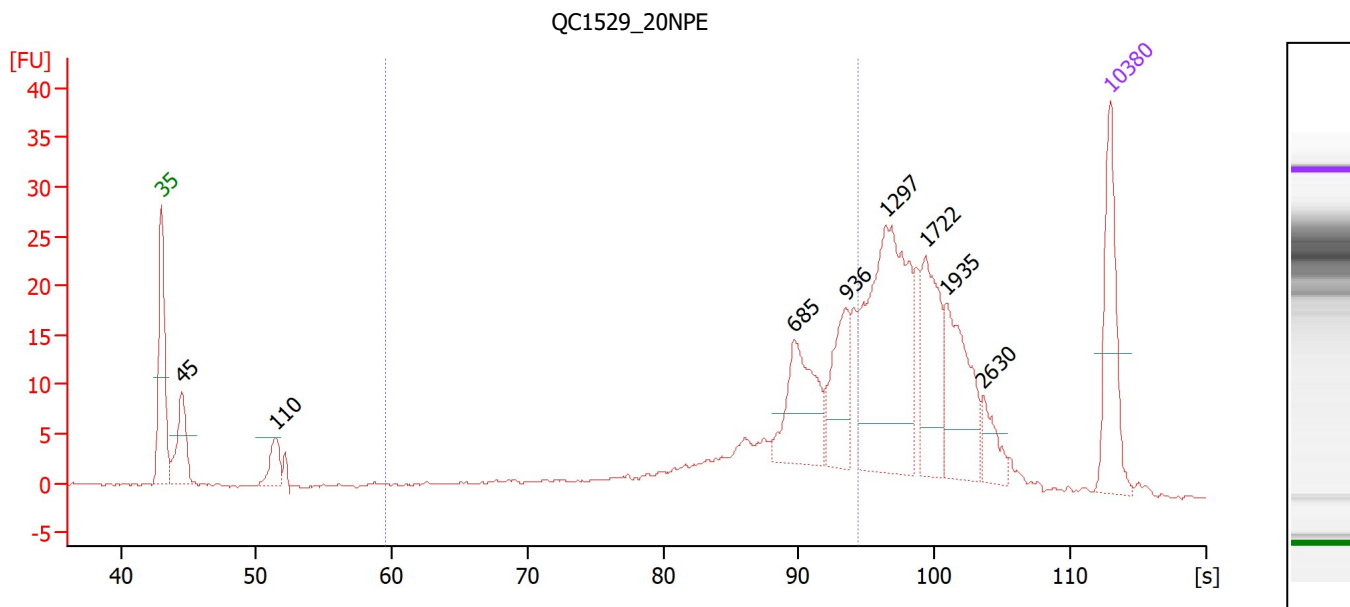
Region table for sample 7 : QC1529_10P2

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
59.62	94.36	142.9	26	677	30.4	388.39	1,050.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-06-30_001.xad

Created: 6/30/2023 2:30:36 PM
Modified: 6/30/2023 4:04:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : QC1529_20NPE

Number of peaks found: 8 Corr. Area 1: 126.9
Noise: 0.2

Peak table for sample 8 : QC1529_20NPE

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	45	68.82	2,304.3	
3	110	34.38	473.9	
4	685	96.87	214.3	
5	936	62.30	100.8	
6	1,297	219.09	255.9	
7	1,722	81.00	71.3	
8	1,935	82.59	64.7	
9	2,630	24.05	13.9	
10	10,380	75.00	10.9	Upper Marker

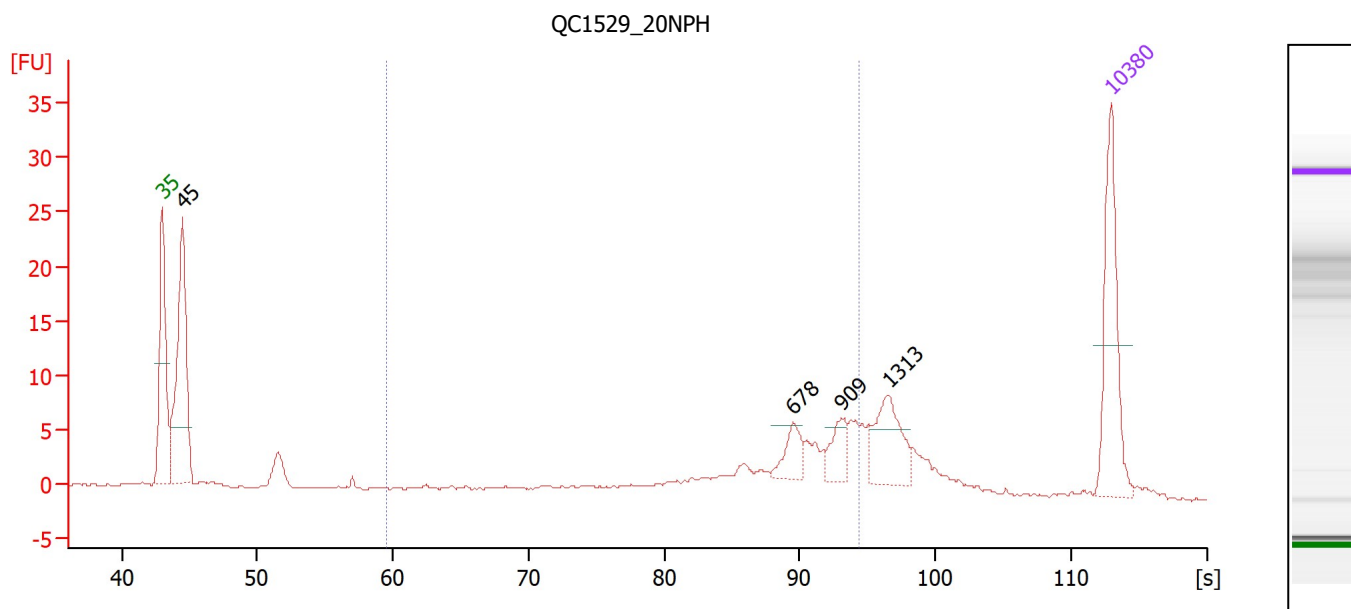
Region table for sample 8 : QC1529_20NPE

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
59.62	94.36	126.9	37	699	27.4	389.37	983.5	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-06-30_001.xad

Created: 6/30/2023 2:30:36 PM
Modified: 6/30/2023 4:04:04 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : QC1529_20NPH

Number of peaks found: 4 Corr. Area 1: 53.2
Noise: 0.1

Peak table for sample 9 : QC1529_20NPH

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	45	182.43	6,160.9	
3	678	23.01	51.4	Upper Marker
4	909	21.47	35.8	
5	1,313	47.81	55.2	
6	10,380	75.00	10.9	

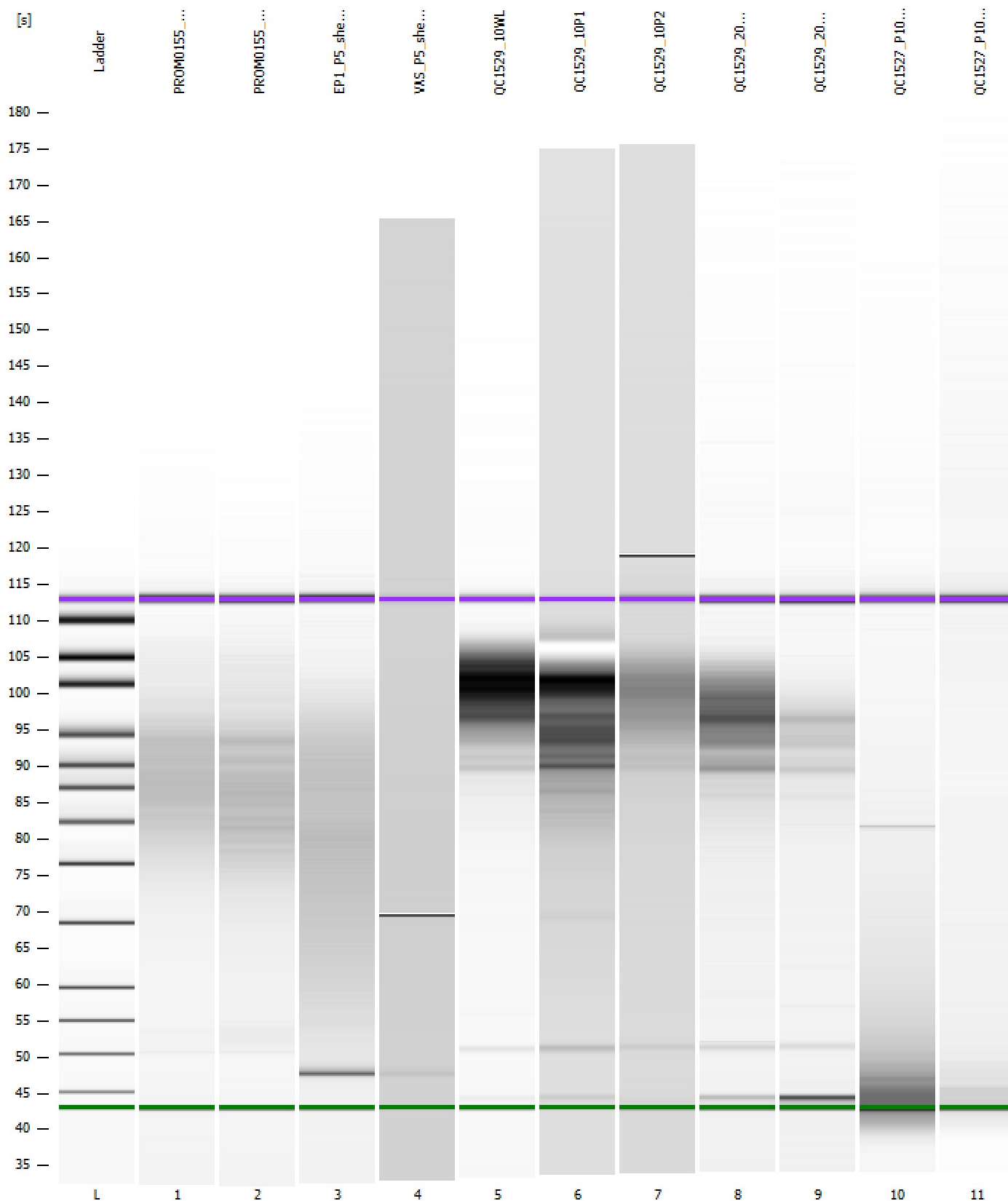
Region table for sample 9 : QC1529_20NPH

From [s]	To [s]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
59.62	94.36	53.2	38	687	27.9	169.27	436.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-06-30_001.xad

Created: 6/30/2023 2:30:36 PM
 Modified: 6/30/2023 4:04:04 PM

Gel Image

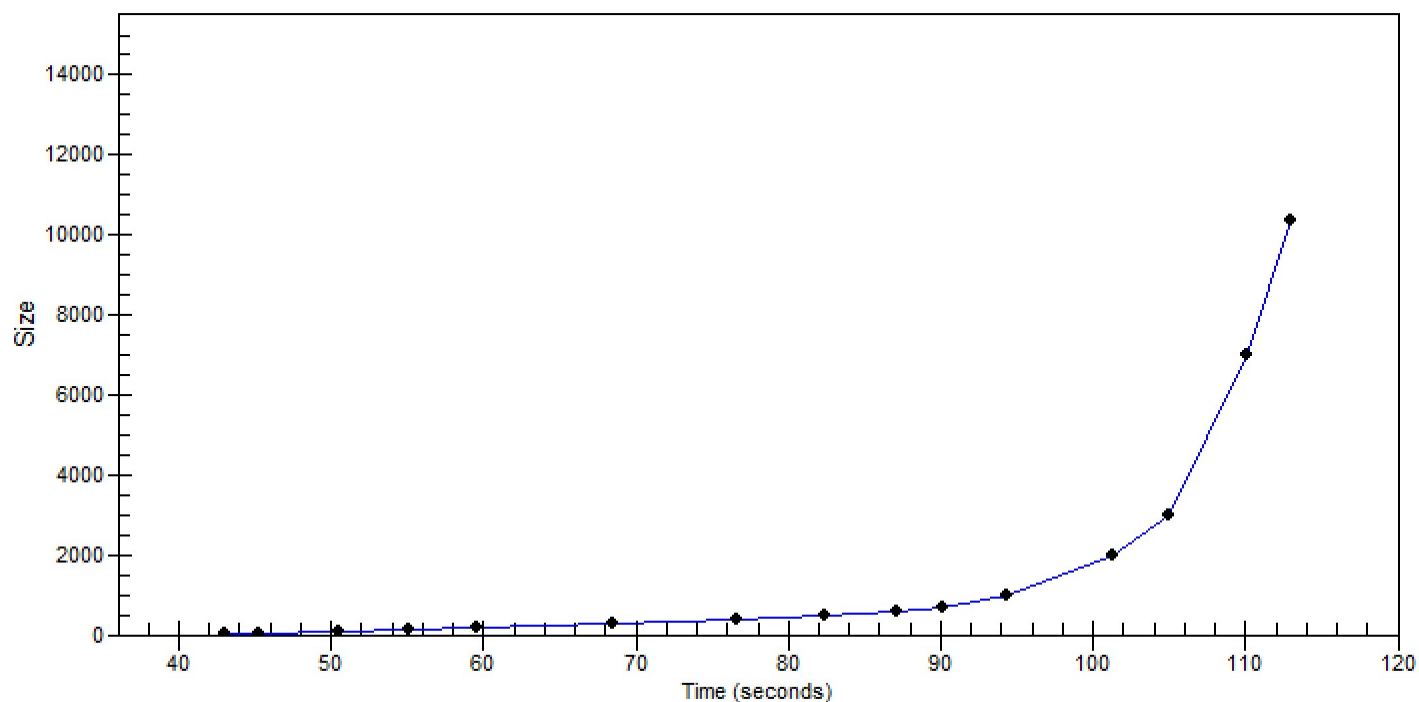


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-06-30_001.xad

Created: 6/30/2023 2:30:36 PM
 Modified: 6/30/2023 4:04:04 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...\Bioanalyzer1_High Sensitivity DNA Assay_2023-06-30_001.xad

Created: 6/30/2023 2:30:36 PM
 Modified: 6/30/2023 4:04:04 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		6/30/2023 3:11:56 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-06-30\Bioanalyzer1_High Sensitivity DNA Assay_2023-06-30_001.xad)		Instrument	Run		6/30/2023 2:30:42 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Product Number : G2938C		Instrument	Run		6/30/2023 2:30:42 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Name :		Instrument	Run		6/30/2023 2:30:42 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Vendor : Agilent Technologies		Instrument	Run		6/30/2023 2:30:42 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Serial# : DE34903152		Instrument	Run		6/30/2023 2:30:42 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Firmware : C.01.069		Instrument	Run		6/30/2023 2:30:42 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Cartridge : Electrode		Instrument	Run		6/30/2023 2:30:42 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB