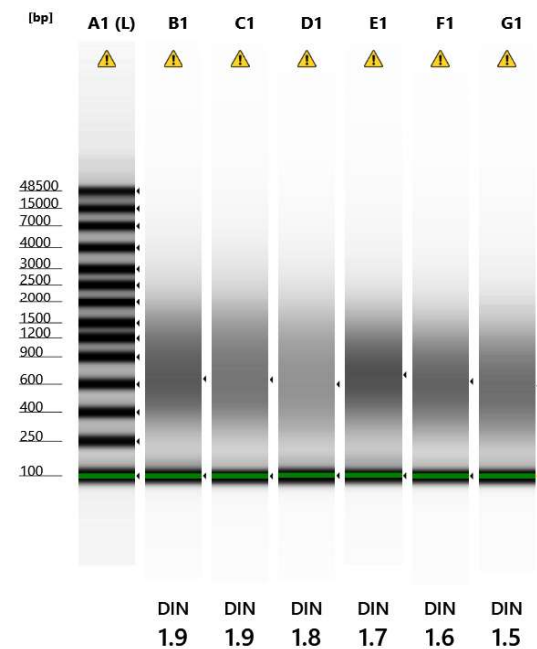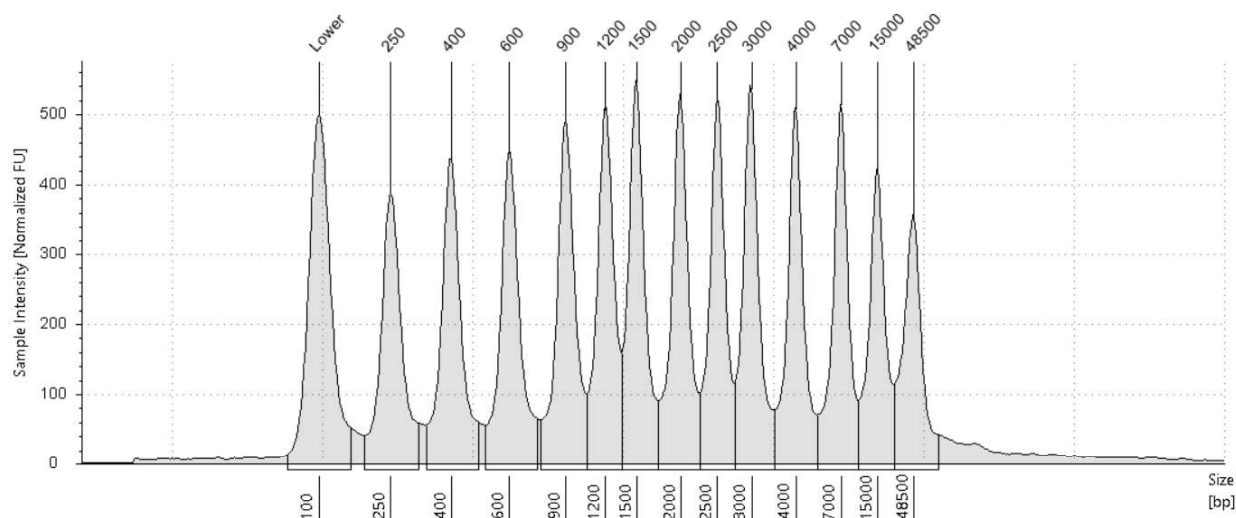## Filename: 2025-07-24 - 15.43.05.gDNA

Default image (Contrast 97%)

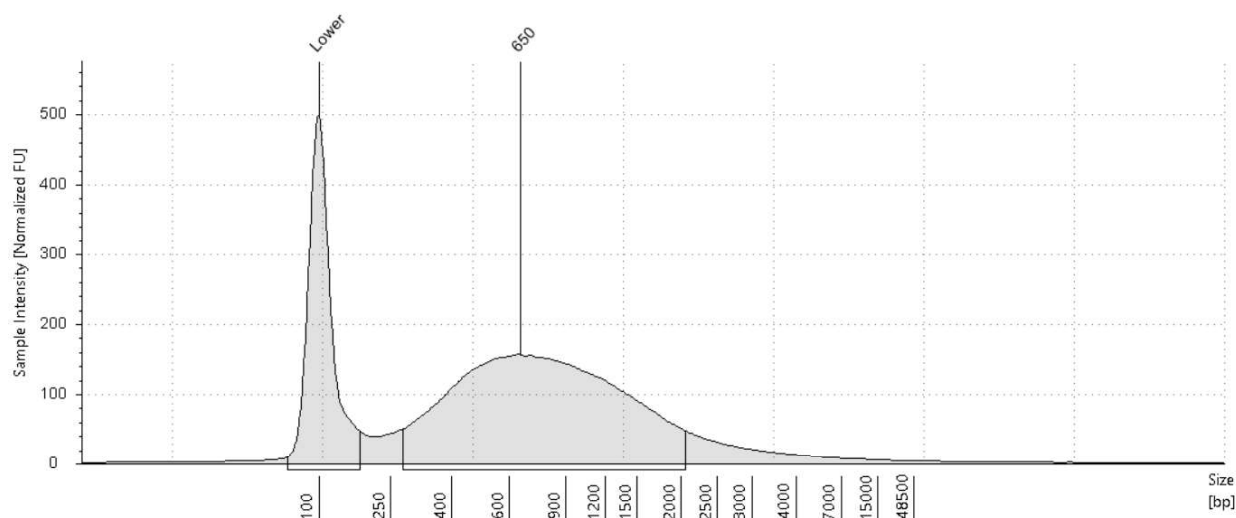## Sample Info

Well	DIN	Conc. [ng/µl]	Sample Description	Alert	Observations
A1	–	84.6	Ladder	⚠	Caution! Expired ScreenTape device; Ladder
B1	1.9	24.5	51732 0.7X	⚠	Caution! Expired ScreenTape device
C1	1.9	23.3	51732 0.8X	⚠	Caution! Expired ScreenTape device
D1	1.8	15.8	51732 0.9X	⚠	Caution! Expired ScreenTape device
E1	1.7	25.7	51892 0.7X	⚠	Caution! Expired ScreenTape device
F1	1.6	23.1	51892 0.8X	⚠	Caution! Expired ScreenTape device
G1	1.5	20.6	51892 0.9X	⚠	Caution! Expired ScreenTape device

A1: Ladder

Sample Table

Well	DIN	Conc. [ng/µl]	Sample Description	Alert	Observations
A1	-	84.6	Ladder	⚠	Caution! Expired ScreenTape device; Ladder

Peak Table

Size [bp]	Calibrated Conc. [ng/µl]	Assigned Conc. [ng/µl]	% Integrated Area	From [bp]	To [bp]	Peak Comment	Observations
100	8.50	8.50	-	67	149		Lower Marker
250	6.09	-	7.36	178	310		
400	6.56	-	7.94	329	486		
600	6.59	-	7.98	507	732		
900	6.96	-	8.41	752	1054		
1200	6.67	-	8.07	1054	1348		
1500	7.00	-	8.47	1348	1725		
2000	6.91	-	8.35	1725	2245		
2500	6.47	-	7.83	2245	2748		
3000	6.67	-	8.07	2748	3478		
4000	6.25	-	7.56	3478	5210		
7000	6.18	-	7.48	5210	10113		
15000	5.26	-	6.36	10113	21110		
48500	5.07	-	6.13	21110	70448		

B1: 51732 0.7X

Sample Table

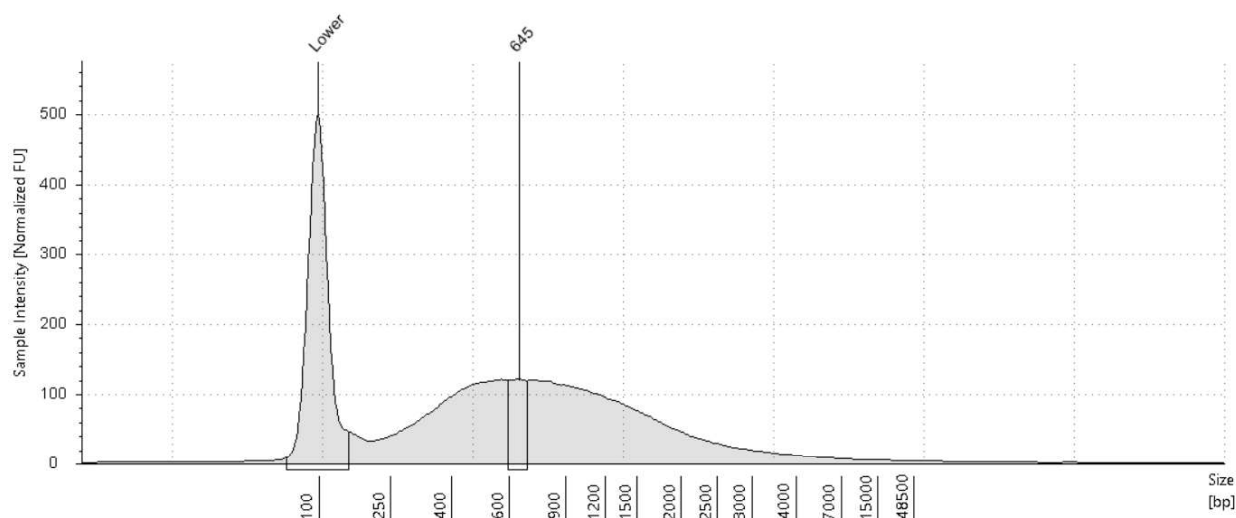| Well	DIN	Conc. [ng/µl]	Sample Description	Alert	Observations
B1	1.9	24.5	51732 0.7X	⚠	Caution! Expired ScreenTape device

Peak Table

Size [bp]	Calibrated Conc. [ng/µl]	Assigned Conc. [ng/µl]	% Integrated Area	From [bp]	To [bp]	Peak Comment	Observations
100	8.50	8.50	-	66	169		Lower Marker
650	20.7	-	100.00	274	2050		
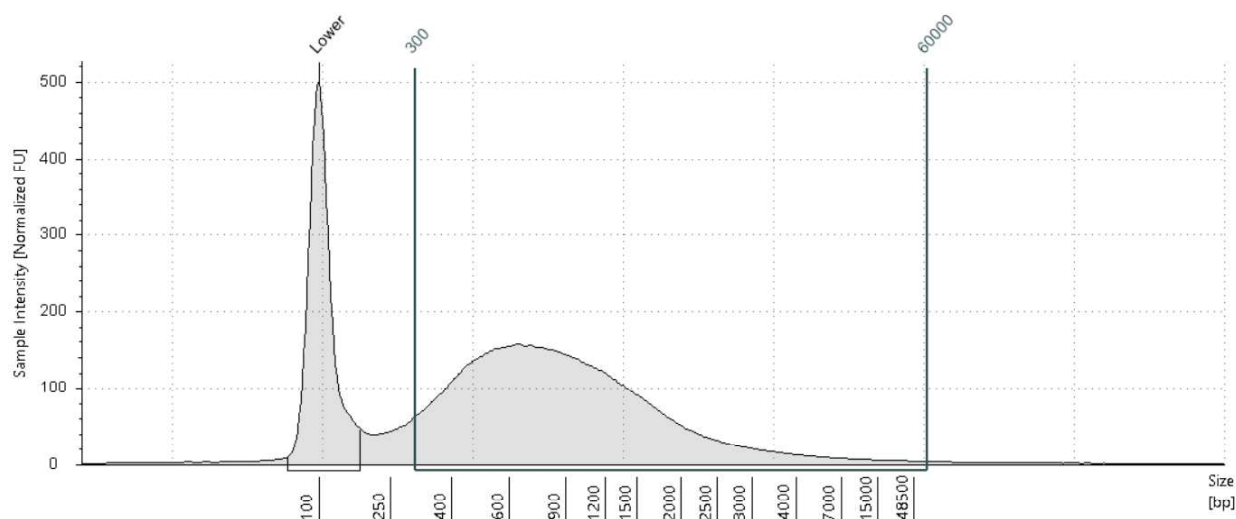
Region Table

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/µl]	Region Molarity [nmol/l]	% of Total	Region Comment	Color
300	60000	1320	22.5	47.2	91.88		■

C1: 51732 0.8X

Sample Table

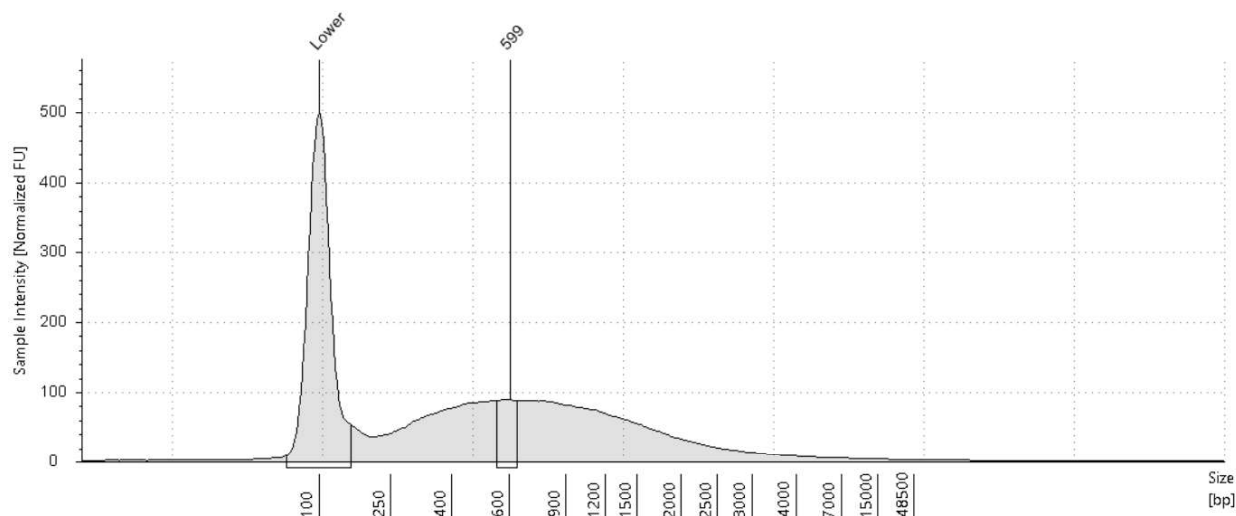| Well	DIN	Conc. [ng/µl]	Sample Description	Alert	Observations
C1	1.9	23.3	51732 0.8X	⚠	Caution! Expired ScreenTape device

Peak Table

Size [bp]	Calibrated Conc. [ng/µl]	Assigned Conc. [ng/µl]	% Integrated Area	From [bp]	To [bp]	Peak Comment	Observations
100	8.50	8.50	–	66	146		Lower Marker
645	1.80	–	100.00	594	682		
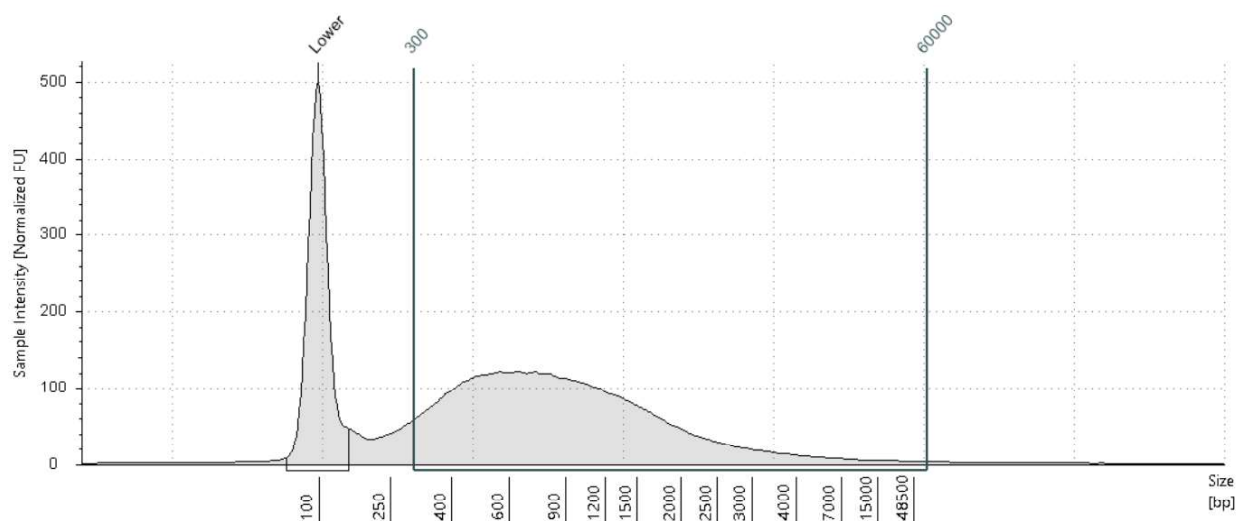
Region Table

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/µl]	Region Molarity [nmol/l]	% of Total	Region Comment	Color
300	60000	1384	21.0	44.2	90.21		■

D1: 51732 0.9X

Sample Table

Well	DIN	Conc. [ng/μl]	Sample Description	Alert	Observations
D1	1.8	15.8	51732 0.9X	⚠	Caution! Expired ScreenTape device

Peak Table

Size [bp]	Calibrated Conc. [ng/μl]	Assigned Conc. [ng/μl]	% Integrated Area	From [bp]	To [bp]	Peak Comment	Observations
100	8.50	8.50	-	65	149		Lower Marker
599	1.25	-	100.00	547	633		
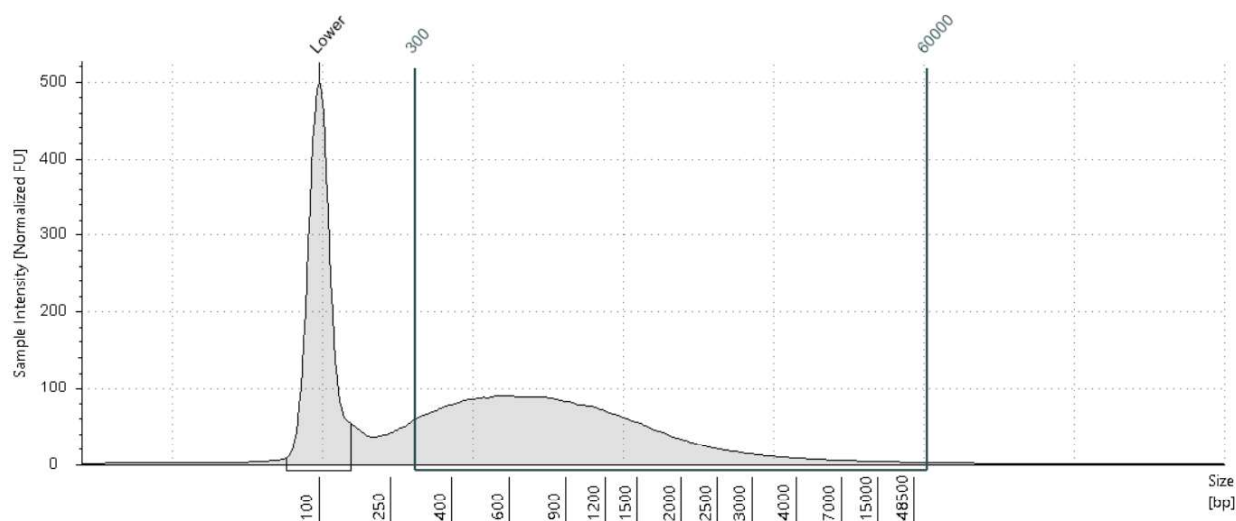
Region Table

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Region Molarity [nmol/l]	% of Total	Region Comment	Color
300	60000	1318	13.8	30.5	87.65		▪

E1: 51892 0.7X
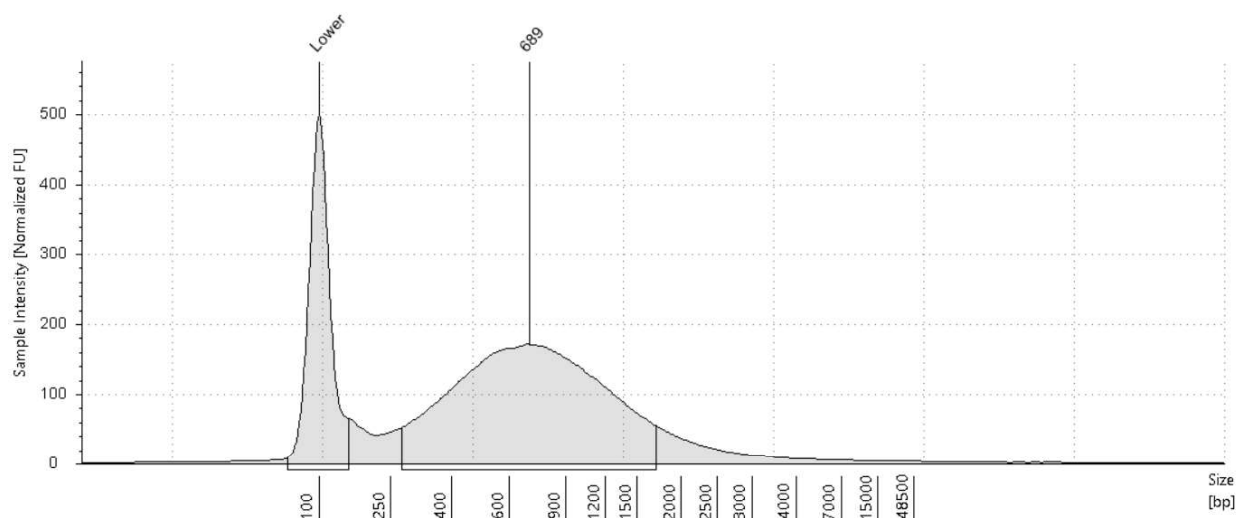
Sample Table

Well	DIN	Conc. [ng/µl]	Sample Description	Alert	Observations
E1	1.7	25.7	51892 0.7X	⚠	Caution! Expired ScreenTape device

Peak Table

Size [bp]	Calibrated Conc. [ng/µl]	Assigned Conc. [ng/µl]	% Integrated Area	From [bp]	To [bp]	Peak Comment	Observations
100	8.50	8.50	-	67	145		Lower Marker
689	21.4	-	100.00	272	1701		
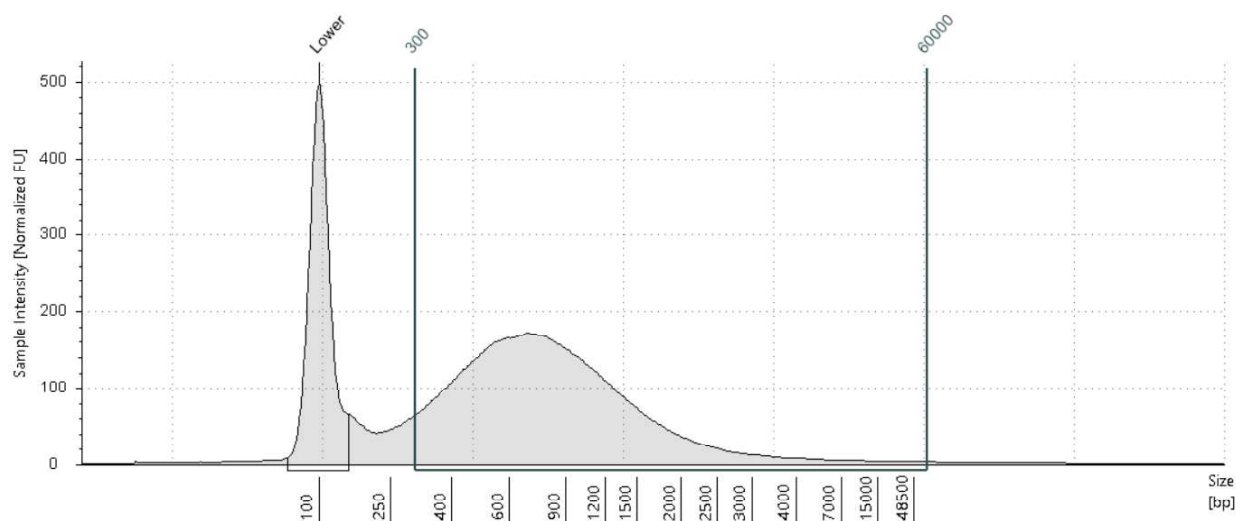
Region Table

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/µl]	Region Molarity [nmol/l]	% of Total	Region Comment	Color
300	60000	1164	23.2	52.2	90.52		■

F1: 51892 0.8X
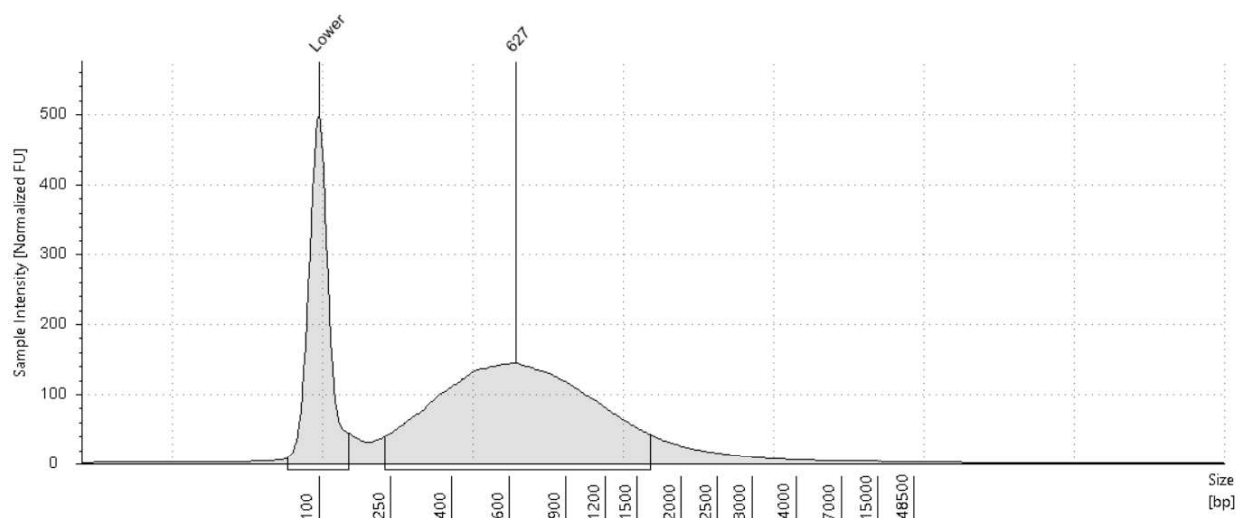
Sample Table

Well	DIN	Conc. [ng/µl]	Sample Description	Alert	Observations
F1	1.6	23.1	51892 0.8X	⚠	Caution! Expired ScreenTape device

Peak Table

Size [bp]	Calibrated Conc. [ng/µl]	Assigned Conc. [ng/µl]	% Integrated Area	From [bp]	To [bp]	Peak Comment	Observations
100	8.50	8.50	–	67	145		Lower Marker
627	19.9	–	100.00	232	1634		
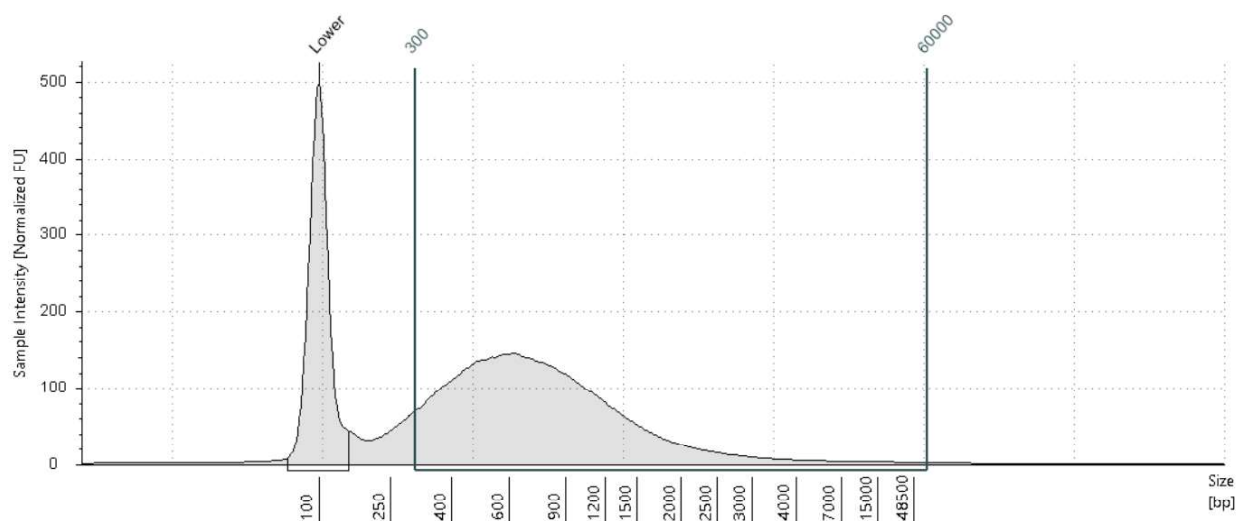
Region Table

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/µl]	Region Molarity [nmol/l]	% of Total	Region Comment	Color
300	60000	1097	20.7	48.9	89.59		■

G1: 51892 0.9X
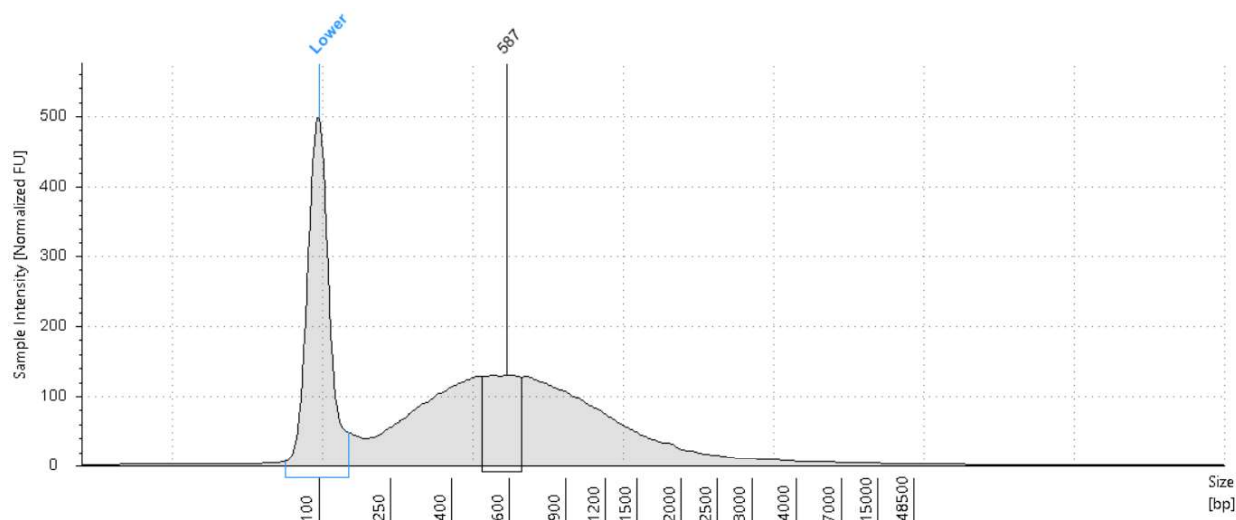
Sample Table

Well	DIN	Conc. [ng/µl]	Sample Description	Alert	Observations
G1	1.5	20.6	51892 0.9X	⚠	Caution! Expired ScreenTape device

Peak Table

Size [bp]	Calibrated Conc. [ng/µl]	Assigned Conc. [ng/µl]	% Integrated Area	From [bp]	To [bp]	Peak Comment	Observations
100	8.50	8.50	–	66	145		Lower Marker
587	3.61	–	100.00	496	655		
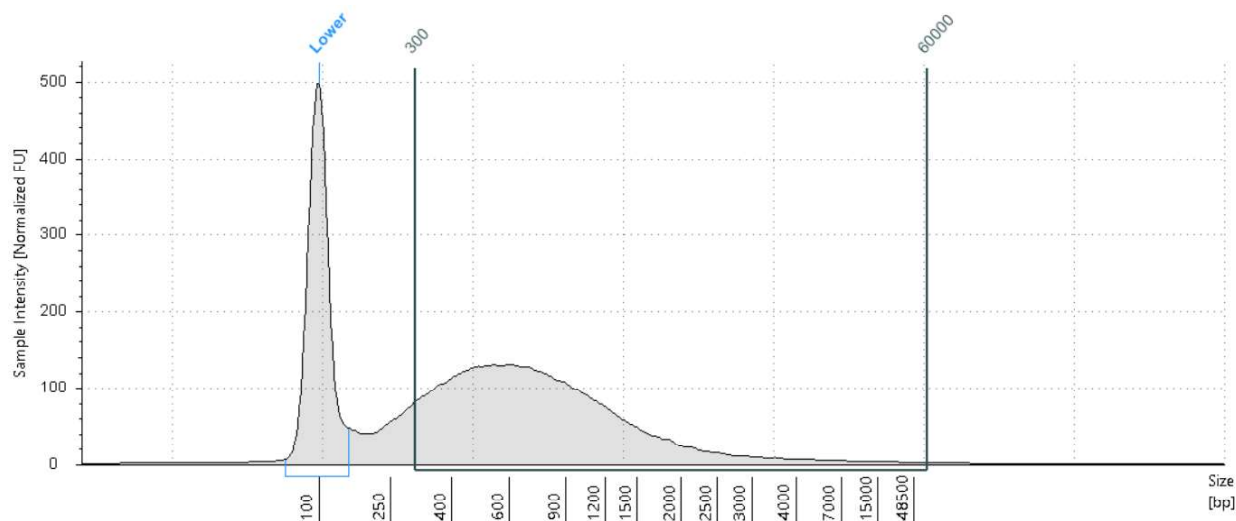
Region Table

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/µl]	Region Molarity [nmol/l]	% of Total	Region Comment	Color
300	60000	1116	18.1	44.0	87.97		▮

Profile Comparison
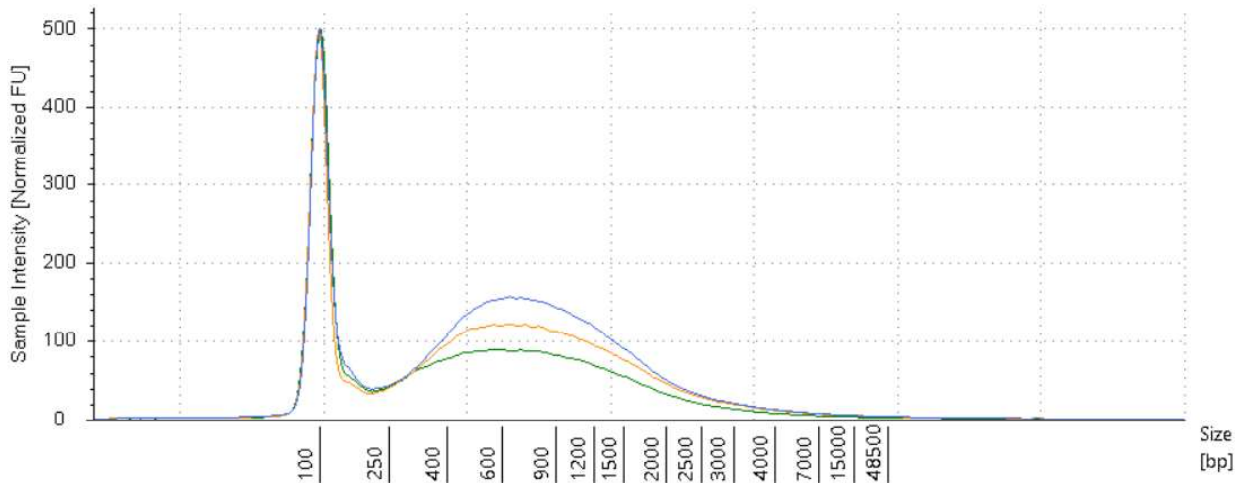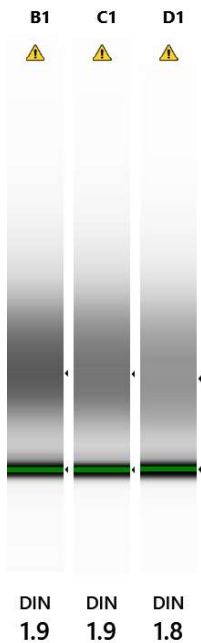
Samples

File	Indicator	Well ID	Comment
File 1		B1	51732 0.7X
File 1		C1	51732 0.8X
File 1		D1	51732 0.9X

Files used in the Profile Comparison

File	Comments	Filename
File 1		C:\Users\admin\Documents\Agilent\TapeStation Data\CoralLab\DurkinK\2025-07-24 – 15.43.05.gDNA

Snapshots

▲ [File 1] 2025-07-24 - 15.43.05.gDNA
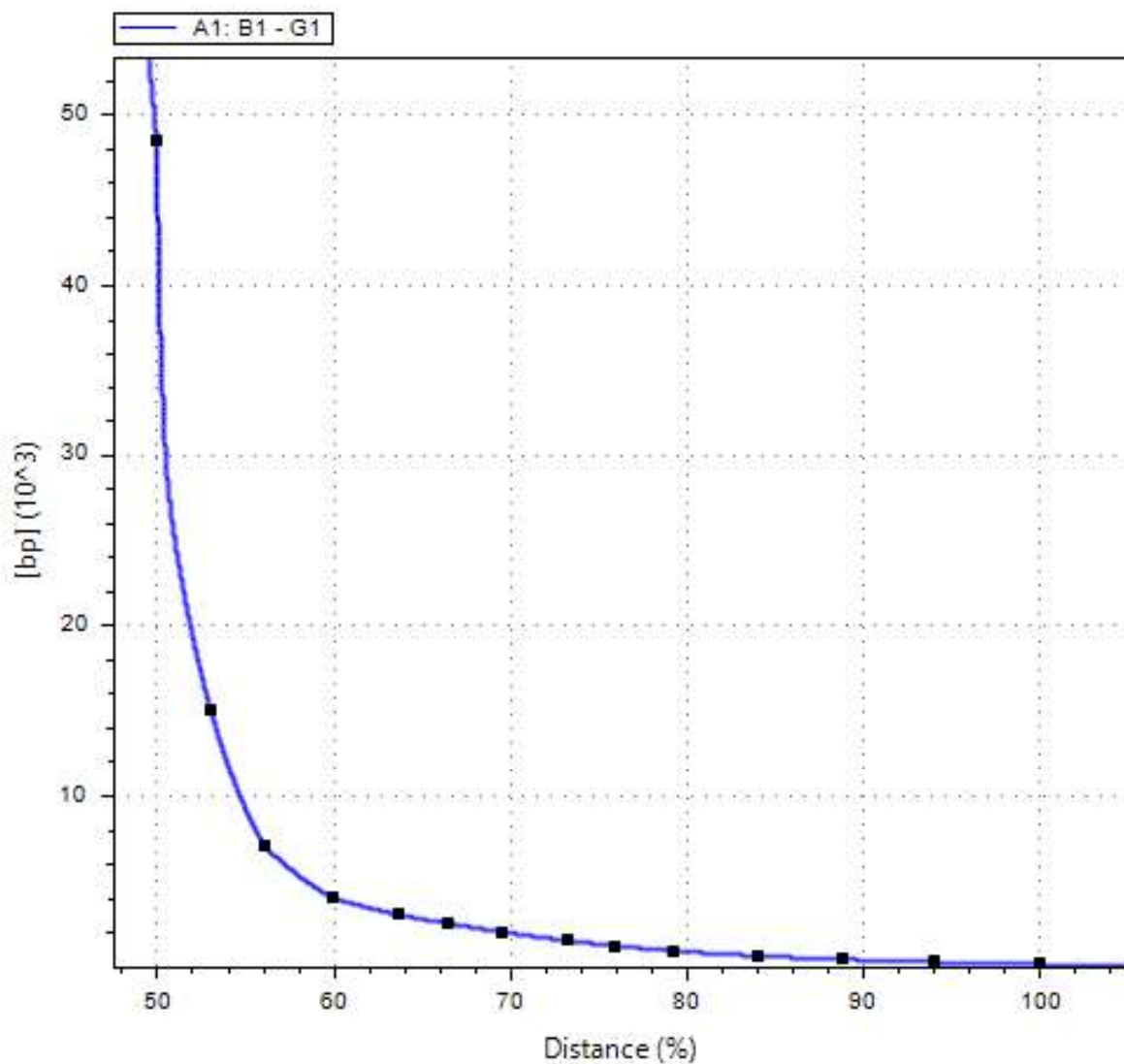
E1 ■ ── 51892 0.7X
F1 ■ ── 51892 0.8X
G1 ■ ── 51892 0.9X
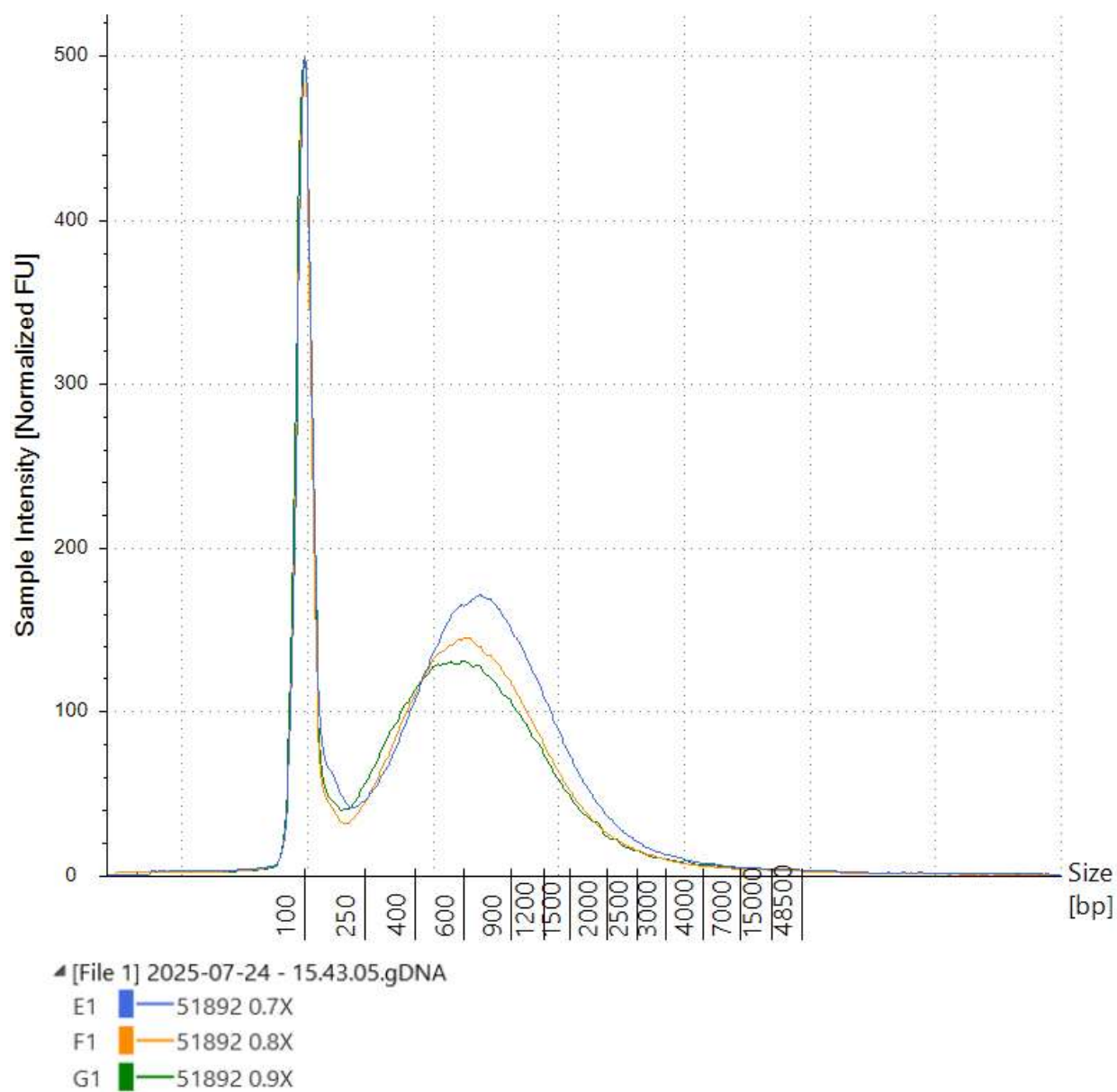
Calibration

Molecular Weight Settings

Fitting type: Genomic DNA Sizing
Alignment type: From lower marker

Concentration Settings

Calibration mode: Lower Marker
Normalise peaks from: Lower Marker
Fitting type: Linear Regression