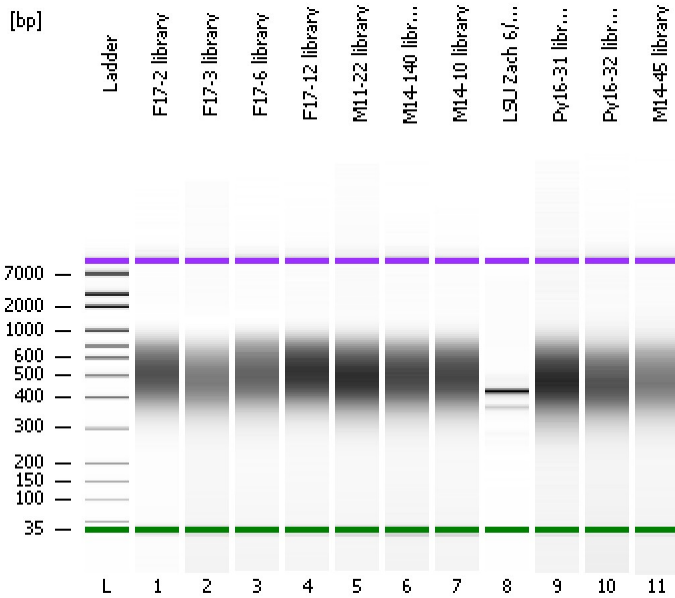


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ibraries9-15_HiSeq995-Libraries12-14_LSUZach6-9-Library.xad

Created: 6/20/2017 10:12:23 AM
 Modified: 6/20/2017 11:03:49 AM

Electrophoresis File Run Summary



Instrument Information:

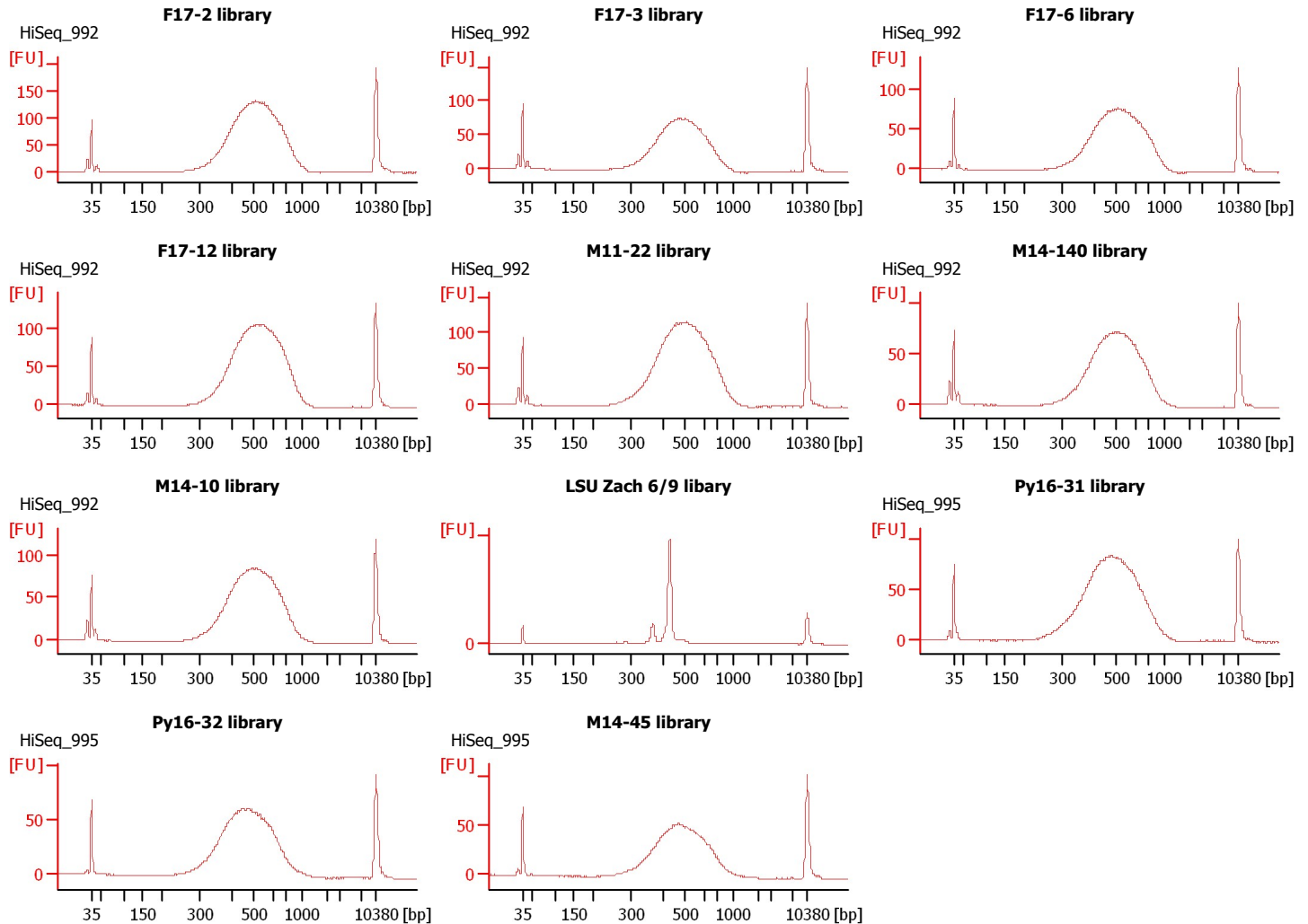
Instrument Name: DE13701086 Firmware: C.01.069
 Serial#: DE13701086 Type: G2938B

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ibraries9-15_HiSeq995-Libraries12-14_LSUZach6-9-Library.xad

Created: 6/20/2017 10:12:23 AM
 Modified: 6/20/2017 11:03:49 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
F17-2 library	HiSeq_992	<input type="checkbox"/>	✓			
F17-3 library	HiSeq_992	<input type="checkbox"/>	✓			
F17-6 library	HiSeq_992	<input type="checkbox"/>	✓			
F17-12 library	HiSeq_992	<input type="checkbox"/>	✓			
M11-22 library	HiSeq_992	<input type="checkbox"/>	✓			
M14-140 library	HiSeq_992	<input type="checkbox"/>	✓			
M14-10 library	HiSeq_992	<input type="checkbox"/>	✓			
LSU Zach 6/9 library		<input type="checkbox"/>	✓			
Py16-31 library	HiSeq_995	<input type="checkbox"/>	✓			
Py16-32 library	HiSeq_995	<input type="checkbox"/>	✓			
M14-45 library	HiSeq_995	<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

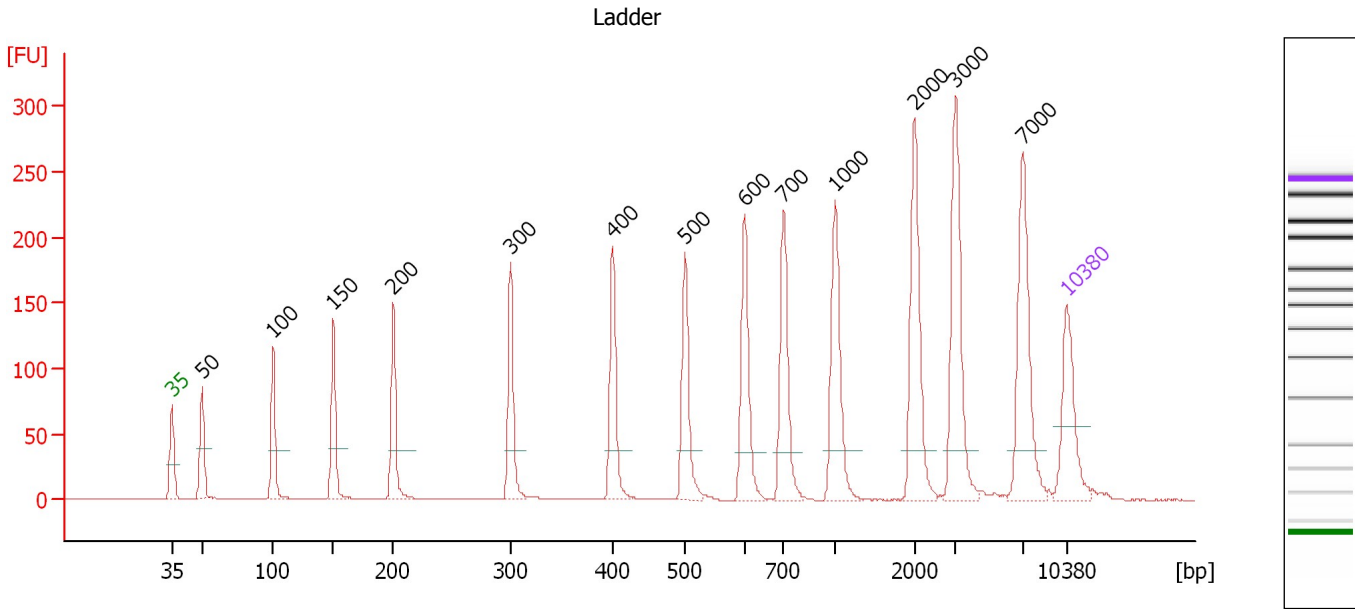
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ibraries9-15_HiSeq995-Libraries12-14_LSUZach6-9-Library.xad

Created: 6/20/2017 10:12:23 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

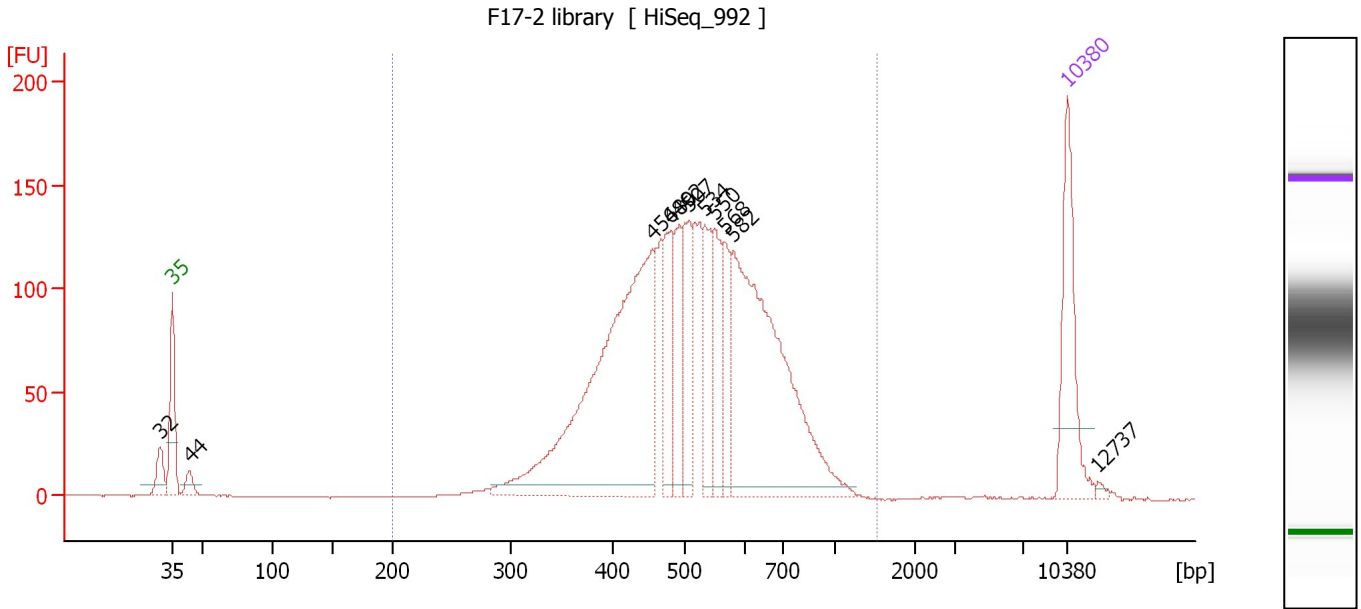
Peak table for Ladder

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	45.34
3	100	150.00	2,272.7	Ladder Peak	50.90
4	150	150.00	1,515.2	Ladder Peak	55.62
5	200	150.00	1,136.4	Ladder Peak	60.30
6	300	150.00	757.6	Ladder Peak	69.49
7	400	150.00	568.2	Ladder Peak	77.47
8	500	150.00	454.5	Ladder Peak	83.12
9	600	150.00	378.8	Ladder Peak	87.80
10	700	150.00	324.7	Ladder Peak	90.83
11	1,000	150.00	227.3	Ladder Peak	94.87
12	2,000	150.00	113.6	Ladder Peak	101.07
13	3,000	150.00	75.8	Ladder Peak	104.28
14	7,000	150.00	32.5	Ladder Peak	109.51
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ibraries9-15_HiSeq995-Libraries12-14_LSUZach6-9-Library.xad

Created: 6/20/2017 10:12:23 AM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : F17-2 library

Number of peaks found: 11 Corr. Area 1: 2,425.9
 Noise: 0.2

Peak table for sample 1 : F17-2 library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.06
2	35	125.00	5,411.3	Lower Marker	43.00
3	44	17.08	592.2		44.36
4	456	456.58	1,517.9		80.62
5	480	72.62	229.3		81.98
6	492	64.70	199.2		82.68
7	507	69.13	206.7		83.43
8	534	65.22	185.2		84.69
9	550	58.14	160.3		85.44
10	568	47.01	125.5		86.28
11	582	342.59	892.5		86.94
12	10,380	75.00	10.9	Upper Marker	113.00
13	12,737	0.00	0.0		115.43

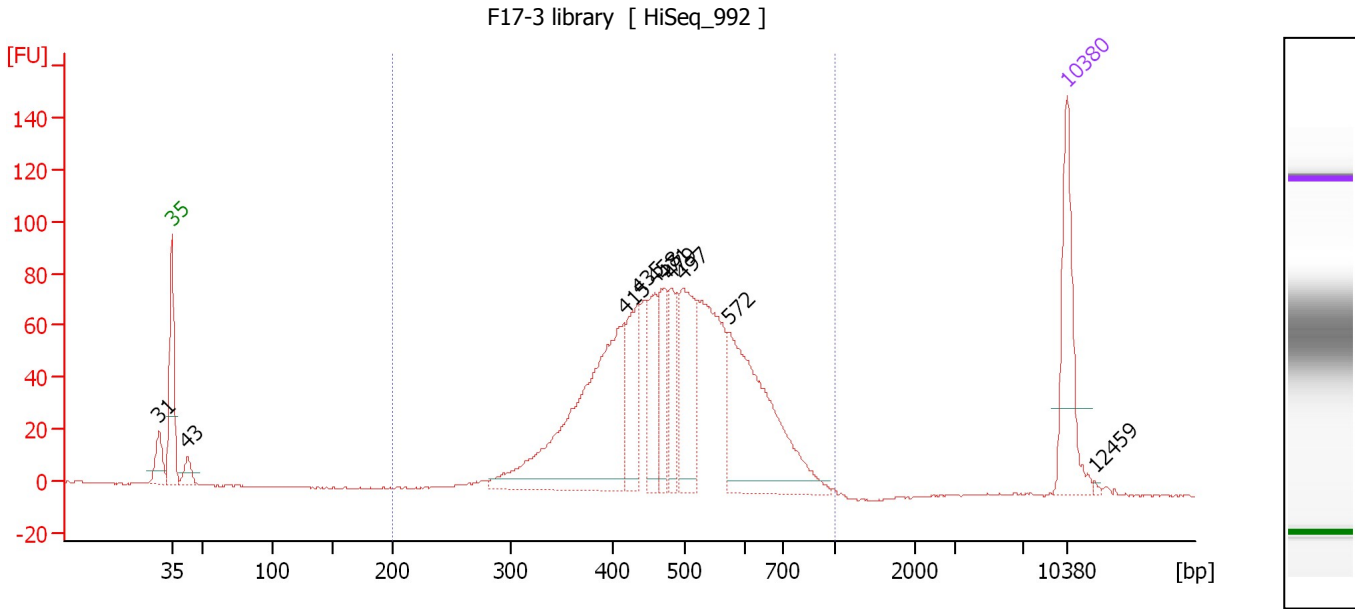
Region table for sample 1 : F17-2 library

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,528	525	2,425.9	4,257.6	1,365.84	97	25.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ibraries9-15_HiSeq995-Libraries12-14_LSUZach6-9-Library.xad

Created: 6/20/2017 10:12:23 AM
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Electropherogram Summary Continued ...



Overall Results for sample 2 : F17-3 library

Number of peaks found: 10 Corr. Area 1: 1,348.2
 Noise: 0.3

Peak table for sample 2 : F17-3 library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.95
2	35	125.00	5,411.3	Lower Marker	43.00
3	43	20.46	726.9		44.19
4	415	292.92	1,068.8		78.33
5	435	79.57	277.4		79.43
6	458	60.52	200.0		80.77
7	471	58.16	187.1		81.48
8	479	46.92	148.3		81.96
9	497	105.20	320.6		82.96
10	572	209.08	553.8		86.49
11	10,380	75.00	10.9	Upper Marker	113.00
12	12,459	0.00	0.0		115.15

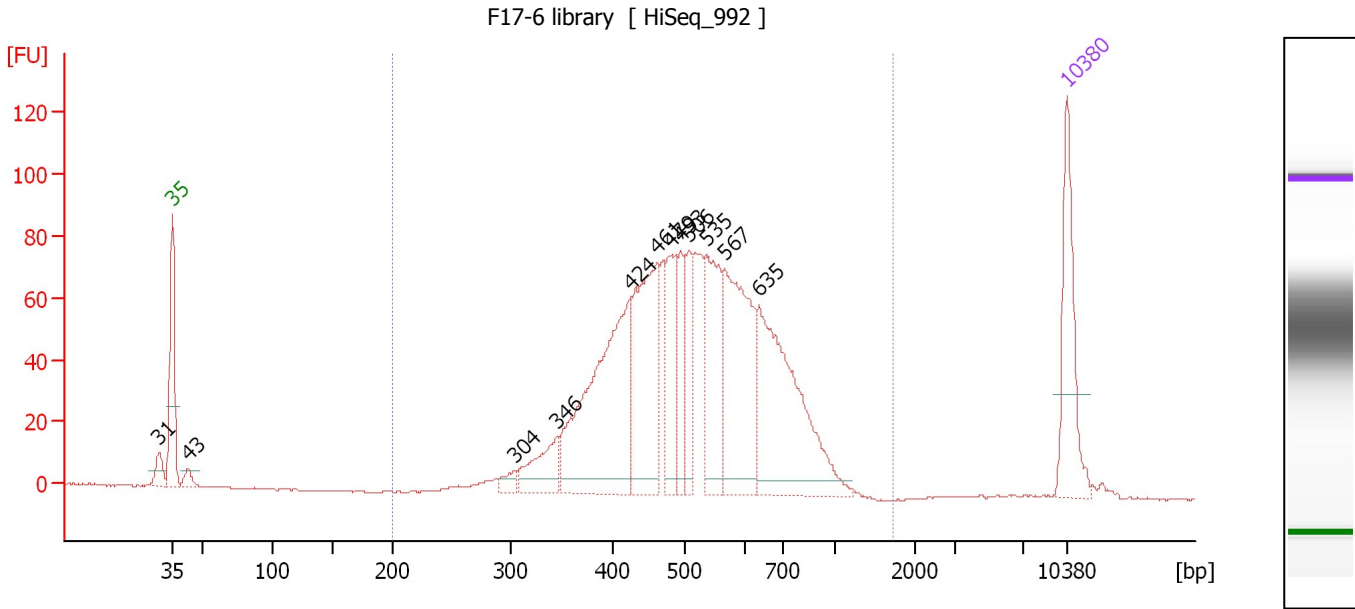
Region table for sample 2 : F17-3 library

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	492	1,348.2	3,412.4	1,044.10	97	21.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ibraries9-15_HiSeq995-Libraries12-14_LSUZach6-9-Library.xad

Created: 6/20/2017 10:12:23 AM
 Modified: 6/20/2017 11:03:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : F17-6 library

Number of peaks found: 12 Corr. Area 1: 1,451.3
 Noise: 0.3

Peak table for sample 3 : F17-6 library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.98
2	35	125.00	5,411.3	Lower Marker	43.00
3	43	13.68	484.9		44.21
4	304	13.56	67.6		69.79
5	346	54.69	239.7		73.13
6	424	264.21	943.3		78.85
7	461	178.13	585.1		80.93
8	479	75.96	240.1		81.95
9	493	59.30	182.3		82.72
10	506	54.48	163.1		83.40
11	535	107.87	305.5		84.76
12	567	176.29	471.0		86.26
13	635	218.22	520.3		88.88
14	10,380	75.00	10.9	Upper Marker	113.00

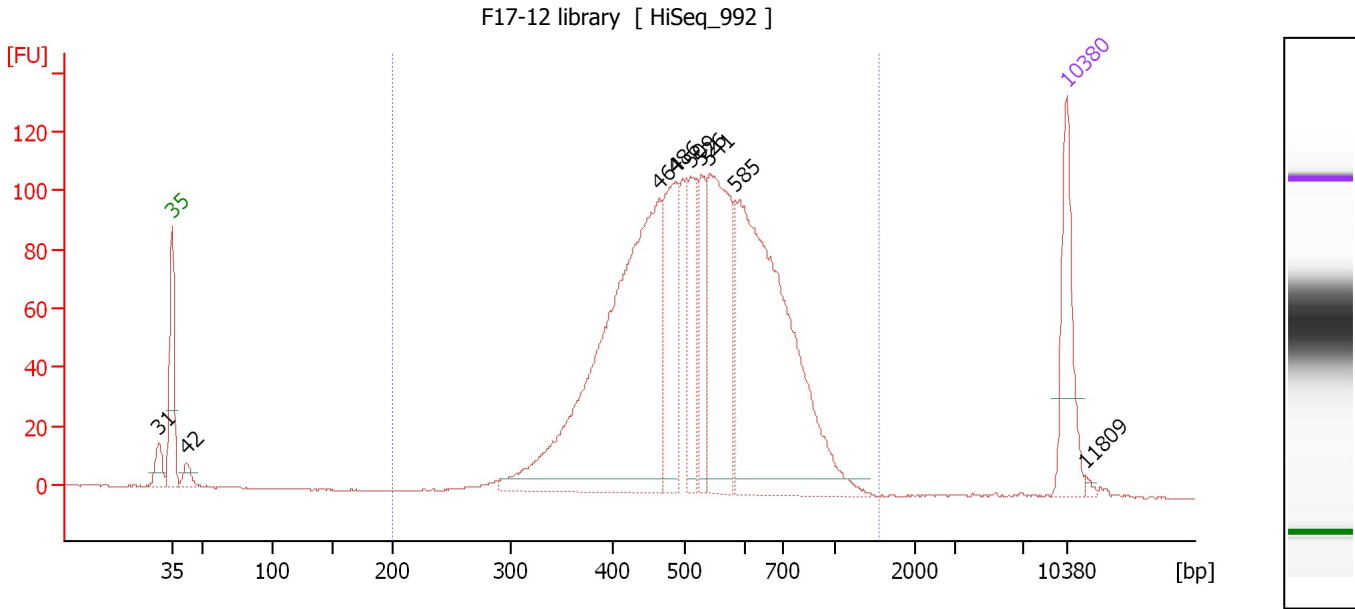
Region table for sample 3 : F17-6 library

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,726	527	1,451.3	4,043.2	1,299.46	98	25.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ibraries9-15_HiSeq995-Libraries12-14_LSUZach6-9-Library.xad

Created: 6/20/2017 10:12:23 AM
 Modified: 6/20/2017 11:03:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : F17-12 library

Number of peaks found: 9 Corr. Area 1: 1,966.9
 Noise: 0.2

Peak table for sample 4 : F17-12 library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.97
2	35	125.00	5,411.3	Lower Marker	43.00
3	42	17.95	643.7		44.13
4	464	592.03	1,932.4		81.10
5	486	149.68	466.7		82.33
6	509	94.97	282.5		83.55
7	526	71.15	204.9		84.34
8	541	218.85	613.1		85.03
9	585	461.32	1,195.0		87.09
10	10,380	75.00	10.9	Upper Marker	113.00
11	11,809	0.00	0.0		114.47

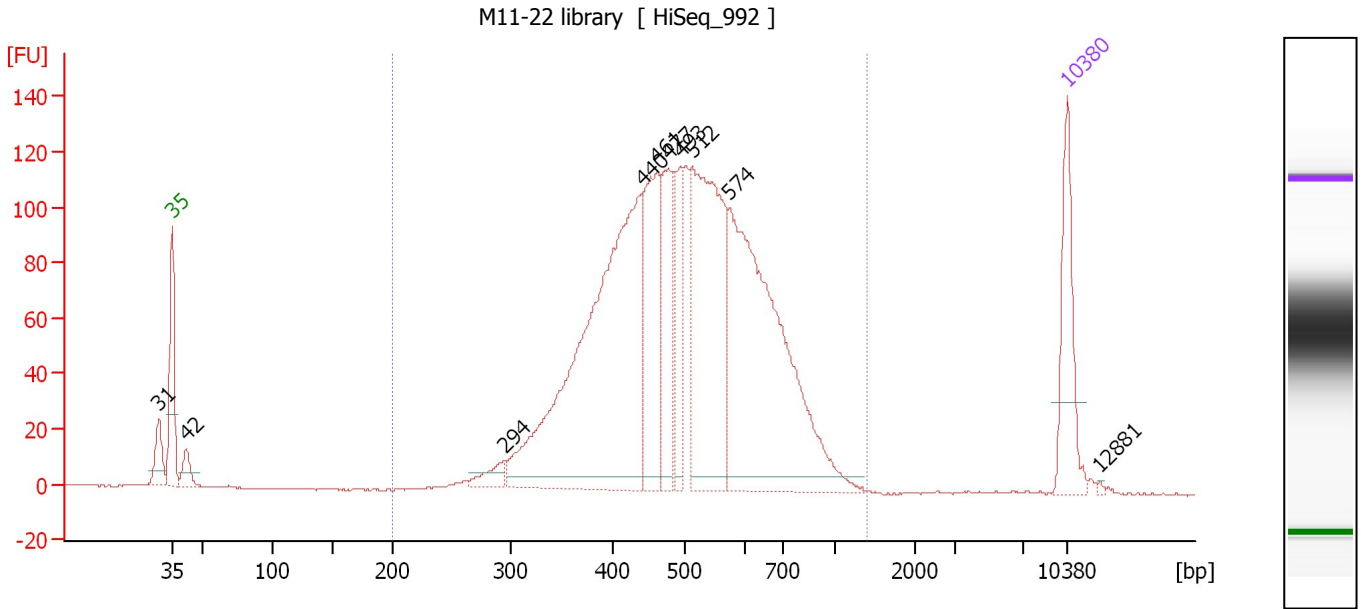
Region table for sample 4 : F17-12 library

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,548	538	1,966.9	5,141.4	1,691.46	98	25.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ibraries9-15_HiSeq995-Libraries12-14_LSUZach6-9-Library.xad

Created: 6/20/2017 10:12:23 AM
 Modified: 6/20/2017 11:03:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : M11-22 library

Number of peaks found: 10 Corr. Area 1: 2,237.4
 Noise: 0.2

Peak table for sample 5 : M11-22 library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.96
2	35	125.00	5,411.3	Lower Marker	43.00
3	42	27.79	1,002.4		44.09
4	294	23.43	120.6		68.96
5	440	599.71	2,064.5		79.74
6	461	170.98	561.7		80.93
7	477	108.05	343.2		81.82
8	493	77.64	238.7		82.72
9	512	323.16	957.1		83.66
10	574	452.93	1,195.3		86.59
11	10,380	75.00	10.9	Upper Marker	113.00
12	12,881	0.00	0.0		115.58

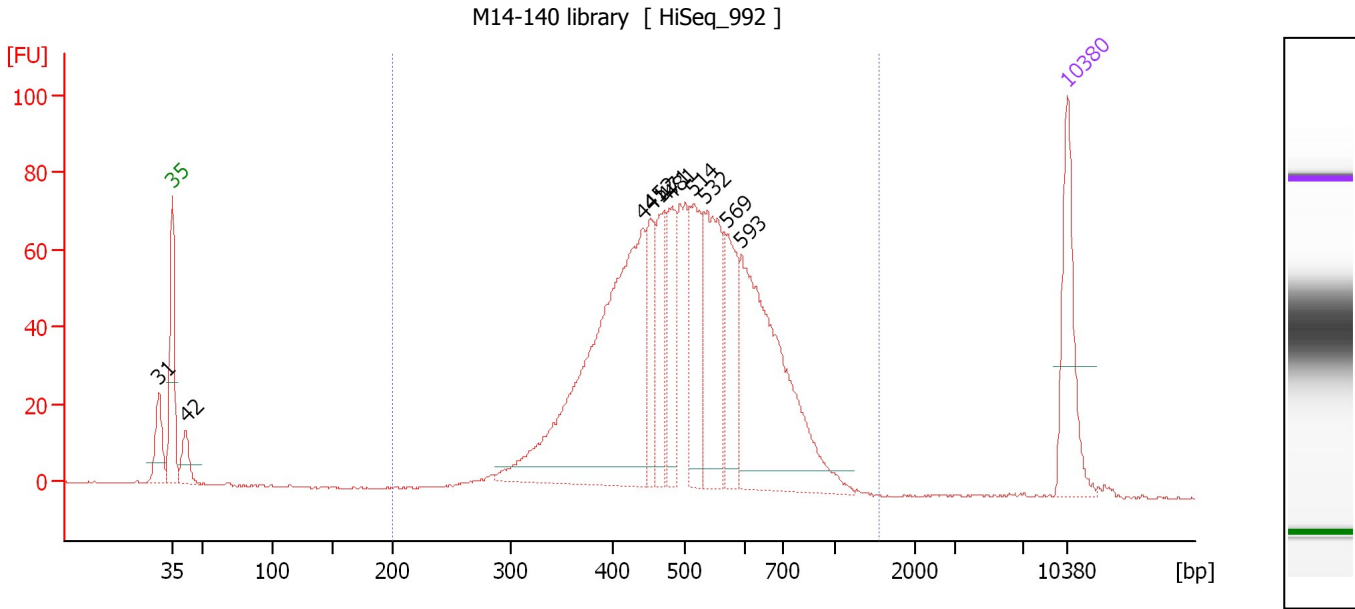
Region table for sample 5 : M11-22 library

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,391	511	2,237.4	6,012.6	1,870.69	97	25.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ibraries9-15_HiSeq995-Libraries12-14_LSUZach6-9-Library.xad

Created: 6/20/2017 10:12:23 AM
 Modified: 6/20/2017 11:03:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : M14-140 library

Number of peaks found: 10 Corr. Area 1: 1,356.4
 Noise: 0.2

Peak table for sample 6 : M14-140 library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.95
2	35	125.00	5,411.3	Lower Marker	43.00
3	42	35.82	1,301.1		44.05
4	441	459.27	1,577.4		79.79
5	452	65.58	219.9		80.39
6	471	75.82	243.8		81.49
7	481	67.52	212.7		82.04
8	514	107.49	316.7		83.78
9	532	135.65	386.1		84.63
10	569	79.33	211.4		86.33
11	593	278.37	711.2		87.47
12	10,380	75.00	10.9	Upper Marker	113.00

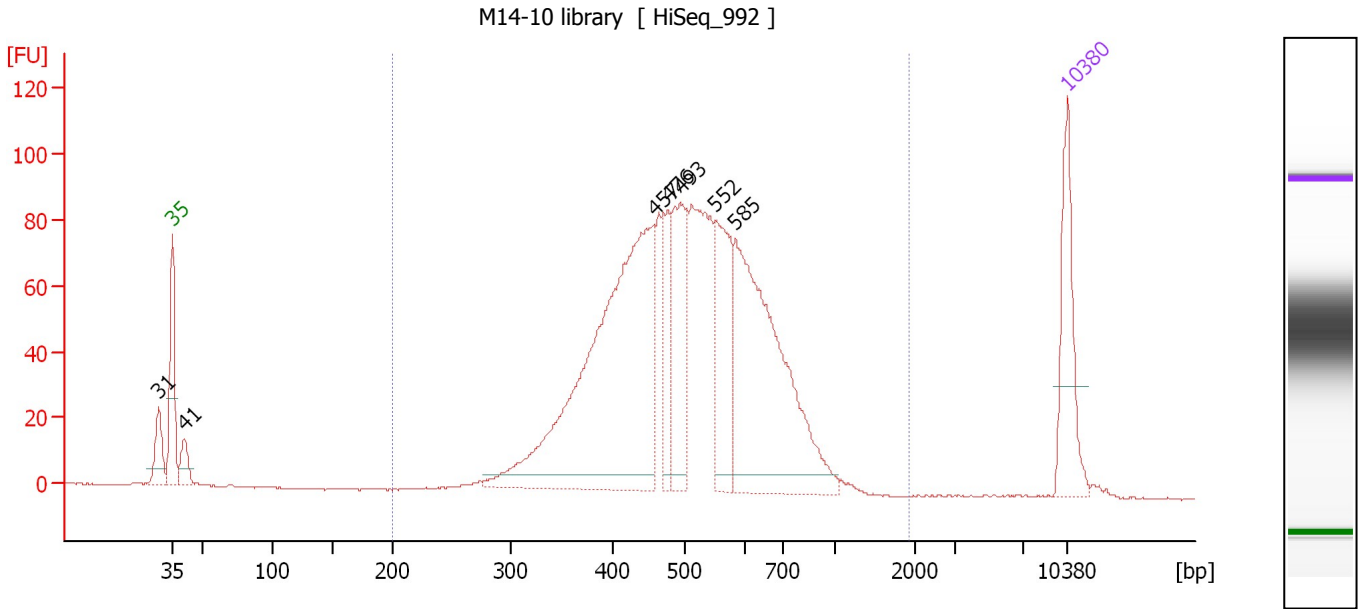
Region table for sample 6 : M14-140 library

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,553	513	1,356.4	4,650.3	1,461.43	96	24.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ibraries9-15_HiSeq995-Libraries12-14_LSUZach6-9-Library.xad

Created: 6/20/2017 10:12:23 AM
 Modified: 6/20/2017 11:03:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : M14-10 library

Number of peaks found: 7 Corr. Area 1: 1,596.8
 Noise: 0.2

Peak table for sample 7 : M14-10 library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.95
2	35	125.00	5,411.3	Lower Marker	43.00
3	41	31.72	1,169.5		43.95
4	457	547.34	1,815.6		80.68
5	476	64.88	206.4		81.78
6	493	130.68	401.5		82.73
7	552	124.13	341.0		85.53
8	585	332.72	862.3		87.08
9	10,380	75.00	10.9	Upper Marker	113.00

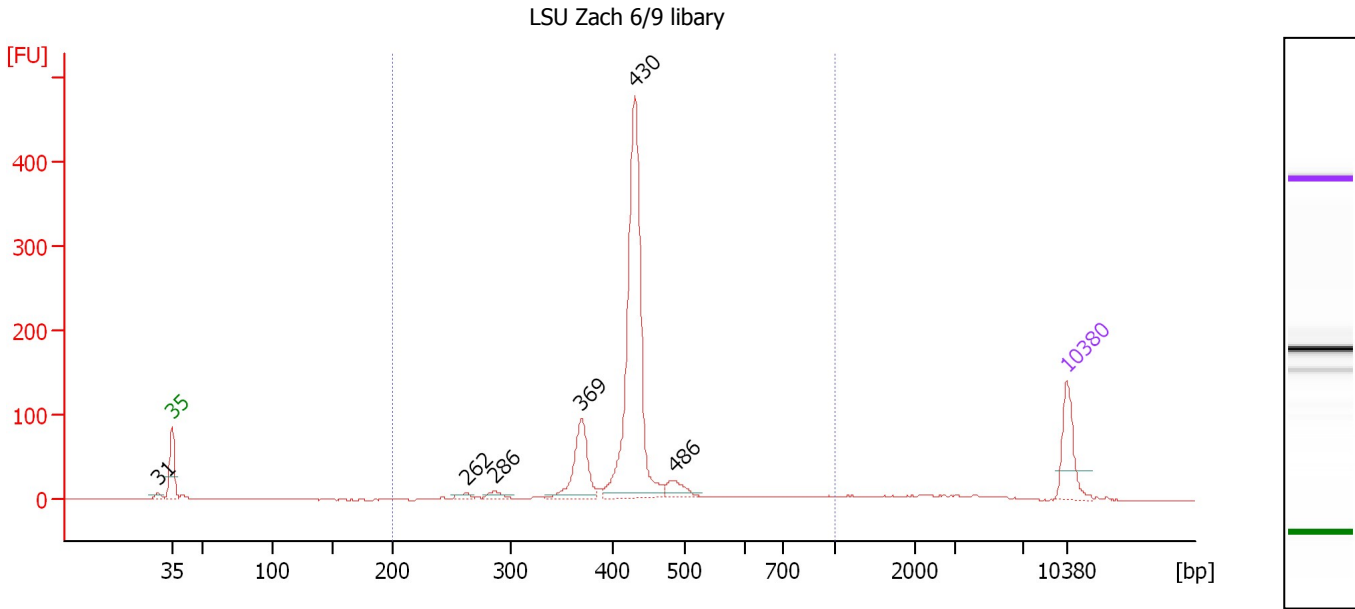
Region table for sample 7 : M14-10 library

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,942	516	1,596.8	4,771.6	1,506.31	96	24.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ibraries9-15_HiSeq995-Libraries12-14_LSUZach6-9-Library.xad

Created: 6/20/2017 10:12:23 AM
 Modified: 6/20/2017 11:03:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : LSU Zach 6/9 library

Number of peaks found: 6 Corr. Area 1: 1,046.4
 Noise: 0.2

Peak table for sample 8 : LSU Zach 6/9 library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.94
2	35	125.00	5,411.3	Lower Marker	43.00
3	262	13.41	77.4		66.03
4	286	17.53	92.9		68.20
5	369	141.12	579.3		75.00
6	430	621.53	2,188.4		79.18
7	486	35.47	110.7		82.31
8	10,380	75.00	10.9	Upper Marker	113.00

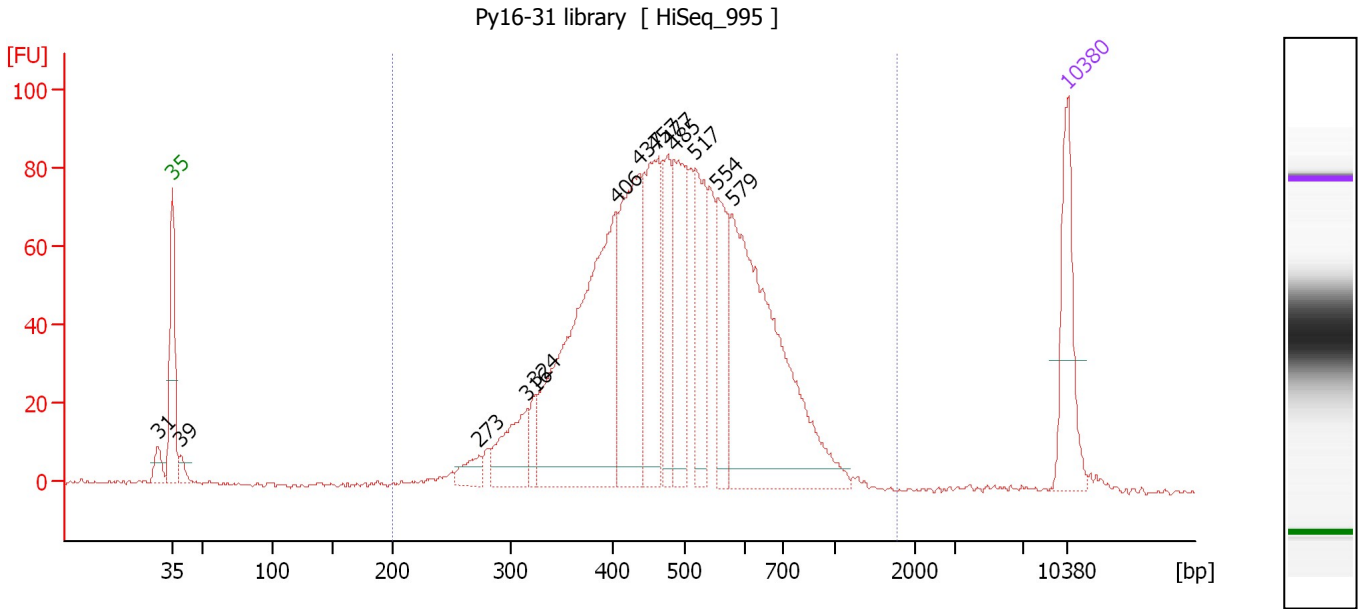
Region table for sample 8 : LSU Zach 6/9 library

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	431	1,046.4	3,258.0	894.67	93	18.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ibraries9-15_HiSeq995-Libraries12-14_LSUZach6-9-Library.xad

Created: 6/20/2017 10:12:23 AM
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Electropherogram Summary Continued ...



Overall Results for sample 9 : Py16-31 library

Number of peaks found: 13 Corr. Area 1: 1,700.0
 Noise: 0.5

Peak table for sample 9 : Py16-31 library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.88
2	35	125.00	5,411.3	Lower Marker	43.00
3	39	14.32	553.3		43.66
4	273	24.16	133.9		67.04
5	316	75.29	361.2		70.75
6	324	24.62	115.1		71.41
7	406	412.37	1,539.8		77.80
8	437	217.92	755.2		79.57
9	457	162.62	539.2		80.69
10	477	87.20	277.1		81.80
11	485	131.34	410.5		82.26
12	517	110.01	322.1		83.93
13	554	85.85	234.7		85.66
14	579	373.66	977.5		86.83
15	10,380	75.00	10.9	Upper Marker	113.00

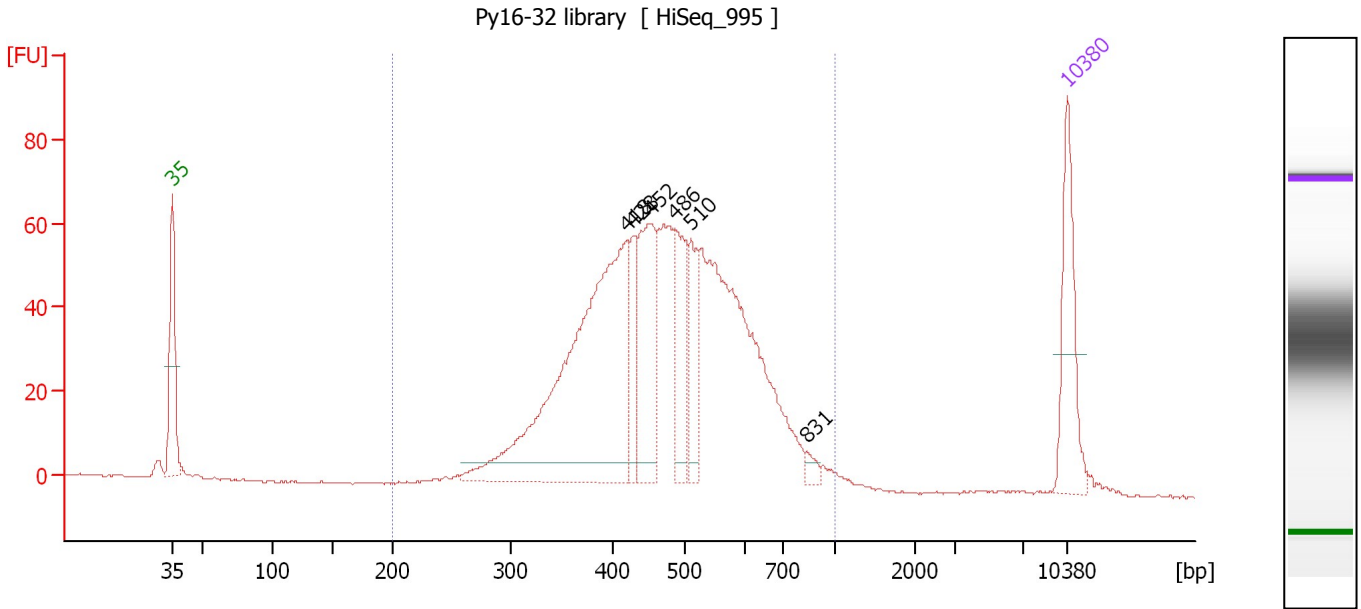
Region table for sample 9 : Py16-31 library

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,777	498	1,700.0	6,386.8	1,901.59	97	28.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ibraries9-15_HiSeq995-Libraries12-14_LSUZach6-9-Library.xad

Created: 6/20/2017 10:12:23 AM
 Modified: 6/20/2017 11:03:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Py16-32 library

Number of peaks found: 6 Corr. Area 1: 1,169.7
 Noise: 0.2

Peak table for sample 10 : Py16-32 library

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	418	475.38	1,723.2		78.49
3	428	59.03	209.0		79.05
4	452	138.51	464.7		80.38
5	486	87.54	272.9		82.33
6	510	65.47	194.7		83.56
7	831	8.49	15.5		92.59
8	10,380	75.00	10.9	Upper Marker	113.00

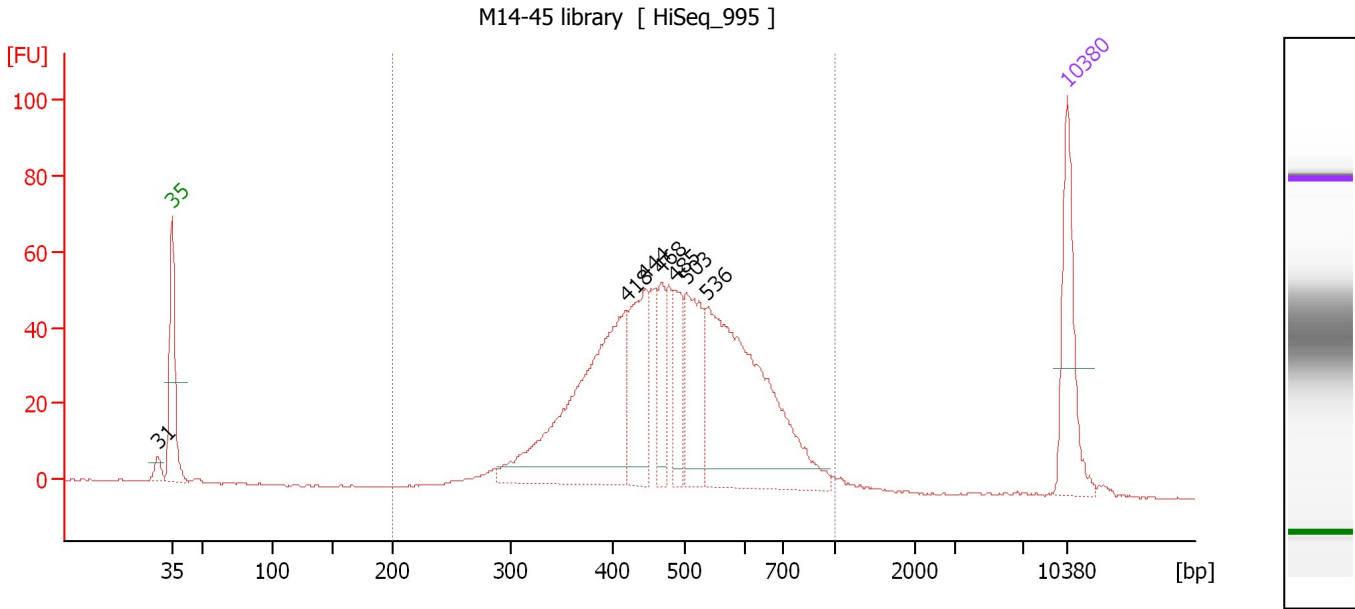
Region table for sample 10 : Py16-32 library

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	482	1,169.7	4,740.1	1,401.15	98	23.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ibraries9-15_HiSeq995-Libraries12-14_LSUZach6-9-Library.xad

Created: 6/20/2017 10:12:23 AM
 Modified: 6/20/2017 11:03:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : M14-45 library

Number of peaks found: 7 Corr. Area 1: 985.4
 Noise: 0.2

Peak table for sample 11 : M14-45 library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.86
2	35	125.00	5,411.3	Lower Marker	43.00
3	418	305.03	1,105.4		78.49
4	444	111.56	380.8		79.95
5	468	48.05	155.6		81.30
6	485	53.09	165.7		82.29
7	503	100.41	302.2		83.27
8	536	325.63	921.3		84.78
9	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 11 : M14-45 library

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	494	985.4	3,594.4	1,085.56	98	24.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ibraries9-15_HiSeq995-Libraries12-14_LSUZach6-9-Library.xad

Created: 6/20/2017 10:12:23 AM
 Modified: 6/20/2017 11:03:49 AM

Gel Image

