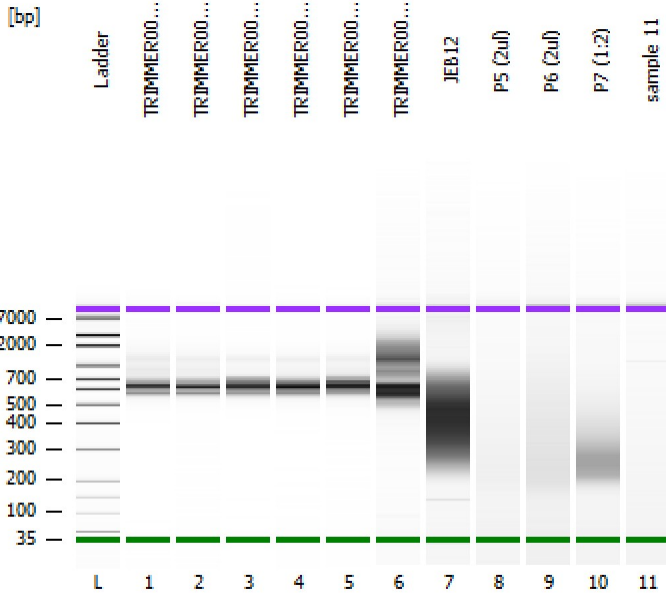


Assay Class: High Sensitivity DNA Assay
Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-28_001.xad

Created: 8/28/2020 4:41:01 PM
Modified: 8/28/2020 5:22:45 PM

Electrophoresis File Run Summary



Instrument Information:

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

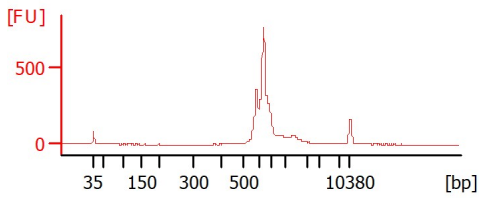
Assay Information:

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

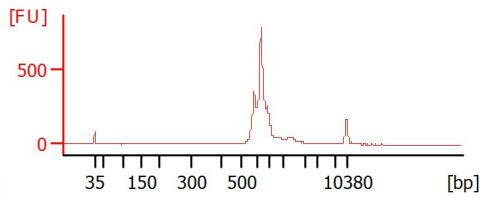
Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

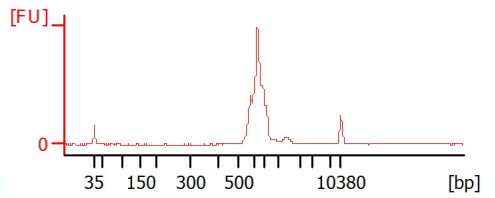
TRIMMER0069_PDP1 lib (1:10)



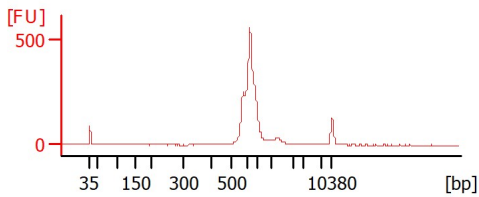
TRIMMER0070_PDP1 lib (1:10)



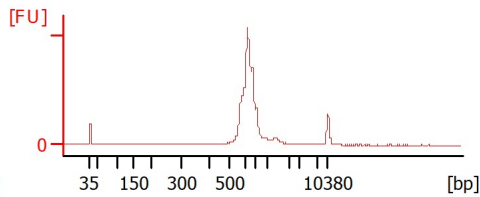
TRIMMER0073_PS1 lib (1:10)



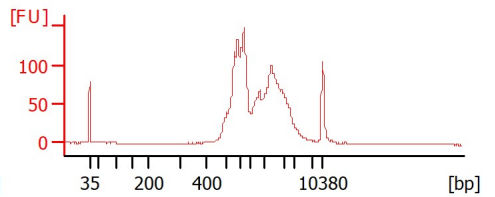
TRIMMER0074_PS2 lib (1:10)



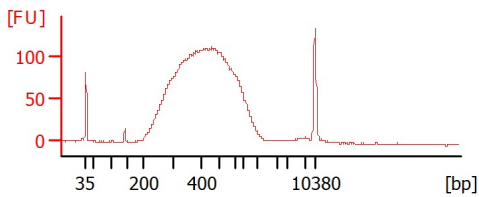
TRIMMER0075_PS3 lib (1:10)



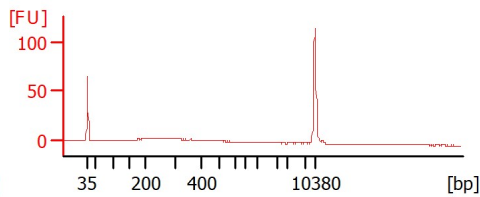
TRIMMER0071_PALT lib (1:5)



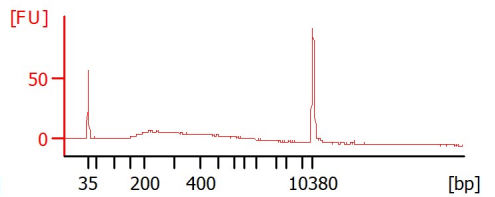
JEB12



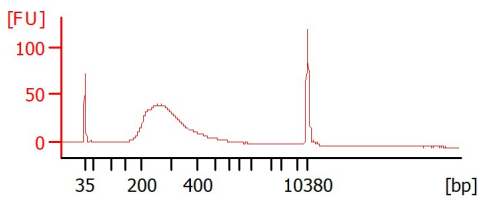
P5 (2ul)



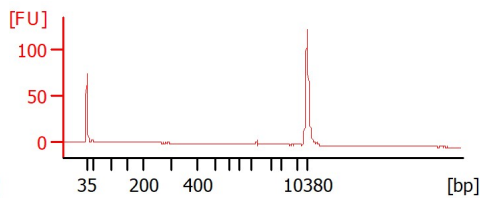
P6 (2ul)



P7 (1:2)



sample 11



Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-28_001.xad

Created: 8/28/2020 4:41:01 PM
 Modified: 8/28/2020 5:22:45 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
TRIMMER0069_PDP1 lib (1:10)		<input type="checkbox"/>	✓			
TRIMMER0070_PDP2 lib (1:10)		<input type="checkbox"/>	✓			
TRIMMER0073_PS1 lib (1:10)		<input type="checkbox"/>	✓			
TRIMMER0074_PS2 lib (1:10)		<input type="checkbox"/>	✓			
TRIMMER0075_PS3 lib (1:10)		<input type="checkbox"/>	✓			
TRIMMER0071_PALT lib (1:5)		<input type="checkbox"/>	✓			
JEB12		<input type="checkbox"/>	✓			
P5 (2ul)		<input type="checkbox"/>	✓			
P6 (2ul)		<input type="checkbox"/>	✓			
P7 (1:2)		<input type="checkbox"/>	✓			
sample 11		<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_2020-08-28_001.xad

Created: 8/28/2020 4:41:01 PM
 Modified: 8/28/2020 5:22:45 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/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

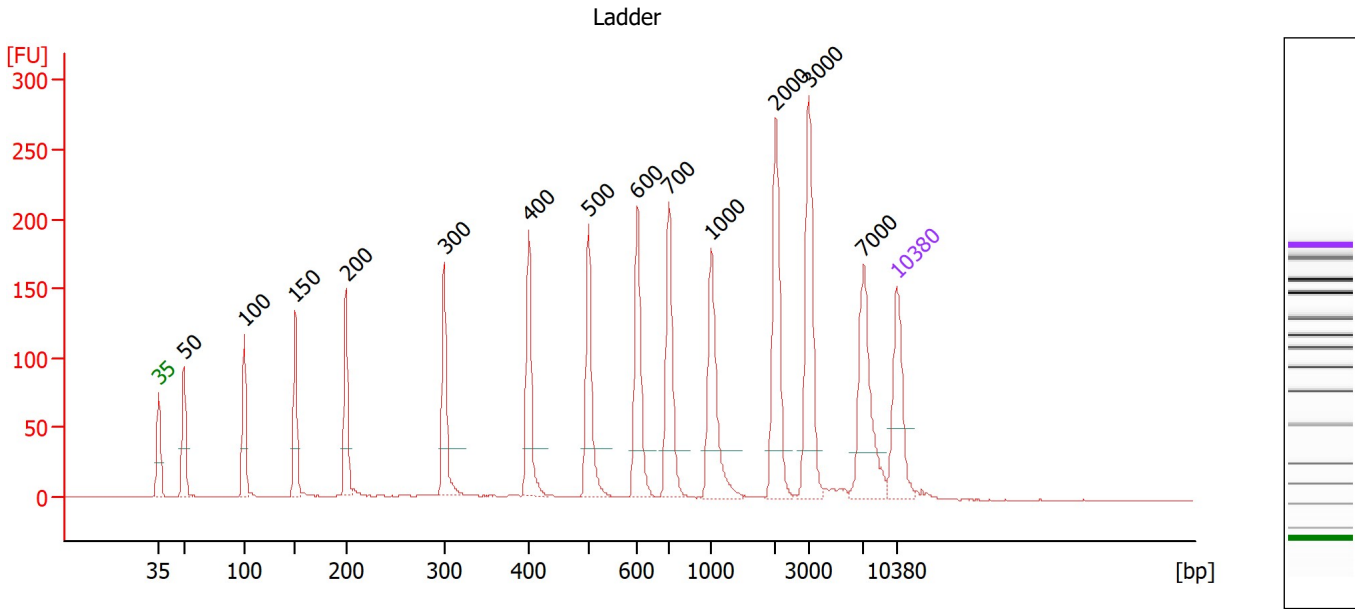
Ladder

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_2020-08-28_001.xad

Created: 8/28/2020 4:41:01 PM
 Modified: 8/28/2020 5:22:45 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

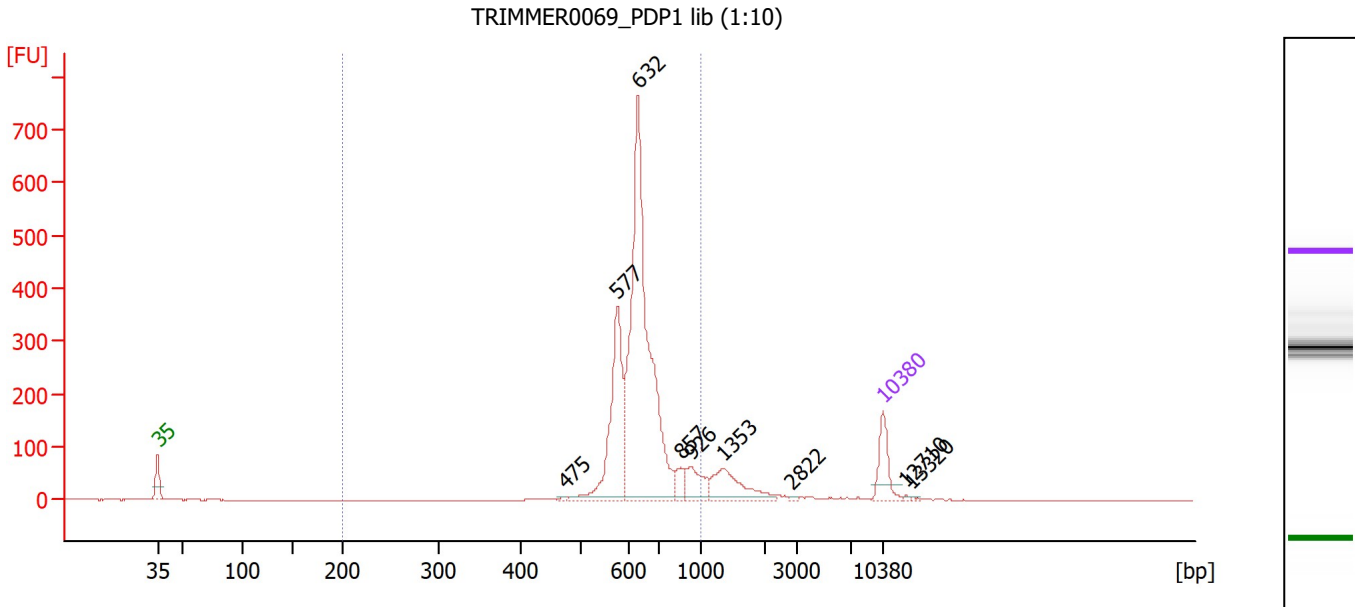
Peak table for Ladder

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_2020-08-28_001.xad

Created: 8/28/2020 4:41:01 PM
 Modified: 8/28/2020 5:22:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : TRIMMER0069 PDP1 lib (1:10)

Number of peaks found: 9 Corr. Area 1: 2,366.2
 Noise: 0.3

Peak table for sample 1 : TRIMMER0069 PDP1 lib (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	475	4.16	13.3	
3	577	365.68	959.6	
4	632	1,034.95	2,481.0	
5	857	34.05	60.2	
6	926	79.38	129.8	
7	1,353	118.03	132.2	
8	2,822	2.89	1.5	
9	10,380	75.00	10.9	Upper Marker
10	12,710	0.00	0.0	
11	13,320	0.00	0.0	

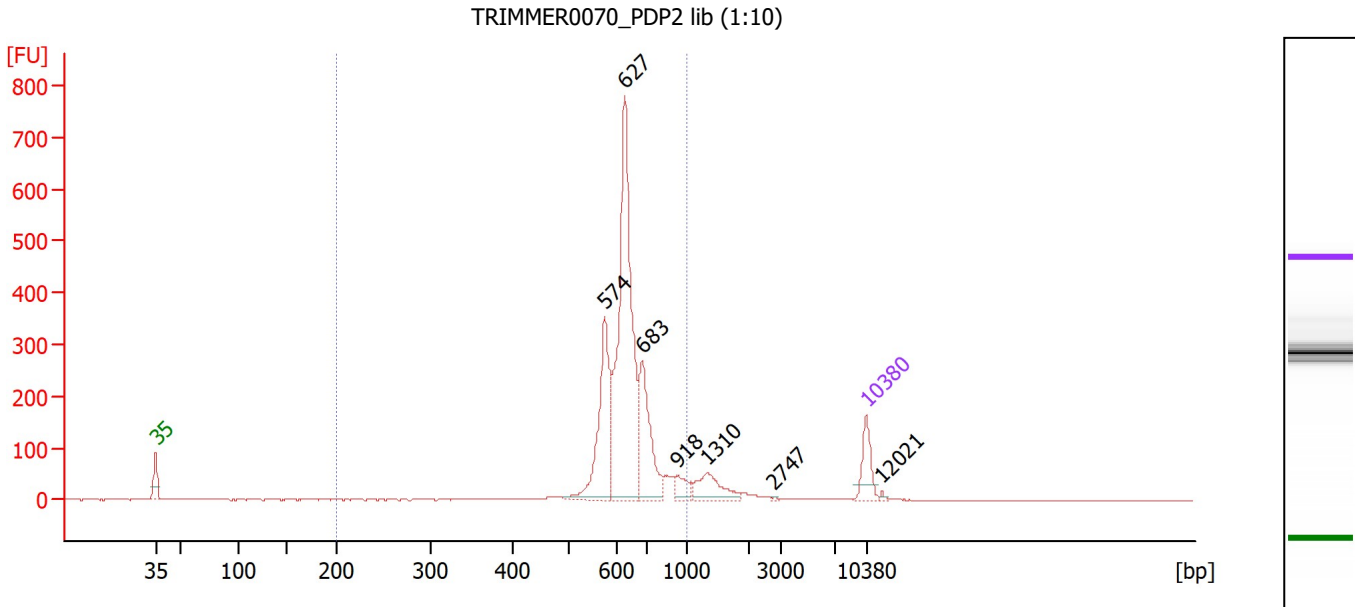
Region table for sample 1 : TRIMMER0069 PDP1 lib (1:10)

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	2,366.2	87	646	13.5	1,508.55	3,595.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-28_001.xad

Created: 8/28/2020 4:41:01 PM
 Modified: 8/28/2020 5:22:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : TRIMMER0070 PDP2 lib (1:10)

Number of peaks found: 7 Corr. Area 1: 2,309.9
 Noise: 0.5

Peak table for sample 2 : TRIMMER0070 PDP2 lib (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	574	371.02	979.1	
3	627	882.19	2,133.3	
4	683	274.69	609.5	
5	918	47.07	77.7	
6	1,310	91.75	106.1	
7	2,747	1.94	1.1	
8	10,380	75.00	10.9	Upper Marker
9	12,021	0.00	0.0	

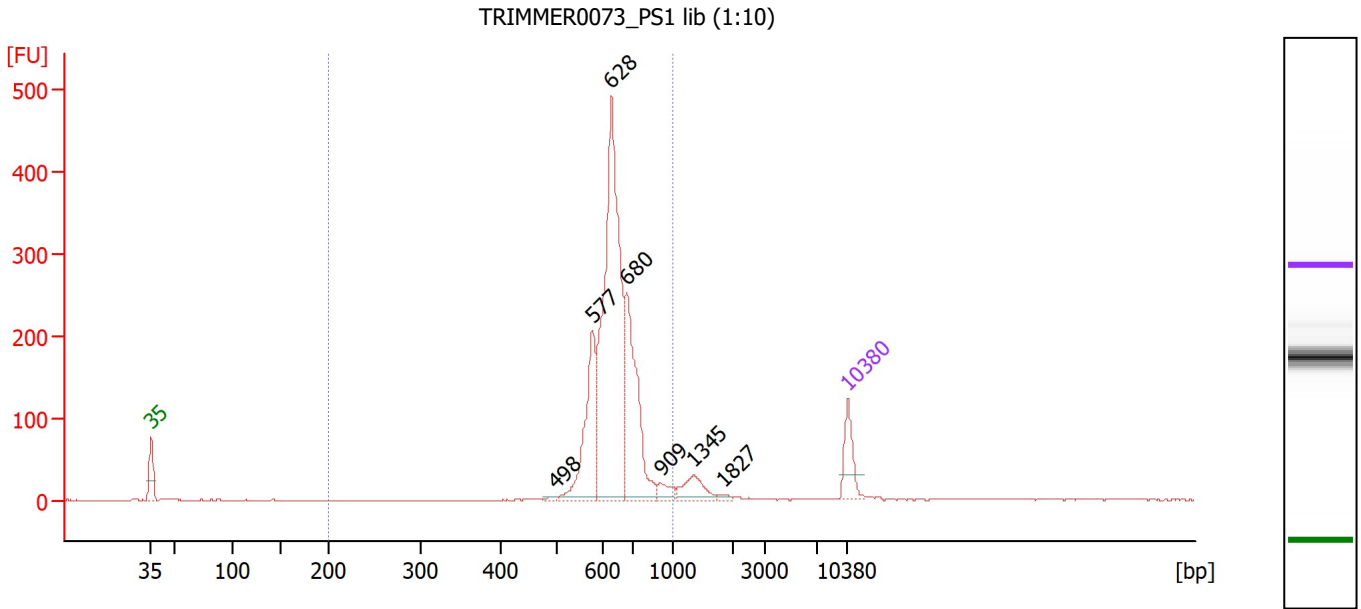
Region table for sample 2 : TRIMMER0070 PDP2 lib (1:10)

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	2,309.9	90	640	13.2	1,633.25	3,938.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-28_001.xad

Created: 8/28/2020 4:41:01 PM
 Modified: 8/28/2020 5:22:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : TRIMMER0073 PS1 lib (1:10)

Number of peaks found: 7 Corr. Area 1: 1,725.6
 Noise: 0.6

Peak table for sample 3 : TRIMMER0073 PS1 lib (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	498	6.81	20.7	
3	577	278.75	732.6	
4	628	912.57	2,201.6	
5	680	390.03	868.9	
6	909	30.83	51.4	
7	1,345	62.20	70.1	
8	1,827	6.90	5.7	
9	10,380	75.00	10.9	Upper Marker

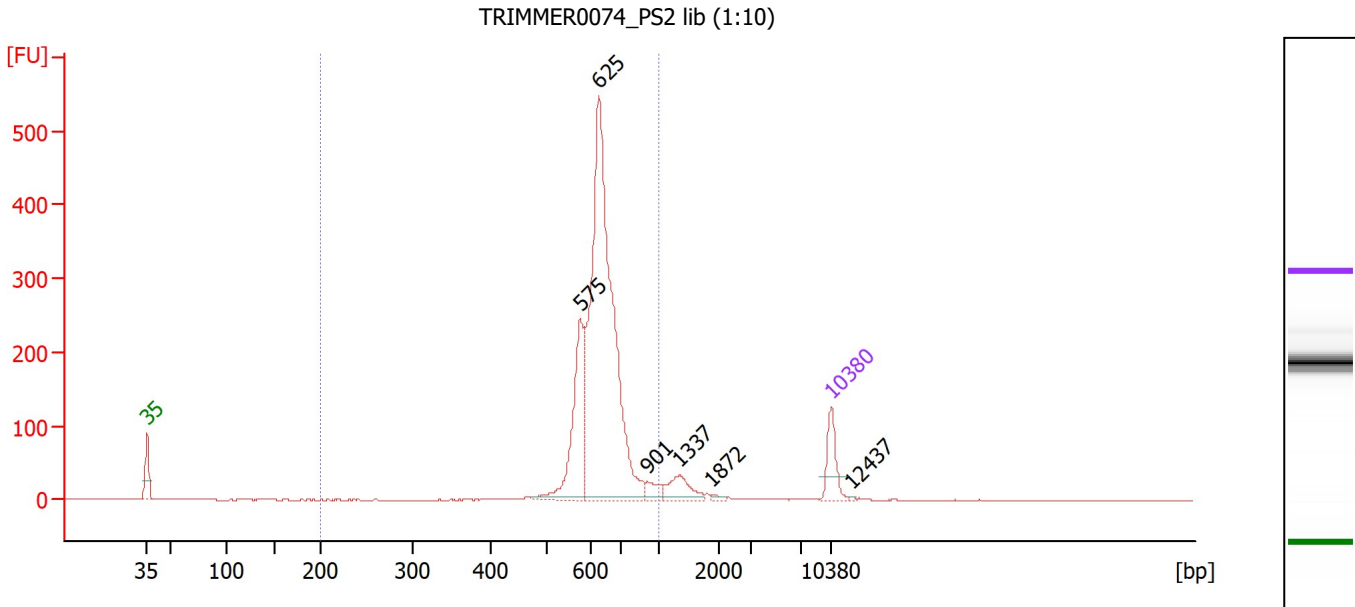
Region table for sample 3 : TRIMMER0073 PS1 lib (1:10)

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	1,725.6	93	644	11.0	1,619.09	3,850.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-28_001.xad

Created: 8/28/2020 4:41:01 PM
 Modified: 8/28/2020 5:22:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : TRIMMER0074 PS2 lib (1:10)

Number of peaks found: 6 Corr. Area 1: 1,945.3
 Noise: 0.4

Peak table for sample 4 : TRIMMER0074 PS2 lib (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	575	314.70	828.9	
3	625	1,275.01	3,089.1	
4	901	33.87	56.9	
5	1,337	65.29	74.0	
6	1,872	6.40	5.2	
7	10,380	75.00	10.9	Upper Marker
8	12,437	0.00	0.0	

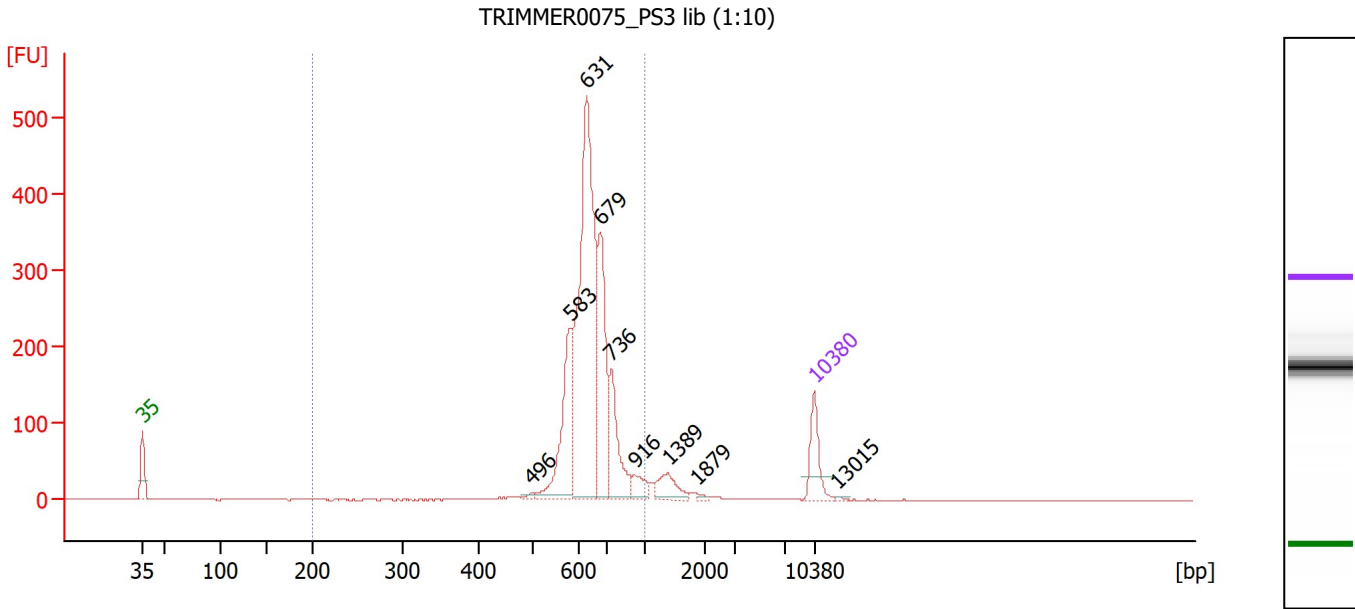
Region table for sample 4 : TRIMMER0074 PS2 lib (1:10)

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	1,945.3	92	637	11.4	1,649.23	3,968.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-28_001.xad

Created: 8/28/2020 4:41:01 PM
 Modified: 8/28/2020 5:22:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : TRIMMER0075 PS3 lib (1:10)

Number of peaks found: 9 Corr. Area 1: 2,025.7
 Noise: 0.3

Peak table for sample 5 : TRIMMER0075 PS3 lib (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	496	7.81	23.9	
3	583	249.26	648.2	
4	631	806.48	1,937.6	
5	679	283.95	633.6	
6	736	153.28	315.3	
7	916	37.79	62.5	
8	1,389	54.35	59.3	
9	1,879	4.81	3.9	
10	10,380	75.00	10.9	Upper Marker
11	13,015	0.00	0.0	

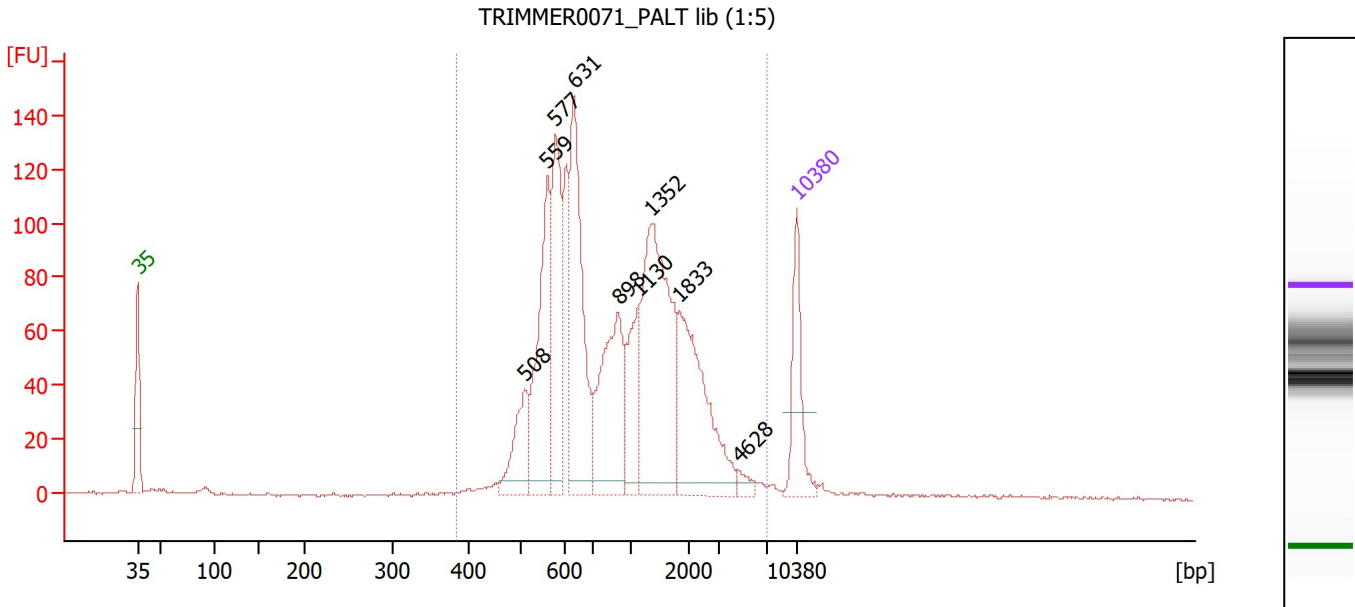
Region table for sample 5 : TRIMMER0075 PS3 lib (1:10)

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	2,025.7	93	650	11.9	1,546.94	3,653.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-28_001.xad

Created: 8/28/2020 4:41:01 PM
 Modified: 8/28/2020 5:22:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : TRIMMER0071_PALT lib (1:5)

Number of peaks found: 9 Corr. Area 1: 1,701.6
 Noise: 0.4

Peak table for sample 6 : TRIMMER0071_PALT lib (1:5)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	508	84.70	252.6	
3	559	203.00	550.1	
4	577	162.77	427.1	
5	631	252.36	605.9	
6	898	175.64	296.3	
7	1,130	89.13	119.5	
8	1,352	287.40	322.1	
9	1,833	190.23	157.3	
10	4,628	9.98	3.3	
11	10,380	75.00	10.9	Upper Marker

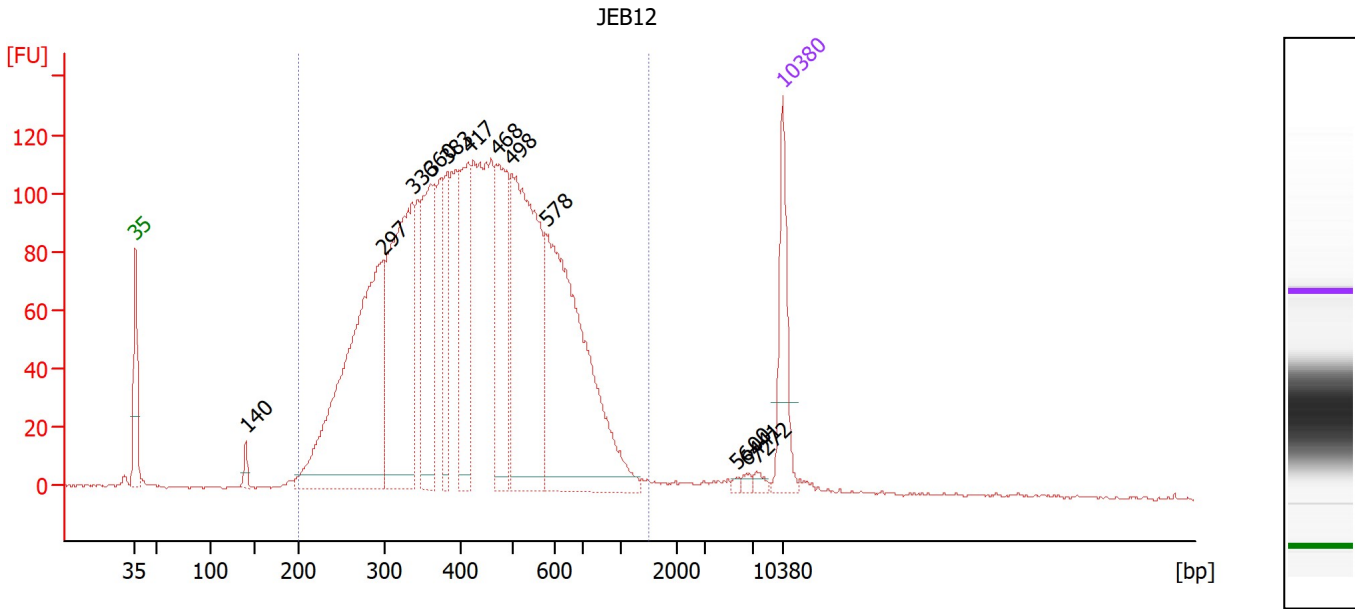
Region table for sample 6 : TRIMMER0071_PALT lib (1:5)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
385	6,887	1,701.6	98	1,161	72.9	1,573.05	3,004.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-28_001.xad

Created: 8/28/2020 4:41:01 PM
 Modified: 8/28/2020 5:22:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : JEB12

Number of peaks found: 12 Corr. Area 1: 3,254.0
 Noise: 0.5

Peak table for sample 7 : JEB12

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	140	15.65	169.9	
3	297	542.31	2,769.2	
4	336	382.98	1,728.8	
5	360	204.41	860.3	
6	383	94.88	375.4	
7	417	157.47	572.8	
8	468	191.74	620.2	
9	498	391.73	1,191.9	
10	578	418.93	1,098.0	
11	5,600	2.87	0.8	
12	6,441	4.83	1.1	
13	7,272	6.11	1.3	
14	10,380	75.00	10.9	Upper Marker

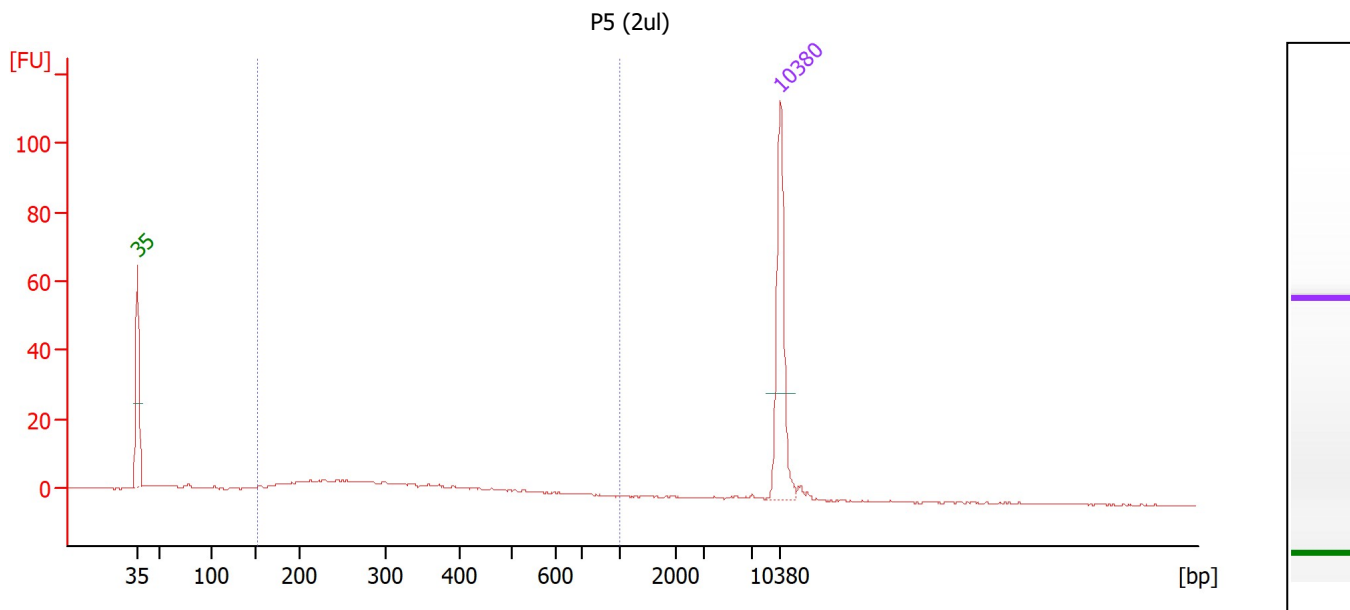
Region table for sample 7 : JEB12

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,528	3,254.0	97	449	35.1	3,033.19	11,867.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-28_001.xad

Created: 8/28/2020 4:41:01 PM
 Modified: 8/28/2020 5:22:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : P5 (2ul)

Number of peaks found: 0 Corr. Area 1: 93.2
 Noise: 0.2

Peak table for sample 8 : P5 (2ul)

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

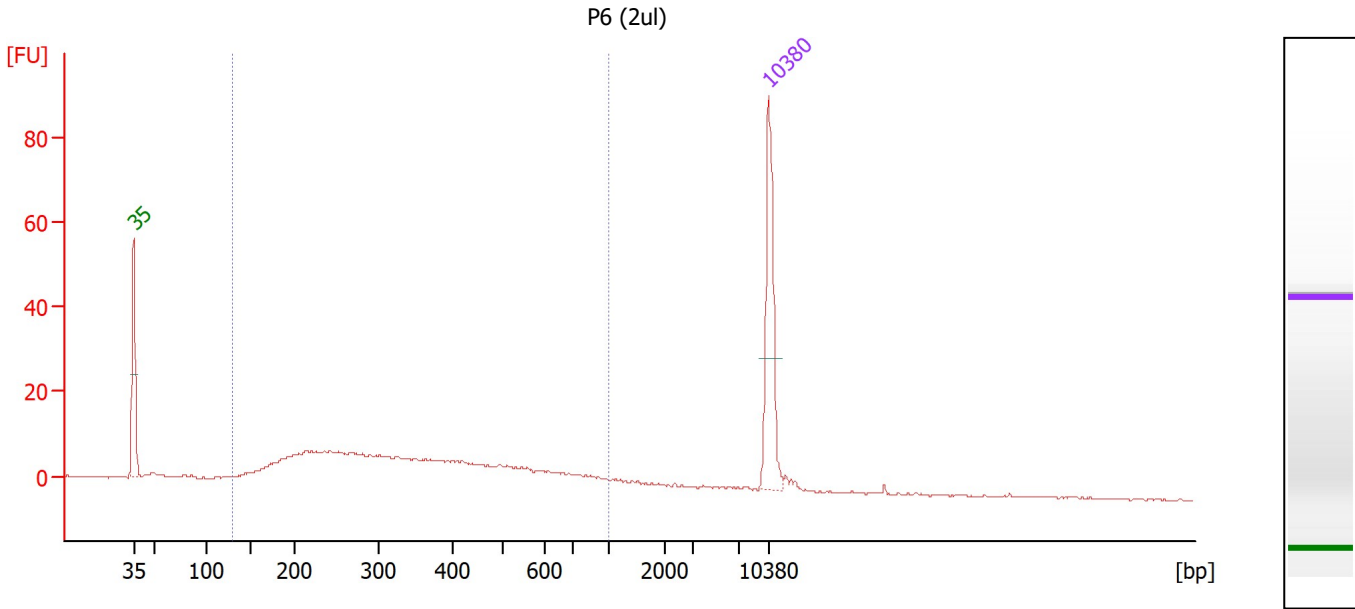
Region table for sample 8 : P5 (2ul)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
151	1,000	93.2	83	326	39.1	117.07	651.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-28_001.xad

Created: 8/28/2020 4:41:01 PM
 Modified: 8/28/2020 5:22:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : P6 (2ul)

Number of peaks found: 0 Corr. Area 1: 265.6
 Noise: 0.2

Peak table for sample 9 : P6 (2ul)

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

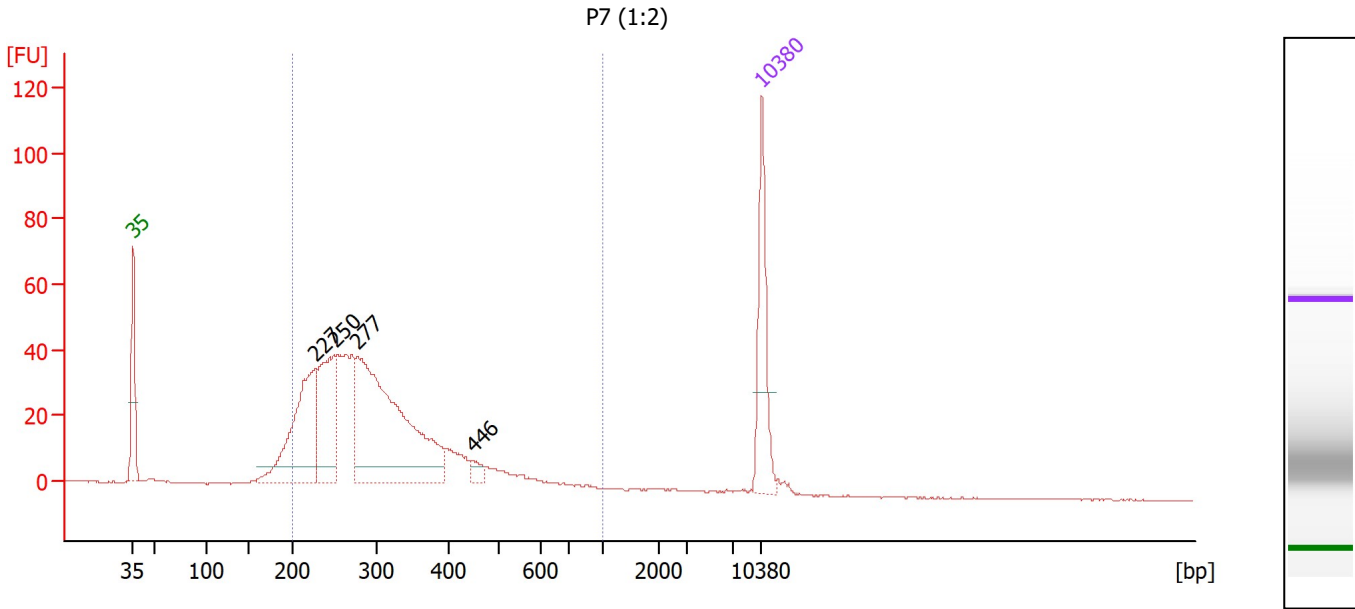
Region table for sample 9 : P6 (2ul)

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
130	1,000	265.6	88	372	45.8	411.19	2,180.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-28_001.xad

Created: 8/28/2020 4:41:01 PM
 Modified: 8/28/2020 5:22:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : P7 (1:2)

Number of peaks found: 4 Corr. Area 1: 788.7
 Noise: 0.2

Peak table for sample 10 : P7 (1:2)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	227	201.35	1,345.2	
3	250	143.97	873.4	
4	277	389.58	2,129.5	
5	446	11.84	40.2	
6	10,380	75.00	10.9	Upper Marker

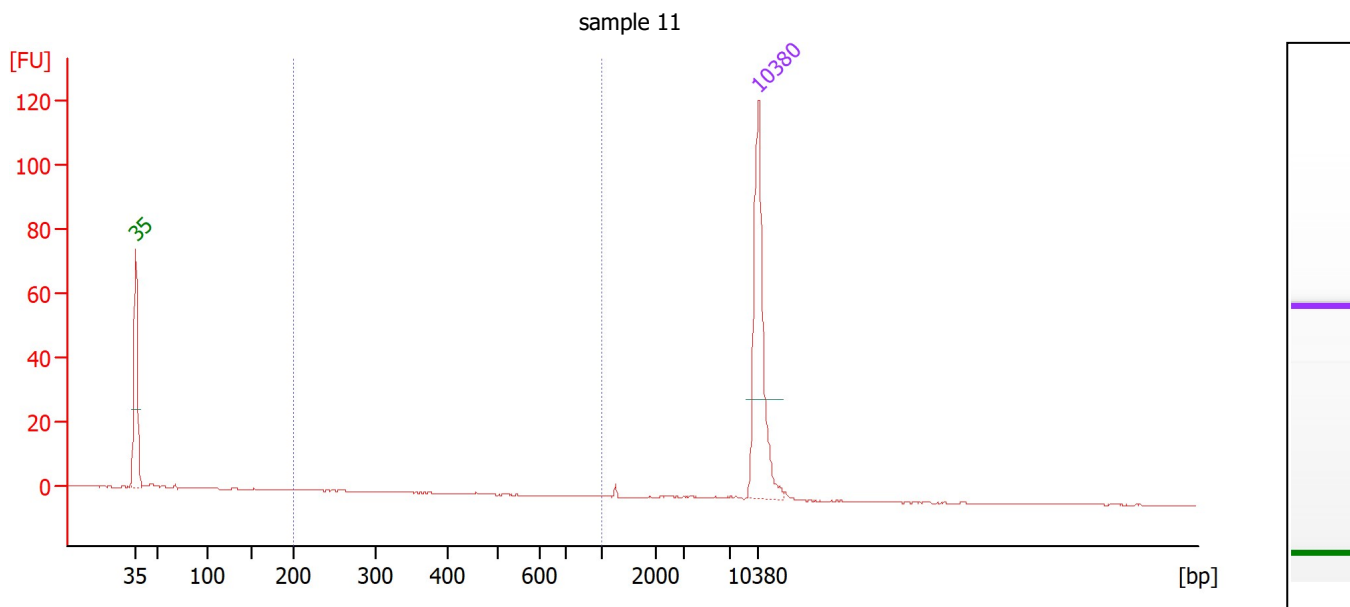
Region table for sample 10 : P7 (1:2)

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	788.7	92	312	32.1	931.25	4,956.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-28_001.xad

Created: 8/28/2020 4:41:01 PM
 Modified: 8/28/2020 5:22:45 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

Number of peaks found: 0 Corr. Area 1: 0.7
 Noise: 0.1

Peak table for sample 11 : sample 11

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

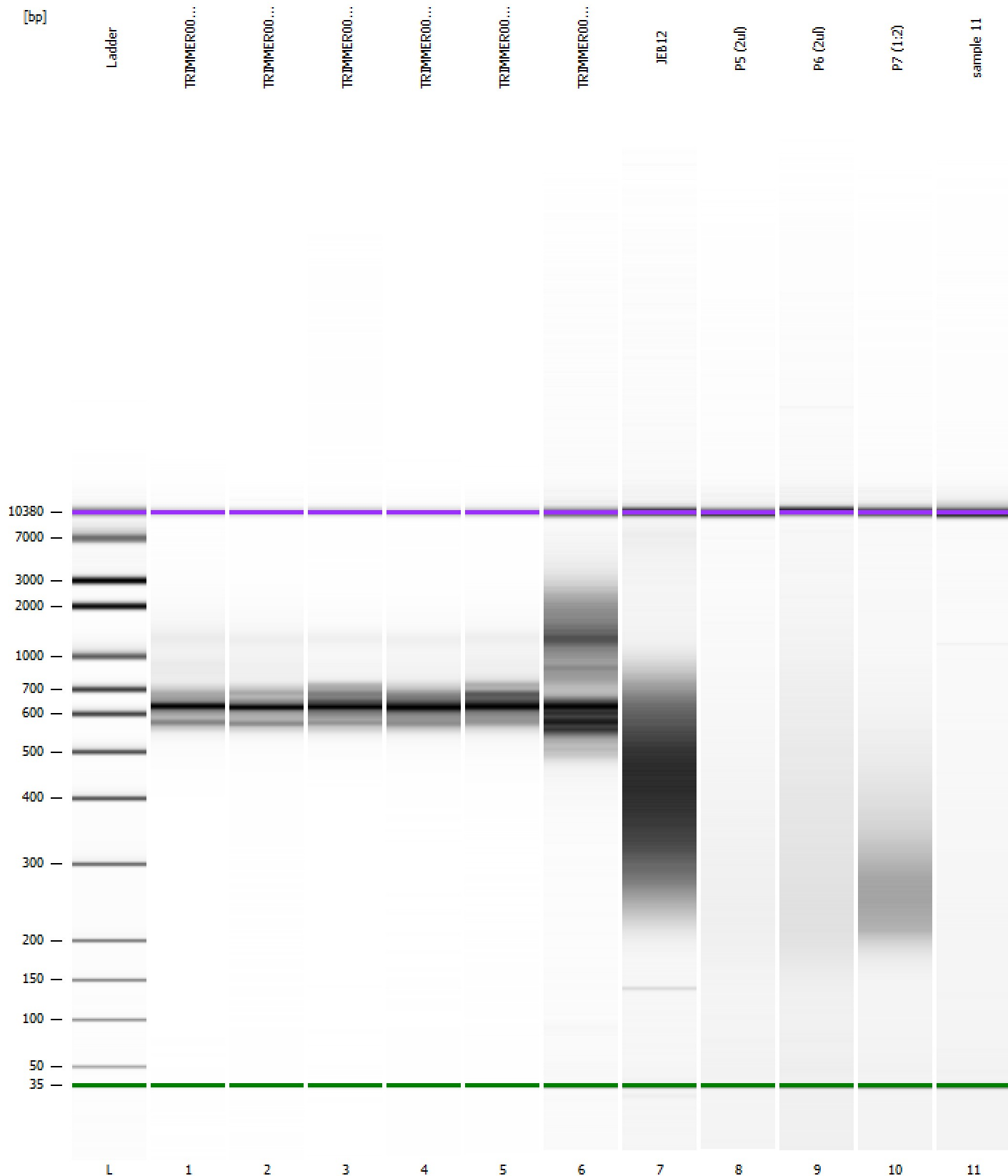
Region table for sample 11 : sample 11

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	7	296	55.9	0.69	4.1	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-28_001.xad

Created: 8/28/2020 4:41:01 PM
Modified: 8/28/2020 5:22:45 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: Z:\...\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-28_001.xad

Created: 8/28/2020 4:41:01 PM
 Modified: 8/28/2020 5:22:45 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		8/28/2020 5:22:20 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2020-08-28\Bioanalyzer1_High Sensitivity DNA Assay_2020-08-28_001.xad)		Instrument	Run		8/28/2020 4:41:07 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		8/28/2020 4:41:07 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		8/28/2020 4:41:07 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		8/28/2020 4:41:07 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		8/28/2020 4:41:07 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		8/28/2020 4:41:07 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		8/28/2020 4:41:07 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB