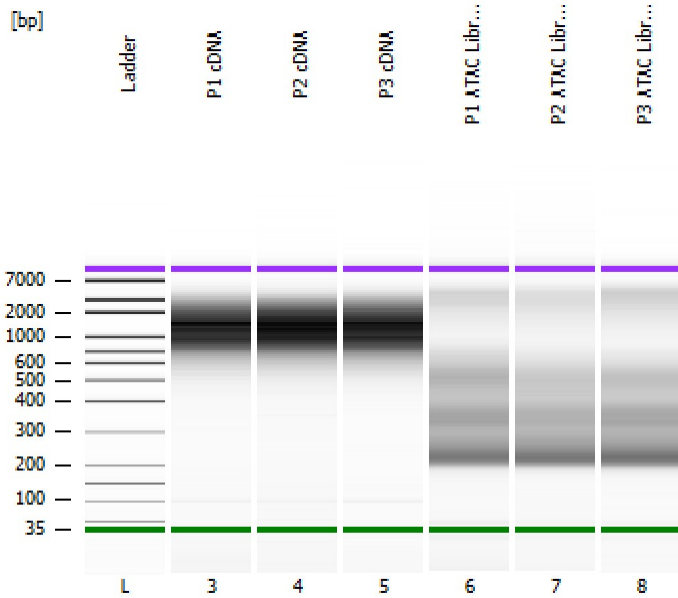


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...00 expert\data\2023-09-26\10XSC0296 cDNA & ATAC Library.xad

Created: 9/26/2023 11:28:11 AM
Modified: 9/26/2023 1:51:43 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 #:

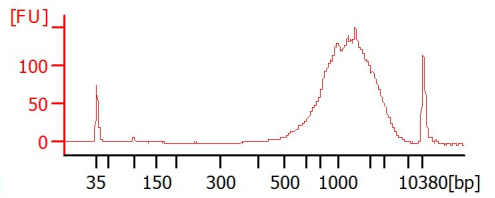
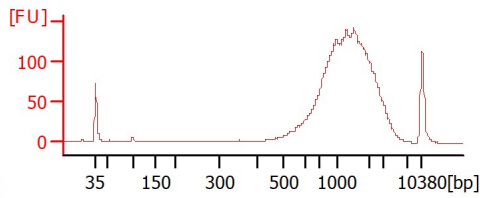
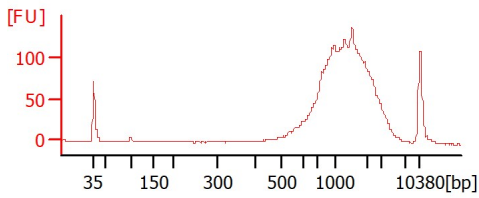
Reagent Kit Lot #:

Chip Comments:

P1 cDNA

P2 cDNA

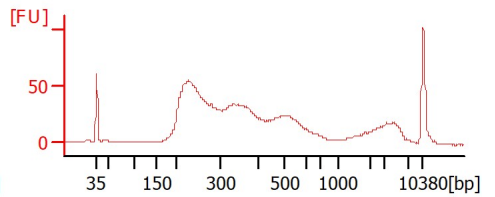
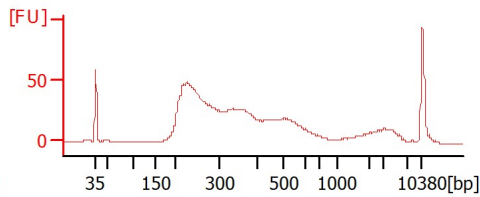
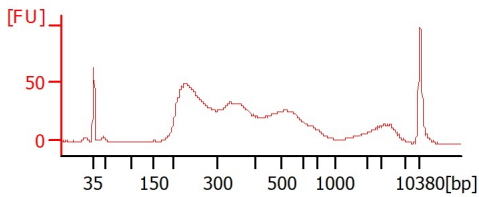
P3 cDNA



P1 ATAC Library

P2 ATAC Library

P3 ATAC Library



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...00 expert\data\2023-09-26\10XSC0296 cDNA & ATAC Library.xad

Created: 9/26/2023 11:28:11 AM
 Modified: 9/26/2023 1:51:43 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
P1 cDNA		<input type="checkbox"/>	✓			
P2 cDNA		<input type="checkbox"/>	✓			
P3 cDNA		<input type="checkbox"/>	✓			
P1 ATAC Library		<input type="checkbox"/>	✓			
P2 ATAC Library		<input type="checkbox"/>	✓			
P3 ATAC Library		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...00 expert\data\2023-09-26\10XSC0296 cDNA & ATAC Library.xad

Created: 9/26/2023 11:28:11 AM
 Modified: 9/26/2023 1:51:43 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

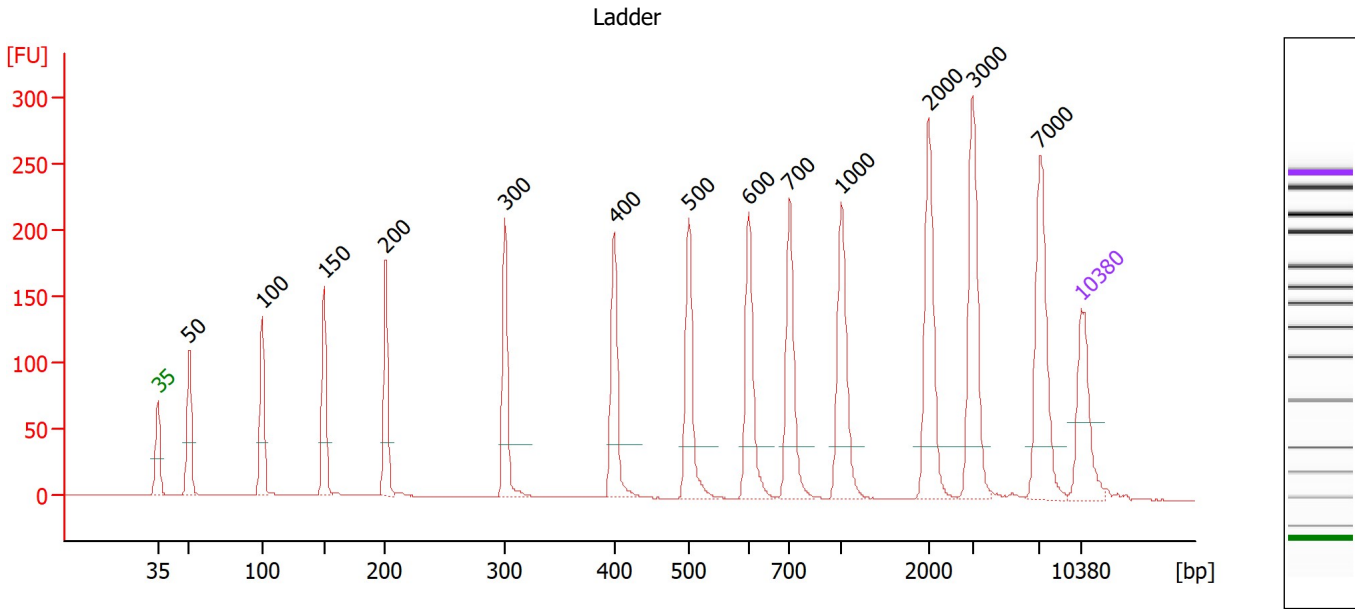
Ladder

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:\...00 expert\data\2023-09-26\10XSC0296 cDNA & ATAC Library.xad

Created: 9/26/2023 11:28:11 AM
 Modified: 9/26/2023 1:51:43 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

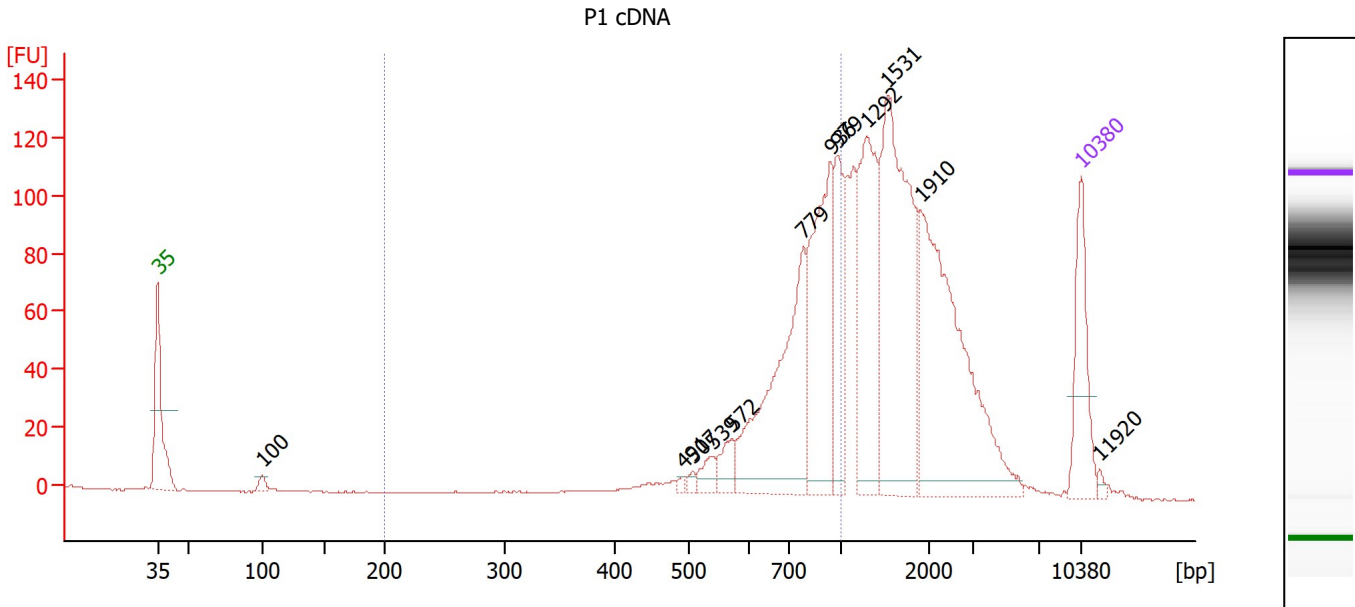
Peak table for Ladder

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:\...00 expert\data\2023-09-26\10XSC0296 cDNA & ATAC Library.xad

Created: 9/26/2023 11:28:11 AM
 Modified: 9/26/2023 1:51:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : P1 cDNA

Number of peaks found: 12 Corr. Area 1: 598.1
 Noise: 0.2

Peak table for sample 3 : P1 cDNA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	100	9.25	139.8	
3	491	3.89	12.0	
4	507	5.89	17.6	
5	539	18.07	50.8	
6	572	24.50	64.9	
7	779	235.54	458.0	
8	936	193.59	313.3	
9	979	86.69	134.1	
10	1,292	173.32	203.3	
11	1,531	277.20	274.3	
12	1,910	284.12	225.4	
13	10,380	75.00	10.9	Upper Marker
14	11,920	0.00	0.0	

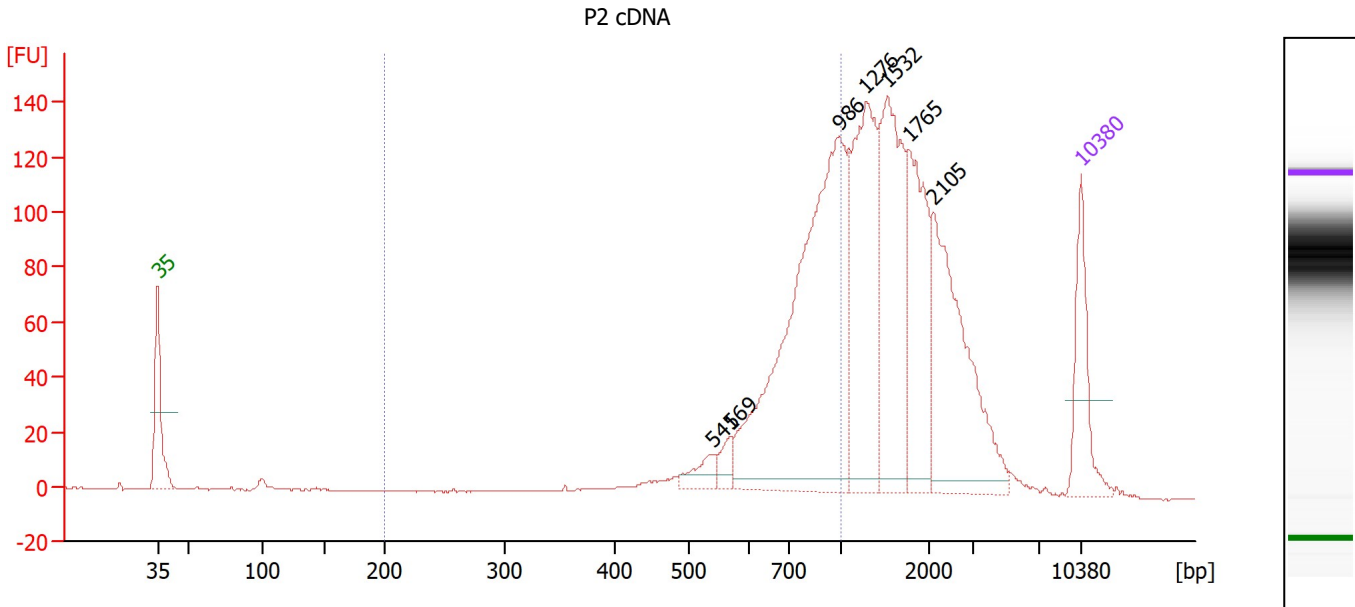
Region table for sample 3 : P1 cDNA

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	598.1	36	775	18.6	569.13	1,164.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...00 expert\data\2023-09-26\10XSC0296 cDNA & ATAC Library.xad

Created: 9/26/2023 11:28:11 AM
 Modified: 9/26/2023 1:51:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : P2 cDNA

Number of peaks found: 7 Corr. Area 1: 690.4
 Noise: 0.2

Peak table for sample 4 : P2 cDNA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	541	26.54	74.4	
3	569	20.44	54.4	
4	986	550.63	846.2	
5	1,276	237.61	282.3	
6	1,532	216.88	214.5	
7	1,765	159.05	136.5	
8	2,105	216.46	155.8	
9	10,380	75.00	10.9	Upper Marker

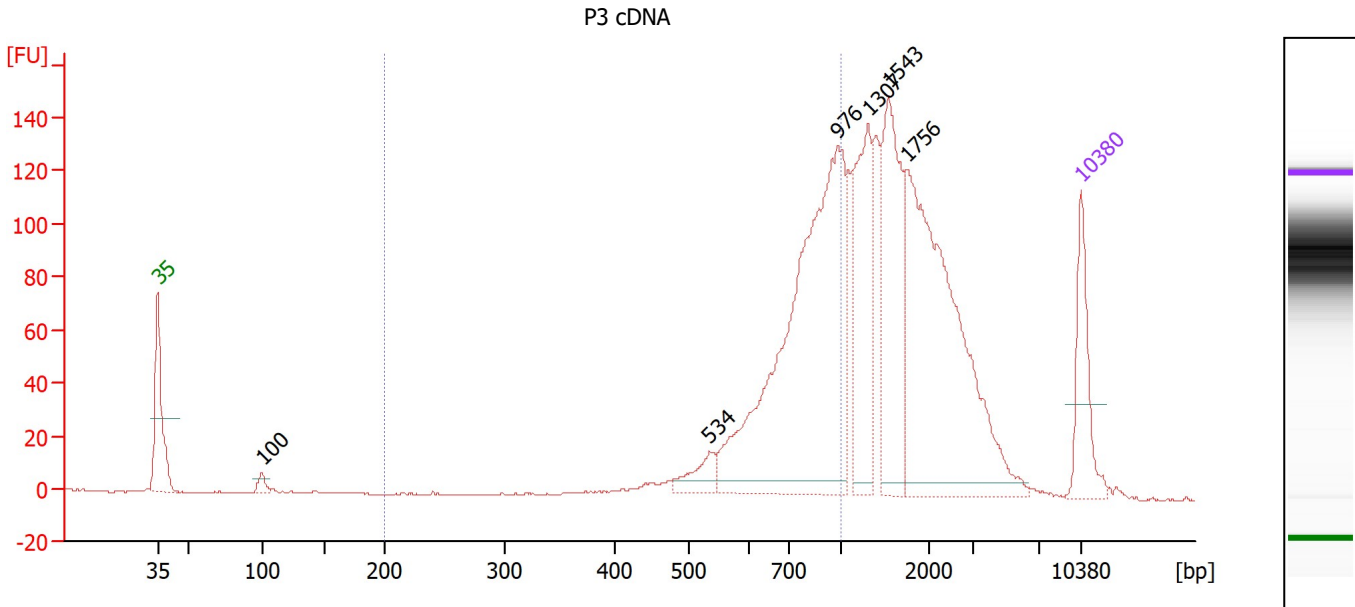
Region table for sample 4 : P2 cDNA

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	690.4	36	766	20.1	624.96	1,314.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...00 expert\data\2023-09-26\10XSC0296 cDNA & ATAC Library.xad

Created: 9/26/2023 11:28:11 AM
 Modified: 9/26/2023 1:51:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : P3 cDNA

Number of peaks found: 6 Corr. Area 1: 693.9
 Noise: 0.2

Peak table for sample 5 : P3 cDNA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	100	13.60	206.6	
3	534	35.90	101.8	
4	976	590.53	916.7	
5	1,307	165.46	191.8	
6	1,543	197.71	194.1	
7	1,756	425.52	367.1	
8	10,380	75.00	10.9	Upper Marker

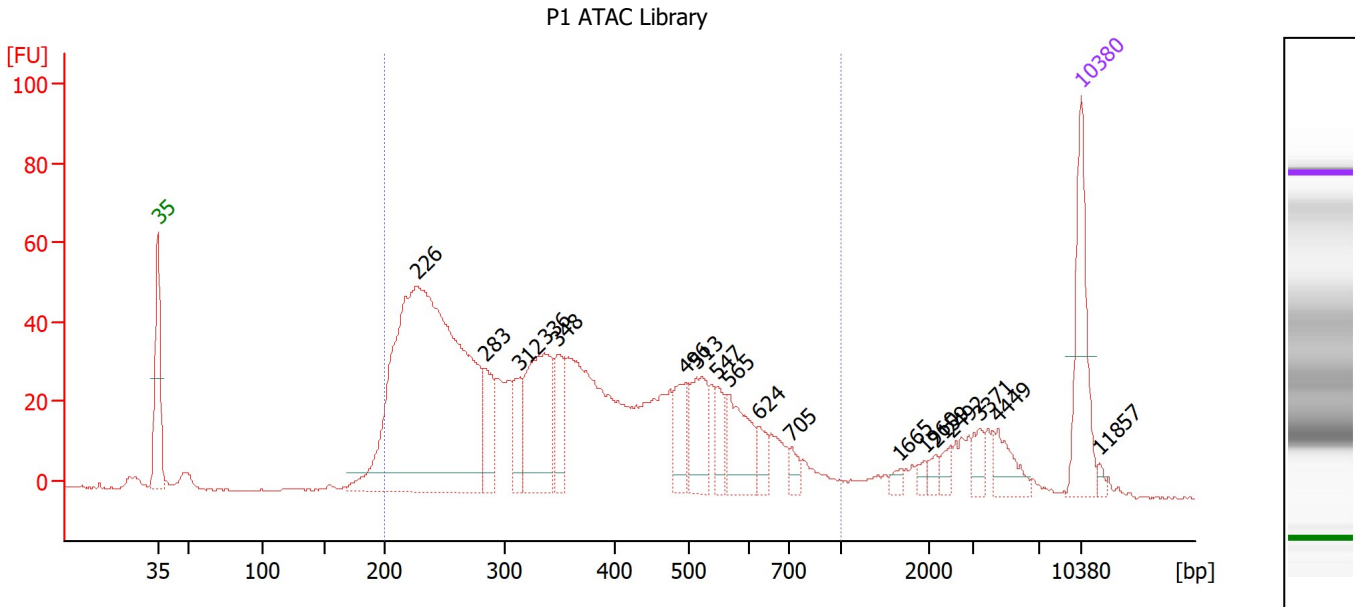
Region table for sample 5 : P3 cDNA

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	693.9	37	767	19.3	646.41	1,344.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...00 expert\data\2023-09-26\10XSC0296 cDNA & ATAC Library.xad

Created: 9/26/2023 11:28:11 AM
 Modified: 9/26/2023 1:51:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : P1 ATAC Library

Number of peaks found: 18 Corr. Area 1: 1,209.2
 Noise: 0.2

Peak table for sample 6 : P1 ATAC Library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	226	777.15	5,206.8	
3	283	55.93	299.1	
4	312	38.12	184.9	
5	336	141.27	637.0	
6	348	48.45	210.8	
7	496	42.63	130.3	
8	513	63.10	186.3	
9	547	26.69	74.0	
10	565	64.65	173.3	
11	624	18.52	45.0	
12	705	12.67	27.2	
13	1,665	5.46	5.0	
14	1,960	5.50	4.3	
15	2,159	8.14	5.7	
16	2,492	8.99	5.5	
17	3,371	14.01	6.3	
18	4,449	25.54	8.7	
19	10,380	75.00	10.9	Upper Marker
20	11,857	0.00	0.0	

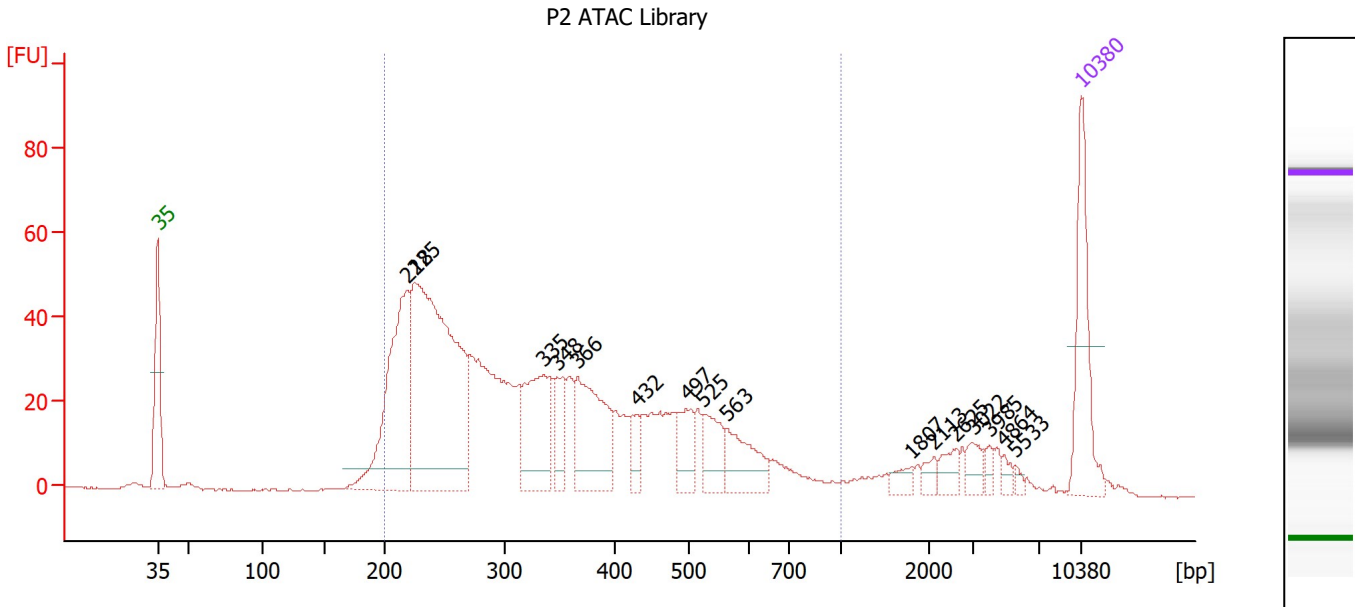
Region table for sample 6 : P1 ATAC Library

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	1,209.2	89	375	38.1	1,654.37	7,986.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...00 expert\data\2023-09-26\10XSC0296 cDNA & ATAC Library.xad

Created: 9/26/2023 11:28:11 AM
 Modified: 9/26/2023 1:51:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : P2 ATAC Library

Number of peaks found: 16 Corr. Area 1: 1,037.4
 Noise: 0.2

Peak table for sample 7 : P2 ATAC Library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	218	225.56	1,571.1	
3	225	438.45	2,957.9	
4	335	110.76	500.4	
5	348	38.99	169.9	
6	366	116.58	482.2	
7	432	24.41	85.7	
8	497	35.53	108.4	
9	525	41.01	118.4	
10	563	52.23	140.5	
11	1,807	10.02	8.4	
12	2,113	9.17	6.6	
13	2,625	14.03	8.1	
14	3,022	13.25	6.6	
15	3,985	6.91	2.6	
16	4,864	6.45	2.0	
17	5,533	3.94	1.1	
18	10,380	75.00	10.9	Upper Marker

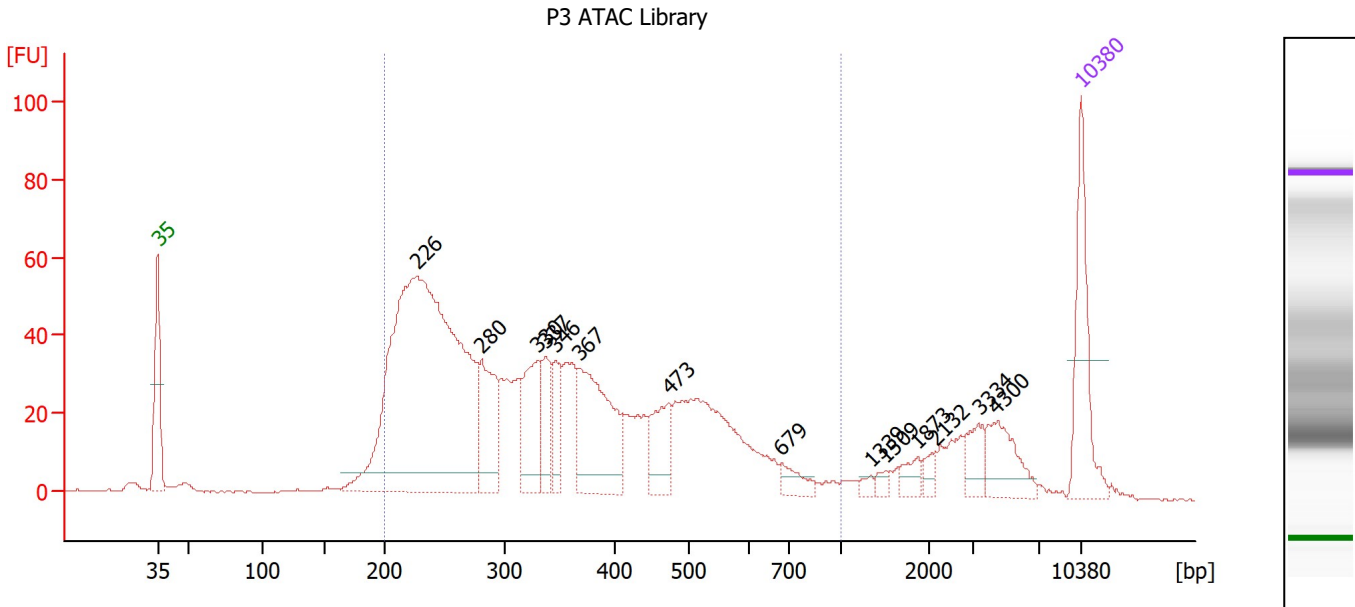
Region table for sample 7 : P2 ATAC Library

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	1,037.4	88	355	37.7	1,472.23	7,383.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...00 expert\data\2023-09-26\10XSC0296 cDNA & ATAC Library.xad

Created: 9/26/2023 11:28:11 AM
 Modified: 9/26/2023 1:51:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : P3 ATAC Library

Number of peaks found: 14 Corr. Area 1: 1,223.0
 Noise: 0.2

Peak table for sample 8 : P3 ATAC Library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	226	785.53	5,266.1	
3	280	97.46	526.6	
4	330	80.21	368.7	
5	337	48.26	216.7	
6	346	40.01	175.0	
7	367	149.55	617.2	
8	473	55.63	178.3	
9	679	18.61	41.5	
10	1,339	5.20	5.9	
11	1,509	6.59	6.6	
12	1,873	12.82	10.4	
13	2,132	9.36	6.7	
14	3,334	22.74	10.3	
15	4,300	43.69	15.4	
16	10,380	75.00	10.9	Upper Marker

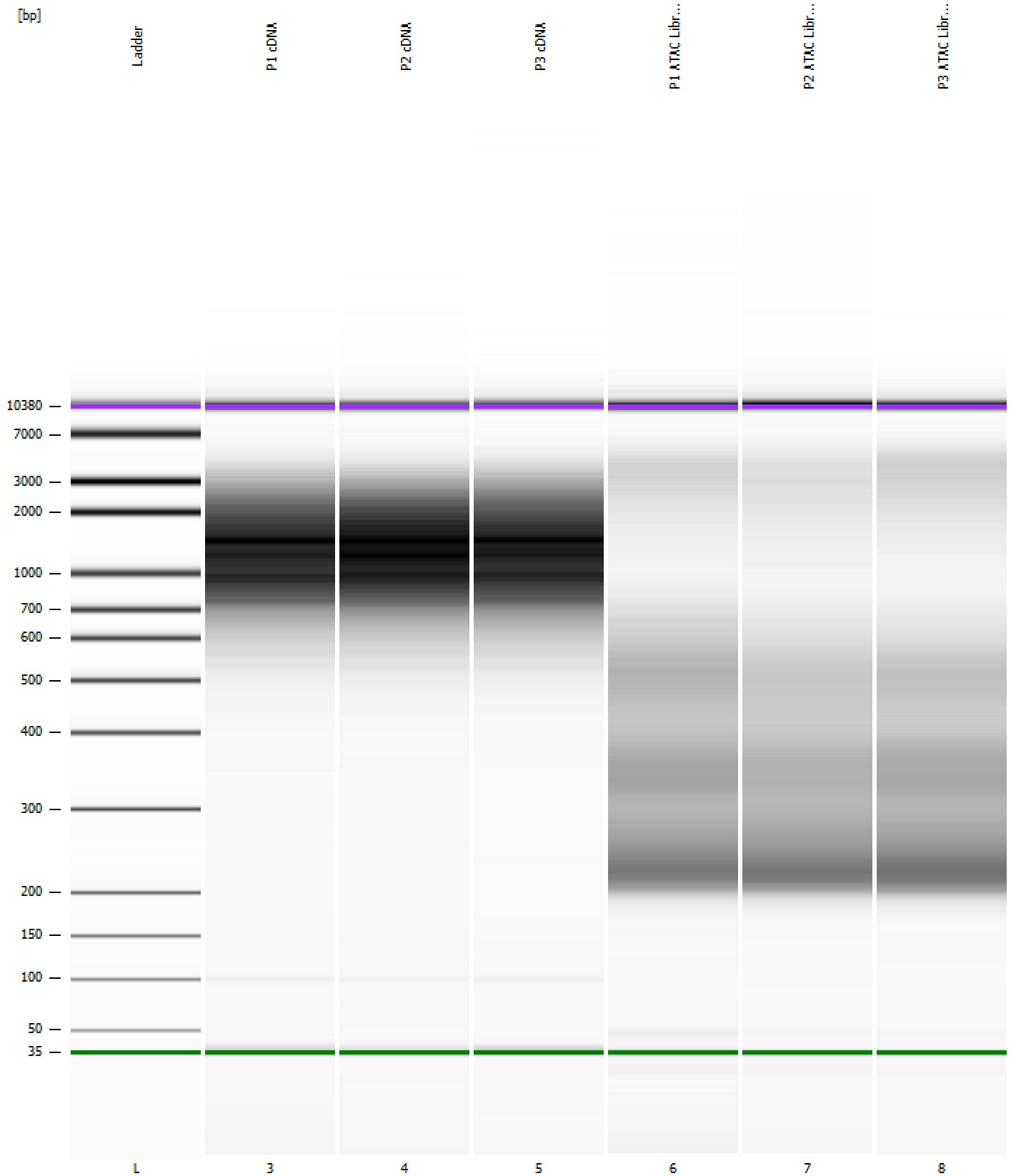
Region table for sample 8 : P3 ATAC Library

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	1,223.0	85	357	37.4	1,633.70	8,142.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...00 expert\data\2023-09-26\10XSC0296 cDNA & ATAC Library.xad

Created: 9/26/2023 11:28:11 AM
Modified: 9/26/2023 1:51:43 PM

Gel Image

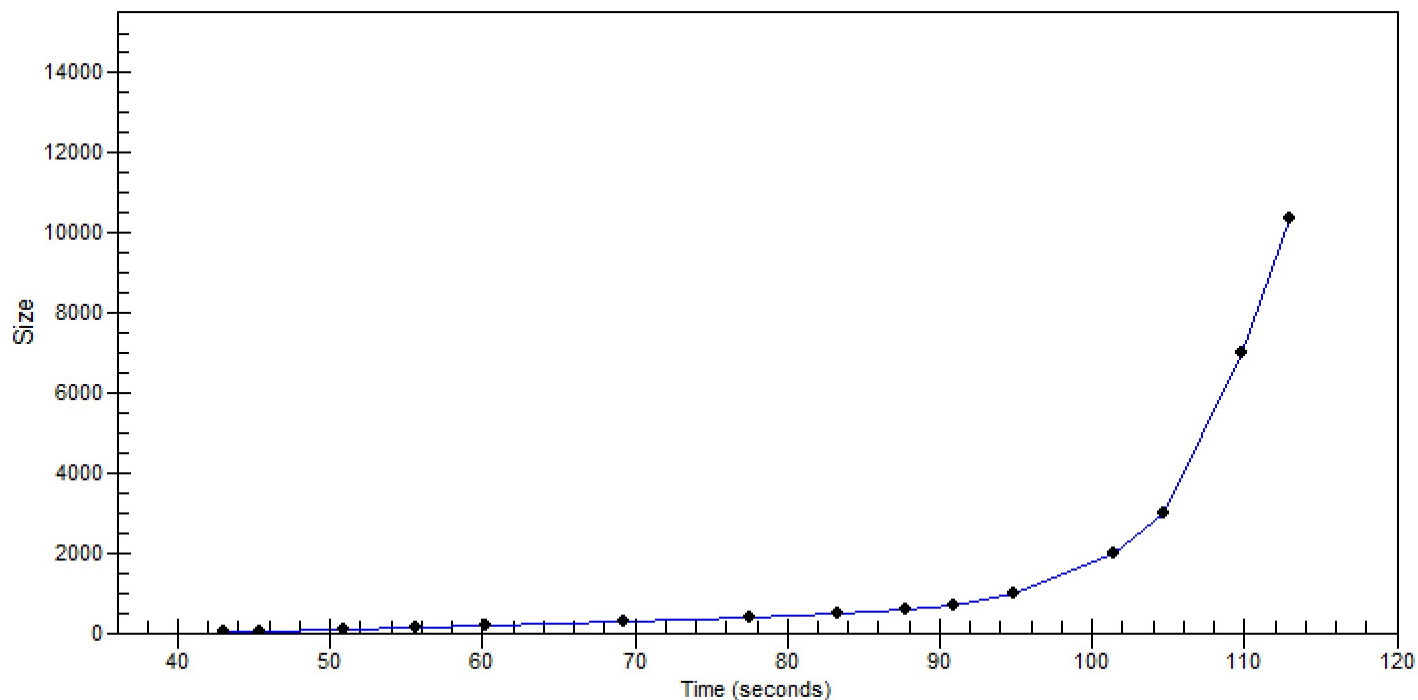


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...00 expert\data\2023-09-26\10XSC0296 cDNA & ATAC Library.xad

Created: 9/26/2023 11:28:11 AM
Modified: 9/26/2023 1:51:43 PM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay Created: 9/26/2023 11:28:11 AM
 Data Path: C:\...00 expert\data\2023-09-26\10XSC0296 cDNA & ATAC Library.xad Modified: 9/26/2023 1:51:43 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		9/26/2023 12:09:33 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\2023-09-26\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2023-09-26_001.xad)		Instrument	Run		9/26/2023 11:28:17 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		9/26/2023 11:28:17 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		9/26/2023 11:28:17 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/26/2023 11:28:17 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/26/2023 11:28:17 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/26/2023 11:28:17 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/26/2023 11:28:17 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB