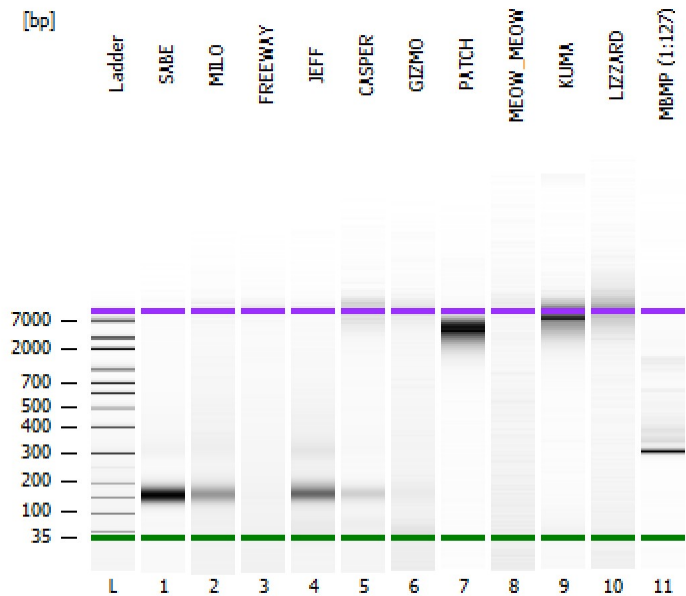


Assay Class: High Sensitivity DNA Assay  
Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-09-17\_002.xad

Created: 9/17/2020 1:14:02 PM  
Modified: 9/17/2020 2:02:32 PM

Electrophoresis File Run Summary



Instrument Information:

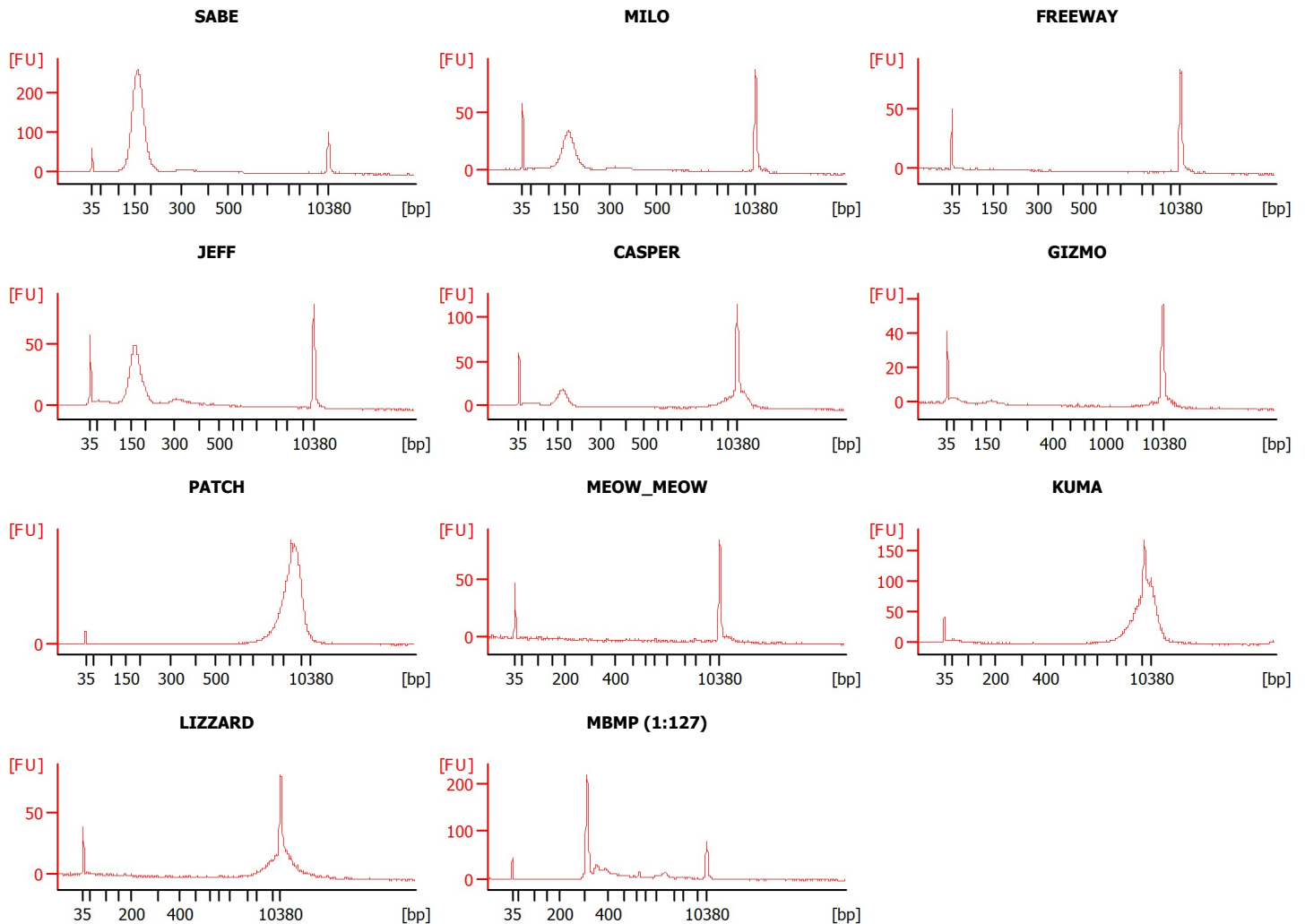
Instrument Name: DE34903152      Firmware: C.01.069  
Serial#: DE34903152      Type: G2938C

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: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-09-17\_002.xad

Created: 9/17/2020 1:14:02 PM  
 Modified: 9/17/2020 2:02:32 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
SABE		<input type="checkbox"/>	✓			
MILO		<input type="checkbox"/>	✓			
FREEWAY		<input type="checkbox"/>	✓			
JEFF		<input type="checkbox"/>	✓			
CASPER		<input type="checkbox"/>	✓			
GIZMO		<input type="checkbox"/>	✓			
PATCH		<input type="checkbox"/>	✓			
MEOW_MEOW		<input type="checkbox"/>	✓			
KUMA		<input type="checkbox"/>	✓			
LIZZARD		<input type="checkbox"/>	✓			
MBMP (1:127)		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-09-17\_002.xad

Created: 9/17/2020 1:14:02 PM  
 Modified: 9/17/2020 2:02:32 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

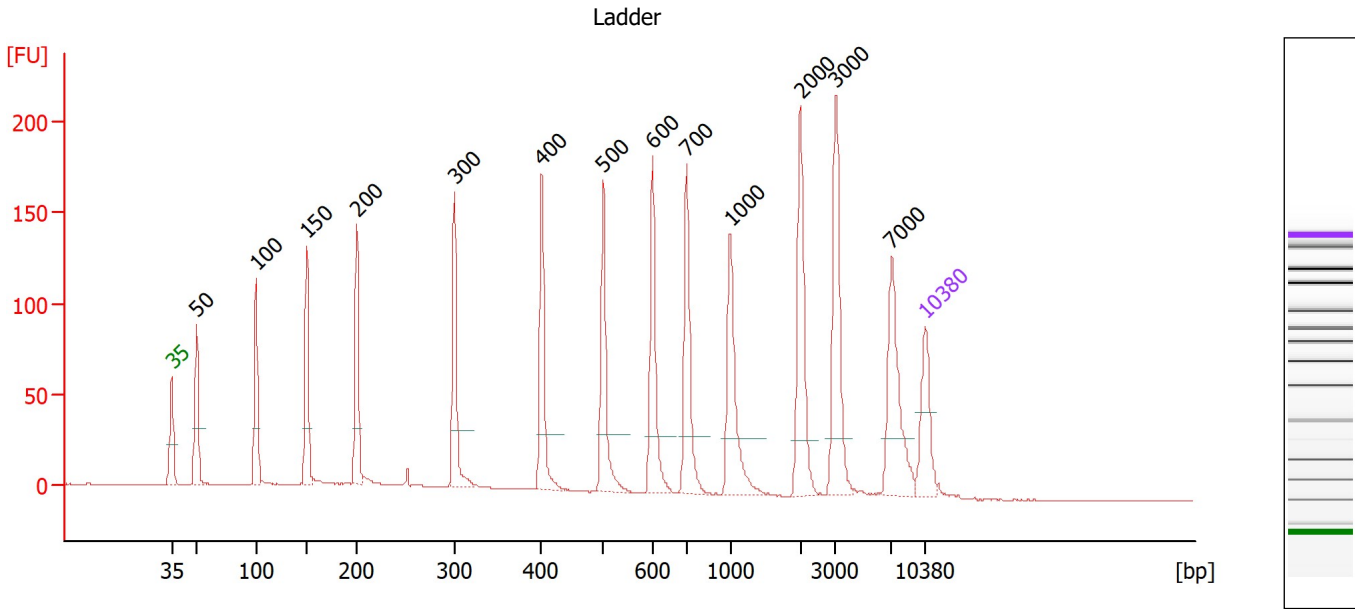
**Ladder**

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: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-09-17\_002.xad

Created: 9/17/2020 1:14:02 PM  
 Modified: 9/17/2020 2:02:32 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

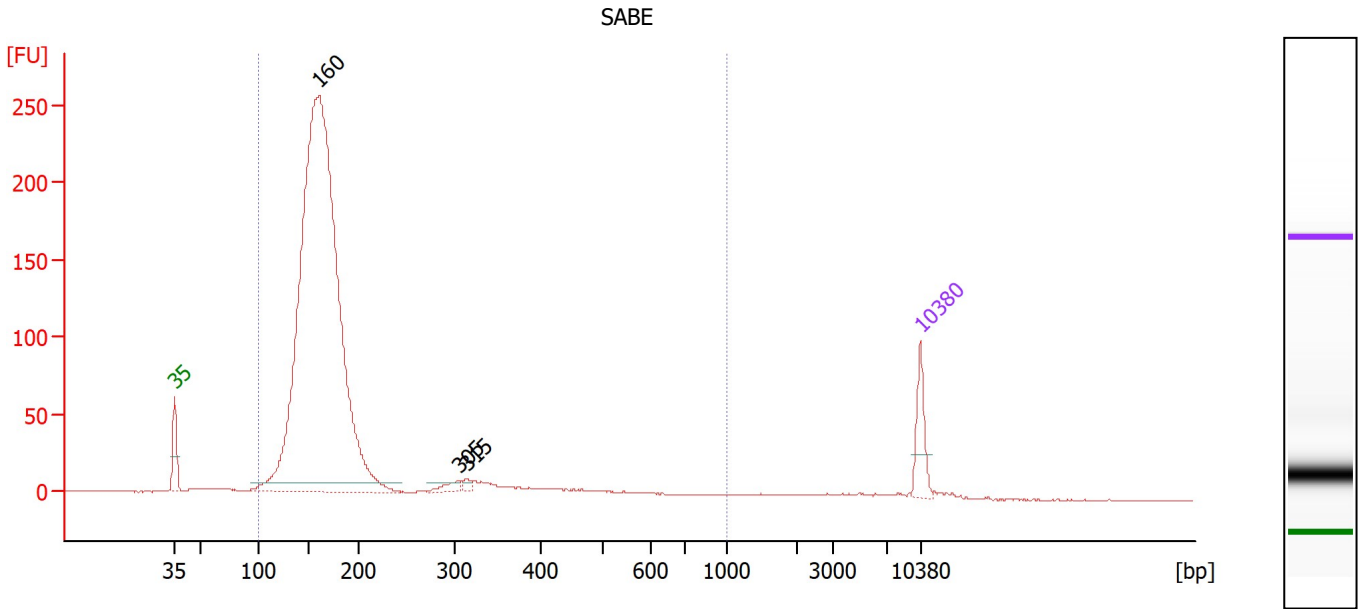
**Peak table for Ladder**

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: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-09-17\_002.xad

Created: 9/17/2020 1:14:02 PM  
 Modified: 9/17/2020 2:02:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : SABE**

Number of peaks found: 3                      Corr. Area 1: 2,098.8  
 Noise: 0.3

**Peak table for sample 1 : SABE**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	160	3,712.78	35,123.8	
3	305	28.12	139.6	
4	315	13.54	65.2	
5	10,380	75.00	10.9	Upper Marker

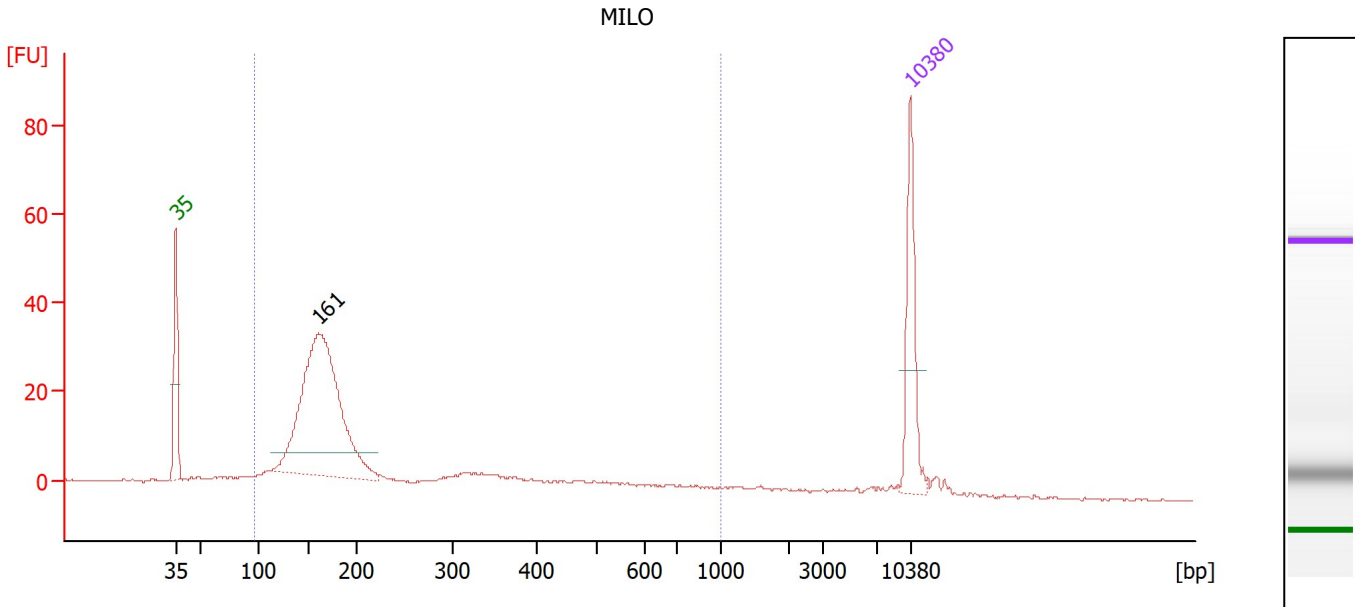
**Region table for sample 1 : SABE**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
100	1,000	2,098.8	96	185	46.5	3,974.22	36,595.2	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-09-17\_002.xad

Created: 9/17/2020 1:14:02 PM  
 Modified: 9/17/2020 2:02:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : MILO**

Number of peaks found: 1                      Corr. Area 1: 361.5  
 Noise: 0.2

**Peak table for sample 2 : MILO**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	161	498.16	4,695.7	
3	10,380	75.00	10.9	Upper Marker

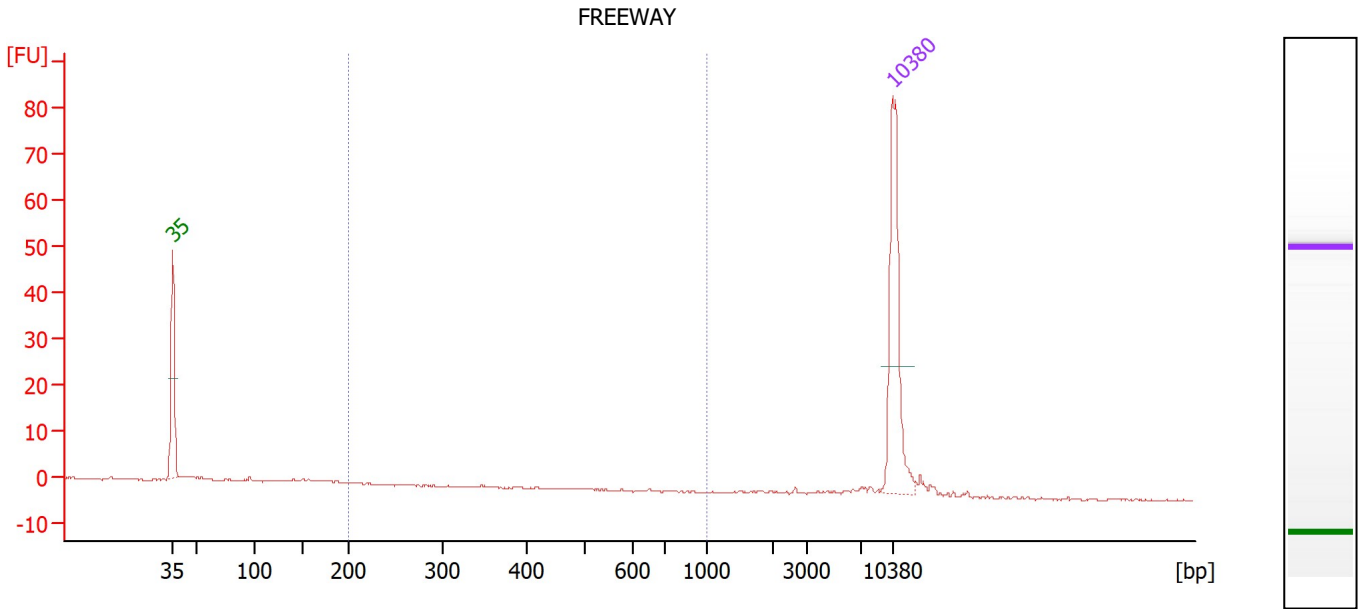
**Region table for sample 2 : MILO**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
97	1,000	361.5	89	232	62.8	703.18	6,048.1	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-09-17\_002.xad

Created: 9/17/2020 1:14:02 PM  
 Modified: 9/17/2020 2:02:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : FREWAY**

Number of peaks found: 0                      Corr. Area 1: 0.2  
 Noise: 0.2

**Peak table for sample 3 : FREWAY**

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

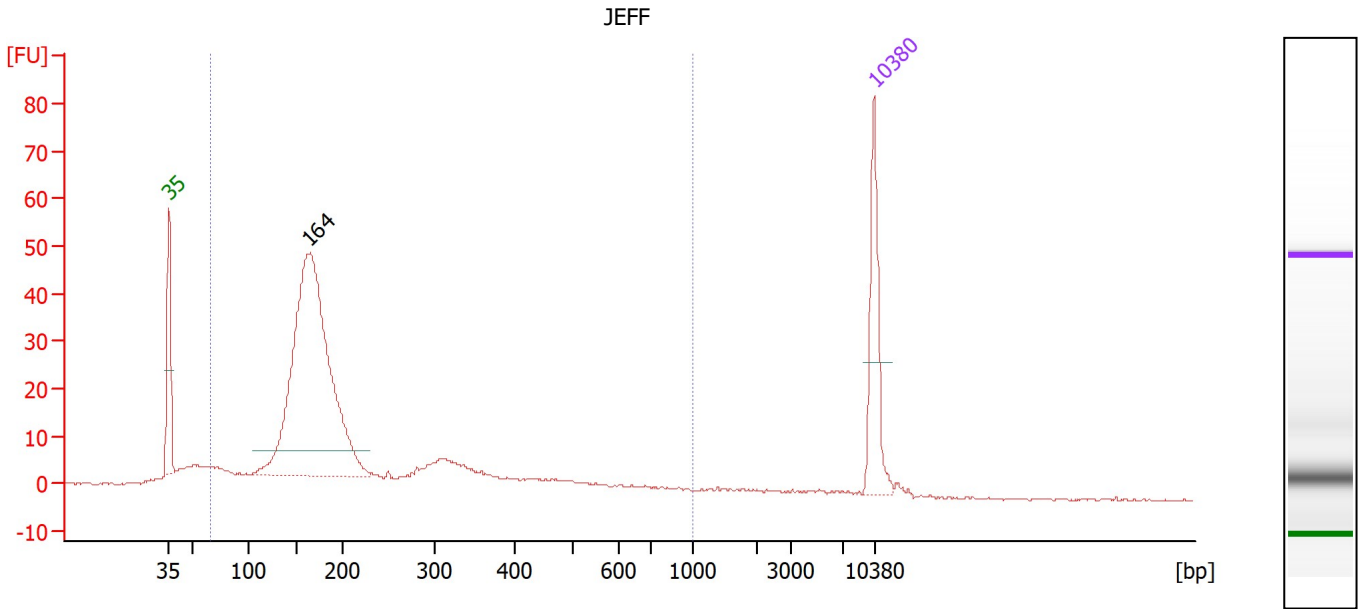
**Region table for sample 3 : FREWAY**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	0.2	1	355	49.9	0.31	1.8	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-09-17\_002.xad

Created: 9/17/2020 1:14:02 PM  
 Modified: 9/17/2020 2:02:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : JEFF**

Number of peaks found: 1                      Corr. Area 1: 518.4  
 Noise: 0.3

**Peak table for sample 4 : JEFF**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	164	698.33	6,433.7	
3	10,380	75.00	10.9	Upper Marker

**Region table for sample 4 : JEFF**

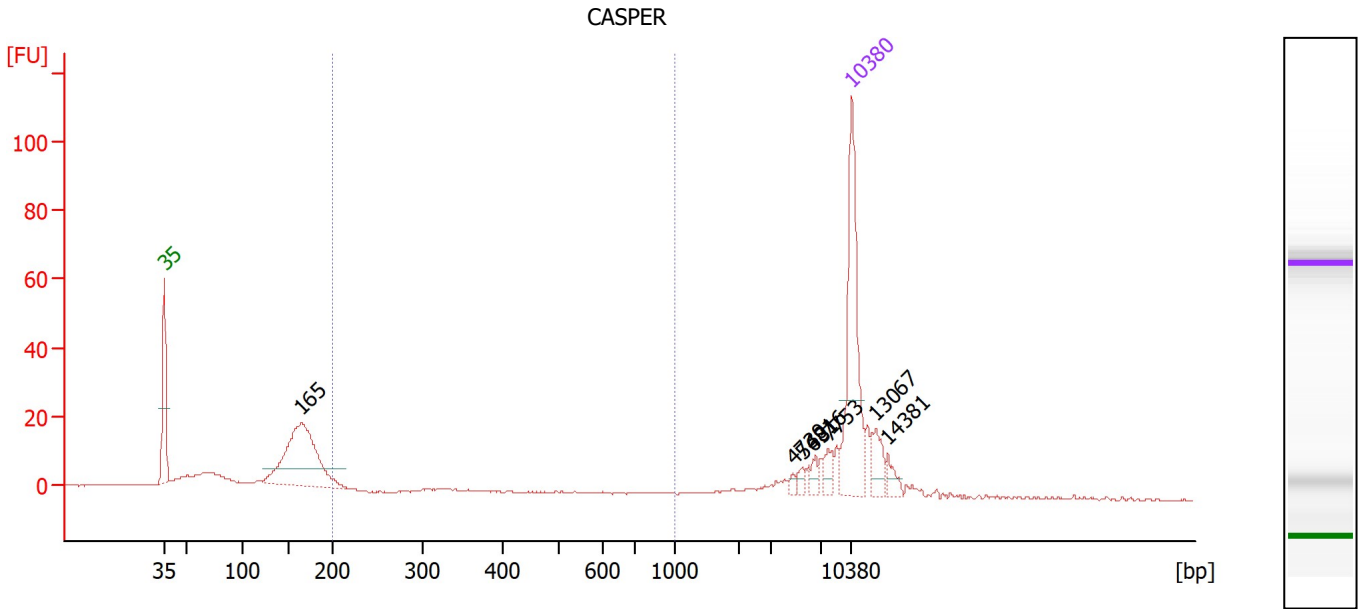
From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
66	1,000	518.4	92	220	56.0	1,014.40	8,999.5	Blue



Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-09-17\_002.xad

Created: 9/17/2020 1:14:02 PM  
 Modified: 9/17/2020 2:02:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : CASPER**

Number of peaks found: 7                      Corr. Area 1: 6.5  
 Noise: 0.2

**Peak table for sample 5 : CASPER**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	165	139.94	1,286.7	
3	4,730	2.74	0.9	
4	5,481	4.39	1.2	
5	6,316	5.51	1.3	
6	7,753	8.54	1.7	
7	10,380	75.00	10.9	Upper Marker
8	13,067	0.00	0.0	
9	14,381	0.00	0.0	

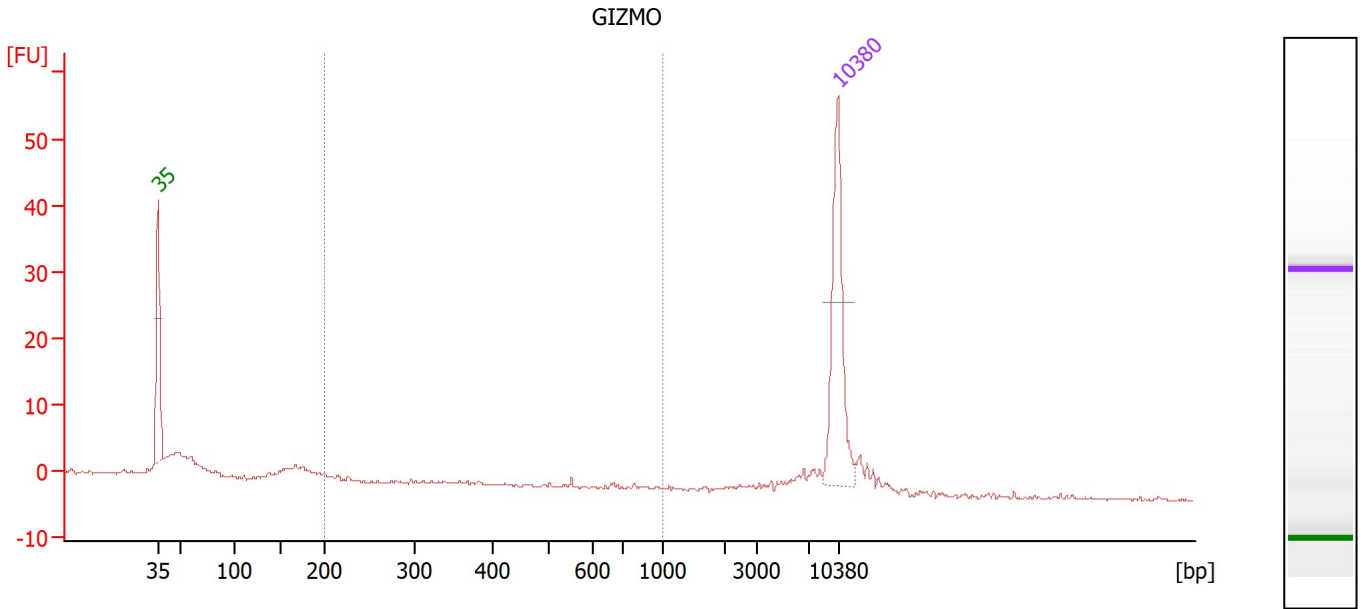
**Region table for sample 5 : CASPER**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	6.5	2	362	60.9	6.74	39.3	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-09-17\_002.xad

Created: 9/17/2020 1:14:02 PM  
 Modified: 9/17/2020 2:02:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : GIZMO**

Number of peaks found: 0                      Corr. Area 1: 2.3  
 Noise: 0.2

**Peak table for sample 6 : GIZMO**

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

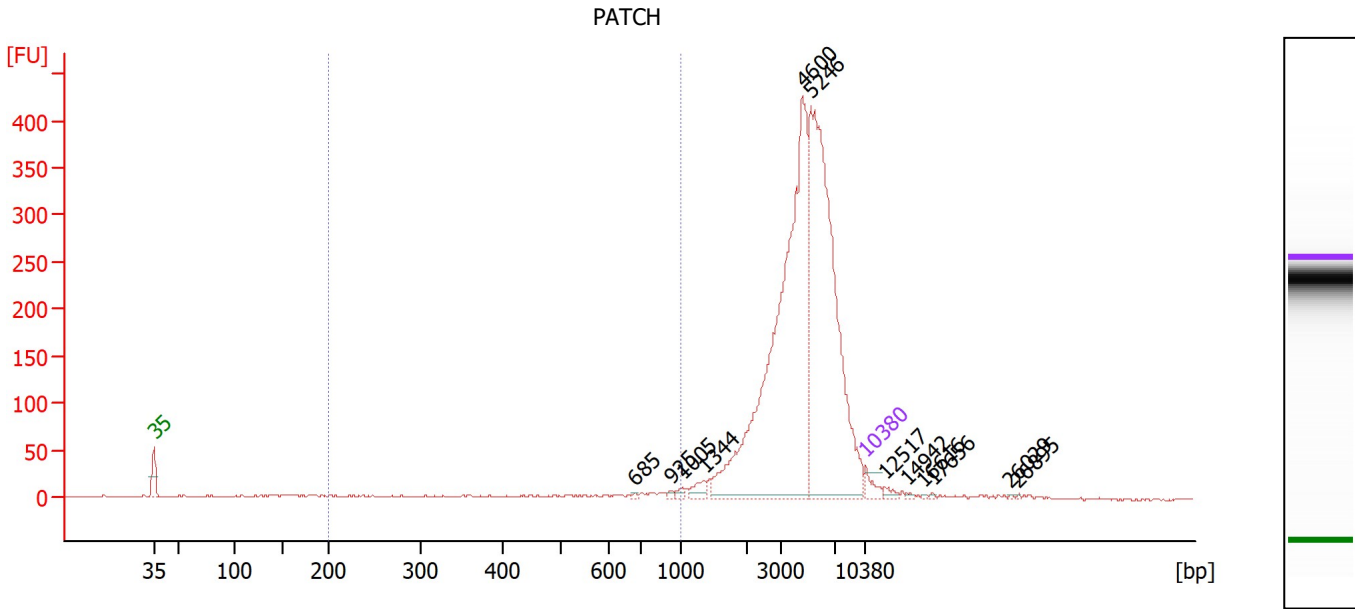
**Region table for sample 6 : GIZMO**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	2.3	4	399	53.2	4.49	24.7	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-09-17\_002.xad

Created: 9/17/2020 1:14:02 PM  
 Modified: 9/17/2020 2:02:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : PATCH**

Number of peaks found: 12      Corr. Area 1: 97.8  
 Noise: 0.7

**Peak table for sample 7 : PATCH**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	685	11.61	25.7	
3	925	18.97	31.1	
4	1,005	27.95	42.1	
5	1,344	80.32	90.5	
6	4,600	3,621.34	1,192.7	
7	5,246	3,084.65	890.9	
8	10,380	75.00	10.9	Upper Marker
9	12,517	0.00	0.0	
10	14,942	0.00	0.0	
11	16,616	0.00	0.0	
12	17,656	0.00	0.0	
13	26,029	0.00	0.0	
14	26,895	0.00	0.0	

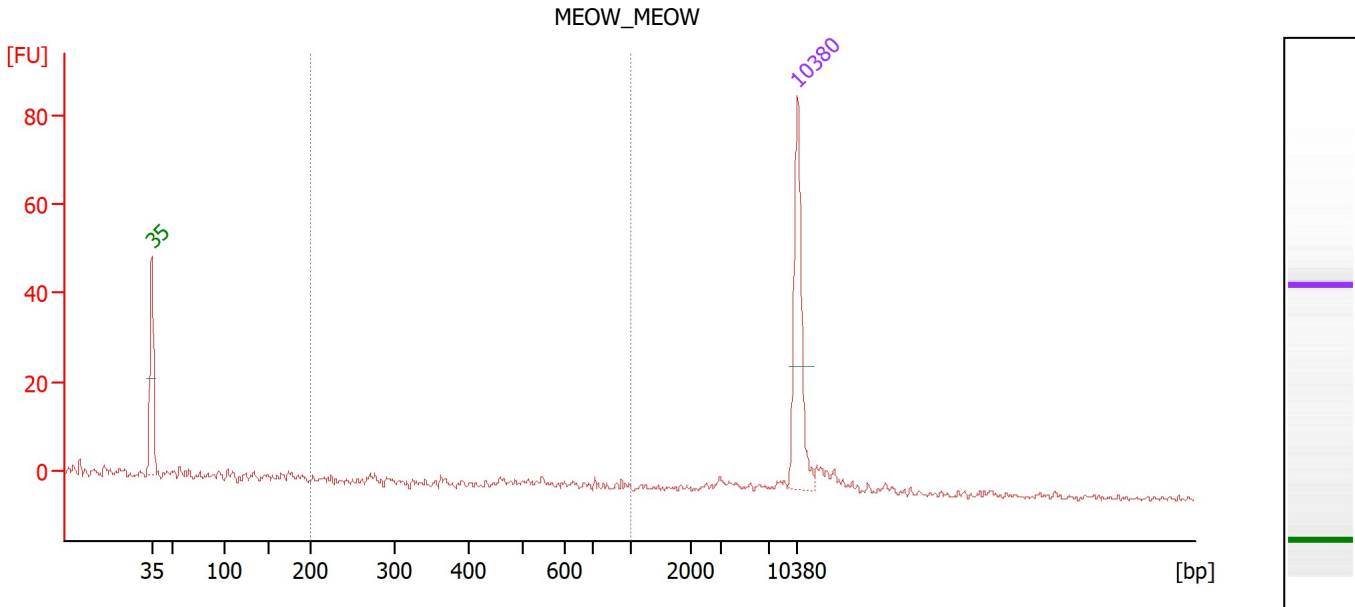
**Region table for sample 7 : PATCH**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	97.8	4	572	40.6	348.23	1,241.4	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-09-17\_002.xad

Created: 9/17/2020 1:14:02 PM  
 Modified: 9/17/2020 2:02:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : MEOW MEOW**

Number of peaks found: 0                      Corr. Area 1: 1.3  
 Noise: 0.6

**Peak table for sample 8 : MEOW MEOW**

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

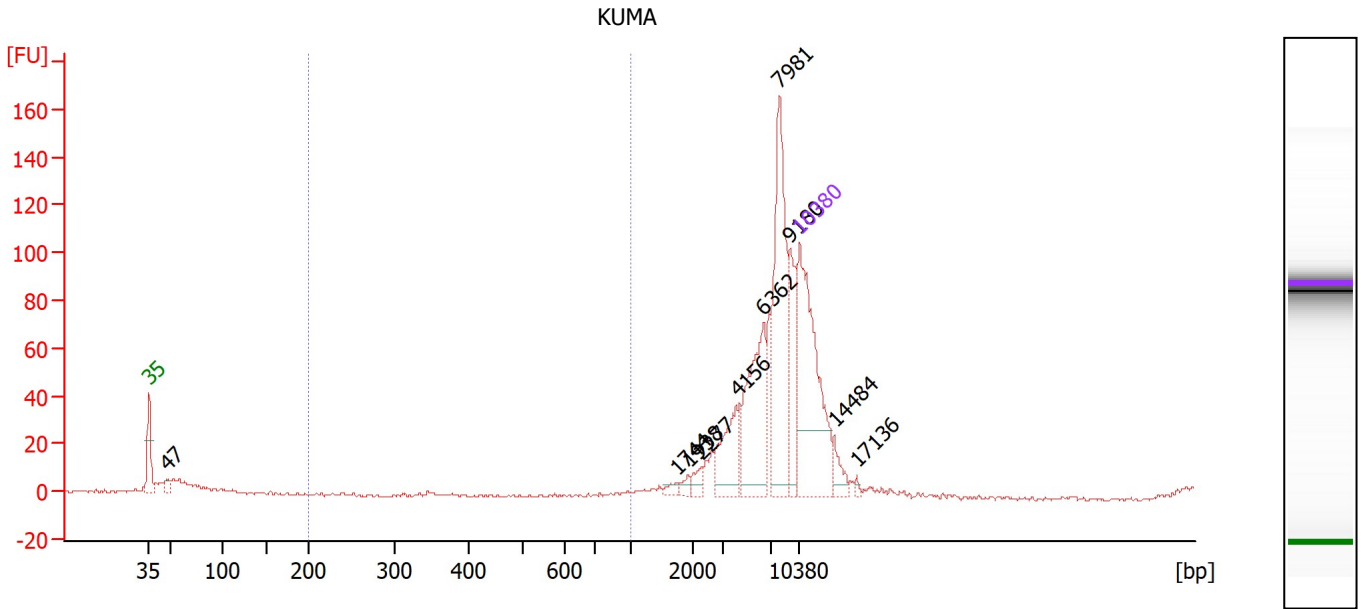
**Region table for sample 8 : MEOW MEOW**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1.3	7	519	36.5	1.84	6.7	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-09-17\_002.xad

Created: 9/17/2020 1:14:02 PM  
 Modified: 9/17/2020 2:02:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : KUMA**

Number of peaks found: 10                      Corr. Area 1: 0.0  
 Noise: 0.7

**Peak table for sample 9 : KUMA**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	47	5.48	176.0	
3	1,744	2.57	2.2	
4	1,938	2.79	2.2	
5	2,277	4.26	2.8	
6	4,156	23.34	8.5	
7	6,362	50.06	11.9	
8	7,981	71.06	13.5	
9	9,180	25.96	4.3	
10	10,380	75.00	10.9	Upper Marker
11	14,484	0.00	0.0	
12	17,136	0.00	0.0	

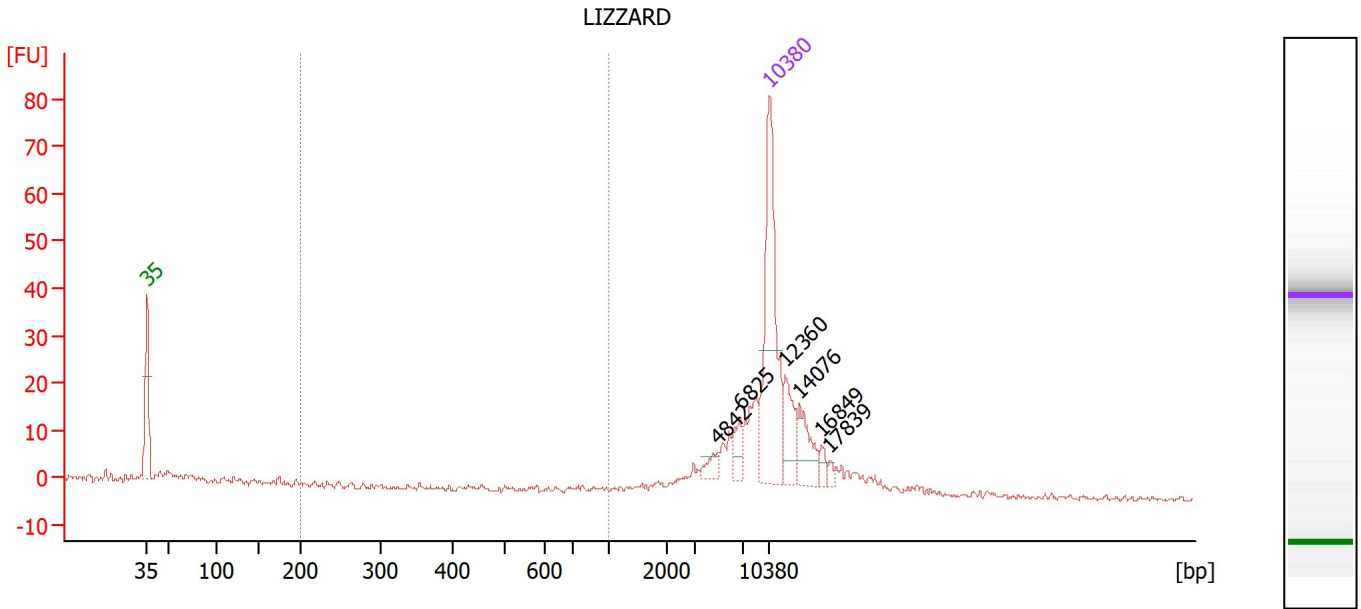
**Region table for sample 9 : KUMA**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	0.0	0	0	0.0	0.00	0.0	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-09-17\_002.xad

Created: 9/17/2020 1:14:02 PM  
 Modified: 9/17/2020 2:02:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : LIZZARD**

Number of peaks found: 6                      Corr. Area 1: 0.7  
 Noise: 0.6

**Peak table for sample 10 : LIZZARD**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	4,842	5.97	1.9	
3	6,825	8.91	2.0	
4	10,380	75.00	10.9	Upper Marker
5	12,360	0.00	0.0	
6	14,076	0.00	0.0	
7	16,849	0.00	0.0	
8	17,839	0.00	0.0	

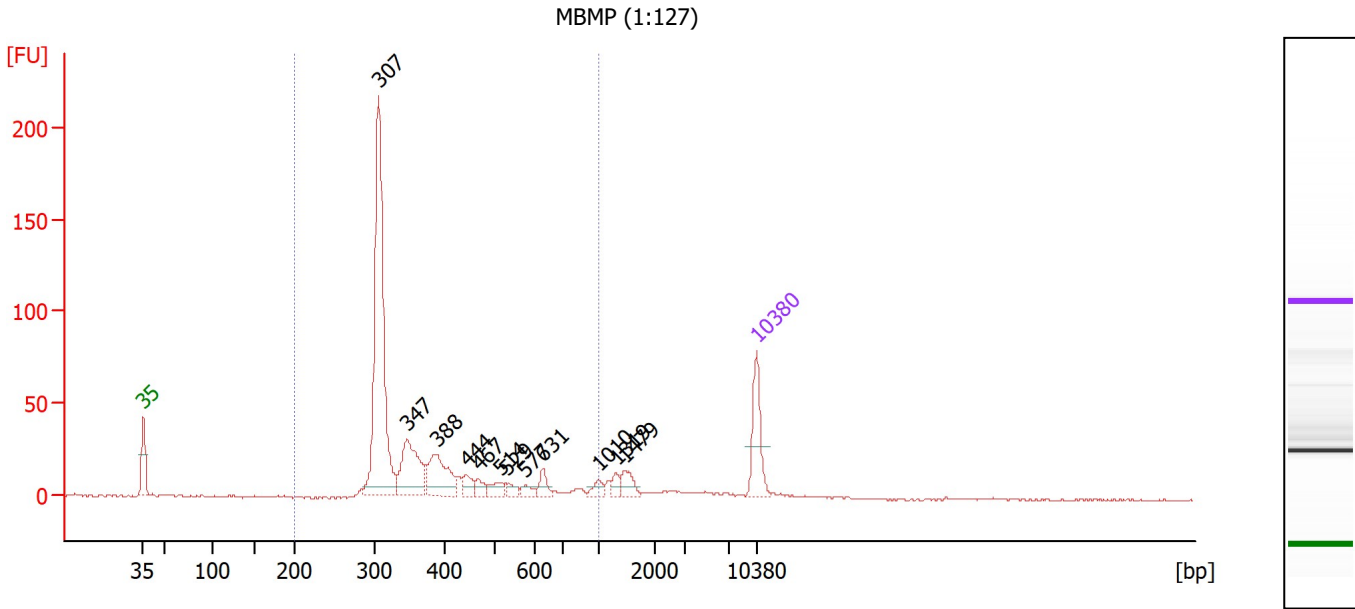
**Region table for sample 10 : LIZZARD**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	0.7	0	628	39.6	0.73	2.6	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-09-17\_002.xad

Created: 9/17/2020 1:14:02 PM  
 Modified: 9/17/2020 2:02:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : MBMP (1:127)**

Number of peaks found: 12                      Corr. Area 1: 615.5  
 Noise: 0.4

**Peak table for sample 11 : MBMP (1:127)**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	307	574.88	2,840.4	
3	347	142.08	619.7	
4	388	108.65	424.2	
5	444	26.35	90.0	
6	467	16.50	53.6	
7	514	21.42	63.1	
8	529	14.43	41.3	
9	577	13.69	35.9	
10	631	21.44	51.5	
11	1,010	14.58	21.9	
12	1,319	13.60	15.6	
13	1,479	26.62	27.3	
14	10,380	75.00	10.9	Upper Marker

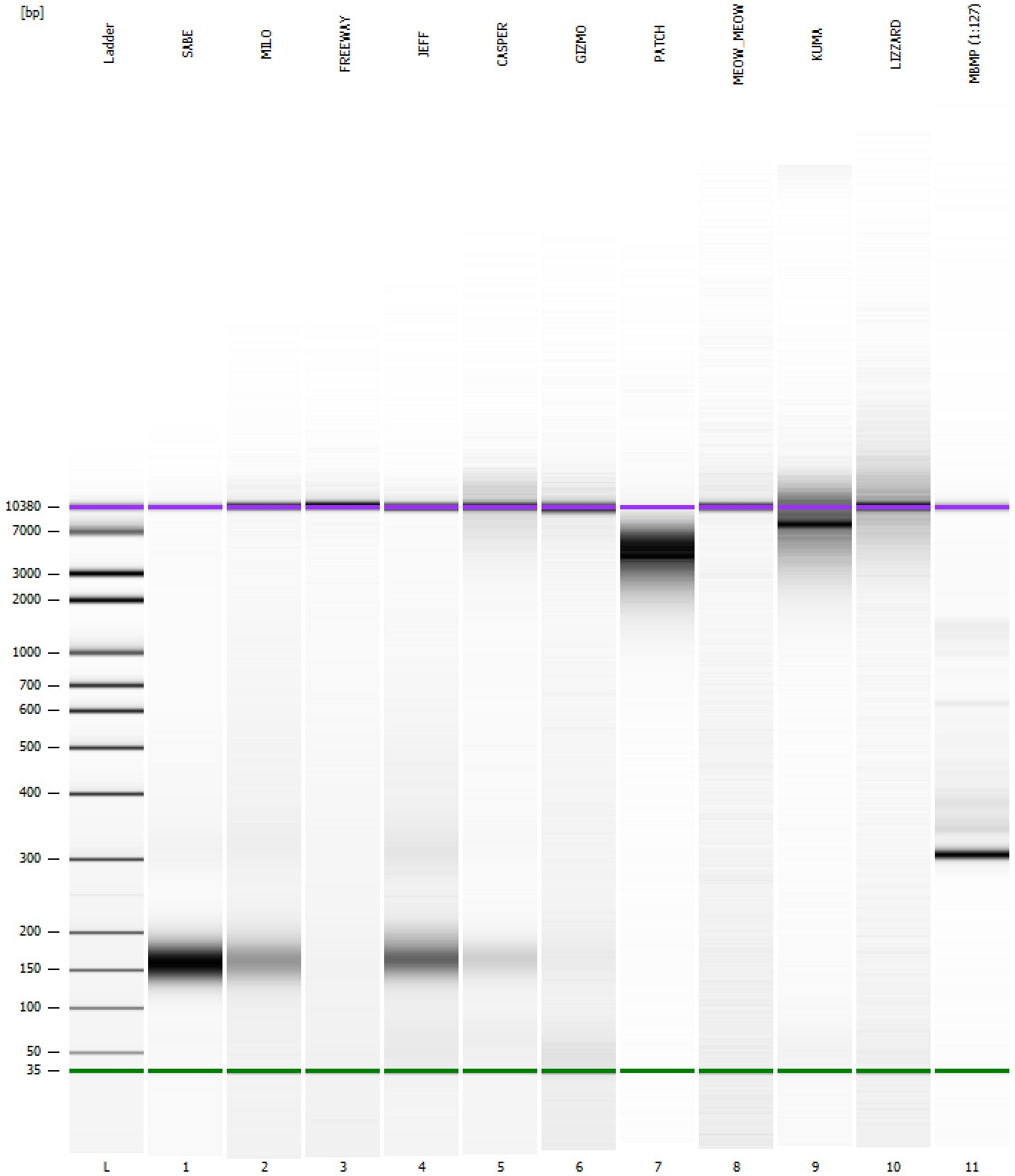
**Region table for sample 11 : MBMP (1:127)**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	615.5	87	382	32.9	1,001.85	4,329.0	Blue

Assay Class: High Sensitivity DNA Assay  
Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-09-17\_002.xad

Created: 9/17/2020 1:14:02 PM  
Modified: 9/17/2020 2:02:32 PM

**Gel Image**





Assay Class: High Sensitivity DNA Assay  
 Data Path: Z:\...\Bioanalyzer1\_High Sensitivity DNA Assay\_2020-09-17\_002.xad

Created: 9/17/2020 1:14:02 PM  
 Modified: 9/17/2020 2:02:32 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		9/17/2020 1:55:40 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-09-17\Bioanalyze r1_High Sensitivity DNA Assay_2020-09-17_002.xad)		Instrument	Run		9/17/2020 1:14:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		9/17/2020 1:14:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		9/17/2020 1:14:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/17/2020 1:14:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/17/2020 1:14:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/17/2020 1:14:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/17/2020 1:14:09 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB