

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-23\2017-01-23_003.xad

Created: 1/23/2017 1:41:18 PM
Modified: 1/24/2017 1:46:23 PM

Electrophoresis File Run Summary

Instrument Information:

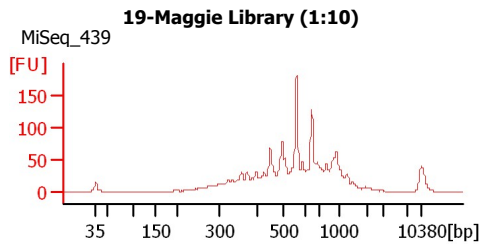
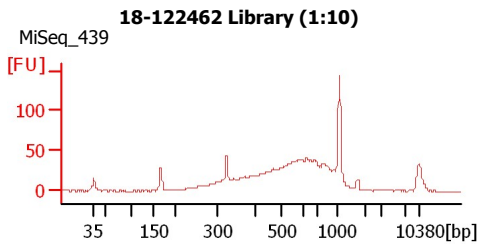
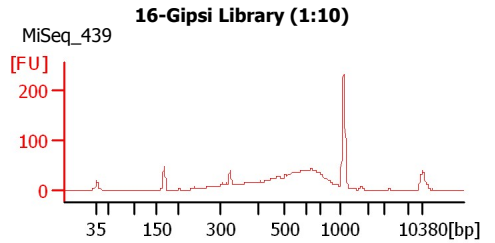
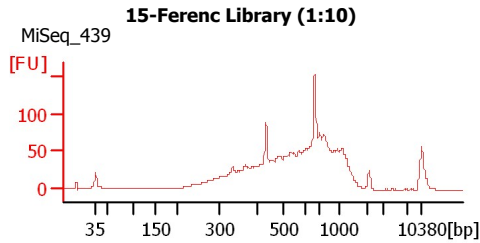
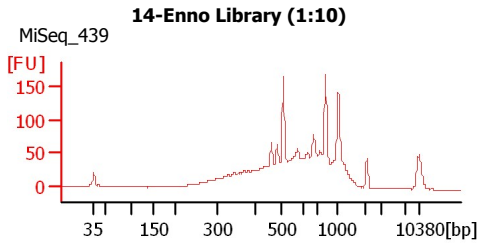
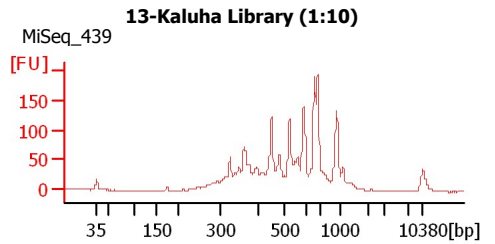
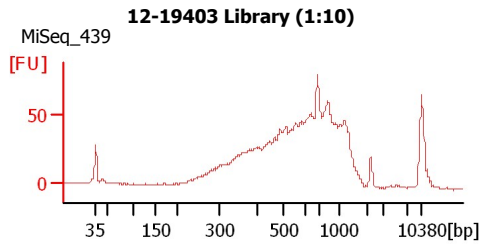
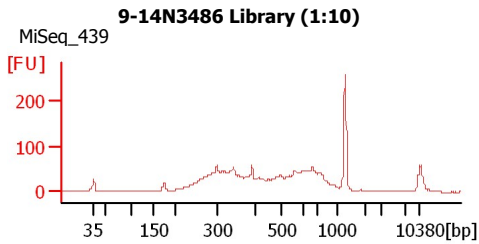
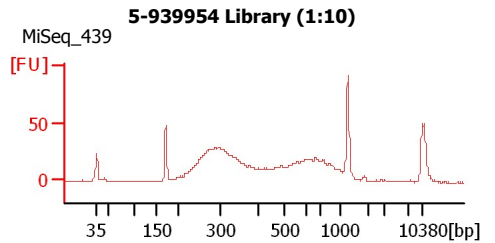
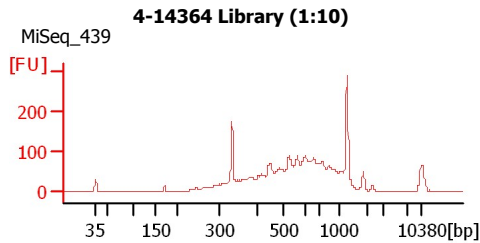
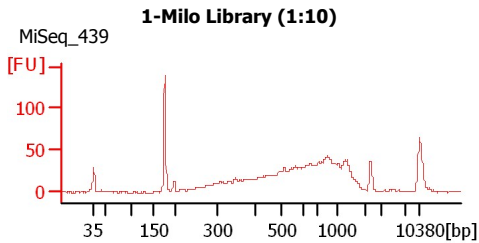
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\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:



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 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-23\2017-01-23_003.xad

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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
1-Milo Library (1:10)	MiSeq_439	<input type="checkbox"/>	✓			
4-14364 Library (1:10)	MiSeq_439	<input type="checkbox"/>	✓			
5-939954 Library (1:10)	MiSeq_439	<input type="checkbox"/>	✓			
9-14N3486 Library (1:10)	MiSeq_439	<input type="checkbox"/>	✓			
12-19403 Library (1:10)	MiSeq_439	<input type="checkbox"/>	✓			
13-Kaluha Library (1:10)	MiSeq_439	<input type="checkbox"/>	✓			
14-Enno Library (1:10)	MiSeq_439	<input type="checkbox"/>	✓			
15-Ferenc Library (1:10)	MiSeq_439	<input type="checkbox"/>	✓			
16-Gipsi Library (1:10)	MiSeq_439	<input type="checkbox"/>	✓			
18-122462 Library (1:10)	MiSeq_439	<input type="checkbox"/>	✓			
19-Maggie Library (1:10)	MiSeq_439	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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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

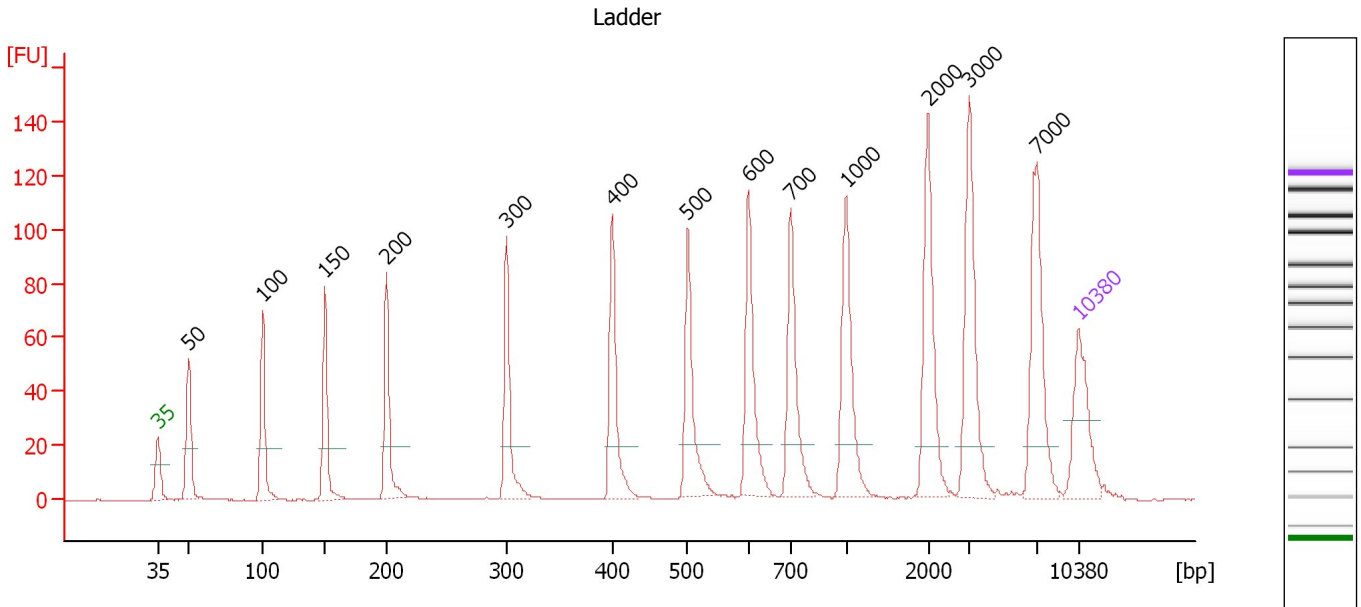
Ladder

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

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

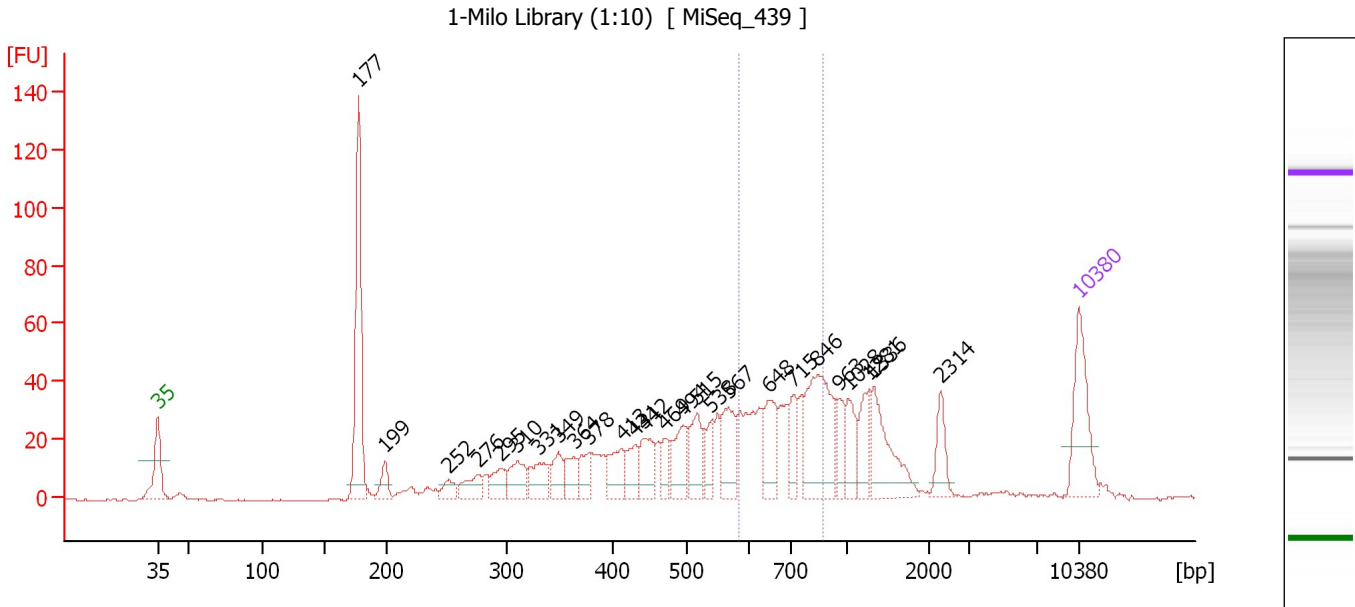
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.36
3	100	150.00	2,272.7	Ladder Peak	51.00
4	150	150.00	1,515.2	Ladder Peak	55.71
5	200	150.00	1,136.4	Ladder Peak	60.43
6	300	150.00	757.6	Ladder Peak	69.56
7	400	150.00	568.2	Ladder Peak	77.56
8	500	150.00	454.5	Ladder Peak	83.30
9	600	150.00	378.8	Ladder Peak	87.92
10	700	150.00	324.7	Ladder Peak	91.16
11	1,000	150.00	227.3	Ladder Peak	95.33
12	2,000	150.00	113.6	Ladder Peak	101.56
13	3,000	150.00	75.8	Ladder Peak	104.70
14	7,000	150.00	32.5	Ladder Peak	109.86
15	10,380	75.00	10.9	Upper Marker	113.00

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Electropherogram Summary Continued ...



Overall Results for sample 1 : 1-Milo Library (1:10)

Number of peaks found: 26 Corr. Area 1: 239.8
 Noise: 0.2

Peak table for sample 1 : 1-Milo Library (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	177	231.87	1,982.1		58.28
3	199	26.31	200.7		60.30
4	252	19.70	118.6		65.13
5	276	33.07	181.6		67.35
6	295	30.13	154.9		69.08
7	310	45.55	222.6		70.36
8	331	44.94	205.7		72.04
9	349	34.92	151.7		73.46
10	364	28.92	120.5		74.65
11	378	33.28	133.2		75.83
12	413	40.20	147.5		78.30
13	431	36.38	127.9		79.33
14	442	48.88	167.6		79.97
15	469	25.21	81.5		81.50
16	494	55.51	170.1		82.98
17	515	53.69	157.8		84.01
18	538	29.49	83.1		85.05
19	567	58.53	156.5		86.38
20	648	58.75	137.3		89.49
21	715	41.96	89.0		91.36
22	846	143.31	256.7		93.18
23	963	30.74	48.4		94.81
24	1,028	39.01	57.5		95.50
25	1,281	41.69	49.3		97.08

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Electropherogram Summary Continued ...

... Peak table for sample 1 : 1-Milo Library (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,336	84.06	95.3		97.42
27	2,314	31.59	20.7		102.55
28	10,380	75.00	10.9	Upper Marker	113.00

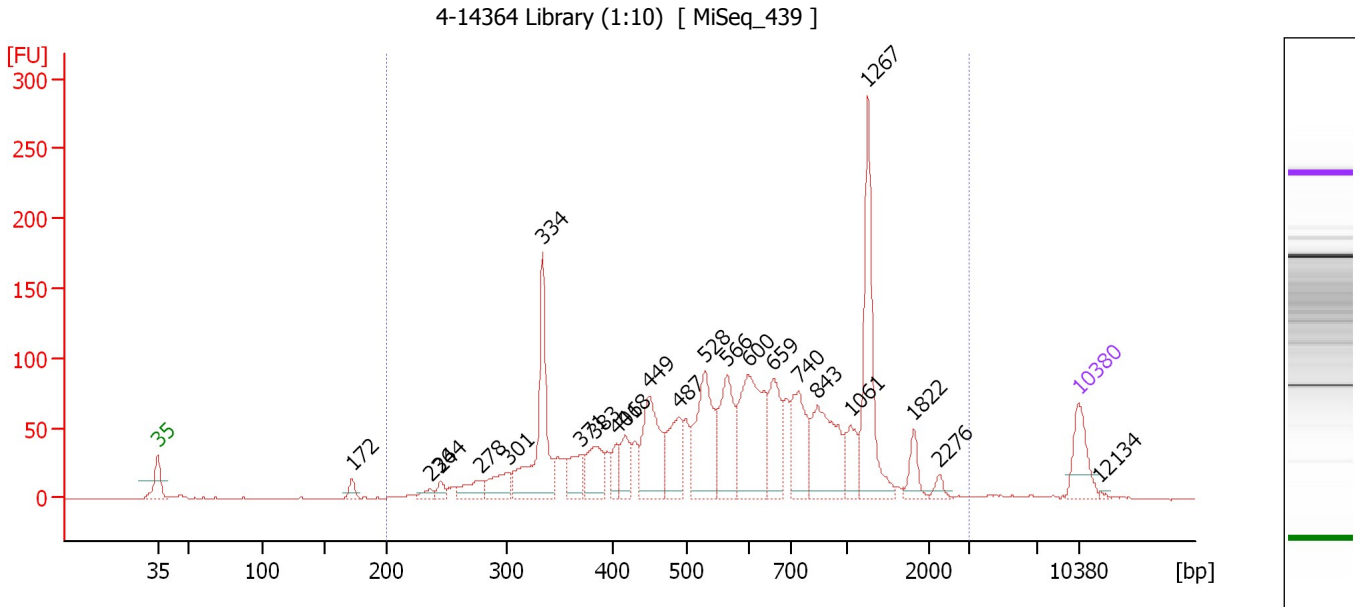
Region table for sample 1 : 1-Milo Library (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total	Size distribution in CV [%]
584	876	705	239.8	764.6	350.31	23	12.3

Assay Class: High Sensitivity DNA Assay
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Electropherogram Summary Continued ...



Overall Results for sample 2 : 4-14364 Library (1:10)

Number of peaks found: 23 Corr. Area 1: 2,153.3
 Noise: 0.5

Peak table for sample 2 : 4-14364 Library (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	172	25.31	223.2		57.77
3	236	19.43	124.8		63.70
4	244	26.08	161.6		64.49
5	278	60.47	329.5		67.55
6	301	77.19	388.7		69.63
7	334	325.90	1,477.5		72.29
8	371	72.78	297.5		75.21
9	383	112.52	445.1		76.20
10	406	45.09	168.1		77.93
11	418	66.28	240.5		78.57
12	449	199.81	674.9		80.35
13	487	127.25	395.7		82.57
14	528	231.24	663.5		84.59
15	566	177.12	474.6		86.32
16	600	285.62	721.5		87.90
17	659	136.90	314.7		89.83
18	740	152.79	312.9		91.71
19	843	216.27	388.8		93.14
20	1,061	61.72	88.1		95.71
21	1,267	273.03	326.4		96.99
22	1,822	41.83	34.8		100.45
23	2,276	14.24	9.5		102.43
24	10,380	75.00	10.9	Upper Marker	113.00
25	12,134	0.00	0.0		114.63

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Electropherogram Summary Continued ...

... Region table for sample 2 :

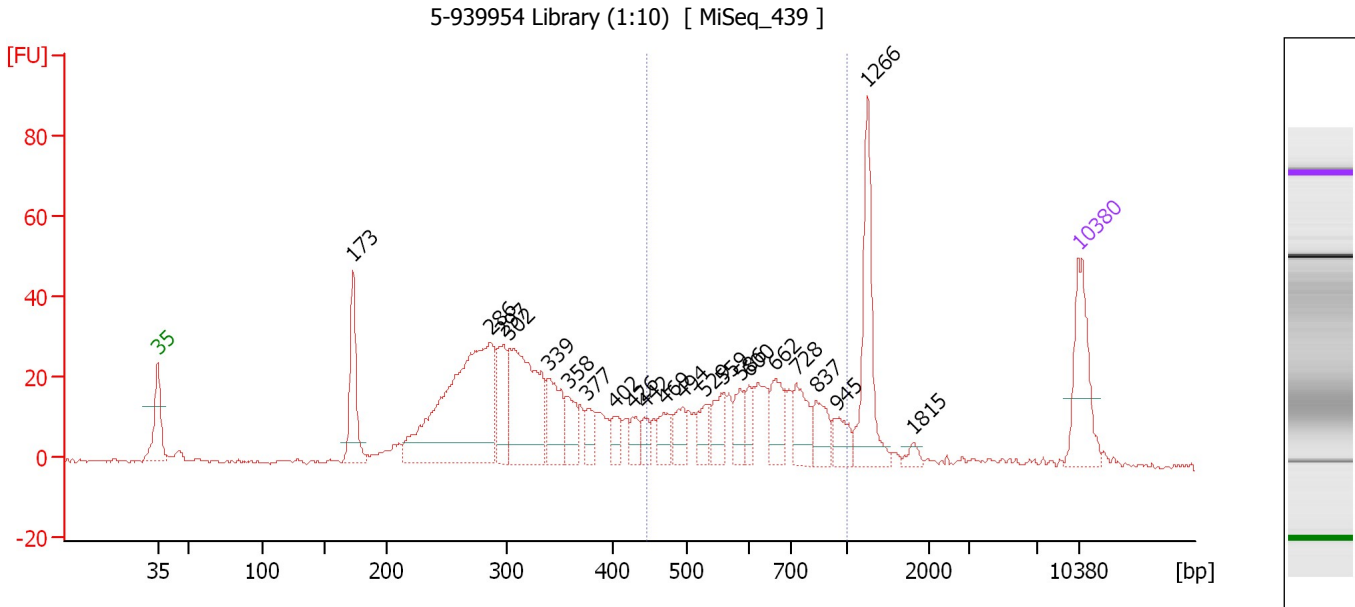
4-14364 Library (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	3,012	698	2,153.3	9,029.8	3,034.47	98	55.3

Assay Class: High Sensitivity DNA Assay
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Electropherogram Summary Continued ...



Overall Results for sample 3 : 5-939954 Library (1:10)

Number of peaks found: 22 Corr. Area 1: 266.1
 Noise: 0.5

Peak table for sample 3 : 5-939954 Library (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	173	107.06	939.1		57.86
3	286	395.23	2,093.6		68.28
4	297	77.48	395.9		69.24
5	302	203.04	1,017.7		69.74
6	339	75.12	335.3		72.71
7	358	38.74	163.8		74.22
8	377	26.63	107.2		75.68
9	402	22.88	86.1		77.70
10	426	22.31	79.3		79.06
11	442	17.96	61.6		79.96
12	469	31.43	101.5		81.53
13	494	30.90	94.8		82.94
14	529	26.67	76.4		84.65
15	559	37.93	102.9		86.01
16	586	28.99	75.0		87.27
17	600	23.40	59.1		87.92
18	662	43.80	100.2		89.94
19	728	47.45	98.7		91.55
20	837	36.26	65.7		93.06
21	945	27.76	44.5		94.57
22	1,266	111.42	133.4		96.99
23	1,815	7.95	6.6		100.41
24	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
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Electropherogram Summary Continued ...

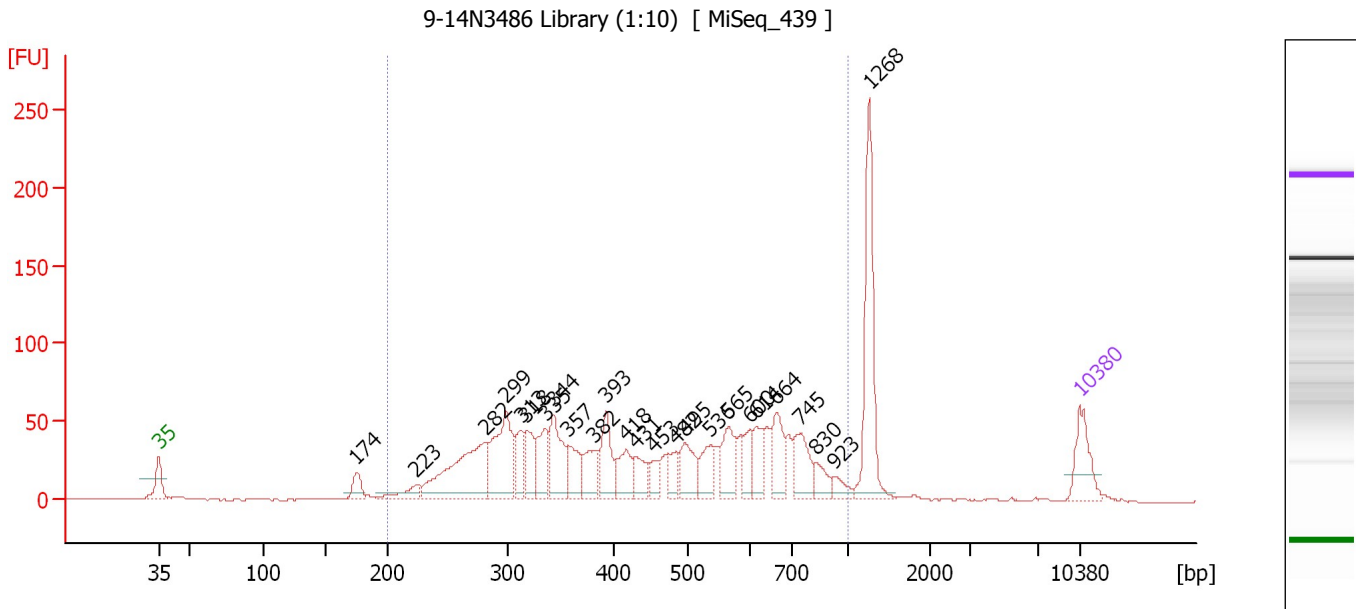
... Region table for sample 3 : 5-939954 Library (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
445	1,000	638	266.1	1,127.2	449.51	30	21.6

Assay Class: High Sensitivity DNA Assay
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Electropherogram Summary Continued ...



Overall Results for sample 4 : 9-14N3486 Library (1:10)

Number of peaks found: 25 Corr. Area 1: 1,414.8
 Noise: 0.2

Peak table for sample 4 : 9-14N3486 Library (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	174	49.43	429.2		58.02
3	223	47.39	321.4		62.56
4	282	314.79	1,693.4		67.88
5	299	228.40	1,158.9		69.43
6	313	77.70	376.6		70.57
7	318	74.76	356.5		70.98
8	335	98.64	445.9		72.37
9	344	138.52	610.8		73.04
10	357	77.80	330.1		74.13
11	382	80.87	320.5		76.14
12	393	96.86	373.2		77.02
13	418	77.01	279.4		78.57
14	431	57.64	202.6		79.34
15	453	37.79	126.5		80.58
16	482	41.63	130.8		82.28
17	495	87.79	268.8		83.01
18	536	73.55	207.9		84.97
19	565	88.84	238.2		86.31
20	600	47.44	119.8		87.91
21	614	61.75	152.3		88.38
22	664	87.81	200.5		89.98
23	745	91.77	186.6		91.78
24	830	36.44	66.5		92.97
25	923	25.21	41.4		94.26

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Electropherogram Summary Continued ...

... Peak table for sample 4 : 9-14N3486 Library (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,268	233.25	278.8		97.00
27	10,380	75.00	10.9	Upper Marker	113.00

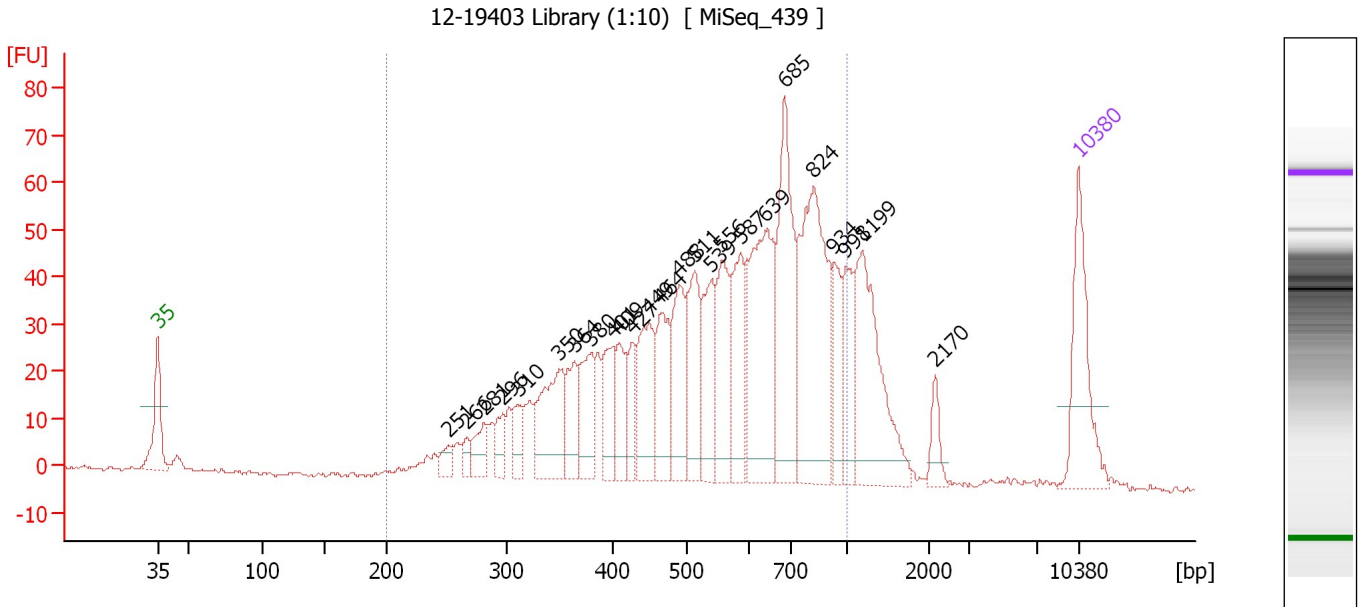
Region table for sample 4 : 9-14N3486 Library (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	465	1,414.8	9,126.8	2,324.05	85	36.9

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Electropherogram Summary Continued ...



Overall Results for sample 5 : 12-19403 Library (1:10)

Number of peaks found: 25 Corr. Area 1: 1,200.6
 Noise: 0.5

Peak table for sample 5 : 12-19403 Library (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	251	16.00	96.6		65.07
3	266	12.97	73.7		66.49
4	281	27.67	149.3		67.81
5	296	22.65	115.8		69.23
6	310	22.80	111.3		70.39
7	350	89.79	388.8		73.55
8	364	45.77	190.3		74.71
9	380	55.36	221.0		75.92
10	401	49.02	185.3		77.60
11	409	41.45	153.5		78.08
12	427	33.67	119.4		79.13
13	449	77.54	262.0		80.34
14	464	67.09	219.0		81.24
15	488	78.65	244.2		82.61
16	511	78.28	232.0		83.82
17	539	67.44	189.7		85.08
18	556	75.46	205.7		85.87
19	587	77.98	201.4		87.30
20	639	164.21	389.1		89.19
21	685	145.05	320.9		90.67
22	824	186.56	343.1		92.88
23	934	39.16	63.5		94.41
24	998	49.09	74.5		95.30
25	1,199	130.52	165.0		96.57

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Electropherogram Summary Continued ...

... Peak table for sample 5 : 12-19403 Library (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,170	17.37	12.1		102.10
27	10,380	75.00	10.9	Upper Marker	113.00

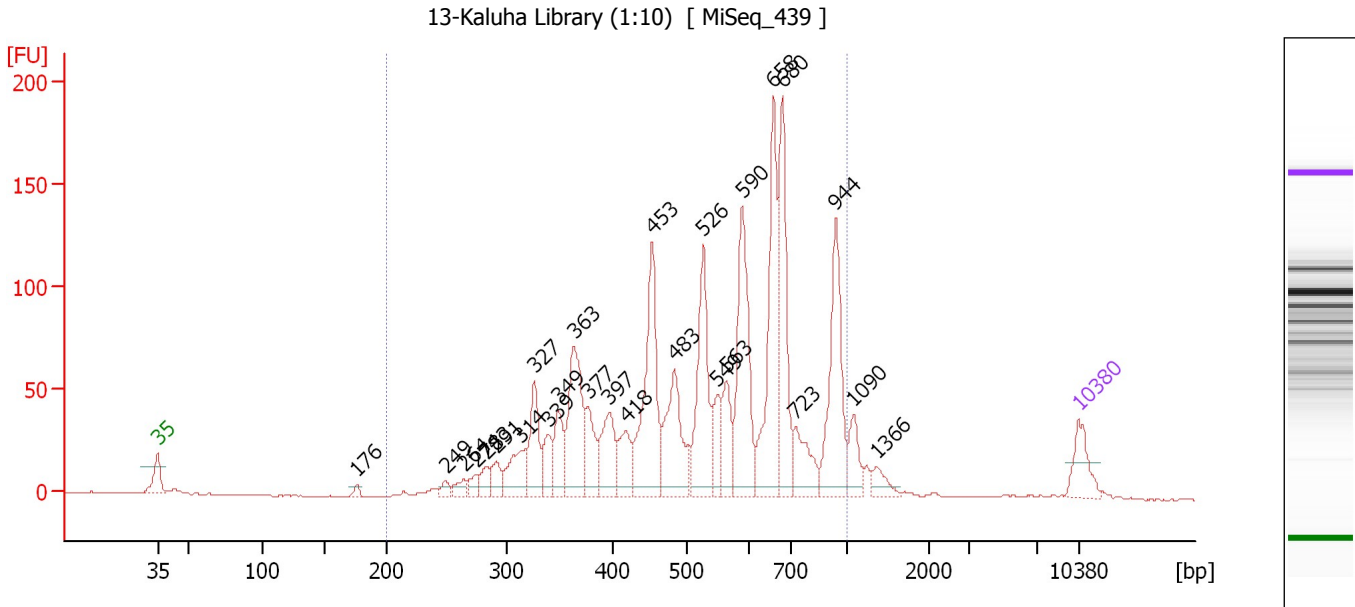
Region table for sample 5 : 12-19403 Library (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	565	1,200.6	5,229.9	1,649.21	86	32.7

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Electropherogram Summary Continued ...



Overall Results for sample 6 : 13-Kaluha Library (1:10)

Number of peaks found: 26 Corr. Area 1: 1,625.6
 Noise: 0.4

Peak table for sample 6 : 13-Kaluha Library (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	176	14.97	128.8		58.17
3	249	24.05	146.4		64.90
4	264	32.79	188.0		66.30
5	274	33.11	182.9		67.21
6	283	46.63	249.5		68.02
7	291	55.11	287.1		68.72
8	314	128.45	620.3		70.66
9	327	162.93	756.1		71.68
10	339	81.26	362.9		72.70
11	349	120.59	524.0		73.45
12	363	289.77	1,207.8		74.64
13	377	117.68	473.0		75.71
14	397	161.49	616.2		77.33
15	418	103.11	373.3		78.62
16	453	391.90	1,310.4		80.61
17	483	254.18	797.2		82.33
18	526	310.86	896.1		84.48
19	549	90.58	250.0		85.56
20	563	118.90	320.0		86.21
21	590	361.12	927.8		87.44
22	658	404.21	930.1		89.81
23	680	331.17	737.8		90.51
24	723	121.08	253.7		91.48
25	944	304.24	488.5		94.54

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-23\2017-01-23_003.xad

Created: 1/23/2017 1:41:18 PM
 Modified: 1/24/2017 1:46:23 PM

Electropherogram Summary Continued ...

... Peak table for sample 6 : 13-Kaluha Library (1:10)

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,090	69.45	96.5		95.89
27	1,366	36.15	40.1		97.61
28	10,380	75.00	10.9	Upper Marker	113.00

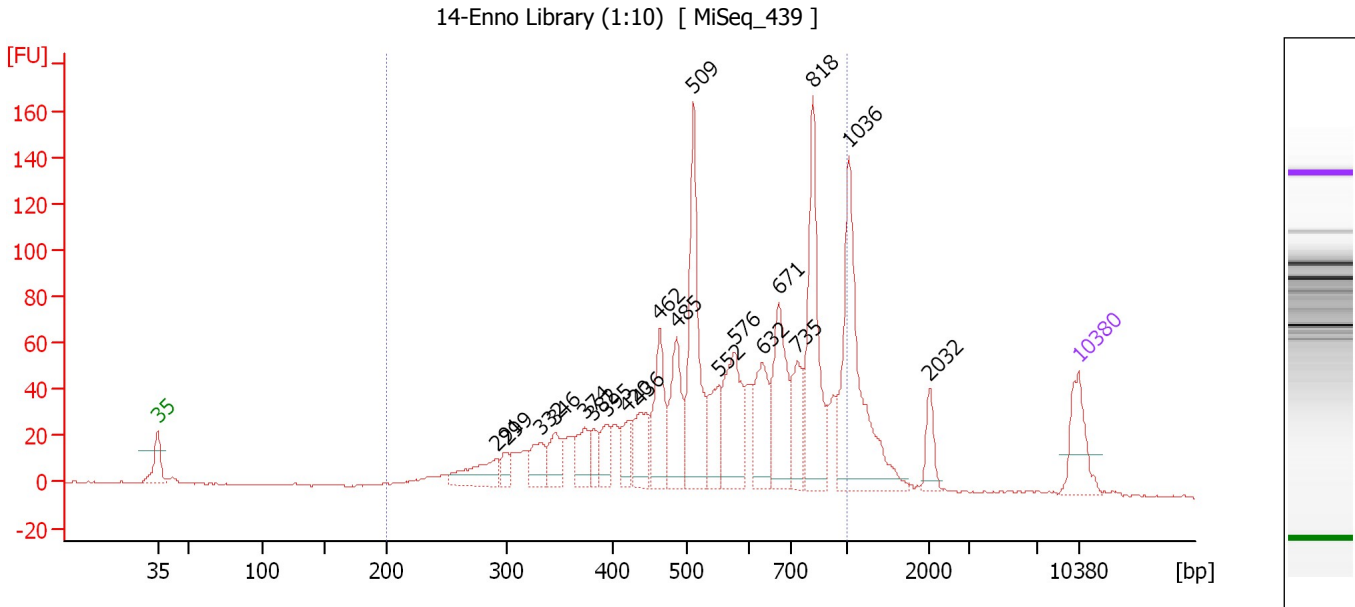
Region table for sample 6 : 13-Kaluha Library (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/ μ l]	% of Total	Size distribution in CV [%]
200	1,000	555	1,625.6	12,633.0	3,985.29	95	32.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-23\2017-01-23_003.xad

Created: 1/23/2017 1:41:18 PM
 Modified: 1/24/2017 1:46:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 14-Enno Library (1:10)

Number of peaks found: 20 Corr. Area 1: 1,359.5
 Noise: 0.3

Peak table for sample 7 : 14-Enno Library (1:10)


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	291	87.04	452.8		68.75
3	299	29.06	147.2		69.47
4	332	62.23	284.1		72.11
5	346	62.93	275.8		73.21
6	374	64.20	260.2		75.47
7	382	40.28	159.7		76.13
8	395	51.00	195.5		77.17
9	420	43.48	156.8		78.72
10	436	89.20	309.7		79.65
11	462	131.98	432.6		81.14
12	485	133.78	417.7		82.46
13	509	279.73	832.4		83.72
14	552	80.33	220.5		85.70
15	576	169.13	444.9		86.81
16	632	117.56	281.9		88.95
17	671	174.43	393.9		90.22
18	735	86.57	178.4		91.65
19	818	253.18	468.7		92.80
20	1,036	317.59	464.3		95.56
21	2,032	38.81	28.9		101.66
22	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-23\2017-01-23_003.xad

Created: 1/23/2017 1:41:18 PM
Modified: 1/24/2017 1:46:23 PM

Electropherogram Summary Continued ...

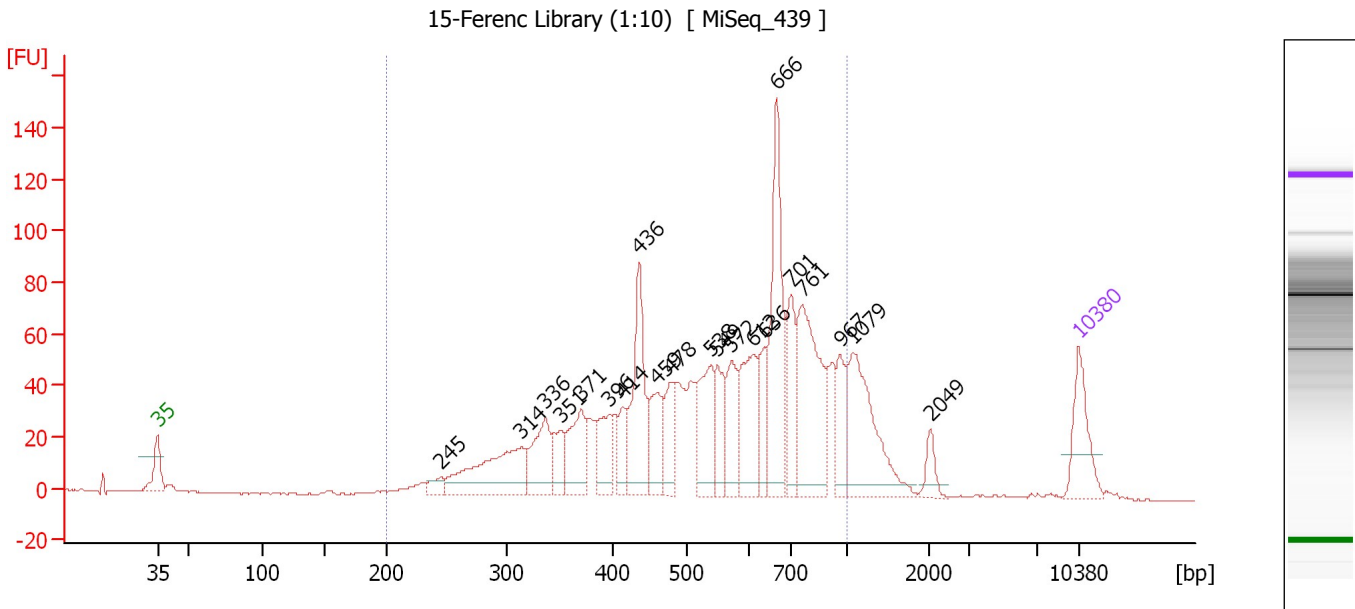
... Region table for sample 7 : 14-Enno Library (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	572	1,359.5	7,305.6	 2,353.36	86	32.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-23\2017-01-23_003.xad

Created: 1/23/2017 1:41:18 PM
 Modified: 1/24/2017 1:46:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 15-Ferenc Library (1:10)

Number of peaks found: 21 Corr. Area 1: 1,397.3
 Noise: 0.3

Peak table for sample 8 : 15-Ferenc Library (1:10)


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	245	23.71	146.5		64.56
3	314	193.92	935.8		70.67
4	336	107.01	481.9		72.47
5	351	47.36	204.3		73.65
6	371	106.55	435.4		75.22
7	396	74.38	284.6		77.24
8	414	49.41	180.8		78.36
9	436	176.35	613.5		79.60
10	459	90.60	299.1		80.95
11	478	69.22	219.6		82.01
12	538	121.07	341.1		85.04
13	549	72.94	201.4		85.55
14	572	82.86	219.5		86.62
15	612	133.28	330.0		88.30
16	636	69.31	165.1		89.09
17	666	228.94	521.2		90.04
18	701	97.02	209.8		91.16
19	761	234.04	465.9		92.01
20	967	63.90	100.1		94.87
21	1,079	184.22	258.6		95.82
22	2,049	24.81	18.3		101.72
23	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-23\2017-01-23_003.xad

Created: 1/23/2017 1:41:18 PM
Modified: 1/24/2017 1:46:23 PM

Electropherogram Summary Continued ...

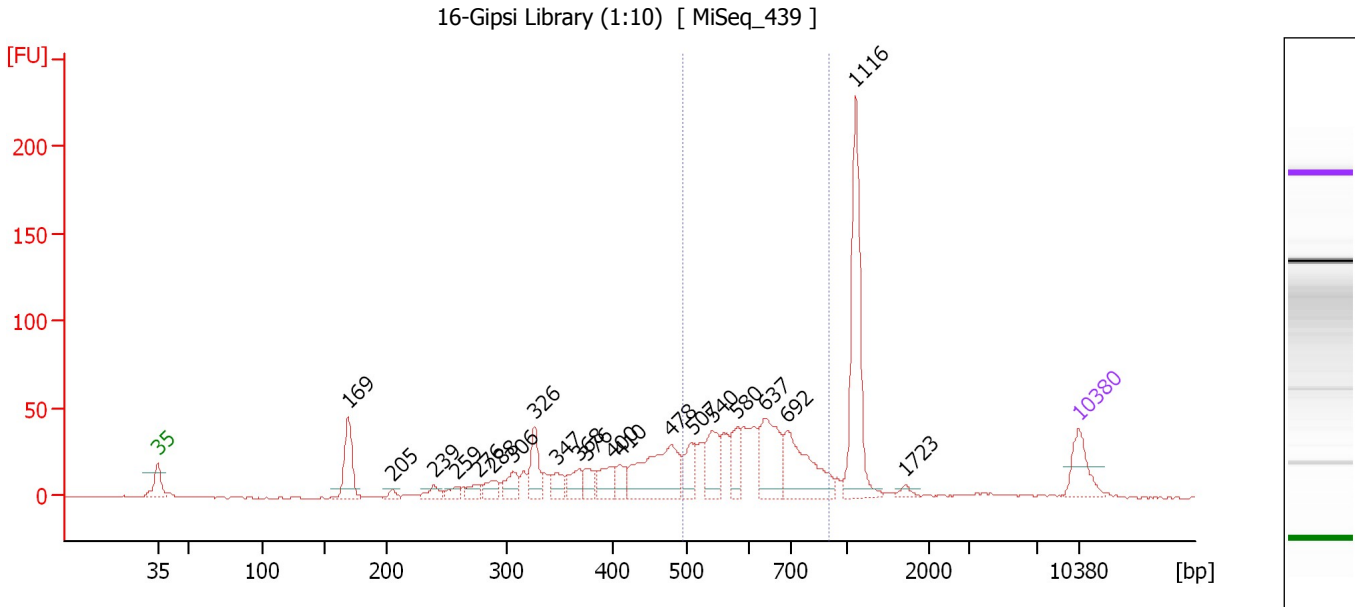
... Region table for sample 8 : 15-Ferenc Library (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	564	1,397.3	7,229.4	 2,291.92	89	32.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-23\2017-01-23_003.xad

Created: 1/23/2017 1:41:18 PM
 Modified: 1/24/2017 1:46:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 16-Gipsi Library (1:10)

Number of peaks found: 21 Corr. Area 1: 406.5
 Noise: 0.3

Peak table for sample 9 : 16-Gipsi Library (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	169	157.08	1,411.9		57.46
3	205	14.61	108.2		60.85
4	239	30.66	194.1		64.02
5	259	25.16	147.5		65.77
6	276	34.04	187.0		67.35
7	288	40.53	213.5		68.42
8	306	54.82	271.2		70.06
9	326	94.96	441.2		71.64
10	347	43.79	191.1		73.34
11	368	52.39	215.5		75.03
12	376	37.87	152.5		75.66
13	400	65.12	246.5		77.58
14	410	39.74	146.8		78.14
15	478	260.69	826.3		82.04
16	507	71.32	213.2		83.62
17	540	109.70	307.8		85.15
18	580	71.21	185.9		87.01
19	637	174.23	414.7		89.10
20	692	211.33	462.4		90.91
21	1,116	336.88	457.4		96.05
22	1,723	13.29	11.7		99.84
23	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-23\2017-01-23_003.xad

Created: 1/23/2017 1:41:18 PM
Modified: 1/24/2017 1:46:23 PM

Electropherogram Summary Continued ...

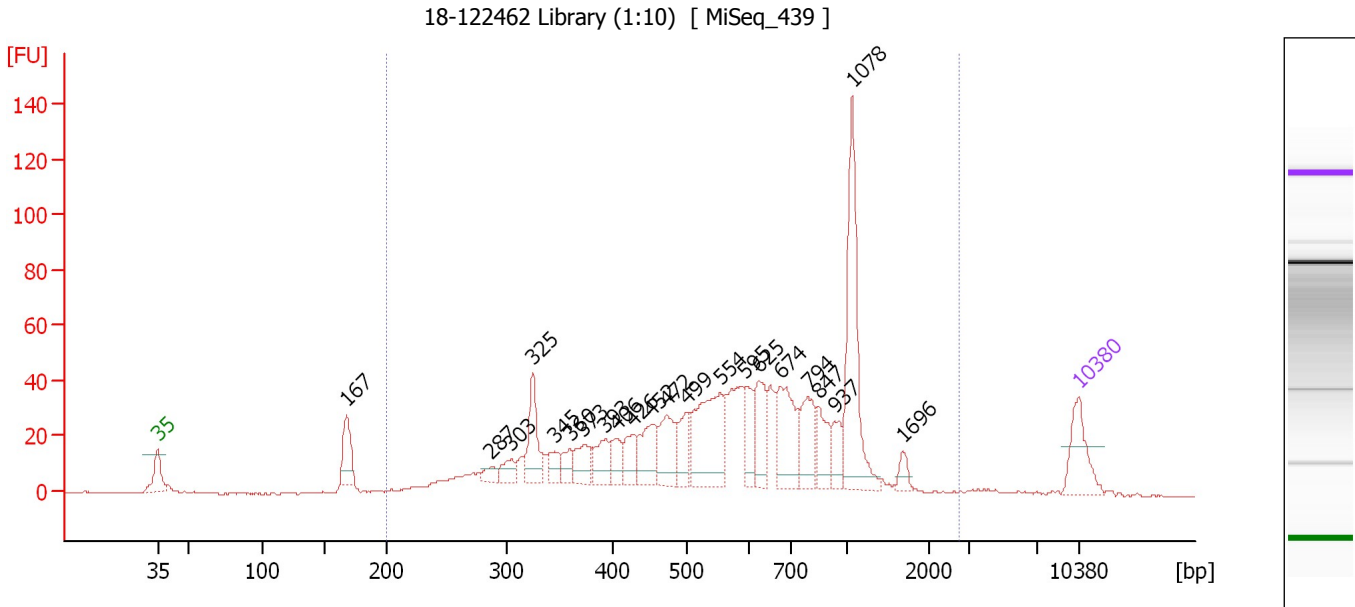
... Region table for sample 9 : 16-Gipsi Library (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
493	902	624	406.5	2,153.3	866.59	37	14.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-23\2017-01-23_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : 18-122462 Library (1:10)

Number of peaks found: 22 Corr. Area 1: 999.2
 Noise: 0.3

Peak table for sample 10 : 18-122462 Library (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	167	92.46	837.0		57.35
3	287	24.58	129.8		68.36
4	303	36.68	183.2		69.83
5	325	106.23	495.7		71.53
6	345	34.91	153.2		73.18
7	360	37.53	157.9		74.37
8	373	59.49	241.7		75.39
9	393	58.74	226.6		76.98
10	406	44.83	167.4		77.89
11	426	56.75	201.6		79.08
12	452	92.66	310.5		80.55
13	472	98.15	315.2		81.69
14	499	69.60	211.5		83.22
15	554	217.77	596.1		85.77
16	595	66.54	169.4		87.70
17	625	94.44	229.0		88.72
18	674	138.54	311.5		90.31
19	794	100.50	191.7		92.47
20	847	64.64	115.6		93.20
21	937	44.84	72.5		94.45
22	1,078	261.63	367.9		95.81
23	1,696	19.88	17.8		99.67
24	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-23\2017-01-23_003.xad

Created: 1/23/2017 1:41:18 PM
Modified: 1/24/2017 1:46:23 PM

Electropherogram Summary Continued ...

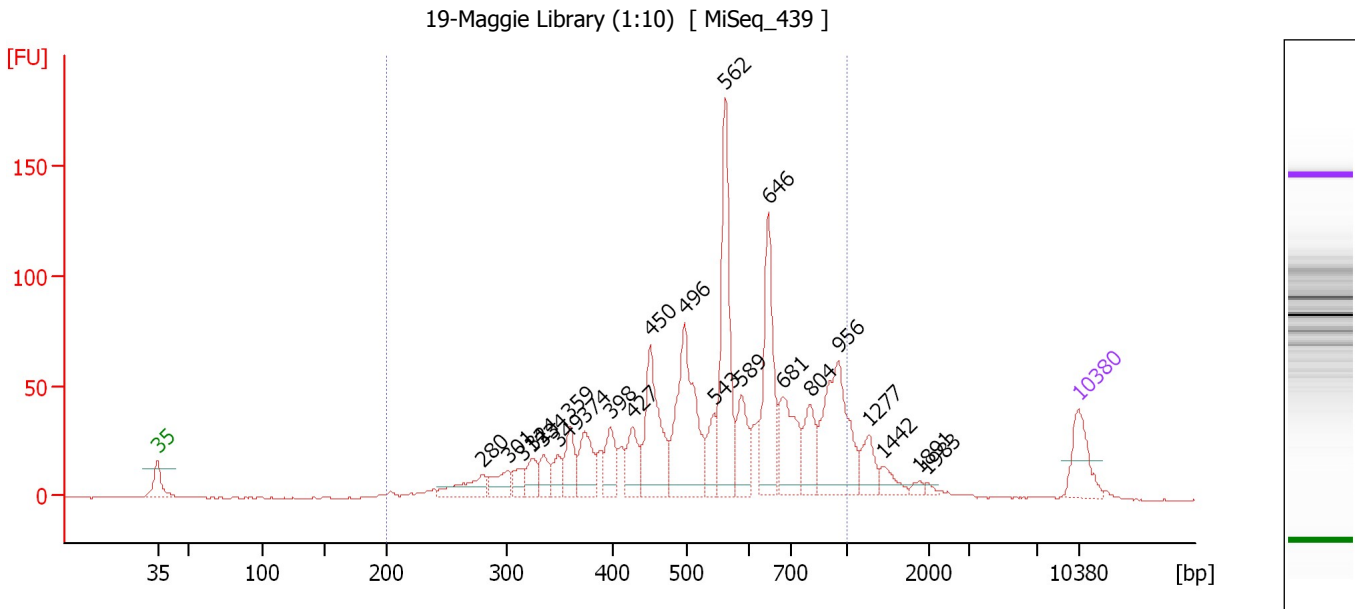
... Region table for sample 10 : 18-122462 Library (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	2,731	654	999.2	7,412.7	■ 2,431.17	94	48.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-23\2017-01-23_003.xad

Created: 1/23/2017 1:41:18 PM
 Modified: 1/24/2017 1:46:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 19-Maggie Library (1:10)

Number of peaks found: 23 Corr. Area 1: 1,192.5
 Noise: 0.3

Peak table for sample 11 : 19-Maggie Library (1:10)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	280	80.49	435.3		67.74
3	301	52.58	264.7		69.63
4	314	36.00	173.5		70.71
5	324	46.86	218.8		71.51
6	334	46.42	210.3		72.31
7	349	43.18	187.6		73.46
8	359	75.03	316.2		74.31
9	374	95.47	387.0		75.46
10	398	73.11	278.3		77.40
11	427	80.45	285.4		79.11
12	450	217.58	732.6		80.43
13	496	302.52	924.6		83.06
14	543	63.64	177.6		85.29
15	562	307.52	829.7		86.14
16	589	93.19	239.8		87.40
17	646	225.24	528.4		89.40
18	681	143.69	319.7		90.54
19	804	86.25	162.6		92.60
20	956	238.62	378.2		94.71
21	1,277	54.81	65.0		97.06
22	1,442	29.98	31.5		98.09
23	1,891	9.19	7.4		100.89
24	1,983	6.41	4.9		101.46
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-23\2017-01-23_003.xad

Created: 1/23/2017 1:41:18 PM
Modified: 1/24/2017 1:46:23 PM

Electropherogram Summary Continued ...

... Region table for sample 11 : 19-Maggie Library (1:10)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	560	1,192.5	7,875.7	■ 2,504.04	90	31.7

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-23\2017-01-23_003.xad

Created: 1/23/2017 1:41:18 PM
Modified: 1/24/2017 1:46:23 PM

Gel Image

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-01-23\2017-01-23_003.xad

Created: 1/23/2017 1:41:18 PM
 Modified: 1/24/2017 1:46:23 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		1/23/2017 2:21:46 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2017-01-23\2017-01-23_003.xad)		Instrument	Run		1/23/2017 1:41:23 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		1/23/2017 1:41:23 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		1/23/2017 1:41:23 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		1/23/2017 1:41:23 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		1/23/2017 1:41:23 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		1/23/2017 1:41:23 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		1/23/2017 1:41:23 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1