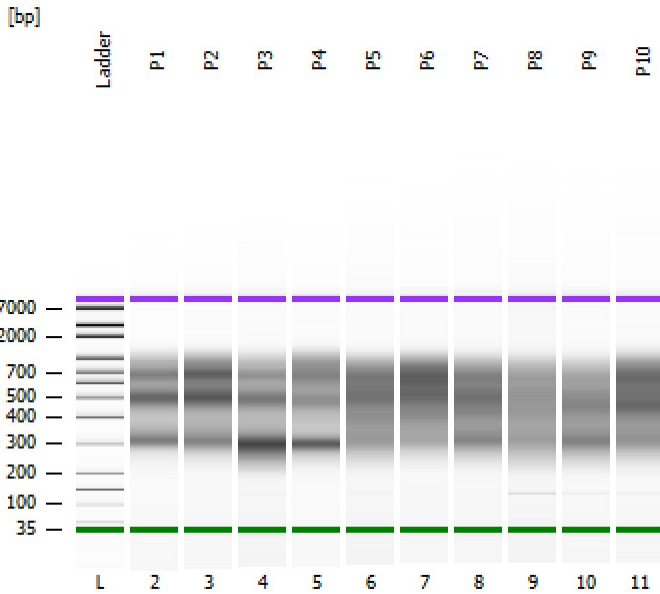


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-05\QC1599.xad

Created: 9/5/2023 3:10:48 PM
Modified: 9/5/2023 4:04:45 PM

Electrophoresis File Run Summary



Instrument Information:

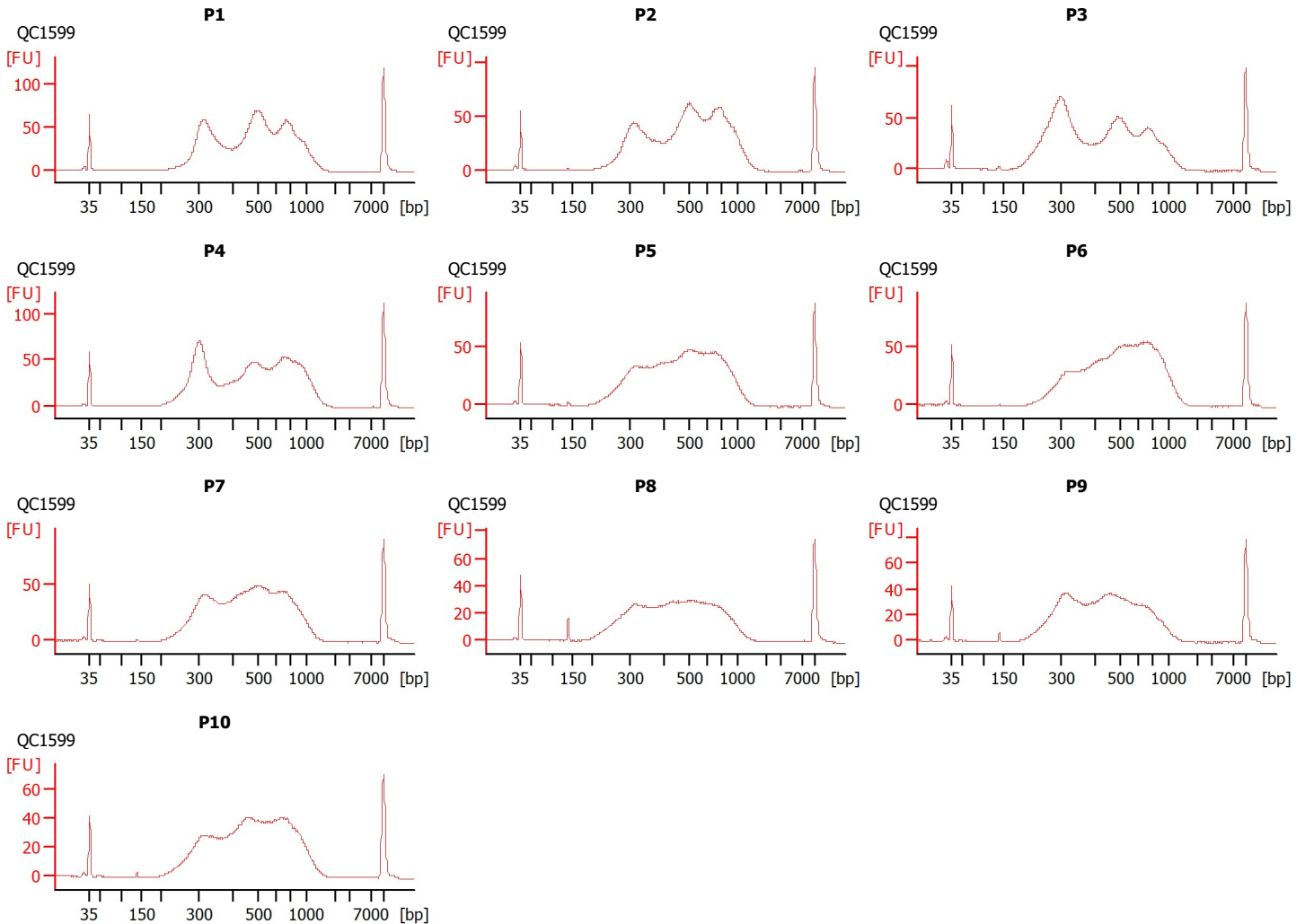
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-05\QC1599.xad

Created: 9/5/2023 3:10:48 PM
 Modified: 9/5/2023 4:04:45 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
P1	QC1599	<input type="checkbox"/>		✓		
P2	QC1599	<input type="checkbox"/>		✓		
P3	QC1599	<input type="checkbox"/>		✓		
P4	QC1599	<input type="checkbox"/>		✓		
P5	QC1599	<input type="checkbox"/>		✓		
P6	QC1599	<input type="checkbox"/>		✓		
P7	QC1599	<input type="checkbox"/>		✓		
P8	QC1599	<input type="checkbox"/>		✓		
P9	QC1599	<input type="checkbox"/>		✓		
P10	QC1599	<input type="checkbox"/>		✓		
Ladder		<input type="checkbox"/>		✓		

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-05\QC1599.xad

Created: 9/5/2023 3:10:48 PM
Modified: 9/5/2023 4:04:45 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

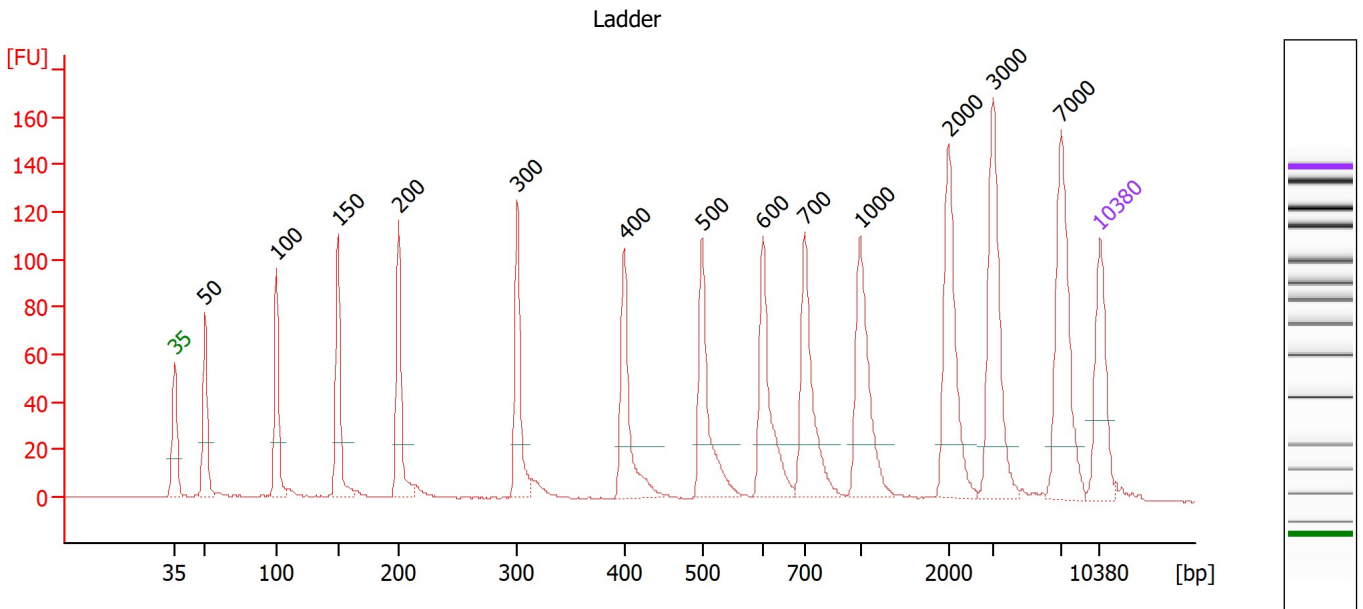
Ladder

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:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-05\QC1599.xad

Created: 9/5/2023 3:10:48 PM
 Modified: 9/5/2023 4:04:45 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

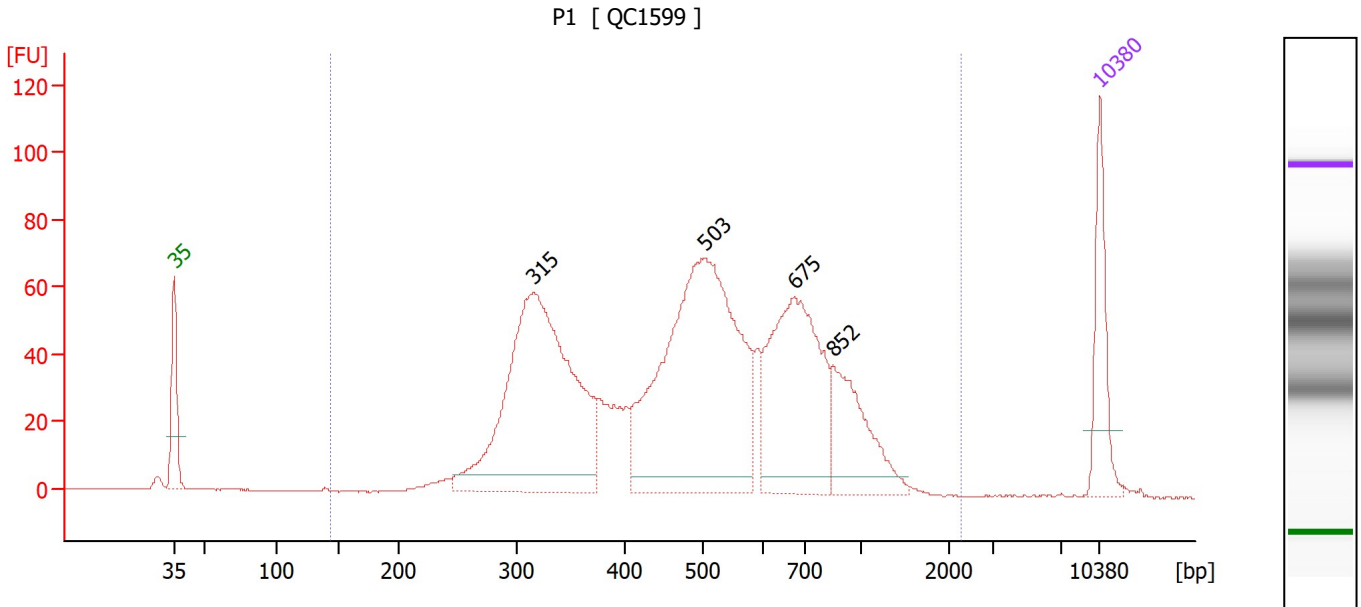
Peak table for Ladder

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:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-05\QC1599.xad

Created: 9/5/2023 3:10:48 PM
 Modified: 9/5/2023 4:04:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : P1

Number of peaks found: 4 Corr. Area 1: 1,592.0
 Noise: 0.2

Peak table for sample 2 : P1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	315	613.20	2,951.9	
3	503	622.93	1,877.8	
4	675	305.06	684.7	
5	852	129.15	229.6	
6	10,380	75.00	10.9	Upper Marker

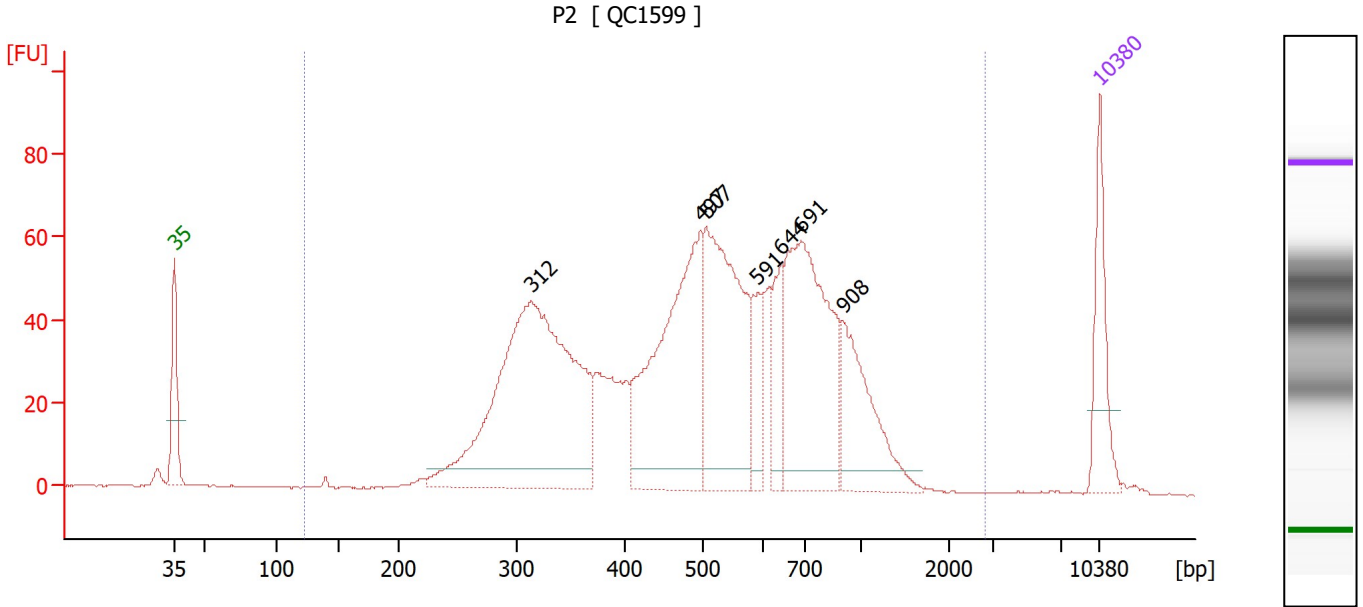
Region table for sample 2 : P1

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
143	2,298	1,592.0	99	536	41.5	1,806.26	6,217.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-05\QC1599.xad

Created: 9/5/2023 3:10:48 PM
 Modified: 9/5/2023 4:04:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : P2

Number of peaks found: 7 Corr. Area 1: 1,564.7
 Noise: 0.2

Peak table for sample 3 : P2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	312	690.92	3,353.2	
3	497	389.10	1,185.1	
4	507	329.39	984.7	
5	591	57.74	147.9	
6	644	67.07	157.8	
7	691	331.62	727.4	
8	908	140.87	235.0	
9	10,380	75.00	10.9	Upper Marker

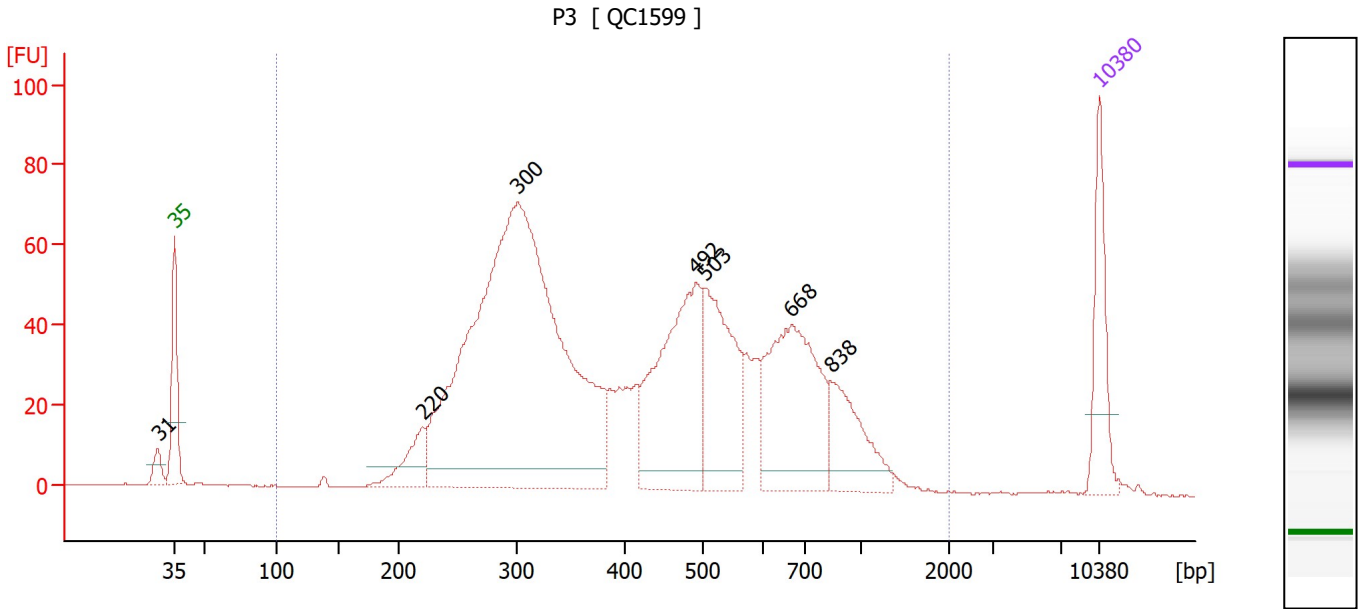
Region table for sample 3 : P2

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
123	2,809	1,564.7	99	554	43.5	2,233.25	7,620.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-05\QC1599.xad

Created: 9/5/2023 3:10:48 PM
 Modified: 9/5/2023 4:04:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : P3

Number of peaks found: 7 Corr. Area 1: 1,673.1
 Noise: 0.1

Peak table for sample 4 : P3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	31	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	220	66.65	459.1	
4	300	1,198.38	6,056.0	
5	492	291.95	899.9	
6	503	203.48	613.1	
7	668	251.06	569.7	
8	838	99.77	180.4	
9	10,380	75.00	10.9	Upper Marker

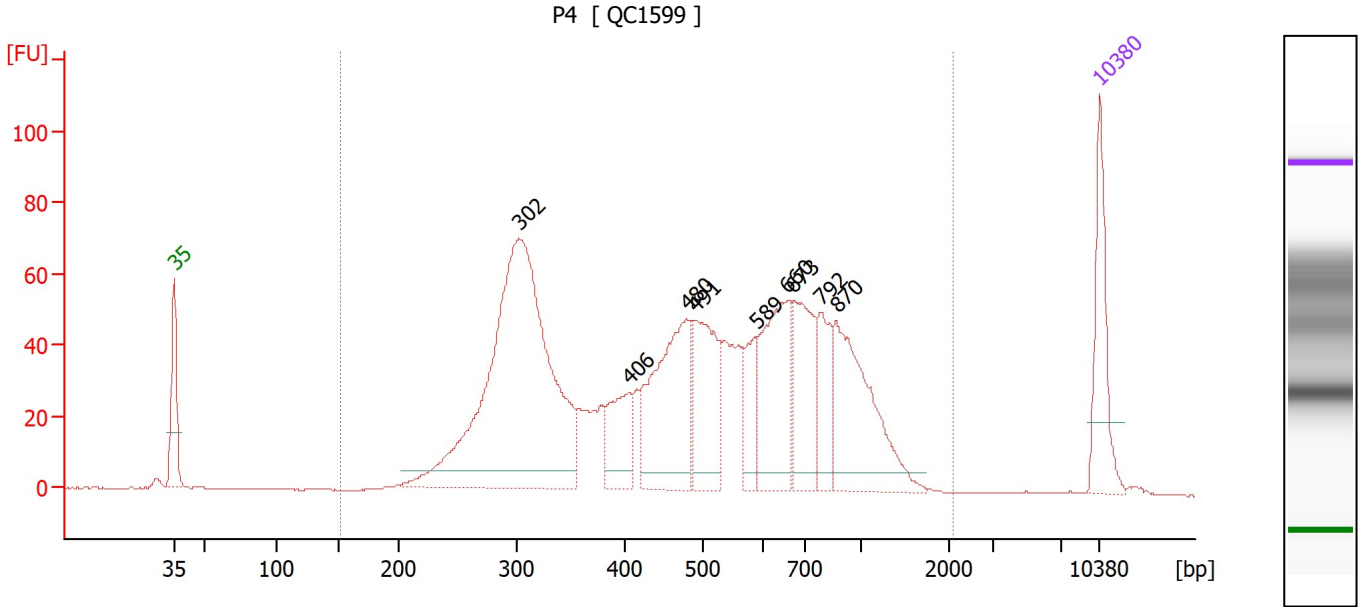
Region table for sample 4 : P3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
100	2,029	1,673.1	98	466	47.0	2,321.65	9,617.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-05\QC1599.xad

Created: 9/5/2023 3:10:48 PM
 Modified: 9/5/2023 4:04:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : P4

Number of peaks found: 9 Corr. Area 1: 1,611.1
 Noise: 0.1

Peak table for sample 5 : P4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	302	703.60	3,529.5	
3	406	76.48	285.5	
4	480	206.81	652.4	
5	491	139.01	428.7	
6	589	49.79	128.1	
7	660	151.72	348.5	
8	673	108.75	244.7	
9	792	66.59	127.4	
10	870	175.43	305.4	
11	10,380	75.00	10.9	Upper Marker

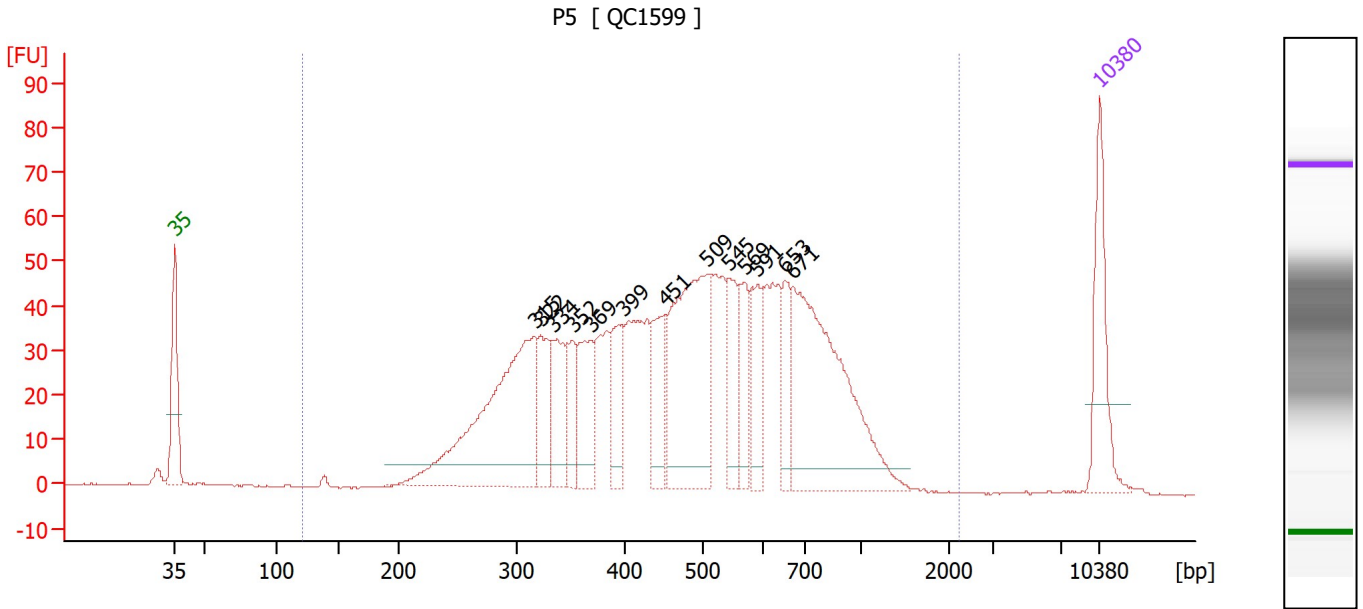
Region table for sample 5 : P4

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
152	2,130	1,611.1	99	544	47.5	1,937.83	7,018.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-05\QC1599.xad

Created: 9/5/2023 3:10:48 PM
 Modified: 9/5/2023 4:04:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : P5

Number of peaks found: 13 Corr. Area 1: 1,379.1
 Noise: 0.1

Peak table for sample 6 : P5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	315	343.57	1,650.3	
3	322	70.02	329.8	
4	334	78.44	356.3	
5	352	48.82	210.3	
6	369	79.82	328.2	
7	399	63.86	242.8	
8	451	72.47	243.5	
9	509	254.24	756.9	
10	545	62.96	175.1	
11	569	51.72	137.7	
12	591	61.04	156.4	
13	653	50.14	116.4	
14	671	303.86	686.6	
15	10,380	75.00	10.9	Upper Marker

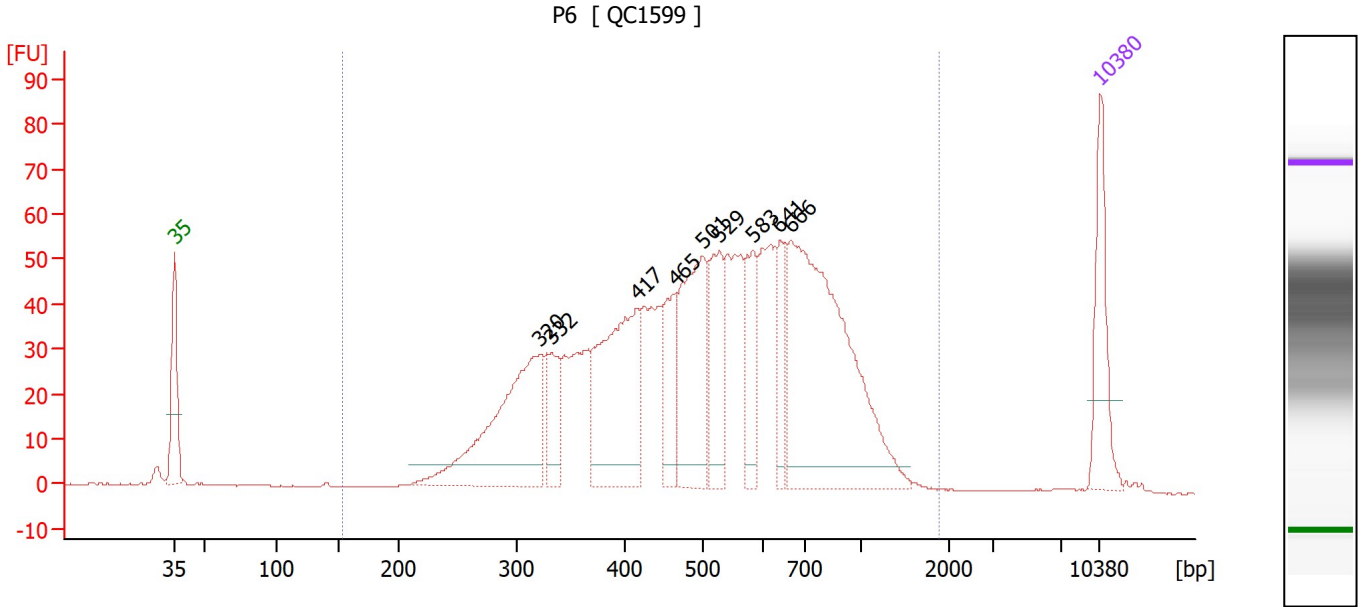
Region table for sample 6 : P5

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
121	2,249	1,379.1	99	518	39.7	2,041.87	7,242.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-05\QC1599.xad

Created: 9/5/2023 3:10:48 PM
 Modified: 9/5/2023 4:04:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : P6

Number of peaks found: 9 Corr. Area 1: 1,415.8
 Noise: 0.1

Peak table for sample 7 : P6

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	320	273.61	1,293.5	
3	332	68.22	311.4	
4	417	239.76	871.3	
5	465	80.11	260.9	
6	501	187.05	565.3	
7	529	101.52	290.8	
8	583	67.36	175.0	
9	641	60.22	142.4	
10	666	428.23	974.5	
11	10,380	75.00	10.9	Upper Marker

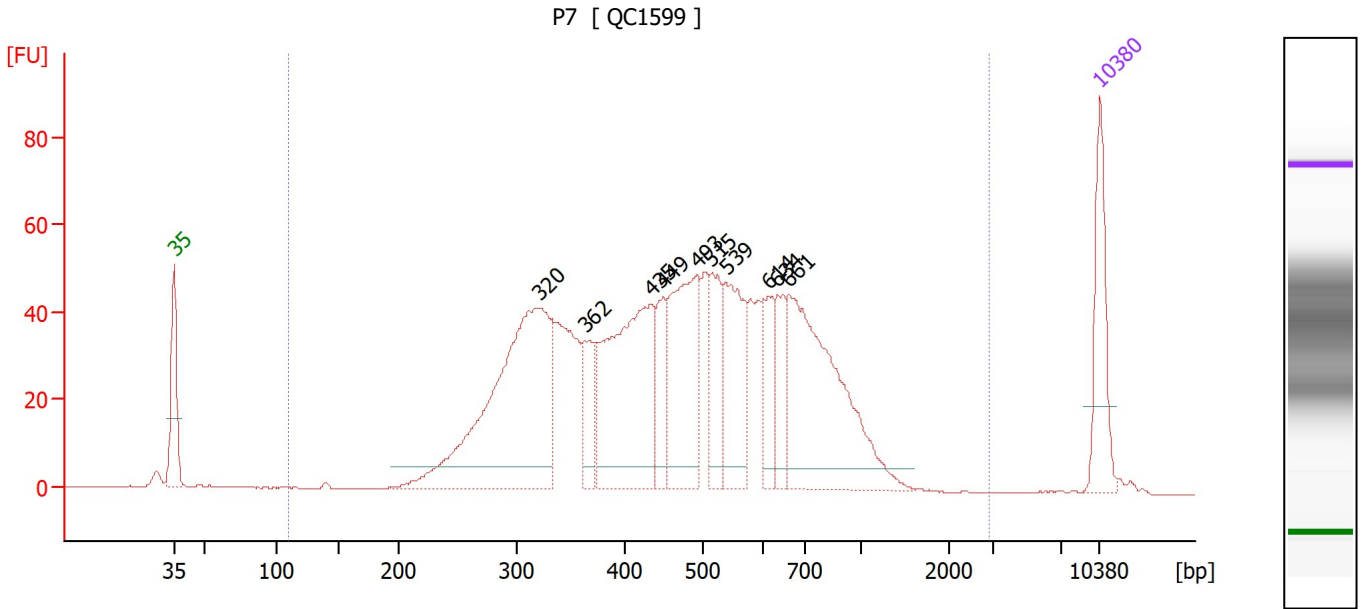
Region table for sample 7 : P6

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
154	1,905	1,415.8	98	555	39.9	2,071.53	6,840.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-05\QC1599.xad

Created: 9/5/2023 3:10:48 PM
 Modified: 9/5/2023 4:04:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : P7

Number of peaks found: 10 Corr. Area 1: 1,410.8
 Noise: 0.1

Peak table for sample 8 : P7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	320	486.68	2,302.5	
3	362	59.28	247.9	
4	435	300.09	1,046.1	
5	449	62.93	212.2	
6	493	196.97	605.7	
7	515	85.75	252.3	
8	539	128.73	361.7	
9	614	49.64	122.5	
10	634	57.77	138.1	
11	661	303.94	696.2	
12	10,380	75.00	10.9	Upper Marker

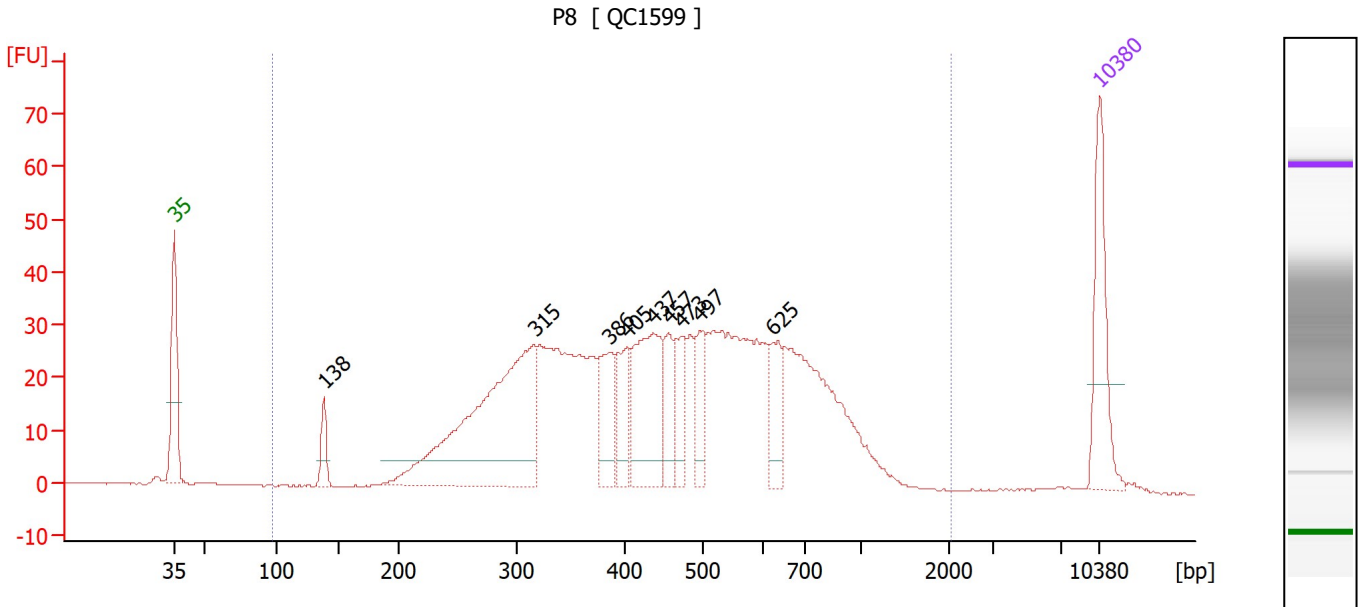
Region table for sample 8 : P7

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
110	2,919	1,410.8	98	510	42.4	2,130.52	7,662.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-05\QC1599.xad

Created: 9/5/2023 3:10:48 PM
 Modified: 9/5/2023 4:04:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : P8

Number of peaks found: 9 Corr. Area 1: 978.7
 Noise: 0.1

Peak table for sample 9 : P8

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	138	31.04	339.8	
3	315	360.01	1,728.9	
4	386	63.38	248.8	
5	405	53.56	200.4	
6	437	140.37	486.8	
7	457	46.91	155.6	
8	473	42.85	137.3	
9	497	43.44	132.5	
10	625	45.92	111.3	
11	10,380	75.00	10.9	Upper Marker

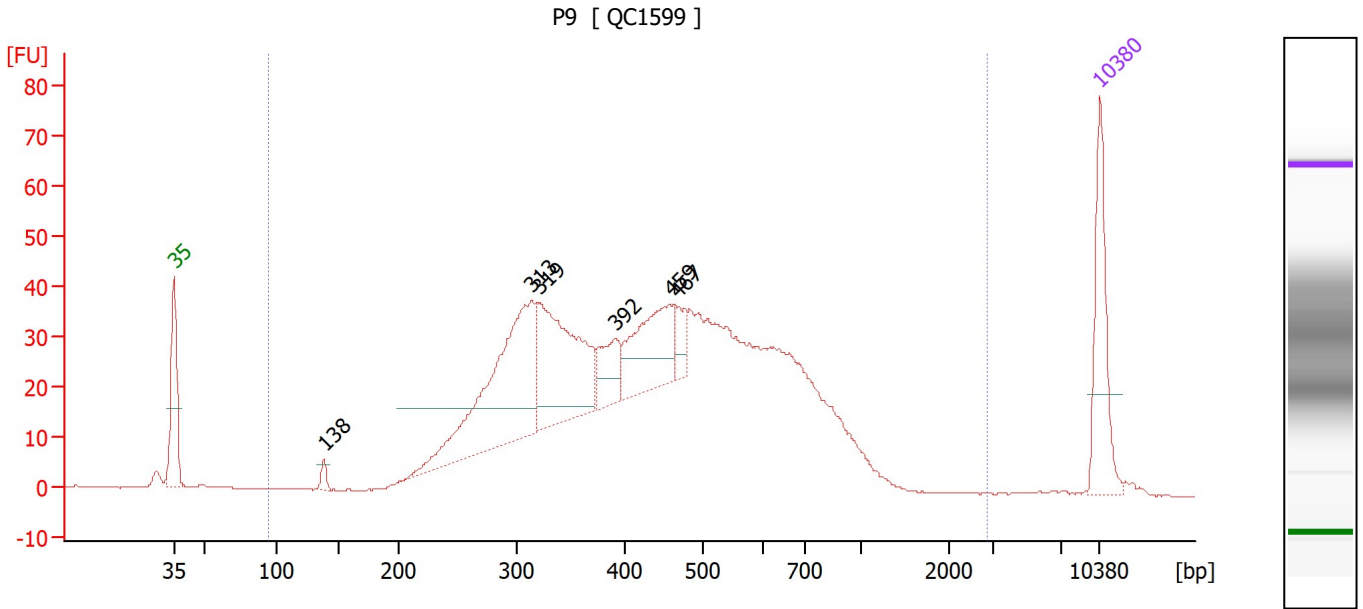
Region table for sample 9 : P8

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
97	2,084	978.7	98	489	43.2	1,698.82	6,641.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-05\QC1599.xad

Created: 9/5/2023 3:10:48 PM
 Modified: 9/5/2023 4:04:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : P9

Number of peaks found: 6 Corr. Area 1: 1,100.0
 Noise: 0.1

Peak table for sample 10 : P9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	138	11.20	122.6	
3	313	271.61	1,315.7	
4	319	201.44	955.5	
5	392	46.60	180.2	
6	459	107.61	355.2	
7	467	21.12	68.5	
8	10,380	75.00	10.9	Upper Marker

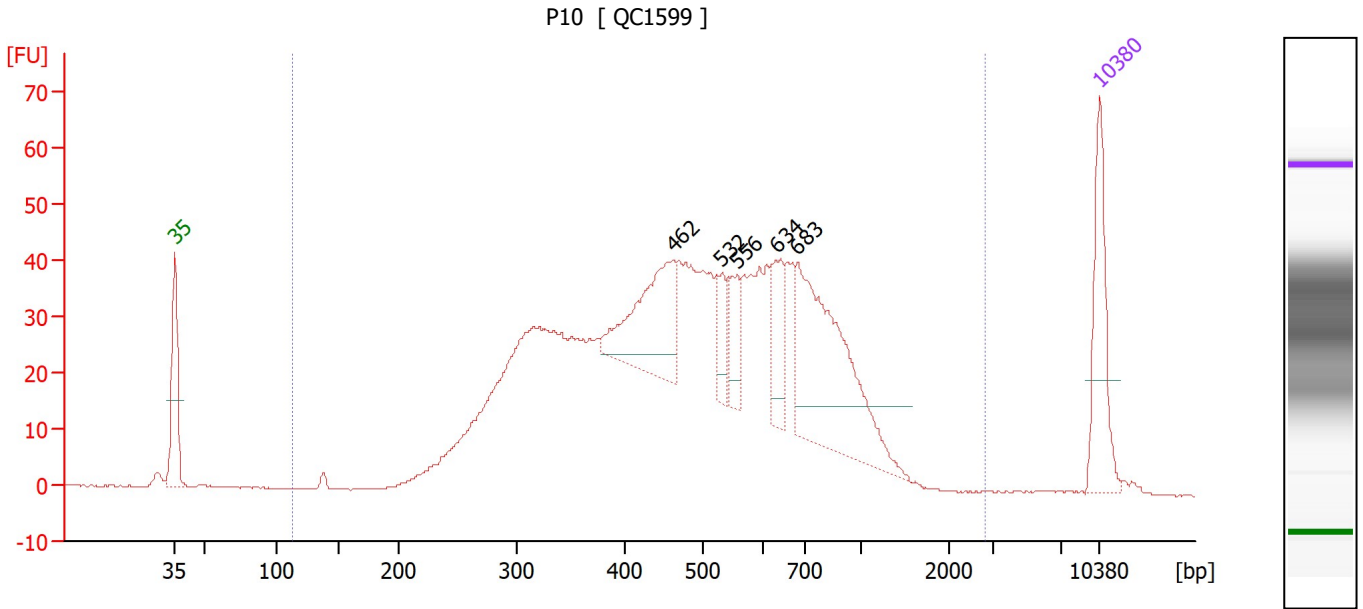
Region table for sample 10 : P9

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
95	2,872	1,100.0	99	471	40.8	1,887.11	7,314.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-05\QC1599.xad

Created: 9/5/2023 3:10:48 PM
 Modified: 9/5/2023 4:04:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : P10

Number of peaks found: 5 Corr. Area 1: 1,173.6
 Noise: 0.1

Peak table for sample 11 : P10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	462	141.48	463.8	
3	532	35.87	102.2	
4	556	40.94	111.6	
5	634	54.31	129.8	
6	683	238.88	530.3	
7	10,380	75.00	10.9	Upper Marker

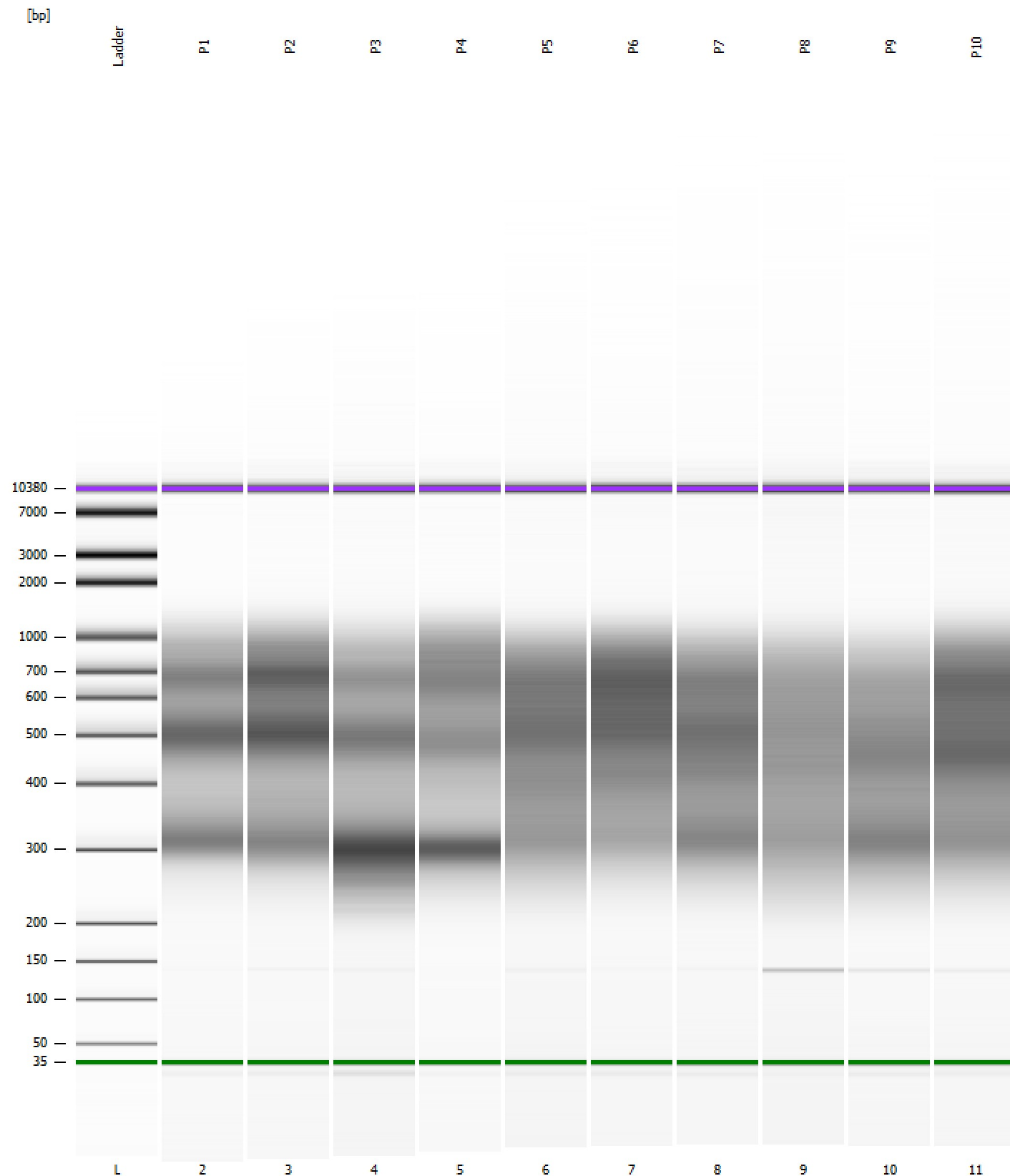
Region table for sample 11 : P10

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
113	2,834	1,173.6	99	535	43.8	2,063.40	7,216.9	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-05\QC1599.xad

Created: 9/5/2023 3:10:48 PM
Modified: 9/5/2023 4:04:45 PM

Gel Image

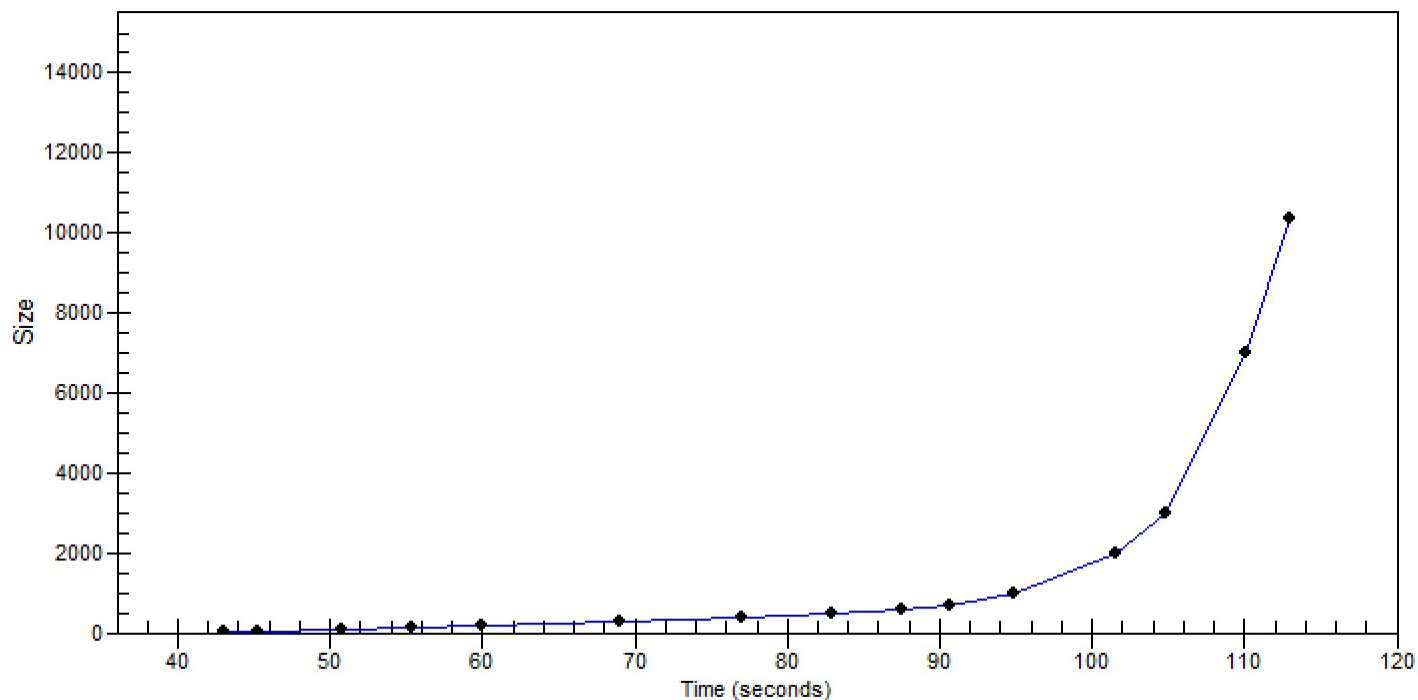


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-05\QC1599.xad

Created: 9/5/2023 3:10:48 PM
Modified: 9/5/2023 4:04:45 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ent\2100 bioanalyzer\2100 expert\data\2023-09-05\QC1599.xad

Created: 9/5/2023 3:10:48 PM
 Modified: 9/5/2023 4:04:45 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		9/5/2023 3:52:10 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2023-09-05\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2023-09-05_001.xad)		Instrument	Run		9/5/2023 3:10:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		9/5/2023 3:10:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		9/5/2023 3:10:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/5/2023 3:10:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/5/2023 3:10:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/5/2023 3:10:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/5/2023 3:10:55 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB