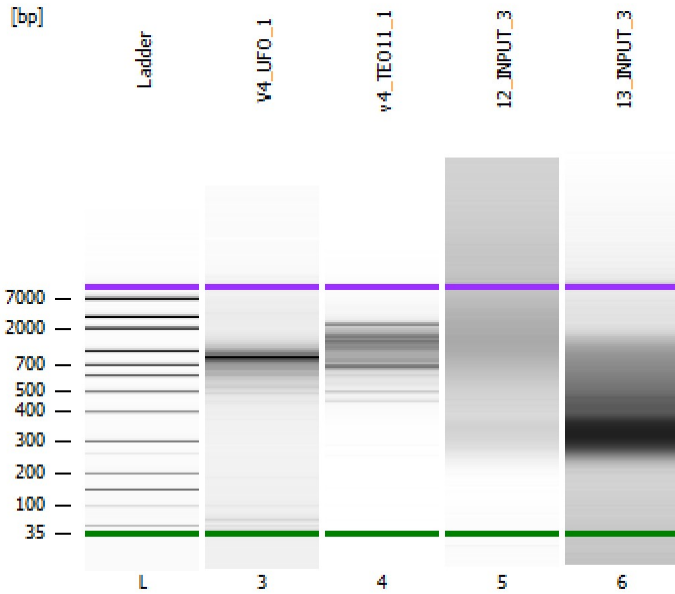


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...0 bioanalyzer\2100 expert\data\2024-10-10\QC1998-QC1999.xad

Created: 10/10/2024 12:40:01 PM  
Modified: 10/10/2024 3:52:50 PM

**Electrophoresis File Run Summary**



Instrument Information:

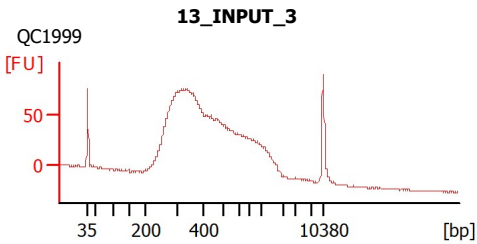
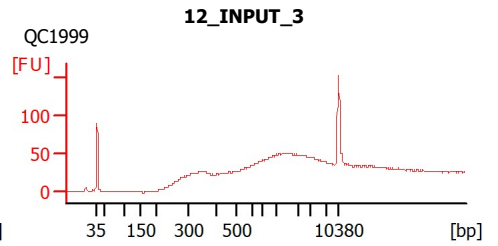
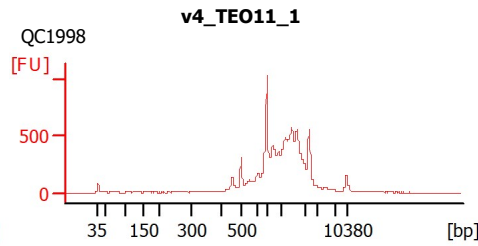
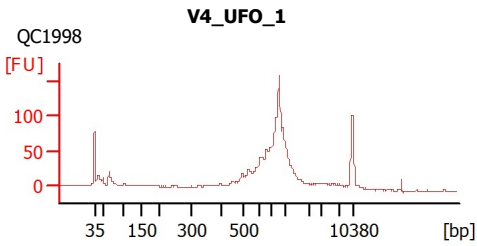
Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

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:\...0 bioanalyzer\2100 expert\data\2024-10-10\QC1998-QC1999.xad

Created: 10/10/2024 12:40:01 PM  
 Modified: 10/10/2024 3:52:50 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
V4_UFO_1	QC1998	<input type="checkbox"/>	✓			
v4_TEO11_1	QC1998	<input type="checkbox"/>	✓			
12_INPUT_3	QC1999	<input type="checkbox"/>	✓			
13_INPUT_3	QC1999	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...0 bioanalyzer\2100 expert\data\2024-10-10\QC1998-QC1999.xad

Created: 10/10/2024 12:40:01 PM  
Modified: 10/10/2024 3:52:50 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

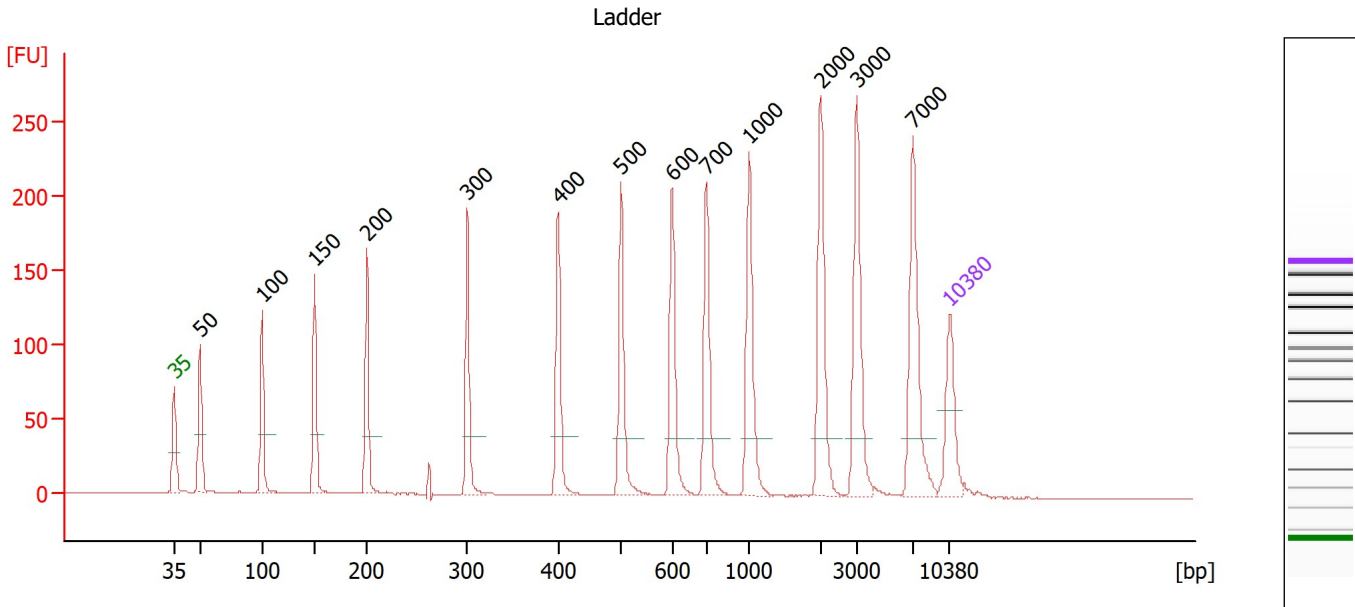
**Ladder**

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:\...0 bioanalyzer\2100 expert\data\2024-10-10\QC1998-QC1999.xad

Created: 10/10/2024 12:40:01 PM  
 Modified: 10/10/2024 3:52:50 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

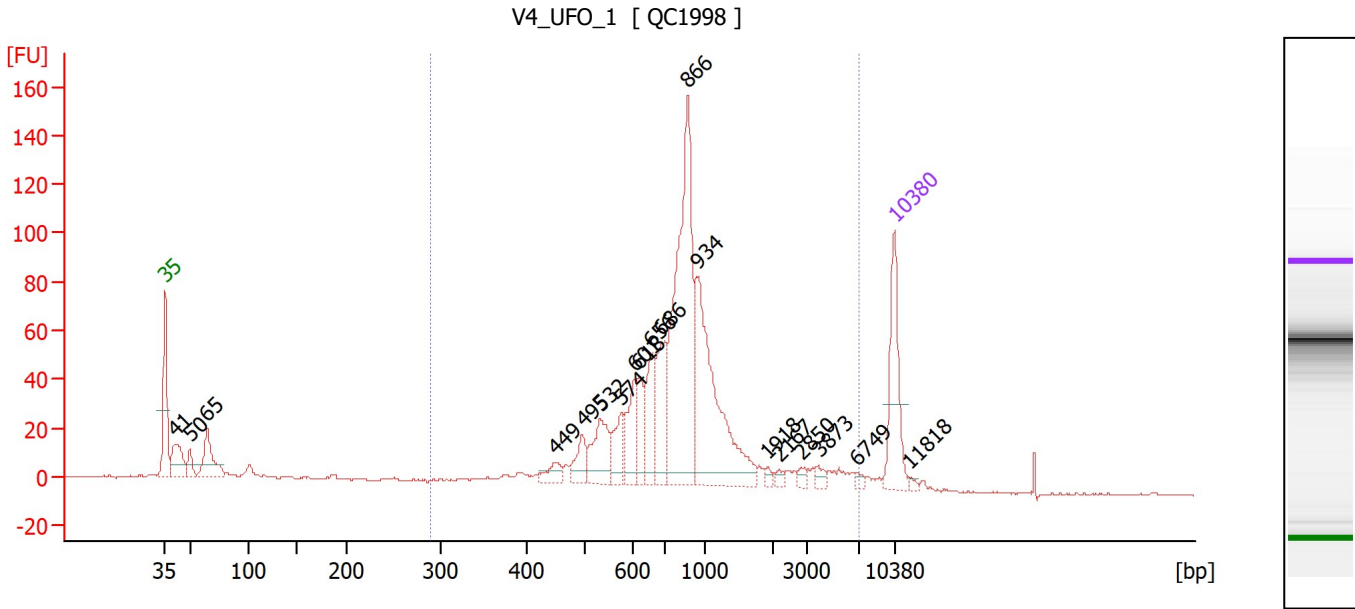
**Peak table for Ladder**

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:\...0 bioanalyzer\2100 expert\data\2024-10-10\QC1998-QC1999.xad

Created: 10/10/2024 12:40:01 PM  
 Modified: 10/10/2024 3:52:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : V4\_UFO\_1**

Number of peaks found: 19                      Corr. Area 1: 982.5  
 Noise: 0.4

**Peak table for sample 3 : V4\_UFO\_1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	41	67.33	2,496.6	
3	50	23.56	714.3	
4	65	73.37	1,707.6	
5	449	19.74	66.6	
6	495	31.31	95.9	
7	532	61.80	175.9	
8	574	36.97	97.5	
9	601	50.09	126.2	
10	618	37.18	91.2	
11	656	64.13	148.1	
12	686	70.91	156.6	
13	866	304.80	533.1	
14	934	214.46	347.9	
15	1,918	4.72	3.7	
16	2,167	5.69	4.0	
17	2,850	5.95	3.2	
18	3,873	7.10	2.8	
19	6,749	4.51	1.0	
20	10,380	75.00	10.9	Upper Marker
21	11,818	0.00	0.0	

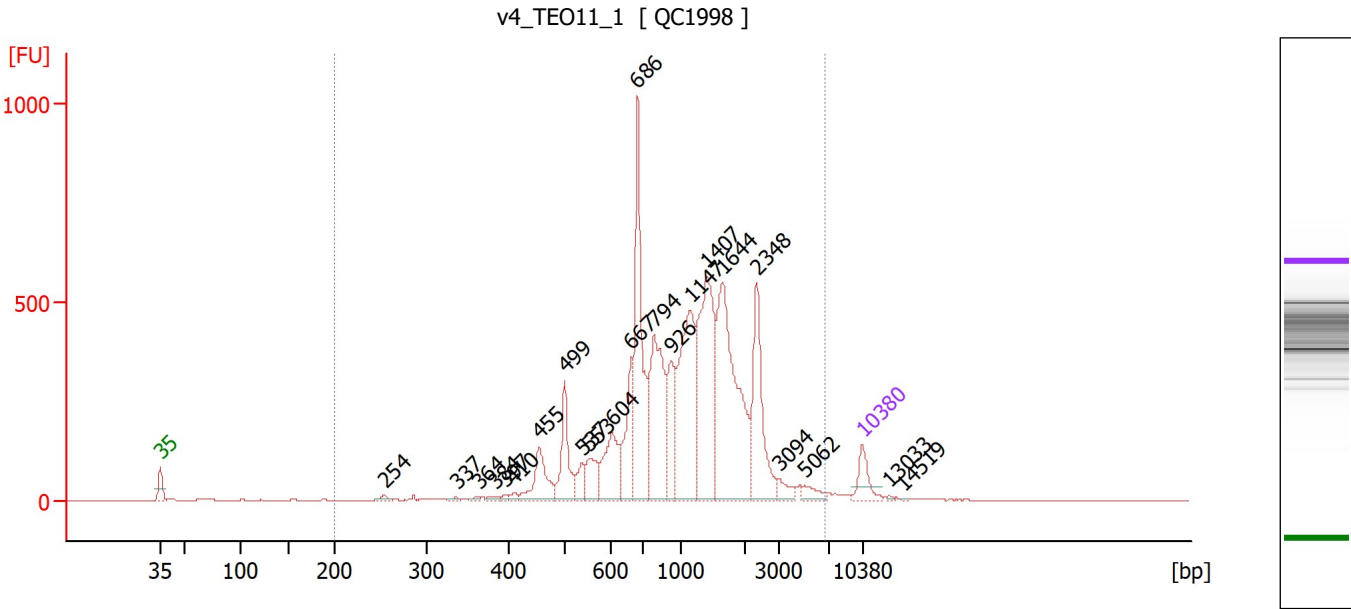
**Region table for sample 3 : V4\_UFO\_1**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
288	6,943	982.5	85	1,032	89.1	1,021.00	2,082.9	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 bioanalyzer\2100 expert\data\2024-10-10\QC1998-QC1999.xad

Created: 10/10/2024 12:40:01 PM  
 Modified: 10/10/2024 3:52:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : v4\_TEO11\_1**

Number of peaks found: 23                      Corr. Area 1: 7,432.1  
 Noise: 0.2

**Peak table for sample 4 : v4\_TEO11\_1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	254	12.34	73.5	
3	337	7.32	32.9	
4	364	6.85	28.5	
5	384	12.71	50.2	
6	397	11.31	43.1	
7	410	13.78	50.9	
8	455	176.44	587.8	
9	499	221.19	671.0	
10	537	65.06	183.5	
11	553	111.71	306.0	
12	604	214.33	538.0	
13	667	220.63	501.1	
14	686	619.11	1,367.4	
15	794	476.26	908.6	
16	926	216.96	355.0	
17	1,147	531.34	701.9	
18	1,407	590.38	635.5	
19	1,644	719.59	663.4	
20	2,348	326.74	210.8	
21	3,094	40.04	19.6	
22	5,062	37.80	11.3	
23	10,380	75.00	10.9	Upper Marker
24	13,033	0.00	0.0	
25	14,519	0.00	0.0	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 bioanalyzer\2100 expert\data\2024-10-10\QC1998-QC1999.xad

Created: 10/10/2024 12:40:01 PM  
 Modified: 10/10/2024 3:52:50 PM

**Electropherogram Summary Continued ...**

... Region table for sample 4 :

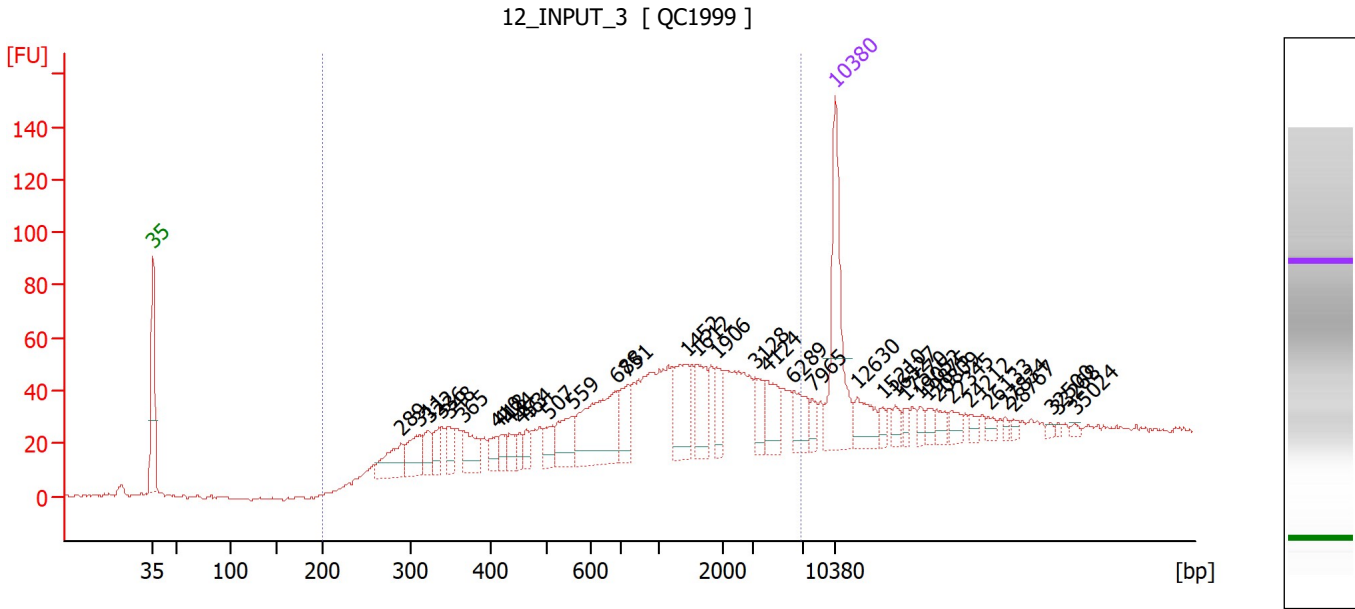
v4\_TEO11\_1

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	6,760	7,432.1	98	1,273	62.9	4,687.86	8,035.4	■

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 bioanalyzer\2100 expert\data\2024-10-10\QC1998-QC1999.xad

Created: 10/10/2024 12:40:01 PM  
 Modified: 10/10/2024 3:52:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 12\_INPUT\_3**

Number of peaks found: 37                      Corr. Area 1: 1,080.9  
 Noise: 0.6

**Peak table for sample 5 : 12\_INPUT\_3**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	289	35.69	187.3	
3	311	30.02	146.3	
4	322	17.50	82.3	
5	336	17.90	80.7	
6	348	16.97	74.0	
7	365	29.29	121.6	
8	410	12.95	47.8	
9	418	11.45	41.5	
10	434	11.89	41.5	
11	453	9.07	30.4	
12	464	9.52	31.1	
13	507	15.30	45.7	
14	559	31.13	84.4	
15	688	82.19	181.1	
16	751	28.14	56.7	
17	1,452	40.03	41.8	
18	1,612	27.75	26.1	
19	1,906	15.76	12.5	
20	3,128	15.52	7.5	
21	4,124	22.98	8.4	
22	6,289	21.05	5.1	
23	7,965	8.24	1.6	
24	10,380	75.00	10.9	Upper Marker
25	12,630	0.00	0.0	
26	15,210	0.00	0.0	



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 bioanalyzer\2100 expert\data\2024-10-10\QC1998-QC1999.xad

Created: 10/10/2024 12:40:01 PM  
 Modified: 10/10/2024 3:52:50 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 5 : 12 INPUT 3**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	16,527	0.00	0.0	
28	17,570	0.00	0.0	
29	19,052	0.00	0.0	
30	19,875	0.00	0.0	
31	20,809	0.00	0.0	
32	22,345	0.00	0.0	
33	24,212	0.00	0.0	
34	26,133	0.00	0.0	
35	27,834	0.00	0.0	
36	28,767	0.00	0.0	
37	32,500	0.00	0.0	
38	33,268	0.00	0.0	
39	35,024	0.00	0.0	

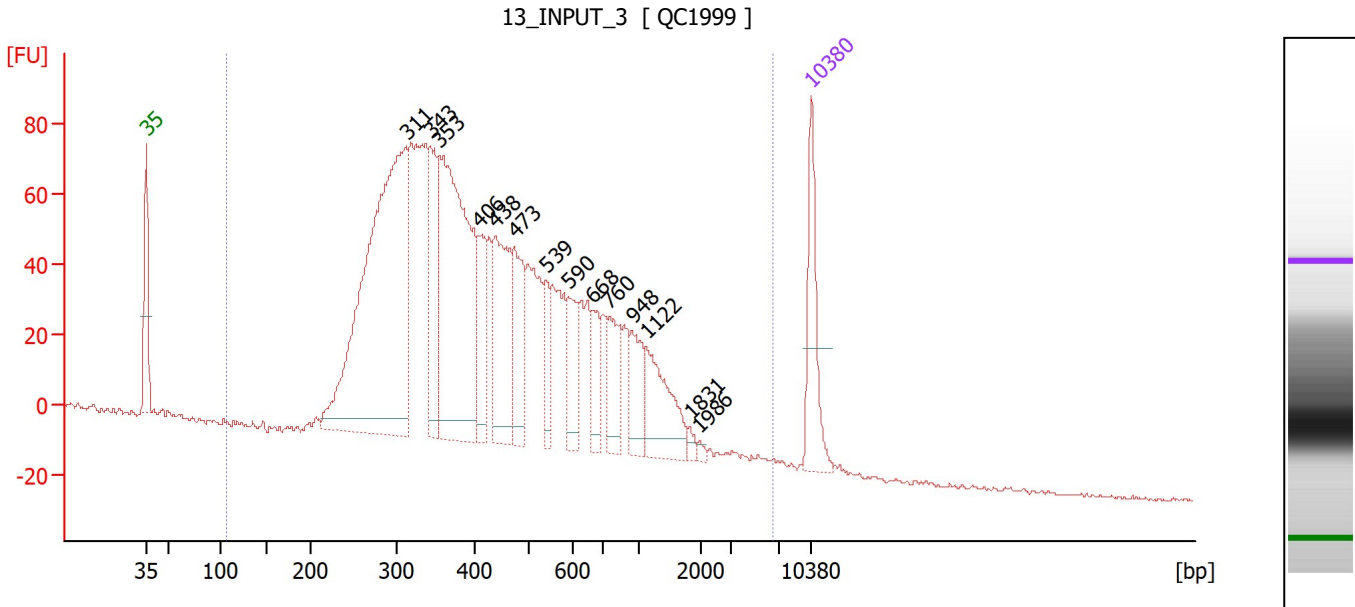
**Region table for sample 5 : 12 INPUT 3**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	6,871	1,080.9	80	1,518	97.6	755.24	1,842.5	<span style="color: blue;">■</span>

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 bioanalyzer\2100 expert\data\2024-10-10\QC1998-QC1999.xad

Created: 10/10/2024 12:40:01 PM  
 Modified: 10/10/2024 3:52:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : 13 INPUT 3**

Number of peaks found: 14                      Corr. Area 1: 2,344.4  
 Noise: 0.4

**Peak table for sample 6 : 13 INPUT 3**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	311	694.77	3,380.4	
3	343	115.50	510.2	
4	353	441.77	1,894.7	
5	406	72.49	270.6	
6	438	158.66	549.5	
7	473	98.71	316.1	
8	539	41.68	117.2	
9	590	54.30	139.5	
10	668	40.20	91.1	
11	760	59.48	118.6	
12	948	51.23	81.9	
13	1,122	84.86	114.6	
14	1,831	6.19	5.1	
15	1,986	3.91	3.0	
16	10,380	75.00	10.9	Upper Marker

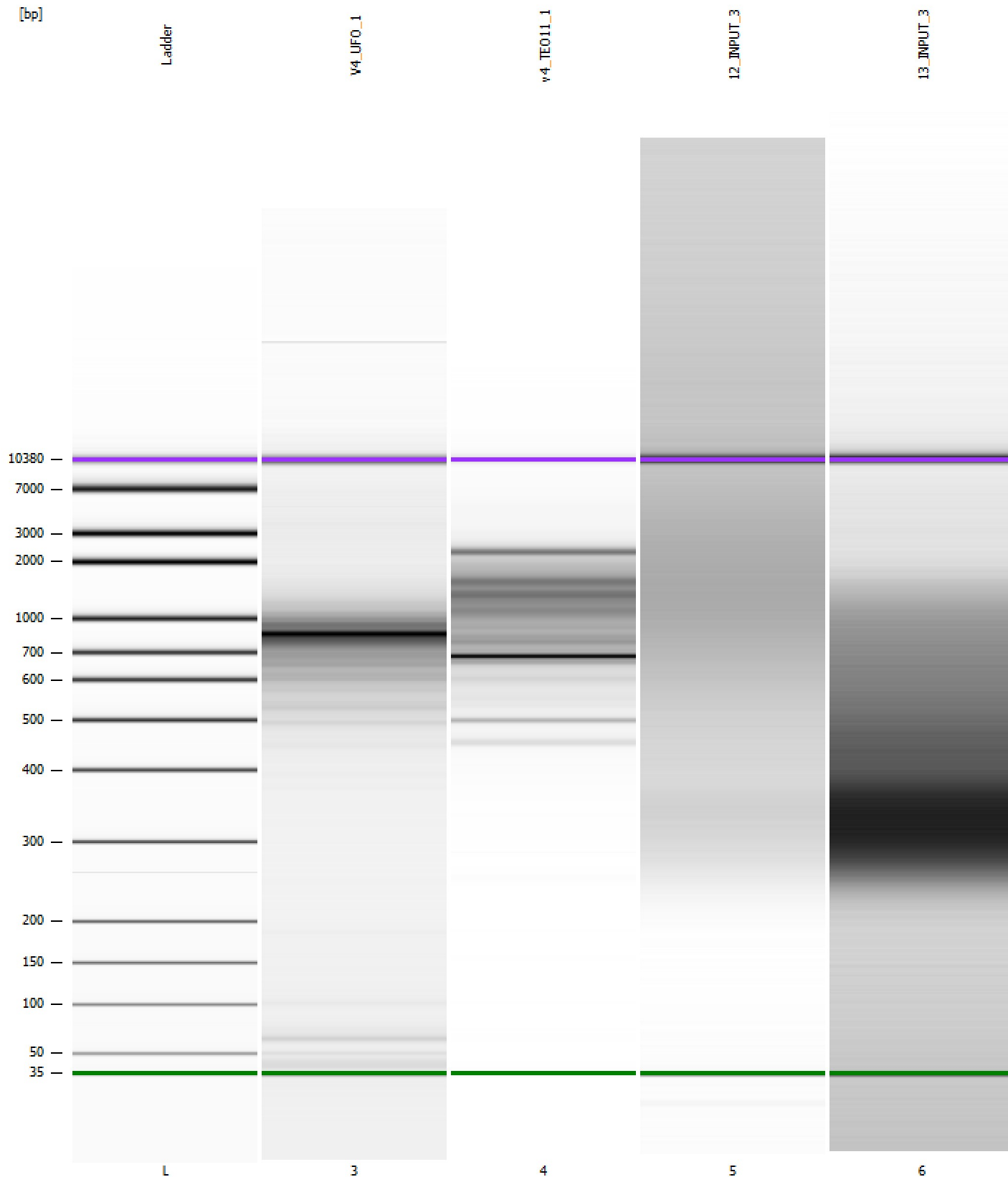
**Region table for sample 6 : 13 INPUT 3**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
105	6,434	2,344.4	99	524	78.8	2,649.78	10,407.6	Blue

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...0 bioanalyzer\2100 expert\data\2024-10-10\QC1998-QC1999.xad

Created: 10/10/2024 12:40:01 PM  
Modified: 10/10/2024 3:52:50 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...0 bioanalyzer\2100 expert\data\2024-10-10\QC1998-QC1999.xad

Created: 10/10/2024 12:40:01 PM  
 Modified: 10/10/2024 3:52:50 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		10/10/2024 1:21:19 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\2024-10-10\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2024-10-10_001.xad)		Instrument	Run		10/10/2024 12:40:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/10/2024 12:40:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/10/2024 12:40:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/10/2024 12:40:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/10/2024 12:40:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/10/2024 12:40:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/10/2024 12:40:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB