

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-06-15\QC1513.xad

Created: 6/15/2023 3:47:16 PM
Modified: 6/15/2023 4:38:48 PM

Electrophoresis File Run Summary

Instrument Information:

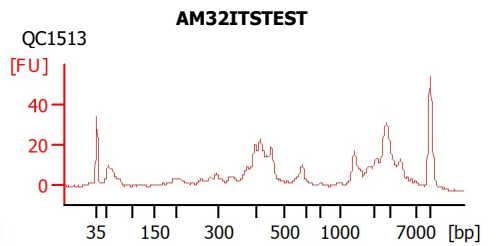
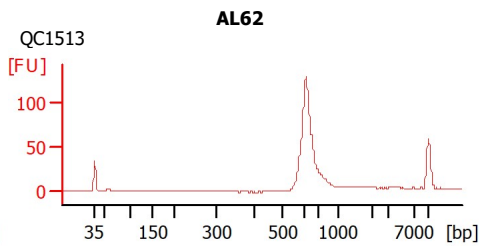
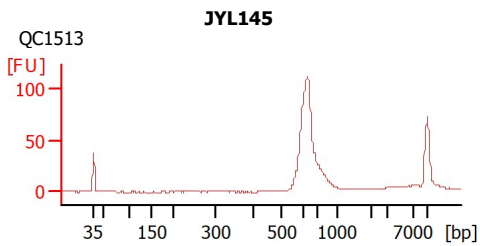
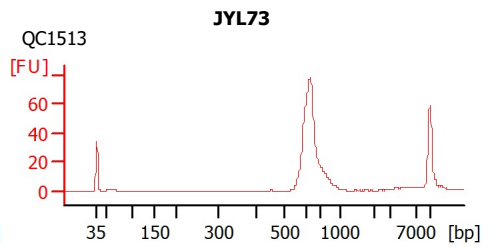
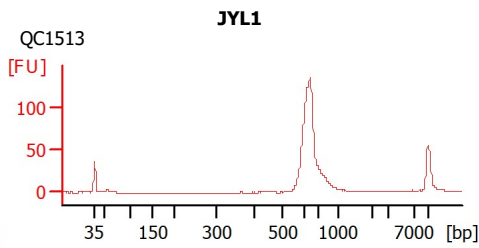
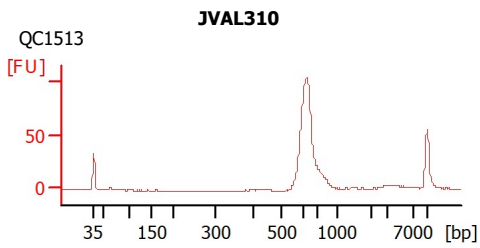
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
JVAL310	QC1513	<input type="checkbox"/>	✓			
JYL1	QC1513	<input type="checkbox"/>	✓			
JYL73	QC1513	<input type="checkbox"/>	✓			
JYL145	QC1513	<input type="checkbox"/>	✓			
AL62	QC1513	<input type="checkbox"/>	✓			
AM32ITSTEST	QC1513	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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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

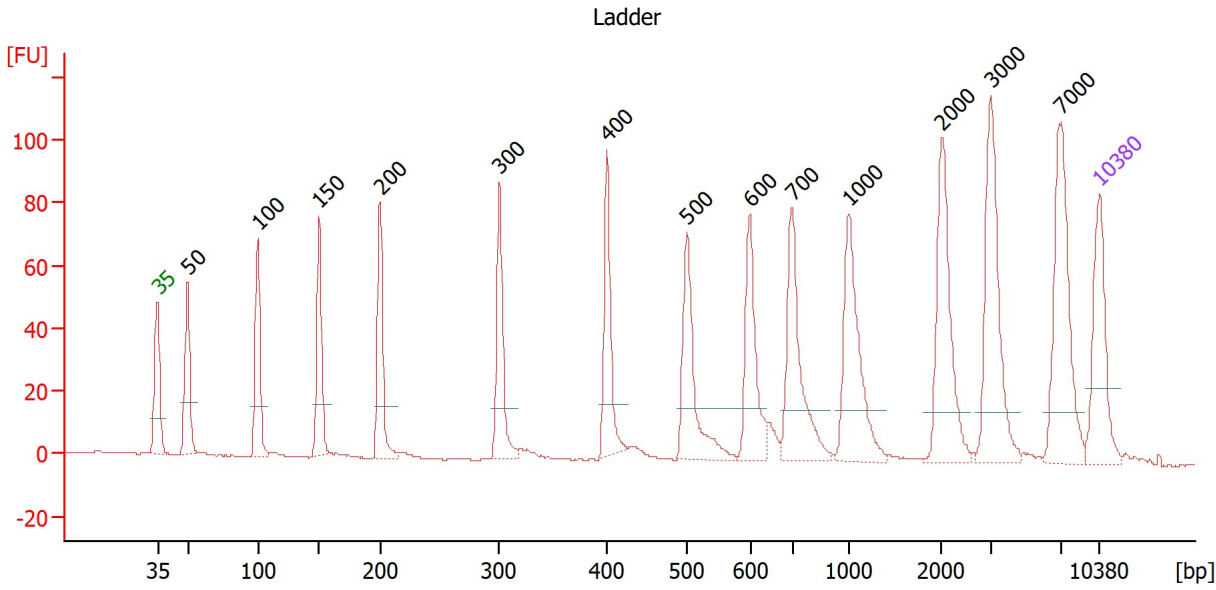
Ladder

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

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

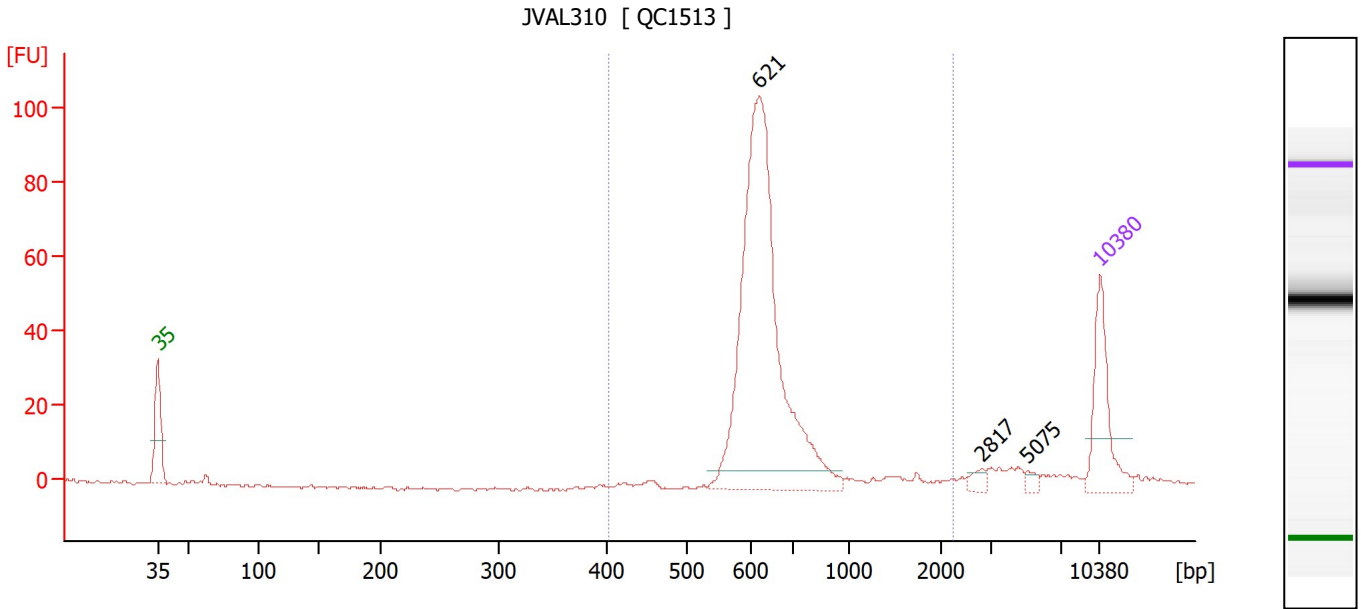
Peak table for Ladder

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

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Electropherogram Summary Continued ...



Overall Results for sample 4 : JVAL310

Number of peaks found: 3 Corr. Area 1: 376.3
 Noise: 0.4

Peak table for sample 4 : JVAL310

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	621	566.47	1,381.8	
3	2,817	9.11	4.9	
4	5,075	6.06	1.8	
5	10,380	75.00	10.9	Upper Marker

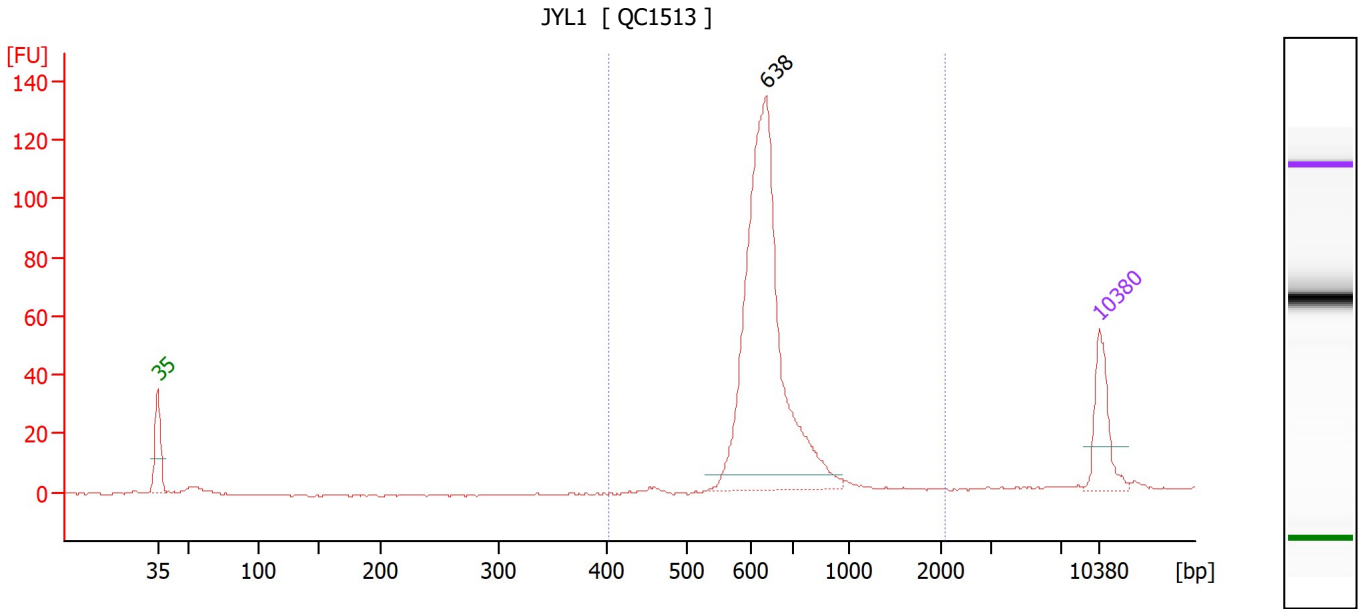
Region table for sample 4 : JVAL310

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
403	2,236	376.3	83	697	35.2	597.21	1,388.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-06-15\QC1513.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : JYL1

Number of peaks found: 1 Corr. Area 1: 473.7
 Noise: 0.3

Peak table for sample 5 : JYL1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	638	755.67	1,793.3	
3	10,380	75.00	10.9	Upper Marker

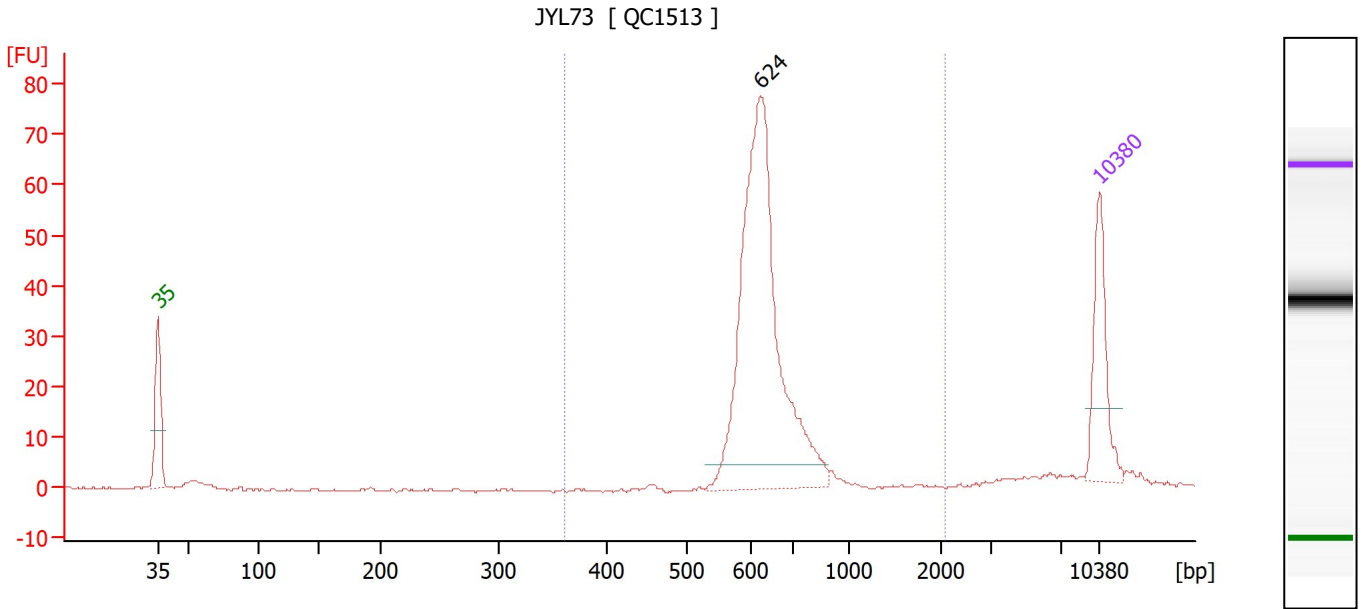
Region table for sample 5 : JYL1

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
402	2,049	473.7	81	685	29.3	848.70	1,974.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-06-15\QC1513.xad

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Electropherogram Summary Continued ...



Overall Results for sample 6 : JYL73

Number of peaks found: 1 Corr. Area 1: 280.5
 Noise: 0.3

Peak table for sample 6 : JYL73

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	624	479.24	1,163.9	
3	10,380	75.00	10.9	Upper Marker

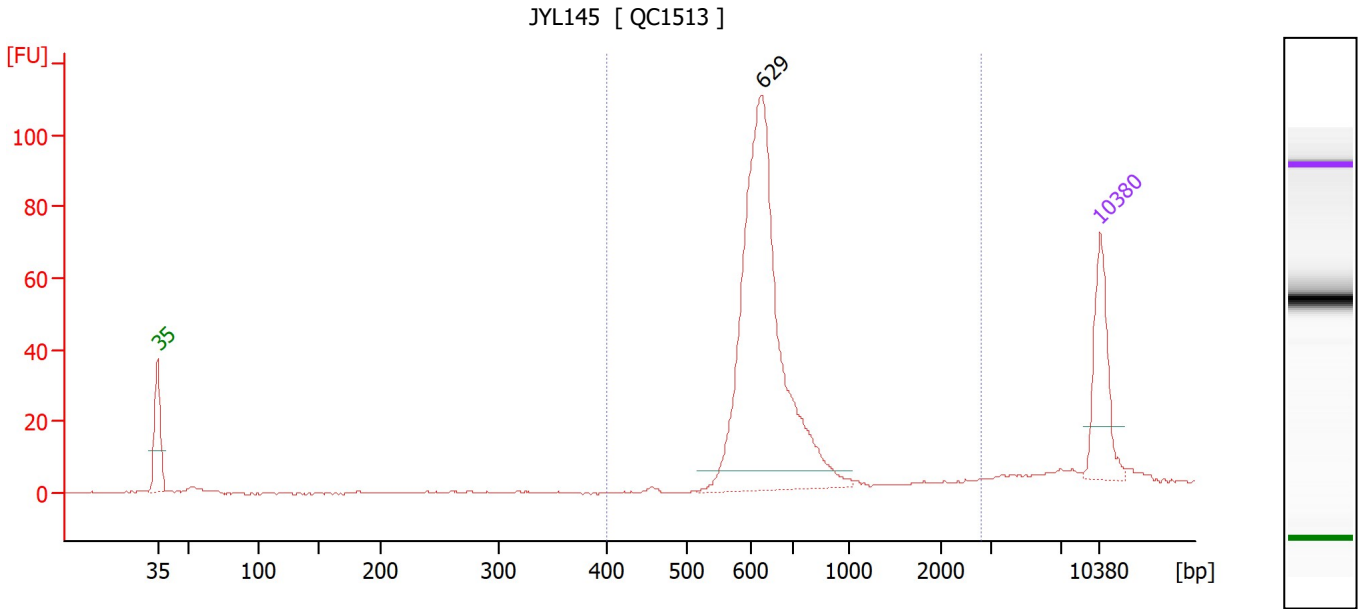
Region table for sample 6 : JYL73

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
361	2,061	280.5	83	675	28.6	524.77	1,234.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-06-15\QC1513.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : JYL145

Number of peaks found: 1 Corr. Area 1: 435.7
 Noise: 0.2

Peak table for sample 7 : JYL145

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	629	535.56	1,290.8	
3	10,380	75.00	10.9	Upper Marker

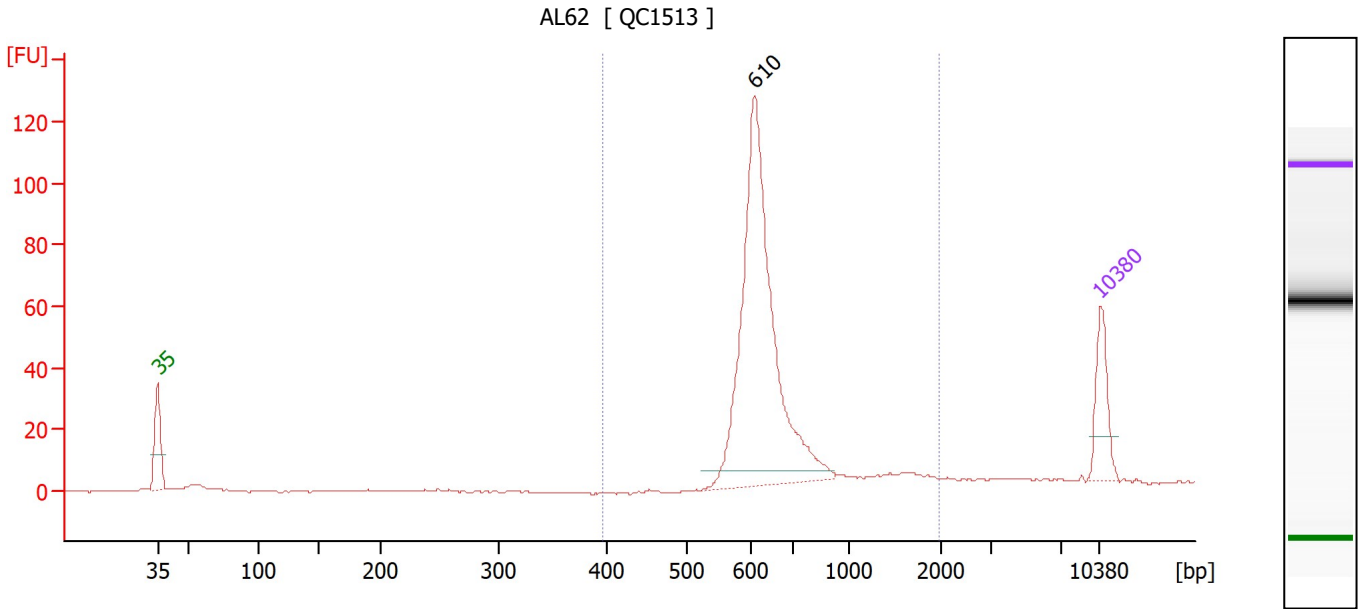
Region table for sample 7 : JYL145

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
401	2,791	435.7	76	748	49.4	620.14	1,415.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-06-15\QC1513.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : AL62

Number of peaks found: 1 Corr. Area 1: 434.4
 Noise: 0.3

Peak table for sample 8 : AL62

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	610	709.04	1,760.4	
3	10,380	75.00	10.9	Upper Marker

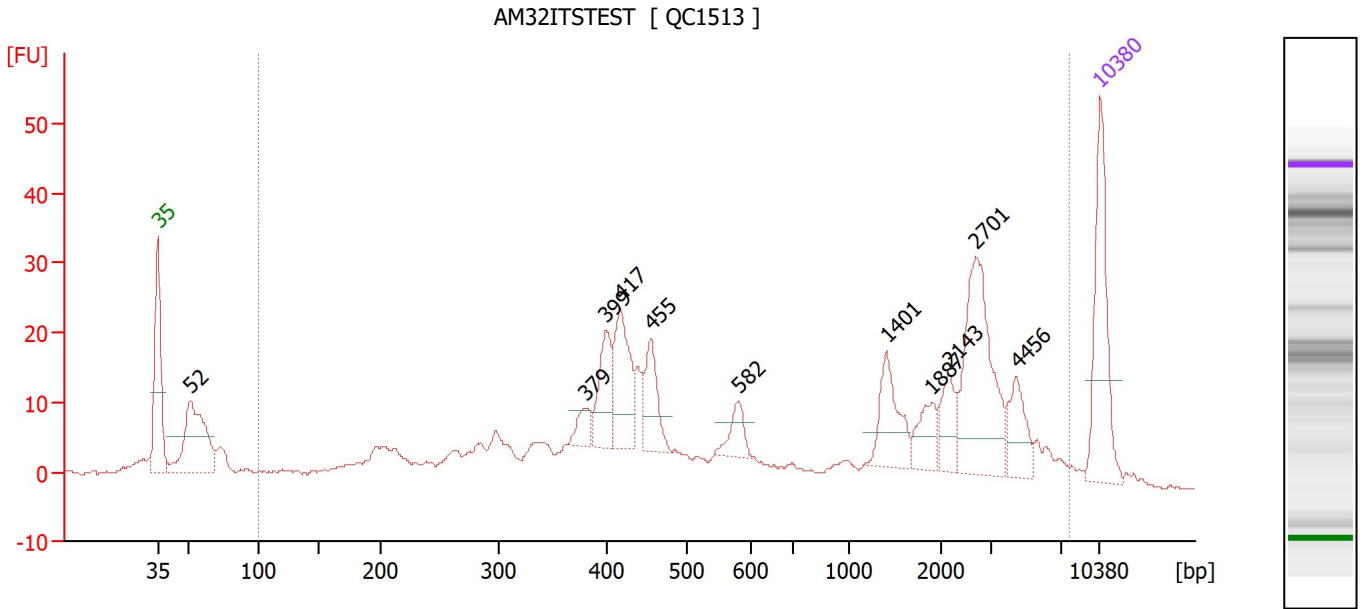
Region table for sample 8 : AL62

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
396	1,974	434.4	72	733	39.4	885.49	2,017.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\Users\sbsuser\Desktop\2023-06-15\QC1513.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : AM32ITSTEST

Number of peaks found: 11 Corr. Area 1: 455.4
 Noise: 0.3

Peak table for sample 9 : AM32ITSTEST

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	52	116.06	3,369.7	
3	379	17.75	70.9	
4	399	49.33	187.3	
5	417	71.23	258.7	
6	455	43.77	145.6	
7	582	20.99	54.7	
8	1,401	45.41	49.1	
9	1,887	23.41	18.8	
10	2,143	24.88	17.6	
11	2,701	107.54	60.3	
12	4,456	29.54	10.0	
13	10,380	75.00	10.9	Upper Marker

Region table for sample 9 : AM32ITSTEST

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
100	7,688	455.4	87	1,515	99.3	962.50	3,152.4	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-06-15\QC1513.xad

Created: 6/15/2023 3:47:16 PM
Modified: 6/15/2023 4:38:48 PM

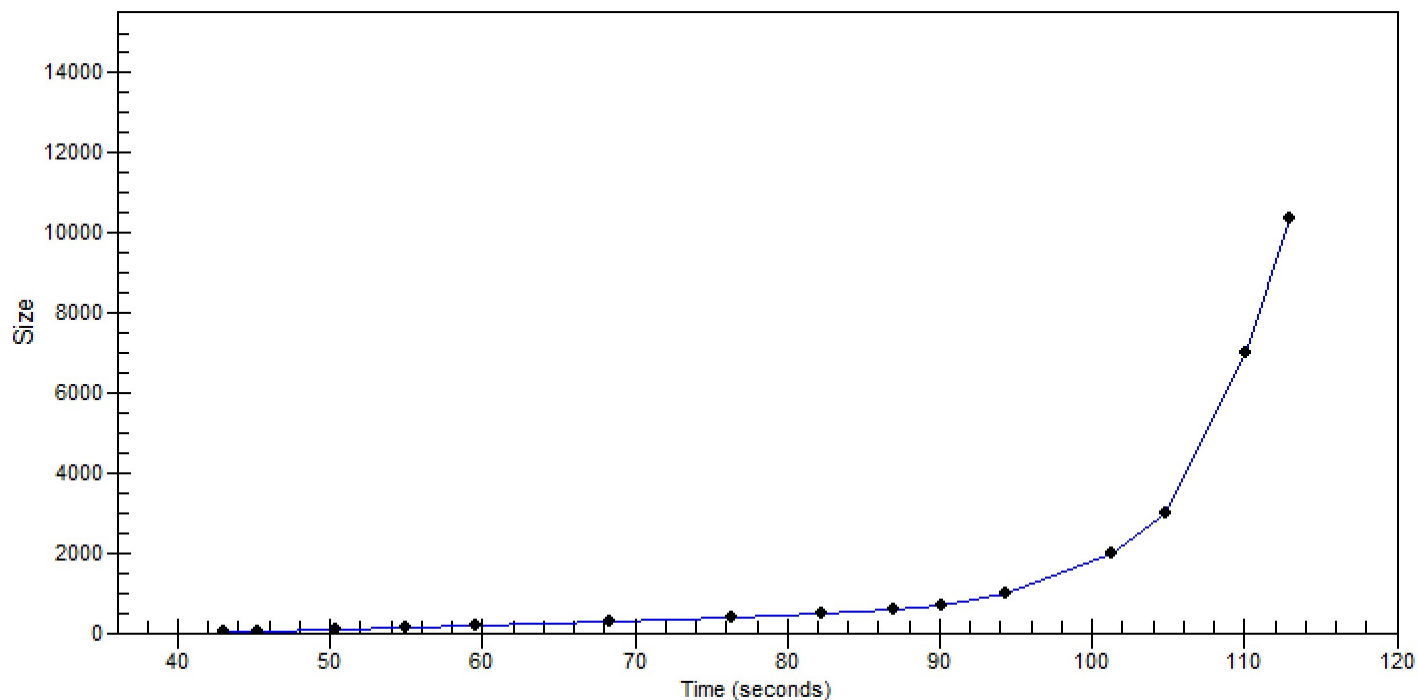
Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: C:\Users\sbsuser\Desktop\2023-06-15\QC1513.xad

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Curves

Standard Curve



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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		6/15/2023 4:28:33 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-06-15\Bioanalyzer1_High Sensitivity DNA Assay_2023-06-15_001.xad)		Instrument	Run		6/15/2023 3:47:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		6/15/2023 3:47:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		6/15/2023 3:47:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		6/15/2023 3:47:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		6/15/2023 3:47:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		6/15/2023 3:47:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		6/15/2023 3:47:21 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB