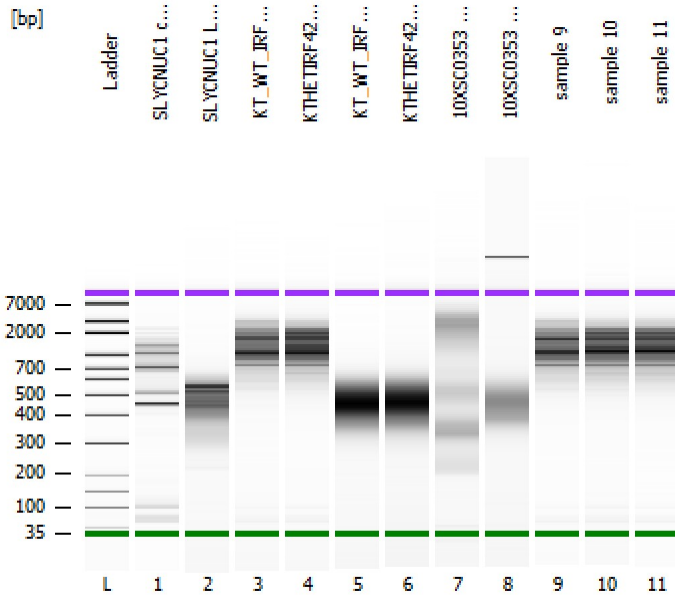


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-06-27_001.xad

Created: 6/27/2024 8:33:42 AM
 Modified: 6/27/2024 9:15:05 AM

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

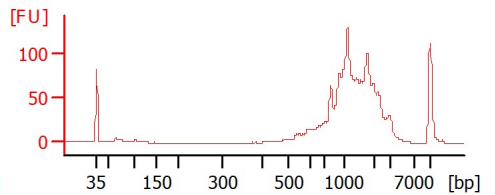
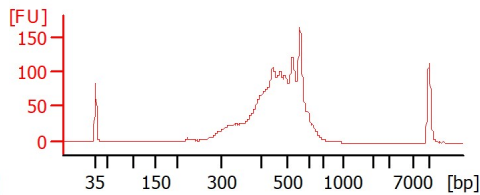
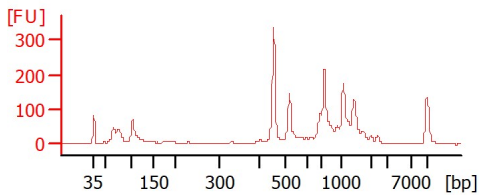
Chip Information:

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

SLYCNUC1 cDNA

SLYCNUC1 Library

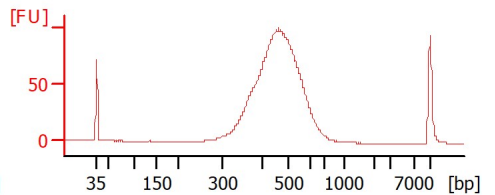
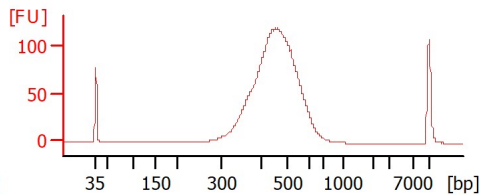
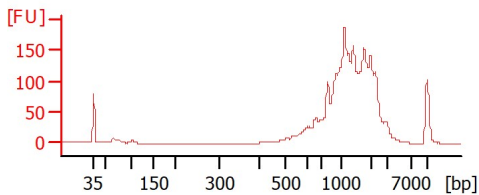
KT_WT_IRF4_2 cDNA



KTHETIRF42 cDNA

KT_WT_IRF4_2 Library

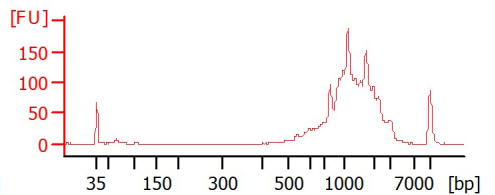
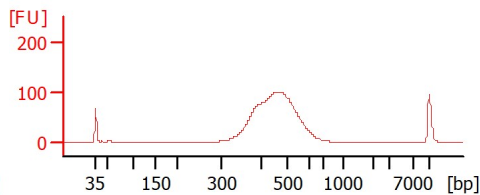
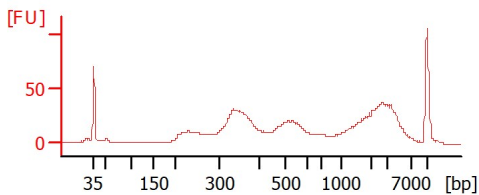
KTHETIRF42 Library



10XSC0353 ATACPOOL-1

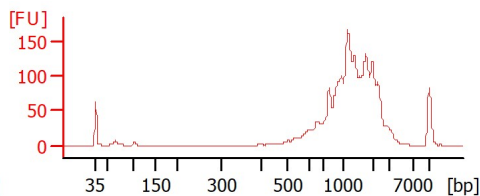
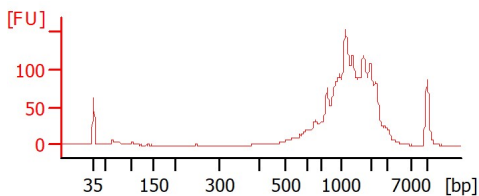
10XSC0353 GEXPool-1

sample 9



sample 10

sample 11



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-06-27_001.xad

Created: 6/27/2024 8:33:42 AM
 Modified: 6/27/2024 9:15:05 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status Observation	Result Label	Result Color
SLYCNUC1 cDNA		<input type="checkbox"/>	✓		
SLYCNUC1 Library		<input type="checkbox"/>	✓		
KT_WT_IRF4_2 cDNA		<input type="checkbox"/>	✓		
KTHETIRF42 cDNA		<input type="checkbox"/>	✓		
KT_WT_IRF4_2 Library		<input type="checkbox"/>	✓		
KTHETIRF42 Library		<input type="checkbox"/>	✓		
10XSC0353 ATACPOOL-1		<input type="checkbox"/>	✓		
10XSC0353 GEXPool-1		<input type="checkbox"/>	✓		
sample 9		<input type="checkbox"/>	✓		
sample 10		<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: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-06-27_001.xad

Created: 6/27/2024 8:33:42 AM
 Modified: 6/27/2024 9:15:05 AM

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

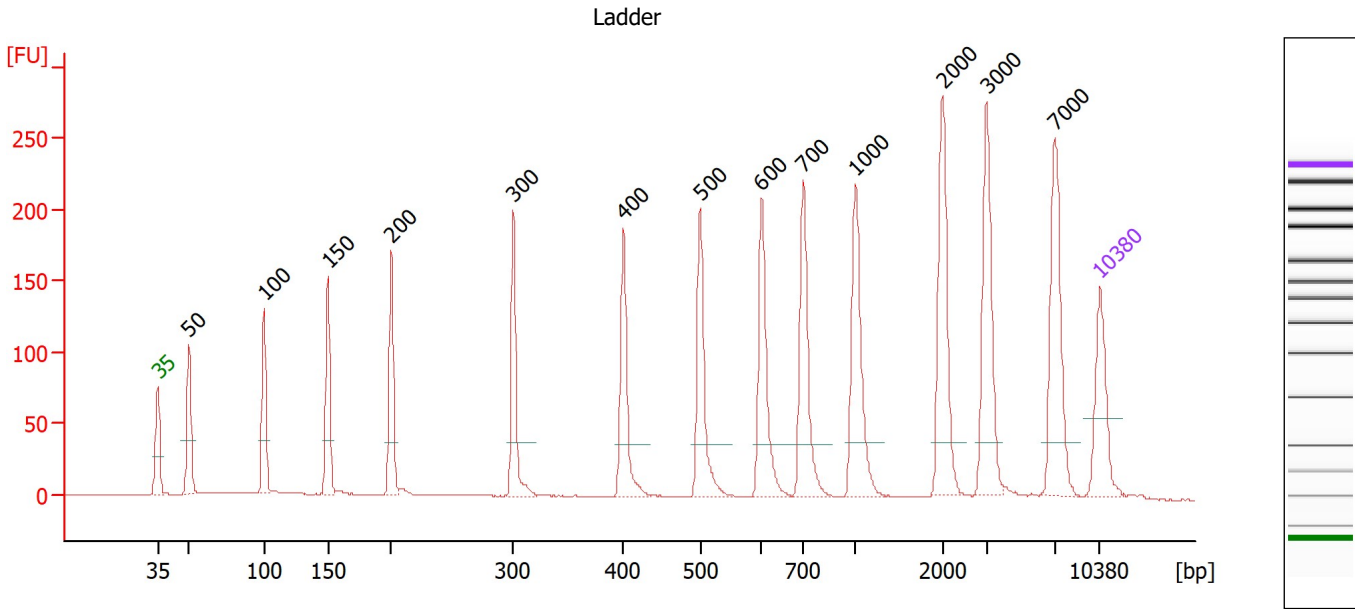
Ladder

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:\...r1_High Sensitivity DNA Assay_DE34903152_2024-06-27_001.xad

Created: 6/27/2024 8:33:42 AM
 Modified: 6/27/2024 9:15:05 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

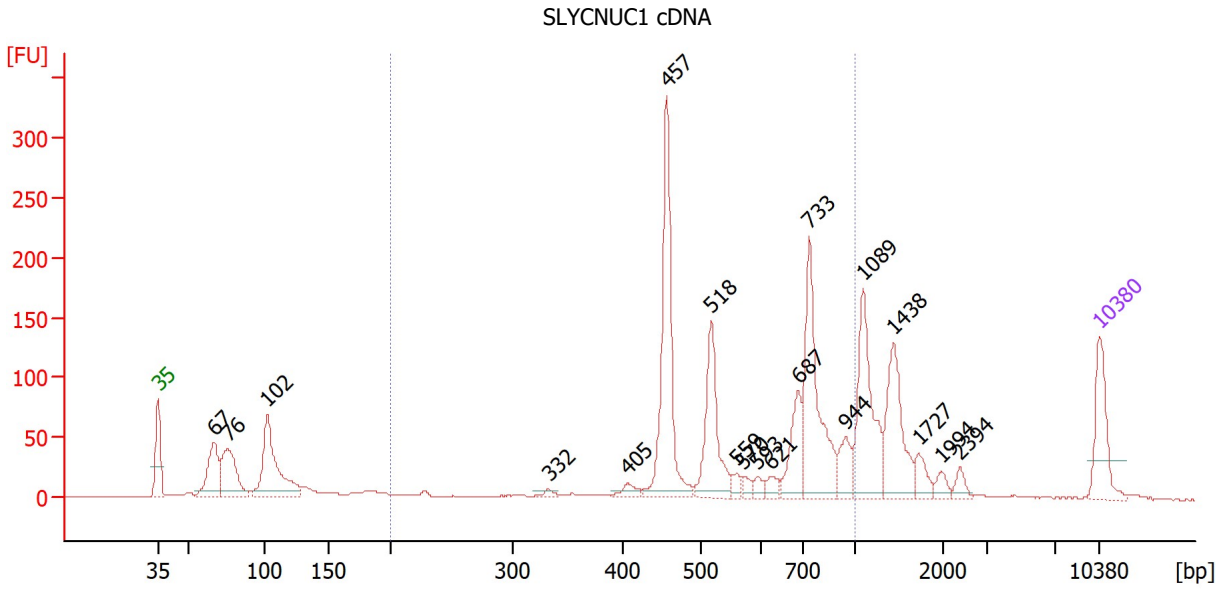
Peak table for Ladder

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:\...r1_High Sensitivity DNA Assay_DE34903152_2024-06-27_001.xad

Created: 6/27/2024 8:33:42 AM
 Modified: 6/27/2024 9:15:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : SLYCNUC1 cDNA

Number of peaks found: 19 Corr. Area 1: 1,148.3
 Noise: 0.2

Peak table for sample 1 : SLYCNUC1 cDNA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	67	120.69	2,742.0	
3	76	137.73	2,740.2	
4	102	216.95	3,212.8	
5	332	7.78	35.5	
6	405	18.13	67.9	
7	457	304.90	1,011.8	
8	518	155.24	454.0	
9	559	14.63	39.7	
10	570	11.54	30.7	
11	593	13.17	33.6	
12	621	16.34	39.9	
13	687	81.39	179.4	
14	733	228.59	472.8	
15	944	44.30	71.1	
16	1,089	168.63	234.6	
17	1,438	125.87	132.7	
18	1,727	27.18	23.8	
19	1,994	13.84	10.5	
20	2,394	14.13	8.9	
21	10,380	75.00	10.9	Upper Marker

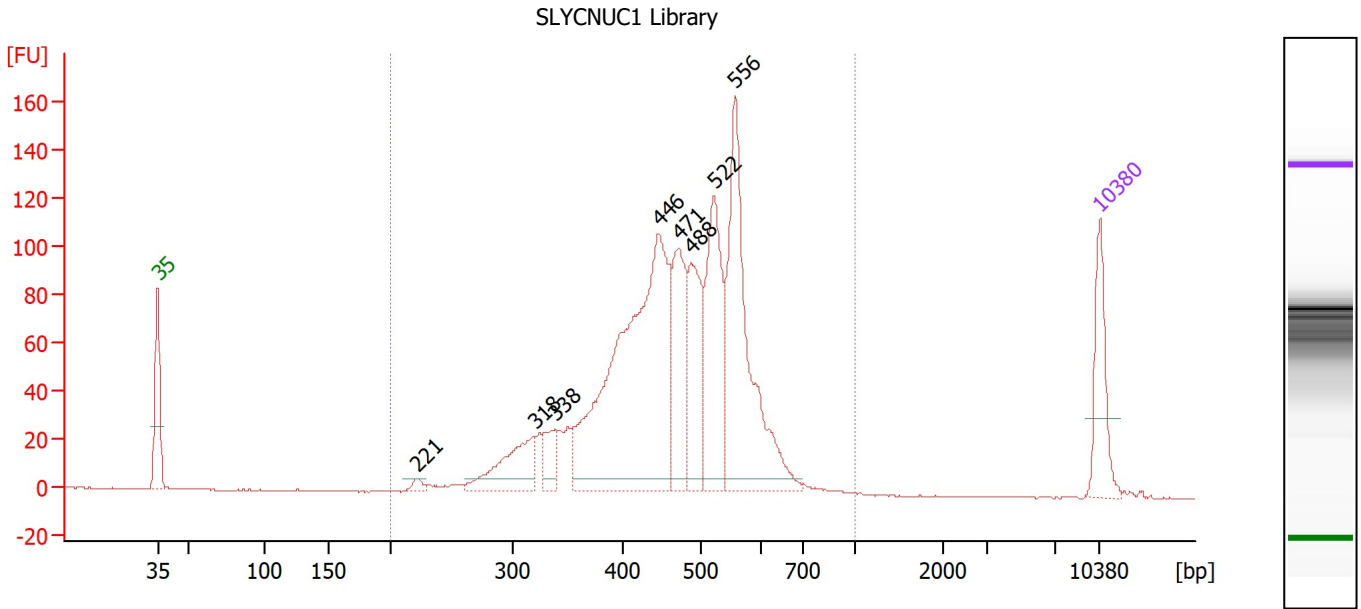
Region table for sample 1 : SLYCNUC1 cDNA

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	1,148.3	54	600	28.2	984.15	2,810.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-06-27_001.xad

Created: 6/27/2024 8:33:42 AM
 Modified: 6/27/2024 9:15:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : SLYCNUC1 Library

Number of peaks found: 8 Corr. Area 1: 1,656.3
 Noise: 0.2

Peak table for sample 2 : SLYCNUC1 Library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	221	11.37	77.9	
3	318	114.93	546.7	
4	338	44.64	200.1	
5	446	654.32	2,224.7	
6	471	163.01	524.3	
7	488	151.46	470.2	
8	522	217.79	632.0	
9	556	354.12	965.1	
10	10,380	75.00	10.9	Upper Marker

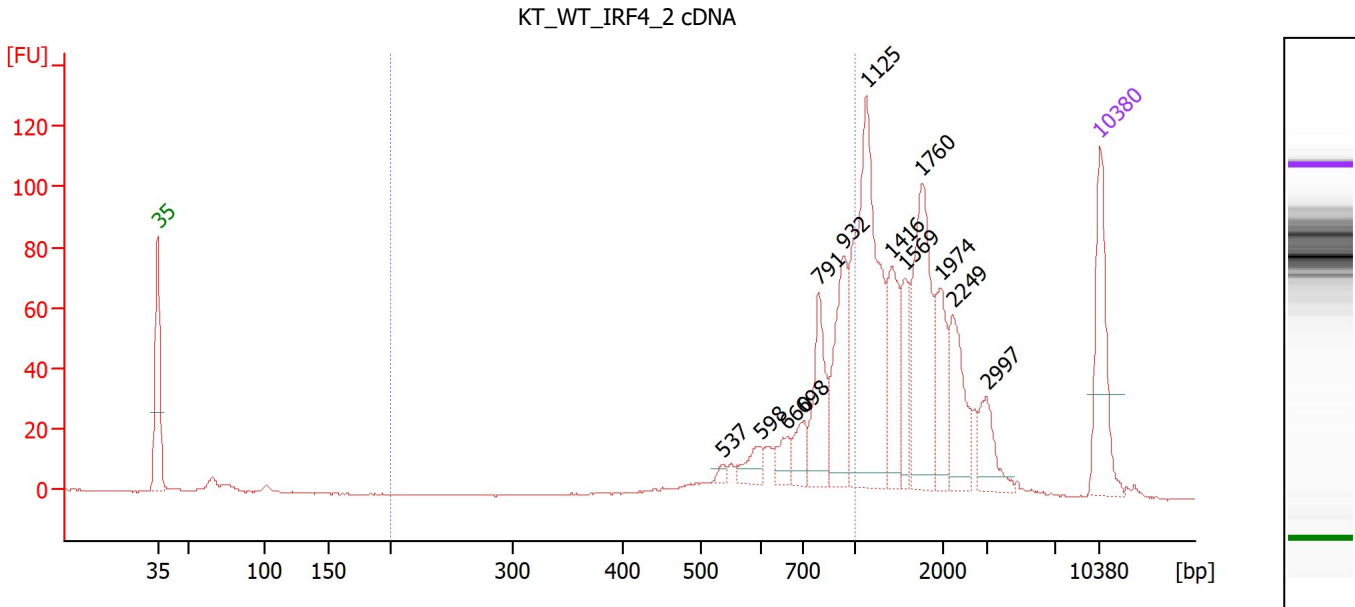
Region table for sample 2 : SLYCNUC1 Library

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	1,656.3	99	467	19.5	1,867.73	6,448.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-06-27_001.xad

Created: 6/27/2024 8:33:42 AM
 Modified: 6/27/2024 9:15:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : KT_WT_IRF4_2 cDNA

Number of peaks found: 13 Corr. Area 1: 355.2
 Noise: 0.2

Peak table for sample 3 : KT_WT_IRF4_2 cDNA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	537	5.62	15.9	
3	598	20.79	52.6	
4	660	20.62	47.4	
5	698	27.29	59.2	
6	791	72.36	138.7	
7	932	87.61	142.4	
8	1,125	240.45	323.8	
9	1,416	65.94	70.6	
10	1,569	41.61	40.2	
11	1,760	124.38	107.1	
12	1,974	55.22	42.4	
13	2,249	58.84	39.6	
14	2,997	34.16	17.3	
15	10,380	75.00	10.9	Upper Marker

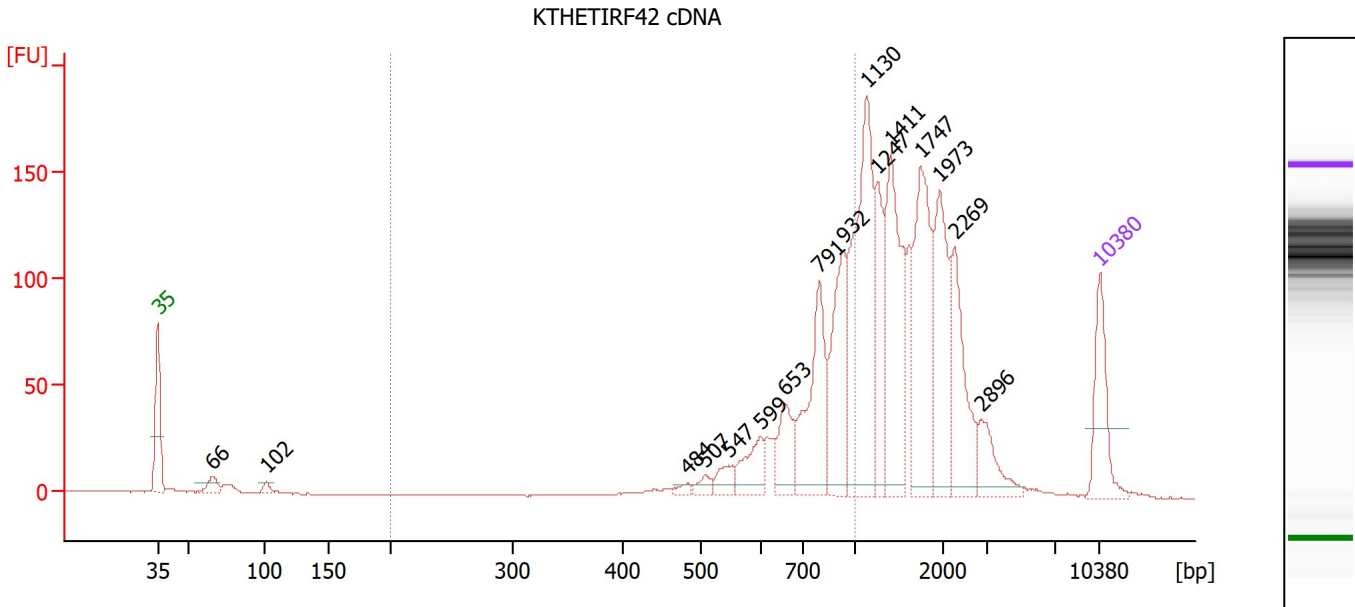
Region table for sample 3 : KT_WT_IRF4_2 cDNA

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	355.2	32	781	19.6	353.10	722.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-06-27_001.xad

Created: 6/27/2024 8:33:42 AM
 Modified: 6/27/2024 9:15:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : KTHETIRF42 cDNA

Number of peaks found: 16 Corr. Area 1: 568.9
 Noise: 0.2

Peak table for sample 4 : KTHETIRF42 cDNA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	66	24.29	557.7	
3	102	10.25	152.1	
4	484	7.71	24.2	
5	507	13.34	39.8	
6	547	23.41	64.9	
7	599	52.48	132.8	
8	653	62.48	144.9	
9	791	157.50	301.8	
10	932	143.92	234.0	
11	1,130	291.37	390.8	
12	1,247	94.20	114.5	
13	1,411	193.22	207.5	
14	1,747	184.61	160.1	
15	1,973	133.50	102.5	
16	2,269	117.03	78.1	
17	2,896	48.01	25.1	
18	10,380	75.00	10.9	Upper Marker

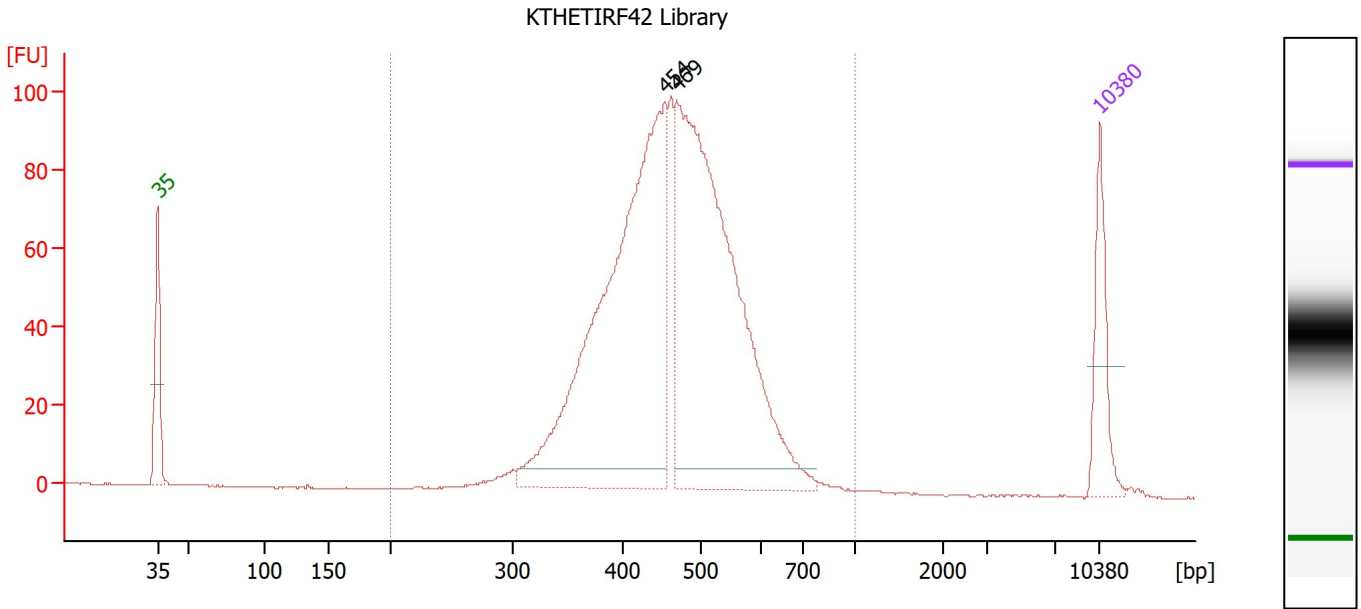
Region table for sample 4 : KTHETIRF42 cDNA

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	568.9	31	774	19.4	572.17	1,179.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-06-27_001.xad

Created: 6/27/2024 8:33:42 AM
 Modified: 6/27/2024 9:15:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : KTHETIRF42 Library

Number of peaks found: 2 Corr. Area 1: 1,320.9
 Noise: 0.2

Peak table for sample 6 : KTHETIRF42 Library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	454	829.08	2,767.0	
3	469	811.99	2,623.3	
4	10,380	75.00	10.9	Upper Marker

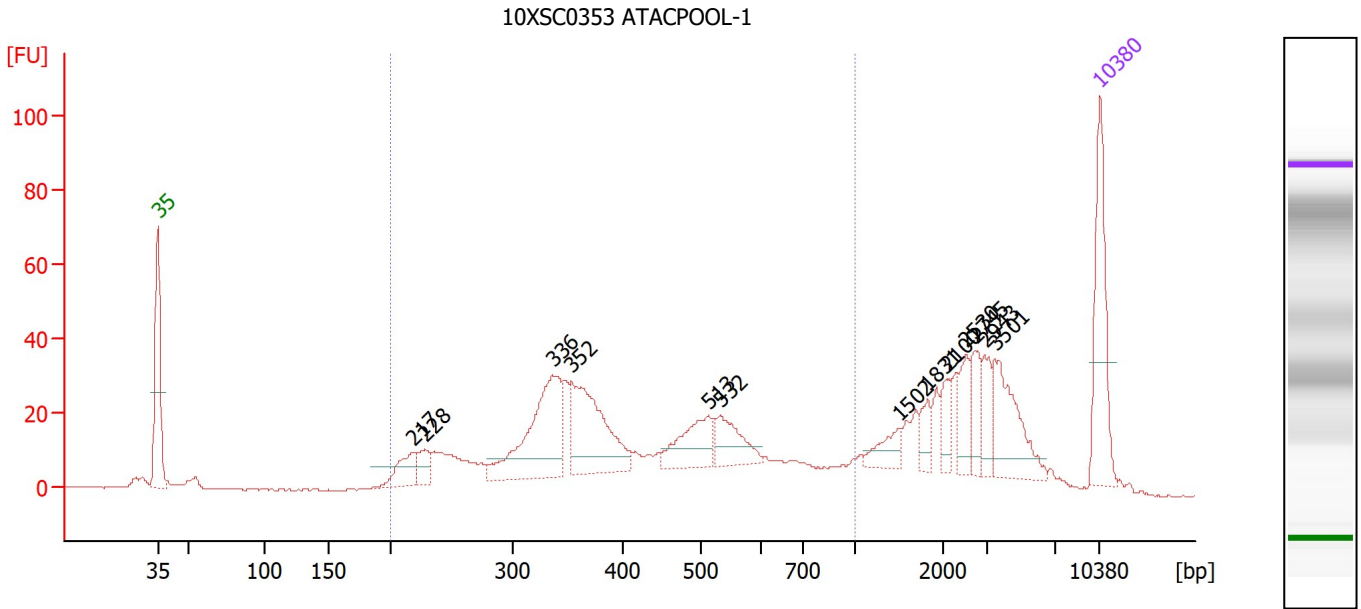
Region table for sample 6 : KTHETIRF42 Library

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	1,320.9	100	466	17.4	1,791.51	6,064.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-06-27_001.xad

Created: 6/27/2024 8:33:42 AM
 Modified: 6/27/2024 9:15:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 10XSC0353 ATACPOOL-1

Number of peaks found: 13 Corr. Area 1: 618.5
 Noise: 0.3

Peak table for sample 7 : 10XSC0353 ATACPOOL-1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	217	37.04	258.6	
3	228	22.57	150.1	
4	336	150.09	677.4	
5	352	134.97	580.4	
6	513	58.37	172.4	
7	532	43.33	123.4	
8	1,502	19.79	20.0	
9	1,831	15.08	12.5	
10	2,100	17.47	12.6	
11	2,530	26.01	15.6	
12	2,745	23.21	12.8	
13	2,943	23.79	12.2	
14	3,501	60.90	26.4	
15	10,380	75.00	10.9	Upper Marker

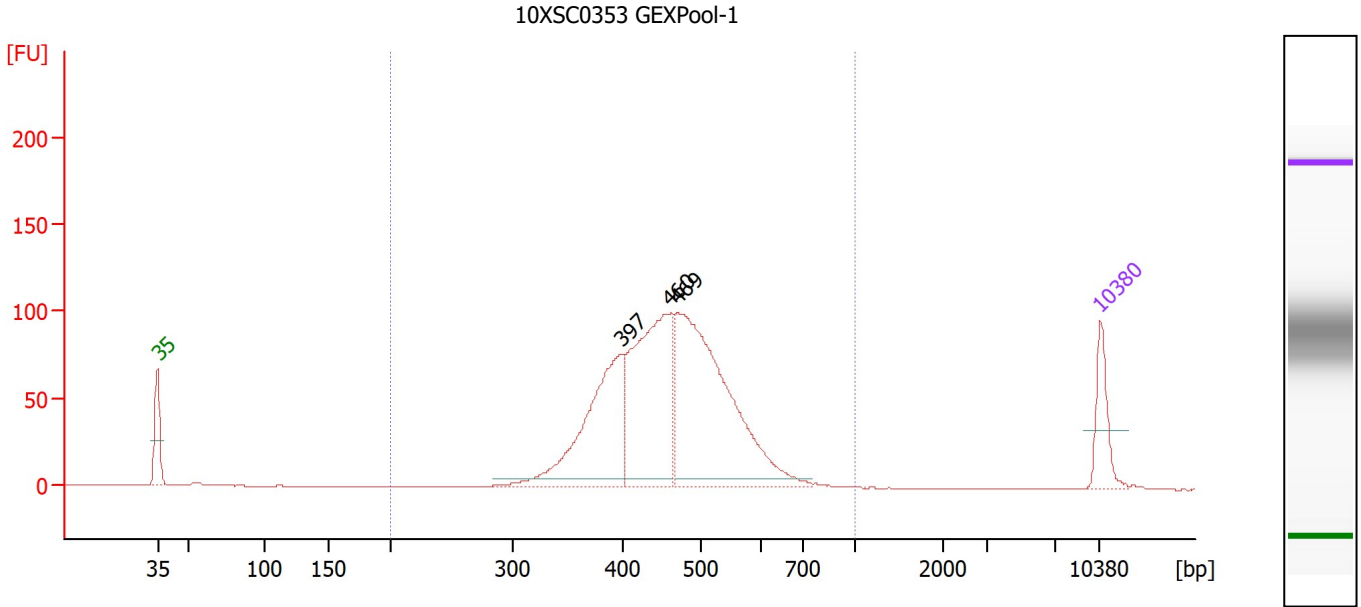
Region table for sample 7 : 10XSC0353 ATACPOOL-1

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	618.5	62	431	37.1	850.91	3,553.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-06-27_001.xad

Created: 6/27/2024 8:33:42 AM
 Modified: 6/27/2024 9:15:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 10XSC0353 GEXPool-1

Number of peaks found: 3 Corr. Area 1: 1,285.9
 Noise: 0.2

Peak table for sample 8 : 10XSC0353 GEXPool-1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	397	422.66	1,611.2	
3	460	512.08	1,687.3	
4	469	741.27	2,396.6	
5	10,380	75.00	10.9	Upper Marker

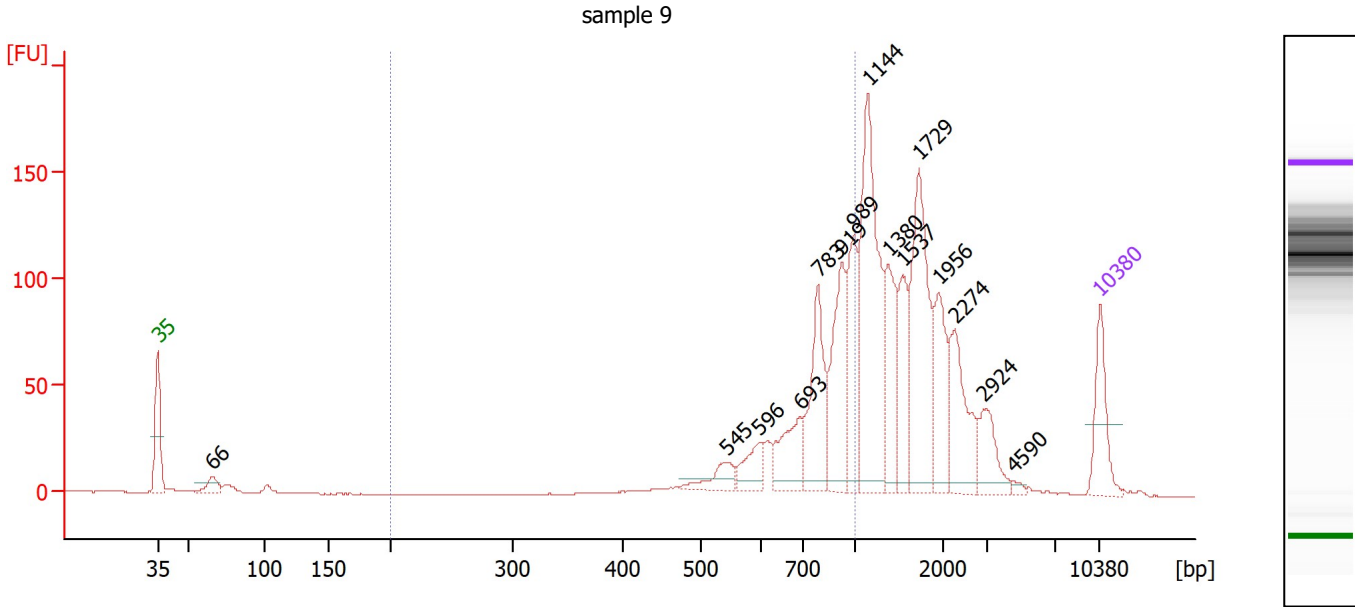
Region table for sample 8 : 10XSC0353 GEXPool-1

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	1,285.9	95	461	16.1	1,690.01	5,733.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-06-27_001.xad

Created: 6/27/2024 8:33:42 AM
 Modified: 6/27/2024 9:15:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : sample 9

Number of peaks found: 15 Corr. Area 1: 523.1
 Noise: 0.2

Peak table for sample 9 : sample 9

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	66	31.01	713.6	
3	545	41.43	115.3	
4	596	50.70	128.8	
5	693	94.45	206.6	
6	783	154.58	299.1	
7	919	157.86	260.3	
8	989	121.78	186.6	
9	1,144	331.56	439.3	
10	1,380	114.19	125.4	
11	1,537	88.62	87.4	
12	1,729	231.36	202.7	
13	1,956	101.09	78.3	
14	2,274	117.98	78.6	
15	2,924	60.55	31.4	
16	4,590	6.22	2.1	
17	10,380	75.00	10.9	Upper Marker

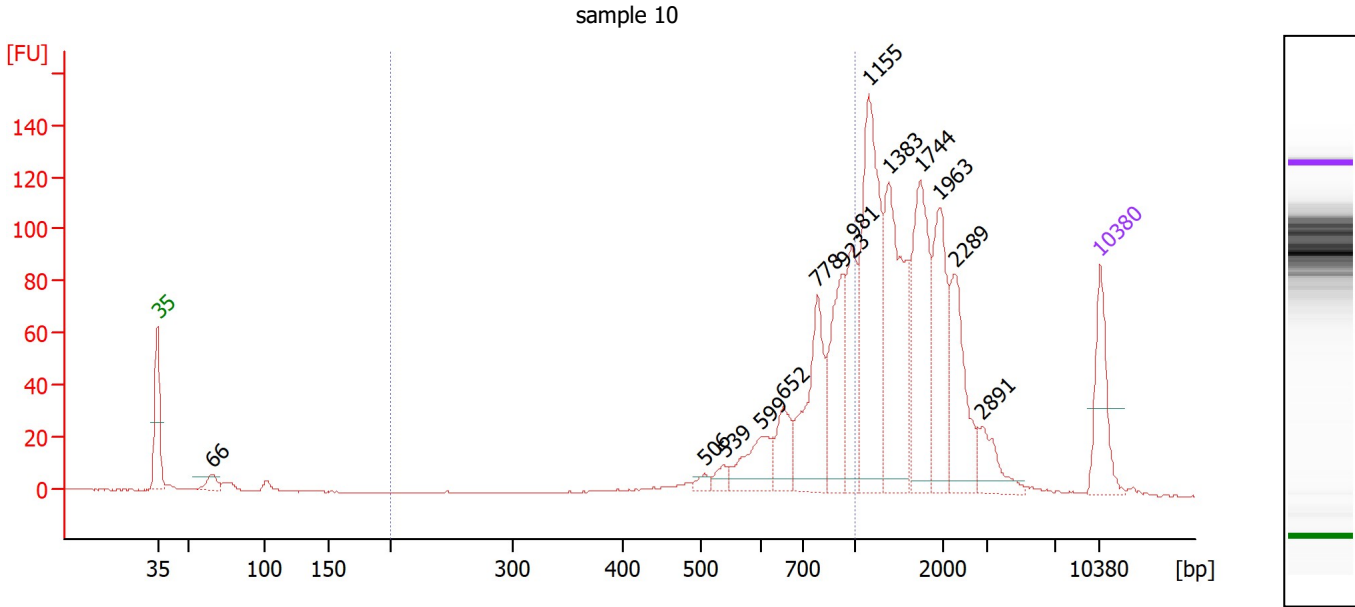
Region table for sample 9 : sample 9

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	523.1	34	775	19.9	688.32	1,424.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-06-27_001.xad

Created: 6/27/2024 8:33:42 AM
 Modified: 6/27/2024 9:15:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : sample 10

Number of peaks found: 14 Corr. Area 1: 439.9
 Noise: 0.1

Peak table for sample 10 : sample 10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	66	22.79	526.7	
3	506	10.77	32.2	
4	539	16.51	46.4	
5	599	72.84	184.1	
6	652	60.33	140.2	
7	778	152.63	297.2	
8	923	128.17	210.3	
9	981	105.26	162.6	
10	1,155	271.53	356.2	
11	1,383	216.70	237.3	
12	1,744	175.94	152.9	
13	1,963	128.57	99.2	
14	2,289	113.78	75.3	
15	2,891	45.11	23.6	
16	10,380	75.00	10.9	Upper Marker

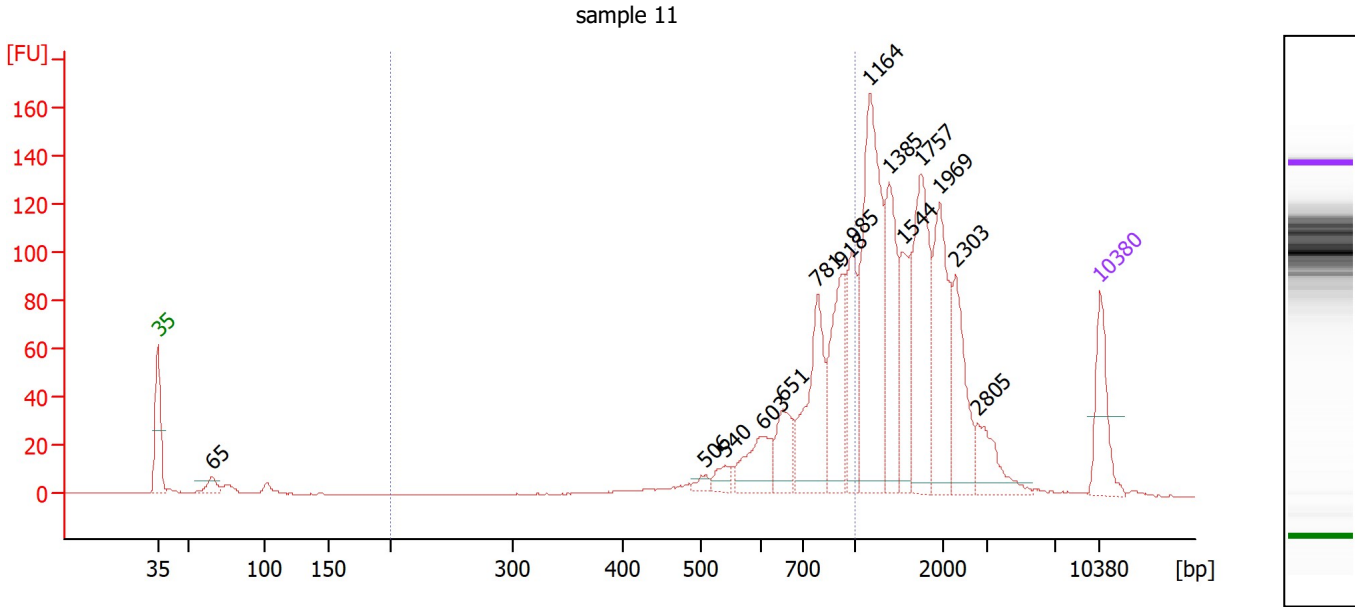
Region table for sample 10 : sample 10

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	439.9	32	768	19.8	559.63	1,166.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-06-27_001.xad

Created: 6/27/2024 8:33:42 AM
 Modified: 6/27/2024 9:15:05 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

Number of peaks found: 15 Corr. Area 1: 488.1
 Noise: 0.2

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	65	24.36	565.6	
3	506	12.64	37.8	
4	540	21.12	59.3	
5	603	78.11	196.2	
6	651	69.84	162.6	
7	781	168.73	327.4	
8	918	144.93	239.2	
9	985	110.94	170.7	
10	1,164	317.36	413.1	
11	1,385	155.65	170.2	
12	1,544	90.43	88.7	
13	1,757	202.42	174.6	
14	1,969	152.08	117.0	
15	2,303	112.15	73.8	
16	2,805	59.51	32.1	
17	10,380	75.00	10.9	Upper Marker

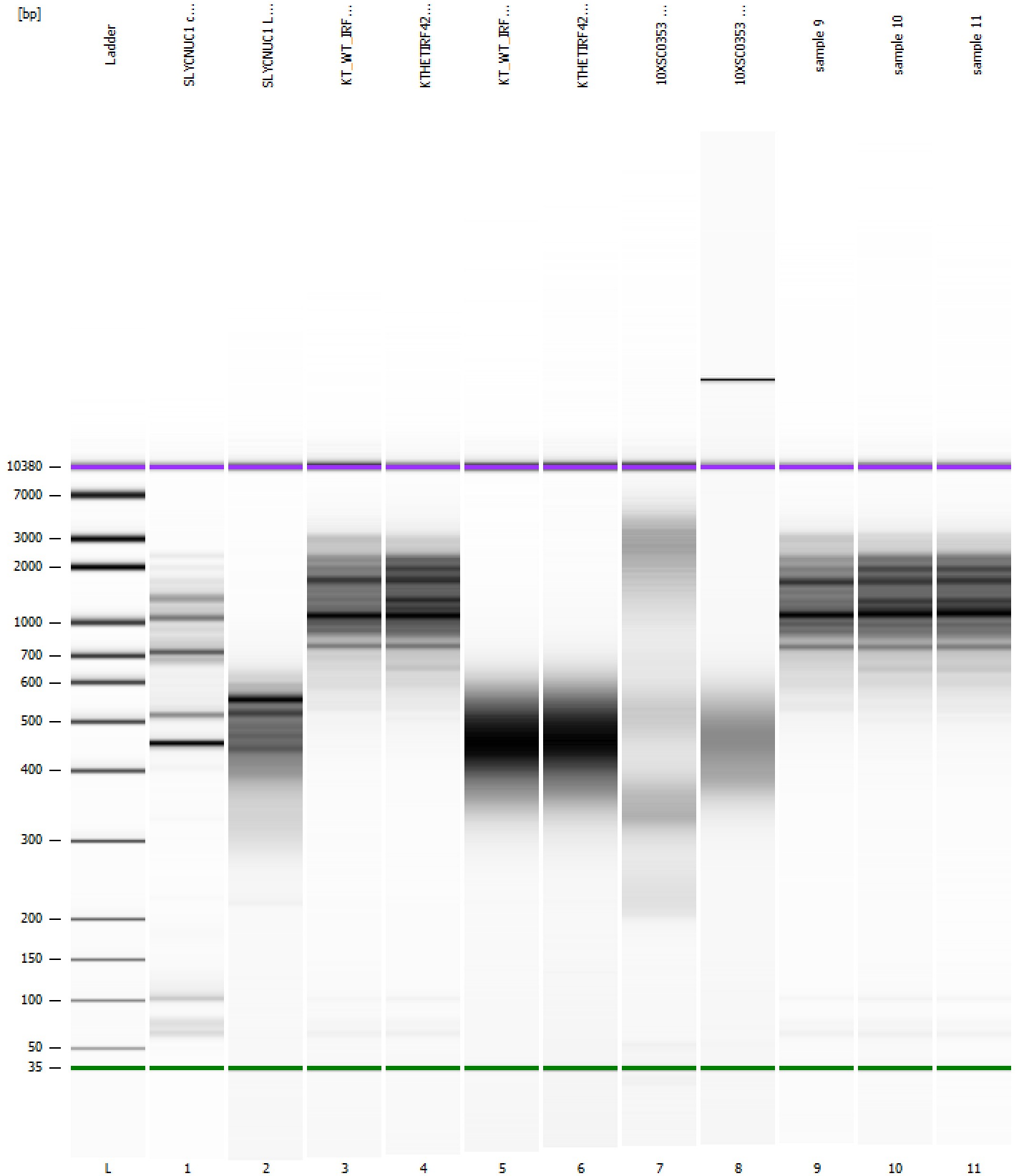
Region table for sample 11 : sample 11

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	488.1	32	762	20.5	651.83	1,381.4	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-06-27_001.xad

Created: 6/27/2024 8:33:42 AM
Modified: 6/27/2024 9:15:05 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r1_High Sensitivity DNA Assay_DE34903152_2024-06-27_001.xad

Created: 6/27/2024 8:33:42 AM
 Modified: 6/27/2024 9:15:05 AM

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		6/27/2024 9:15:02 AM	(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\2024-06-27\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2024-06-27_001.xad)		Instrument	Run		6/27/2024 8:33:49 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		6/27/2024 8:33:49 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		6/27/2024 8:33:49 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		6/27/2024 8:33:49 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		6/27/2024 8:33:49 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		6/27/2024 8:33:49 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		6/27/2024 8:33:49 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB