

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-19\2017-05-19_002.xad

Created: 5/19/2017 11:53:20 AM
Modified: 5/19/2017 12:31:46 PM

Electrophoresis File Run Summary

Instrument Information:

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

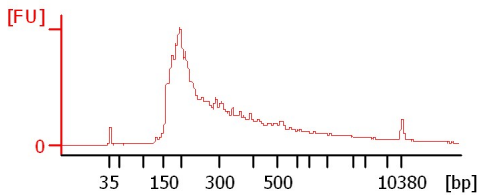
Assay Information:

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

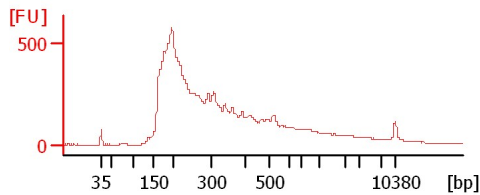
Chip Information:

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

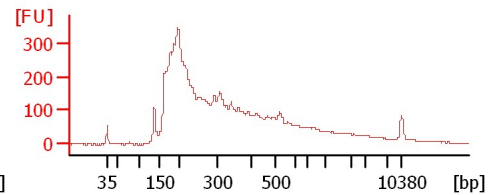
GBS_UC02202



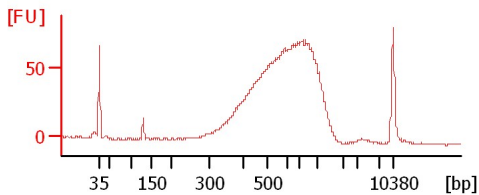
GBS_UC07105



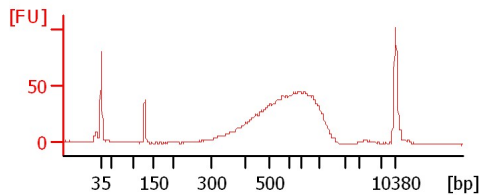
GBS_UC12100



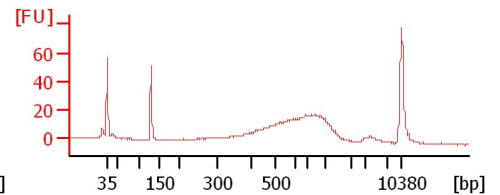
Keri_1_3



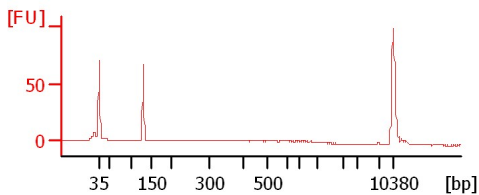
Keri_1_5



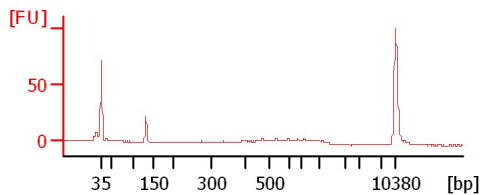
Keri_1_7



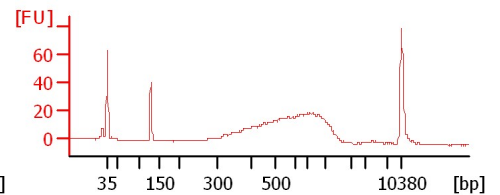
Keri_4_3



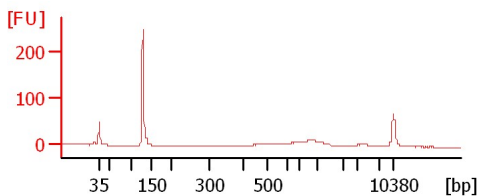
Keri_4_5



Keri_4_7



Keri_5



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
GBS_UC02202		<input type="checkbox"/>	✓			
GBS_UC07105		<input type="checkbox"/>	✓			
GBS_UC12100		<input type="checkbox"/>	✓			
Keri_1_3		<input type="checkbox"/>	✓			
Keri_1_5		<input type="checkbox"/>	✓			
Keri_1_7		<input type="checkbox"/>	✓			
Keri_4_3		<input type="checkbox"/>	✓			
Keri_4_5		<input type="checkbox"/>	✓			
Keri_4_7		<input type="checkbox"/>	✓			
Keri_5		<input type="checkbox"/>	✓			
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

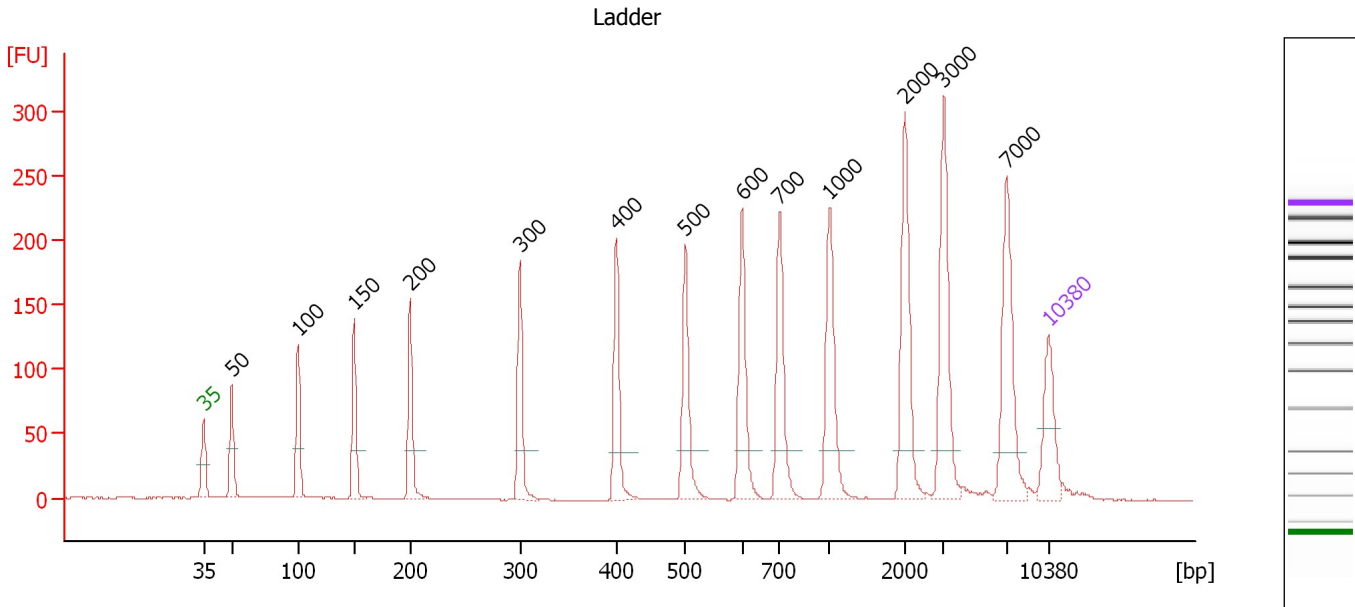
Reagent Kit Lot #

Chip Comments :

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

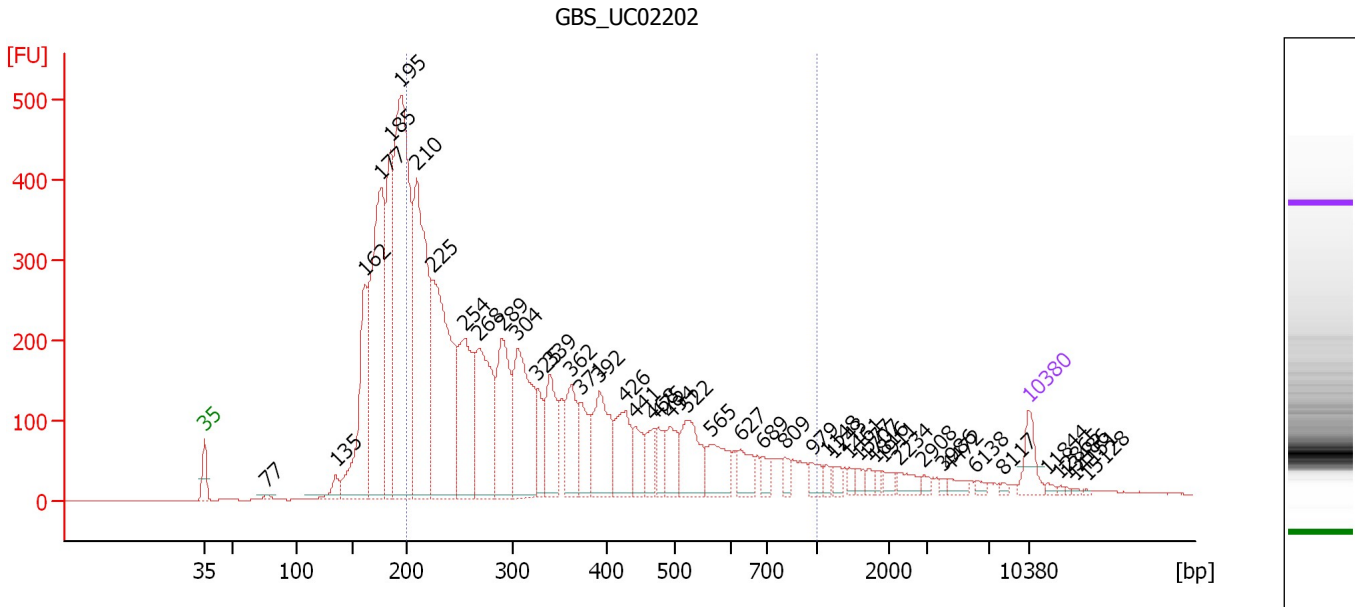
Peak table for Ladder

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	50.82
4	150	150.00	1,515.2	Ladder Peak	55.51
5	200	150.00	1,136.4	Ladder Peak	60.15
6	300	150.00	757.6	Ladder Peak	69.21
7	400	150.00	568.2	Ladder Peak	77.20
8	500	150.00	454.5	Ladder Peak	82.91
9	600	150.00	378.8	Ladder Peak	87.63
10	700	150.00	324.7	Ladder Peak	90.73
11	1,000	150.00	227.3	Ladder Peak	94.88
12	2,000	150.00	113.6	Ladder Peak	101.11
13	3,000	150.00	75.8	Ladder Peak	104.34
14	7,000	150.00	32.5	Ladder Peak	109.55
15	10,380	75.00	10.9	Upper Marker	113.00

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Electropherogram Summary Continued ...



Overall Results for sample 1 : GBS_UC02202

Number of peaks found: 46 Corr. Area 1: 6,390.1
 Noise: 0.3

Peak table for sample 1 : GBS_UC02202

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	77	16.31	322.9		48.25
3	135	67.90	760.2		54.13
4	162	627.10	5,882.9		56.57
5	177	1,221.23	10,476.0		57.98
6	185	659.10	5,386.3		58.79
7	195	1,670.17	12,966.9		59.70
8	210	1,175.88	8,503.3		61.01
9	225	1,070.72	7,226.1		62.37
10	254	552.52	3,296.2		65.04
11	268	542.37	3,066.8		66.30
12	289	441.80	2,312.8		68.25
13	304	558.71	2,780.6		69.56
14	325	134.31	625.4		71.24
15	339	267.52	1,195.8		72.32
16	362	218.52	915.7		74.13
17	371	169.18	690.5		74.90
18	392	303.16	1,173.1		76.53
19	426	218.14	775.4		78.70
20	441	110.16	378.9		79.52
21	468	92.74	300.1		81.10
22	475	78.62	250.9		81.46
23	494	125.63	385.5		82.55
24	522	223.80	649.5		83.95
25	565	152.93	410.0		85.99

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Electropherogram Summary Continued ...

... Peak table for sample 1 : GBS UC02202

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	627	91.54	221.1		88.48
27	689	45.84	100.9		90.38
28	809	39.61	74.2		92.23
29	979	43.27	67.0		94.58
30	1,148	21.44	28.3		95.81
31	1,243	27.49	33.5		96.39
32	1,461	16.98	17.6		97.75
33	1,577	22.23	21.4		98.48
34	1,707	18.71	16.6		99.29
35	1,816	15.37	12.8		99.97
36	1,911	25.45	20.2		100.56
37	2,234	42.26	28.7		101.87
38	2,908	15.63	8.1		104.04
39	3,986	8.99	3.4		105.62
40	4,472	25.00	8.5		106.26
41	6,138	13.17	3.3		108.43
42	8,117	7.94	1.5		110.69
43	10,380	75.00	10.9	Upper Marker	113.00
44	11,844	0.00	0.0		114.49
45	12,865	0.00	0.0		115.53
46	13,486	0.00	0.0		116.17
47	14,151	0.00	0.0		116.85
48	15,128	0.00	0.0		117.84

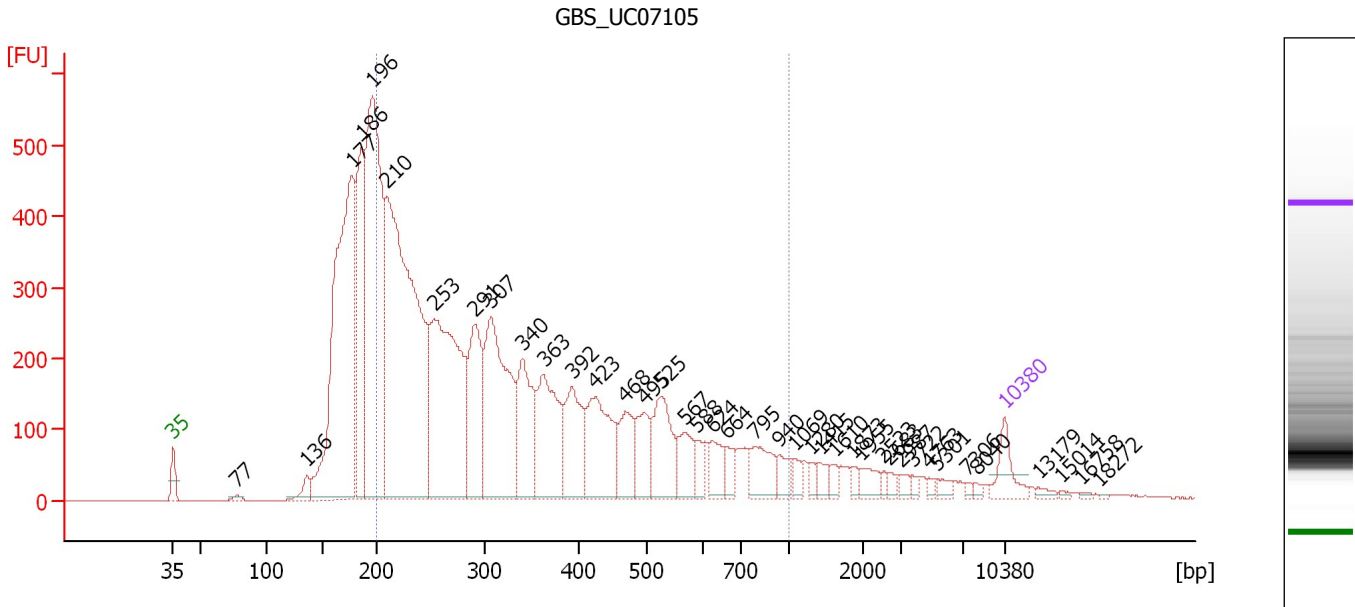
Region table for sample 1 : GBS UC02202

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	355	6,390.1	38,216.6	7,375.51	66	44.2

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Electropherogram Summary Continued ...



Overall Results for sample 2 : GBS_UC07105

Number of peaks found: 40 Corr. Area 1: 8,227.3
 Noise: 0.7

Peak table for sample 2 : GBS_UC07105

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	77	12.69	248.8		48.33
3	136	58.14	645.9		54.23
4	177	1,675.85	14,338.5		58.02
5	186	655.77	5,337.2		58.86
6	196	1,516.77	11,710.5		59.80
7	210	2,090.97	15,116.3		61.01
8	253	1,147.95	6,875.6		64.95
9	291	426.48	2,219.1		68.41
10	307	760.94	3,755.7		69.76
11	340	349.00	1,553.7		72.43
12	363	412.72	1,724.8		74.21
13	392	288.47	1,113.9		76.60
14	423	356.35	1,276.5		78.51
15	468	182.36	590.2		81.09
16	495	148.28	453.7		82.63
17	525	261.75	755.6		84.08
18	567	119.37	318.7		86.09
19	588	50.22	129.3		87.08
20	624	91.19	221.3		88.39
21	664	58.14	132.7		89.60
22	795	128.71	245.4		92.04
23	940	55.90	90.1		94.05
24	1,069	29.47	41.8		95.31
25	1,280	23.08	27.3		96.62

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Electropherogram Summary Continued ...

... Peak table for sample 2 : GBS UC07105

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,415	32.41	34.7		97.47
27	1,610	24.53	23.1		98.68
28	1,873	20.64	16.7		100.32
29	1,955	45.14	35.0		100.83
30	2,523	13.76	8.3		102.80
31	2,683	17.90	10.1		103.31
32	2,987	20.33	10.3		104.30
33	3,722	14.02	5.7		105.28
34	4,763	10.93	3.5		106.64
35	5,301	21.07	6.0		107.34
36	7,306	8.48	1.8		109.86
37	8,040	10.06	1.9		110.61
38	10,380	75.00	10.9	Upper Marker	113.00
39	13,179	0.00	0.0		115.85
40	15,014	0.00	0.0		117.73
41	16,758	0.00	0.0		119.50
42	18,272	0.00	0.0		121.05

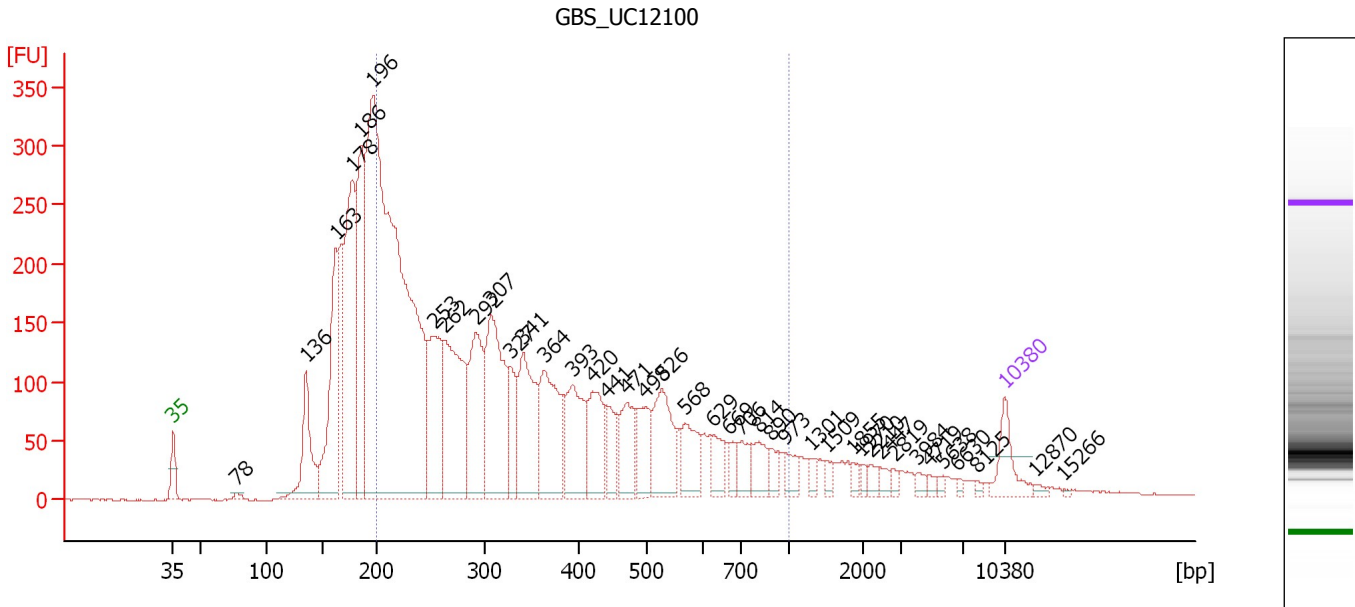
Region table for sample 2 : GBS UC07105

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	364	8,227.3	37,871.9	7,425.86	68	44.5

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Electropherogram Summary Continued ...



Overall Results for sample 3 : GBS_UC12100

Number of peaks found: 40 Corr. Area 1: 4,899.8
 Noise: 0.6

Peak table for sample 3 : GBS_UC12100

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	78	11.08	216.3		48.37
3	136	253.87	2,835.2		54.16
4	163	459.84	4,277.2		56.70
5	178	676.04	5,758.8		58.09
6	186	527.83	4,308.7		58.81
7	196	2,725.54	21,020.8		59.82
8	253	350.70	2,100.6		64.94
9	262	495.86	2,862.4		65.81
10	292	327.64	1,699.5		68.49
11	307	466.48	2,300.6		69.78
12	327	129.31	599.2		71.36
13	341	314.66	1,399.1		72.47
14	364	312.86	1,304.0		74.29
15	393	218.85	844.0		76.63
16	420	193.76	698.6		78.36
17	441	92.60	317.9		79.56
18	471	137.07	441.2		81.23
19	498	133.09	405.2		82.77
20	526	204.98	589.9		84.16
21	568	117.95	314.6		86.12
22	629	67.70	163.2		88.52
23	669	35.64	80.7		89.76
24	706	60.10	128.9		90.82
25	814	71.05	132.3		92.30

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Electropherogram Summary Continued ...

... Peak table for sample 3 : GBS UC12100

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	890	35.07	59.7		93.36
27	973	41.87	65.2		94.51
28	1,301	21.19	24.7		96.76
29	1,509	19.02	19.1		98.05
30	1,855	17.60	14.4		100.21
31	1,970	13.58	10.4		100.93
32	2,210	17.94	12.3		101.79
33	2,447	18.14	11.2		102.56
34	2,819	11.96	6.4		103.75
35	3,984	14.48	5.5		105.62
36	4,719	11.77	3.8		106.58
37	5,638	9.46	2.5		107.78
38	6,630	7.02	1.6		109.07
39	8,125	5.90	1.1		110.70
40	10,380	75.00	10.9	Upper Marker	113.00
41	12,870	0.00	0.0		115.54
42	15,266	0.00	0.0		117.98

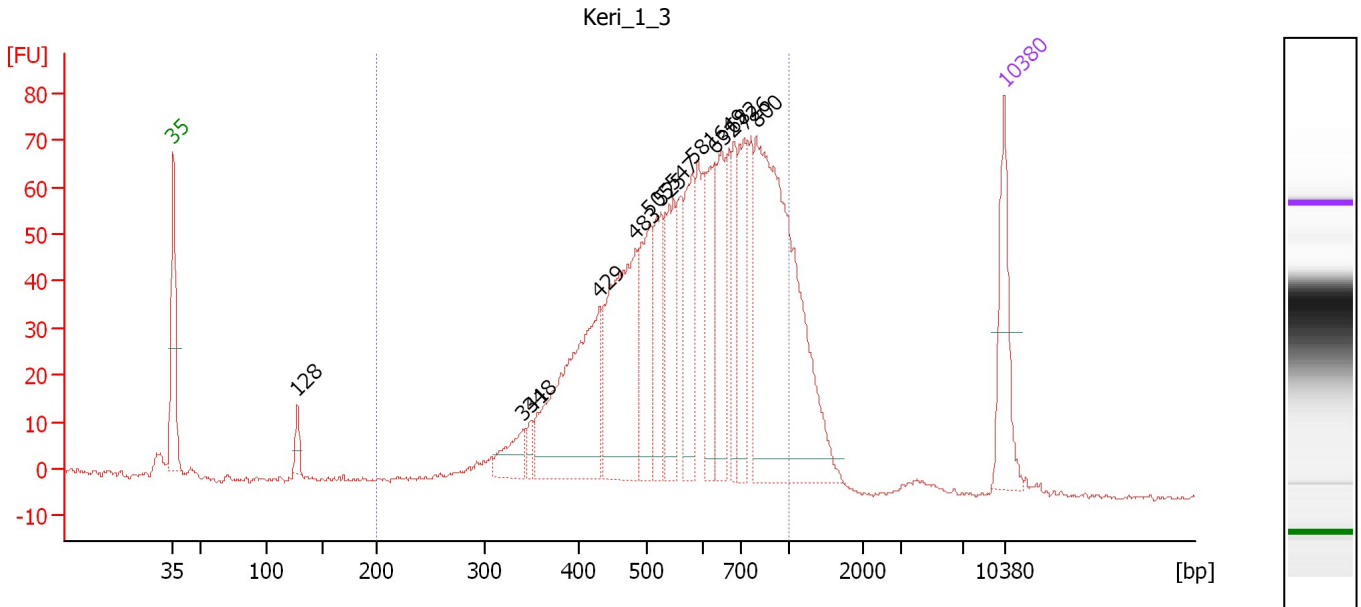
Region table for sample 3 : GBS UC12100

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	372	4,899.8	29,084.6	5,800.46	66	44.2

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Electropherogram Summary Continued ...



Overall Results for sample 4 : Keri_1_3

Number of peaks found: 14 Corr. Area 1: 1,349.7
 Noise: 0.5

Peak table for sample 4 : Keri_1_3

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	128	22.90	271.1		53.44
3	341	43.03	191.2		72.49
4	348	16.19	70.5		73.02
5	429	263.82	932.1		78.85
6	483	240.83	756.2		81.91
7	505	109.55	328.9		83.12
8	525	85.49	246.6		84.10
9	547	95.69	265.2		85.12
10	581	99.13	258.7		86.72
11	632	91.78	220.1		88.61
12	649	95.18	222.2		89.15
13	682	70.95	157.6		90.17
14	726	98.40	205.3		91.09
15	800	453.76	859.4		92.11
16	10,380	75.00	10.9	Upper Marker	113.00

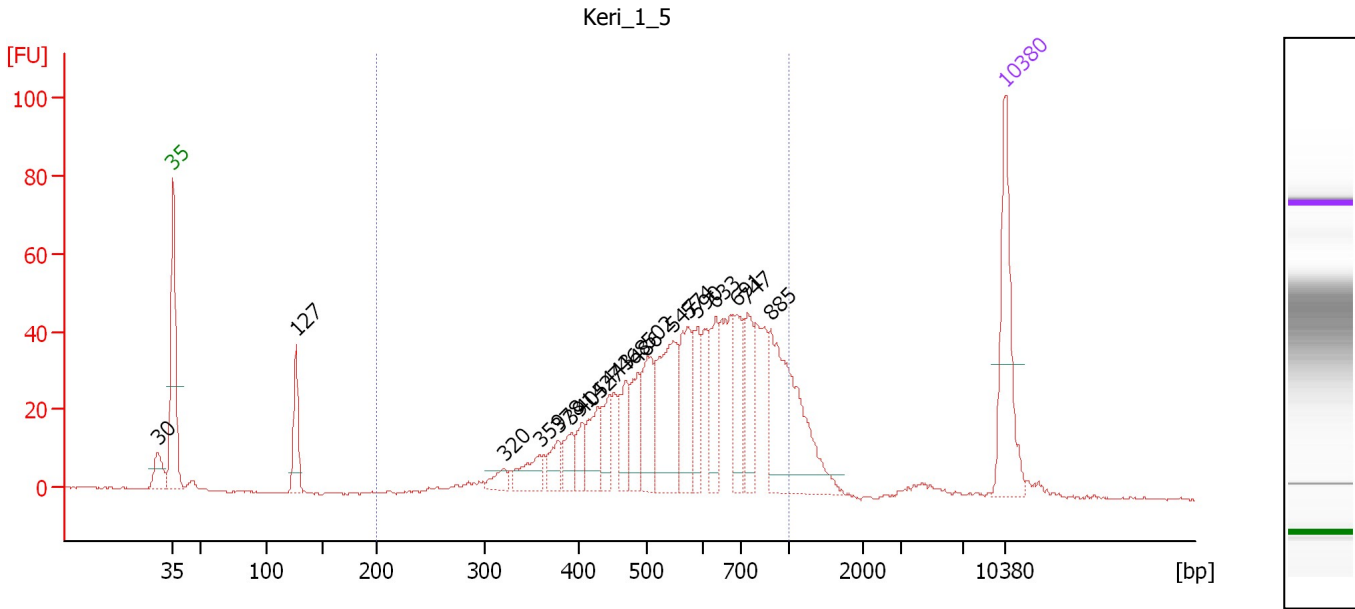
Region table for sample 4 : Keri_1_3

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	603	1,349.7	5,409.4	1,929.90	90	28.0

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Electropherogram Summary Continued ...



Overall Results for sample 5 : Keri_1_5

Number of peaks found: 19 Corr. Area 1: 844.6
 Noise: 0.3

Peak table for sample 5 : Keri_1_5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	30	0.00	0.0		41.67
2	35	125.00	5,411.3	Lower Marker	43.00
3	127	51.27	612.0		53.34
4	320	14.37	68.0		70.83
5	359	29.46	124.5		73.89
6	378	21.09	84.6		75.41
7	391	22.15	85.8		76.50
8	405	20.60	77.1		77.48
9	427	35.45	125.7		78.76
10	443	28.17	96.4		79.65
11	468	34.08	110.4		81.08
12	486	38.57	120.2		82.11
13	502	52.79	159.3		83.00
14	547	93.53	259.2		85.12
15	574	58.00	153.1		86.40
16	590	37.59	96.6		87.14
17	633	46.25	110.6		88.67
18	691	46.16	101.3		90.44
19	747	47.05	95.5		91.37
20	885	137.97	236.1		93.30
21	10,380	75.00	10.9	Upper Marker	113.00

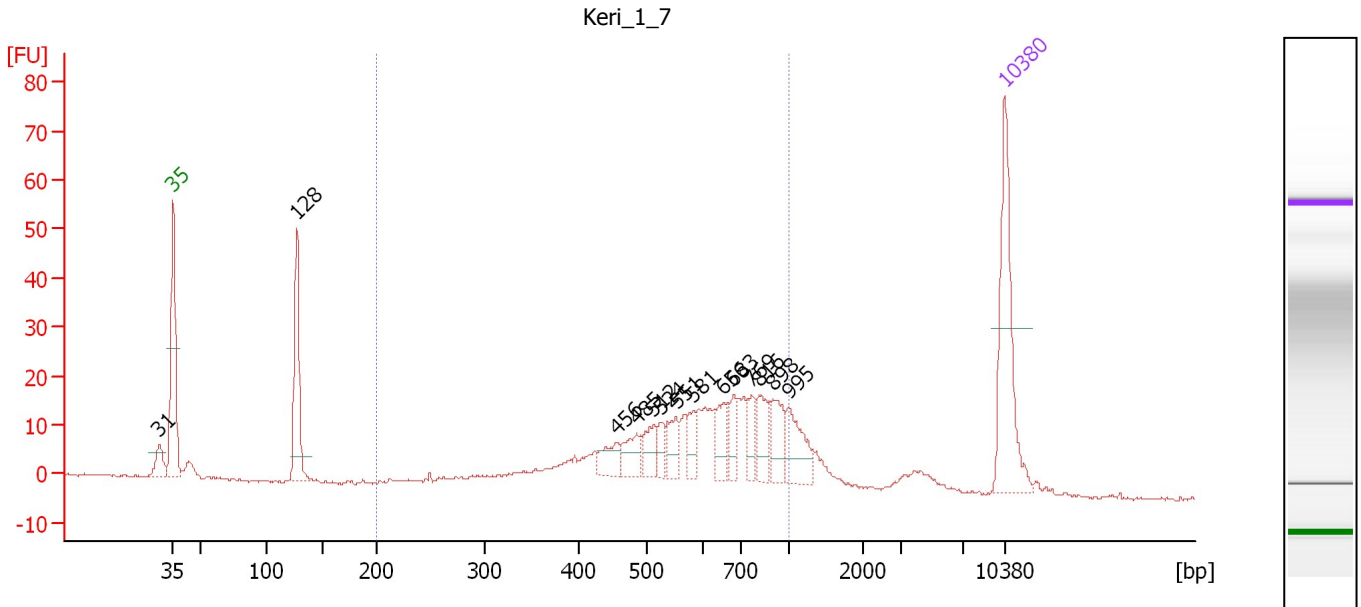
Region table for sample 5 : Keri_1_5

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	599	844.6	2,631.1	930.03	85	28.0

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Electropherogram Summary Continued ...



Overall Results for sample 6 : Keri_1_7

Number of peaks found: 14 Corr. Area 1: 315.0
 Noise: 0.2

Peak table for sample 6 : Keri_1_7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.81
2	35	125.00	5,411.3	Lower Marker	43.00
3	128	88.79	1,054.0		53.41
4	456	18.21	60.5		80.38
5	485	20.11	62.8		82.07
6	512	20.20	59.8		83.45
7	524	11.22	32.4		84.05
8	551	20.15	55.4		85.34
9	581	14.67	38.3		86.73
10	656	22.49	52.0		89.35
11	683	16.62	36.9		90.20
12	769	15.17	29.9		91.68
13	816	23.79	44.2		92.33
14	898	26.51	44.7		93.47
15	995	32.10	48.9		94.81
16	10,380	75.00	10.9	Upper Marker	113.00

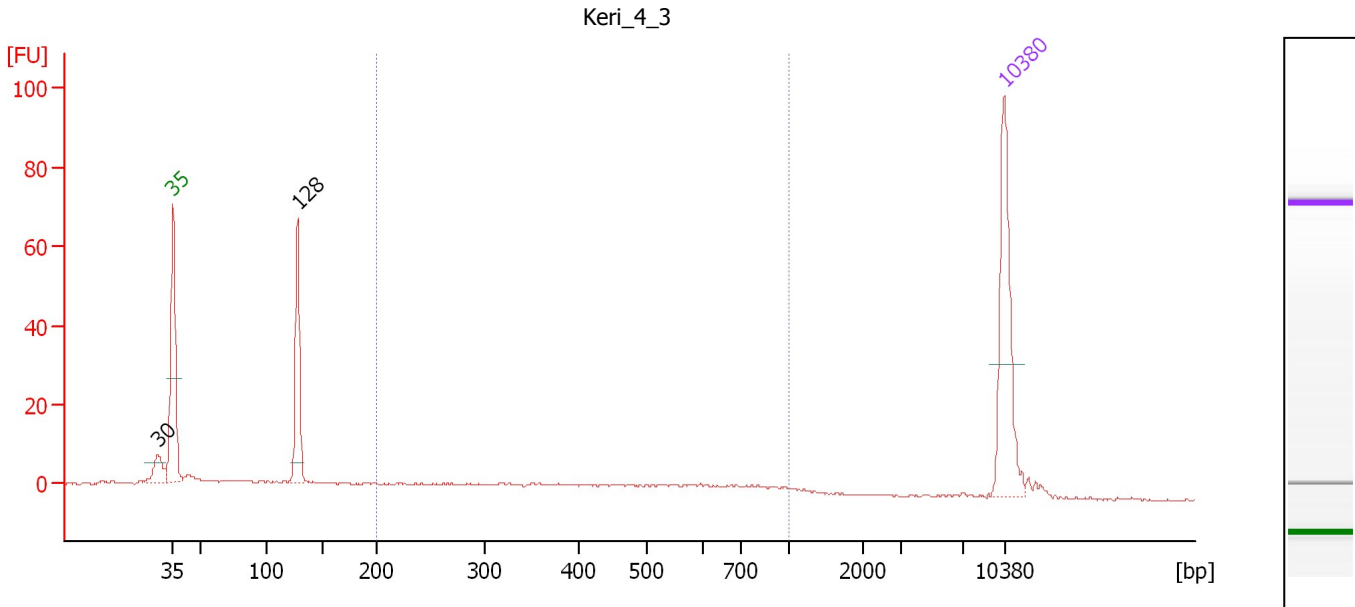
Region table for sample 6 : Keri_1_7

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	616	315.0	1,135.1	407.09	72	28.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-19\2017-05-19_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : Keri_4_3

Number of peaks found: 2 Corr. Area 1: 66.5
 Noise: 0.2

Peak table for sample 7 : Keri_4_3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	30	0.00	0.0		41.70
2	35	125.00	5,411.3	Lower Marker	43.00
3	128	89.45	1,056.6		53.47
4	10,380	75.00	10.9	Upper Marker	113.00

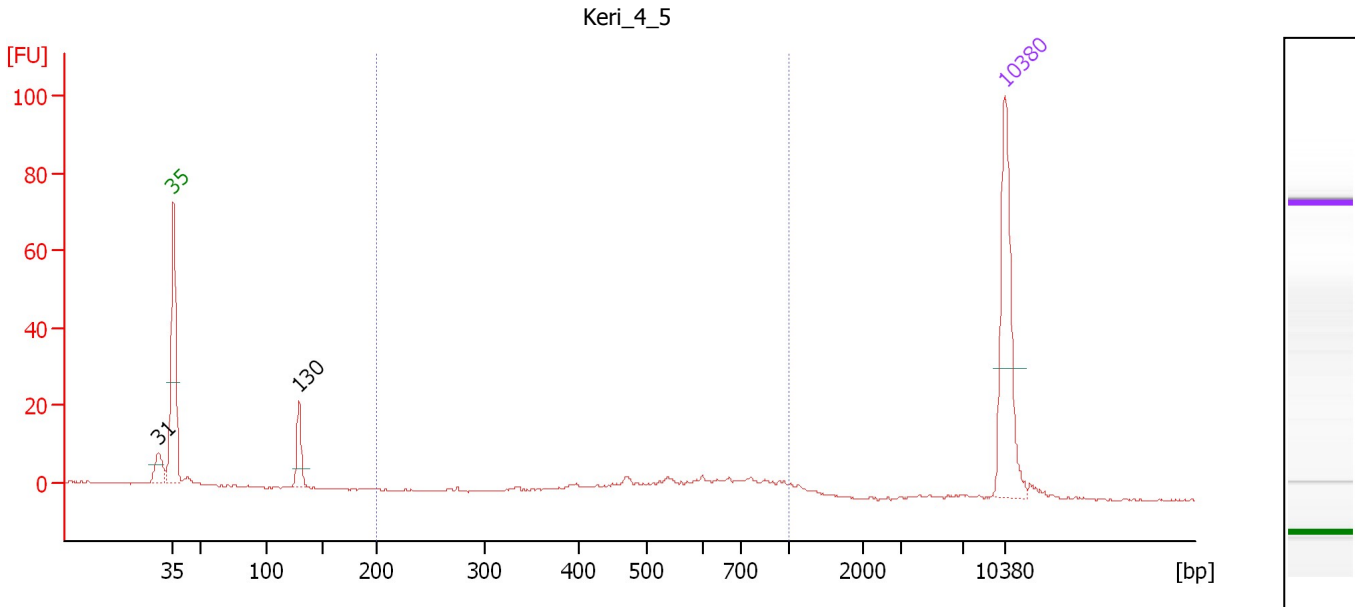
Region table for sample 7 : Keri_4_3

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	471	66.5	329.5	80.68	33	41.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-19\2017-05-19_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : Keri 4 5

Number of peaks found: 2 Corr. Area 1: 48.1
 Noise: 0.2

Peak table for sample 8 : Keri 4 5

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.75
2	35	125.00	5,411.3	Lower Marker	43.00
3	130	30.45	356.1		53.59
4	10,380	75.00	10.9	Upper Marker	113.00

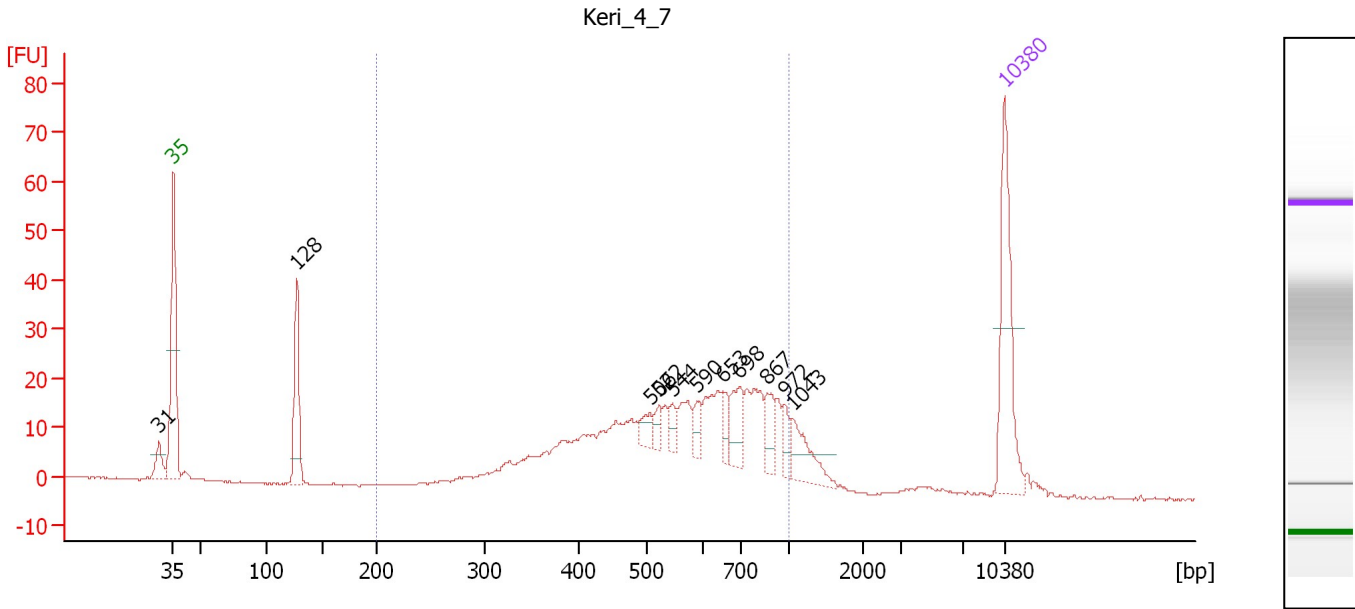
Region table for sample 8 : Keri 4 5

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	627	48.1	135.0	51.54	53	25.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-19\2017-05-19_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : Keri 4 7

Number of peaks found: 11 Corr. Area 1: 398.0
 Noise: 0.2

Peak table for sample 9 : Keri 4 7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	31	0.00	0.0		41.79
2	35	125.00	5,411.3	Lower Marker	43.00
3	128	75.96	901.8		53.41
4	506	12.77	38.3		83.18
5	522	9.95	28.9		83.93
6	544	11.24	31.3		84.99
7	590	12.31	31.6		87.15
8	653	14.77	34.3		89.26
9	698	28.32	61.5		90.67
10	867	20.62	36.0		93.04
11	972	12.93	20.2		94.49
12	1,043	29.10	42.3		95.15
13	10,380	75.00	10.9	Upper Marker	113.00

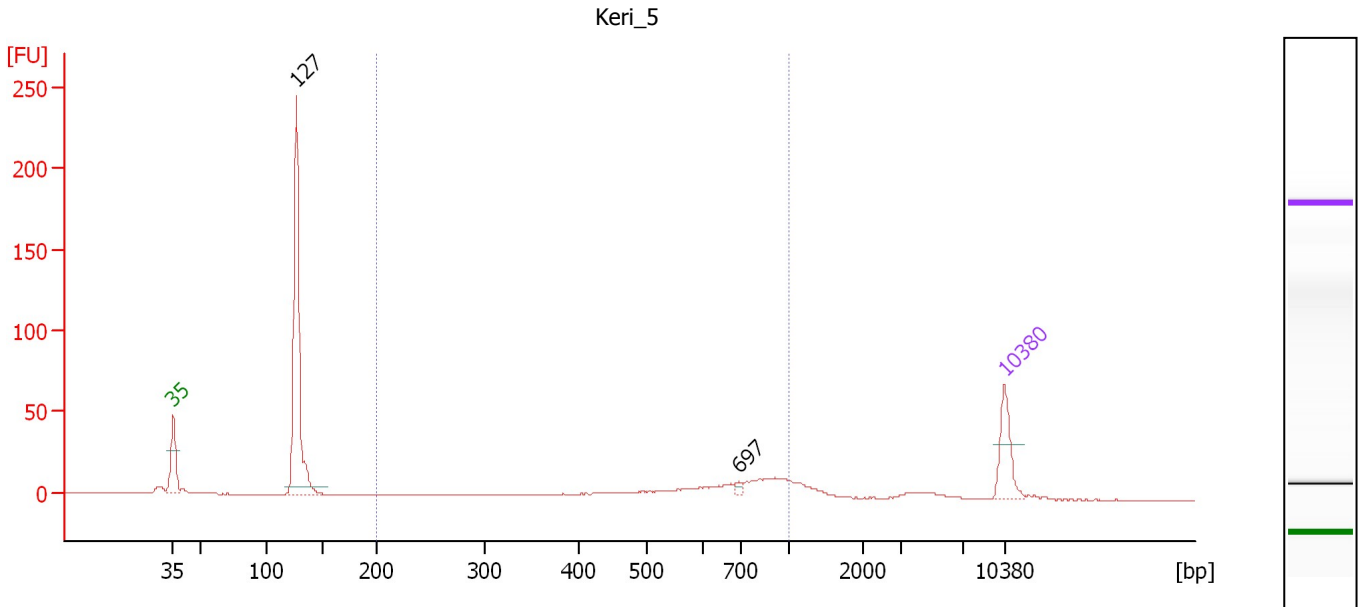
Region table for sample 9 : Keri 4 7

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	587	398.0	1,711.8	584.47	82	29.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-19\2017-05-19_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 10 : Keri_5

Number of peaks found: 2 Corr. Area 1: 117.5
 Noise: 0.2

Peak table for sample 10 : Keri_5

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	127	598.30	7,144.6		53.34
3	697	9.55	20.8		90.65
4	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 10 : Keri_5

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	682	117.5	464.0	187.29	28	26.1

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-19\2017-05-19_002.xad

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Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-19\2017-05-19_002.xad

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Invalid Samples

Sample 11 has not been run, no results available.