

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-30\2015-07-30_003.xad

Created: 7/30/2015 1:18:48 PM
Modified: 7/30/2015 1:52:29 PM

Electrophoresis File Run Summary

Instrument Information:

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

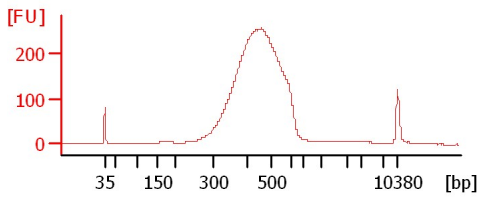
Assay Information:

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

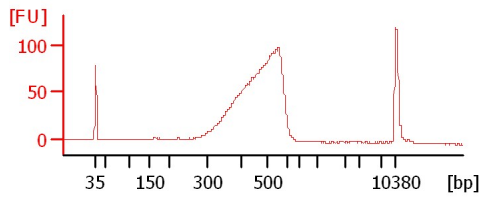
Chip Information:

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

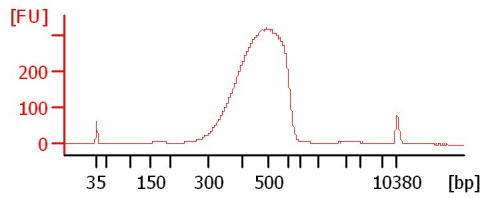
JRIAL1 pool 1.1



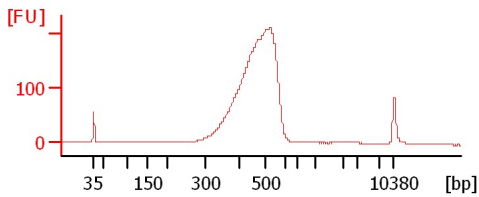
JRIAL1 pool1.2



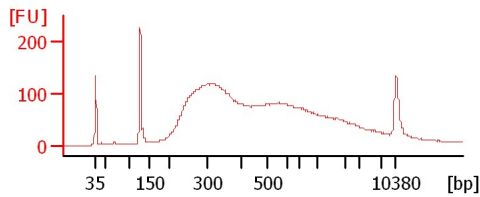
JRIAL1 pool2



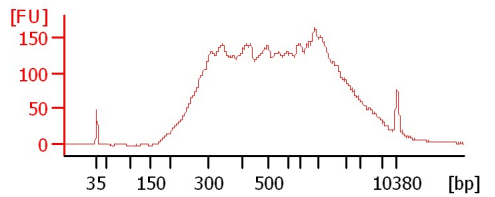
JRIAL1 pool3



TRICHO pool26



GBS N2 Plate 1



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-30\2015-07-30_003.xad

Created: 7/30/2015 1:18:48 PM
 Modified: 7/30/2015 1:52:29 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
JRIAL1 pool 1.1		<input type="checkbox"/>	✓			
JRIAL1 pool1.2		<input type="checkbox"/>	✓			
JRIAL1 pool2		<input type="checkbox"/>	✓			
JRIAL1 pool3		<input type="checkbox"/>	✓			
TRICHO pool26		<input type="checkbox"/>	✓			
GBS N2 Plate 1		<input type="checkbox"/>	✓			
sample 7		<input type="checkbox"/>				
sample 8		<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:\...ents and Settings\Bioanalyzer\2015-07-30\2015-07-30_003.xad

Created: 7/30/2015 1:18:48 PM
Modified: 7/30/2015 1:52:29 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

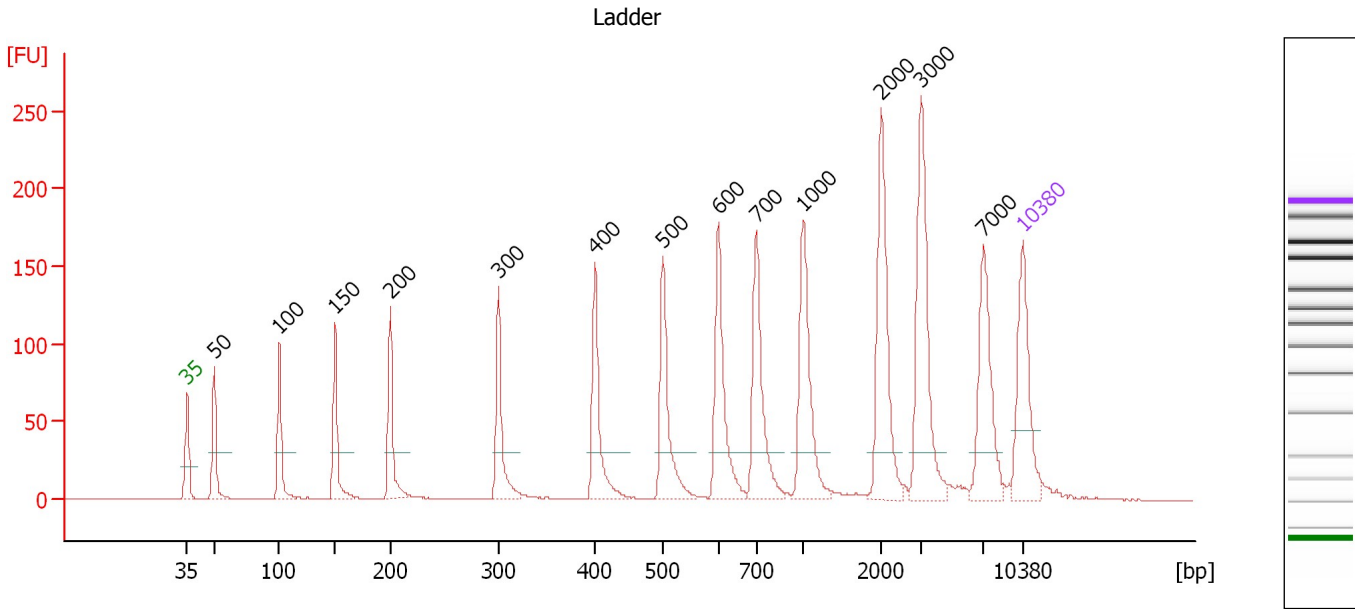
Ladder

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:\...ents and Settings\Bioanalyzer\2015-07-30\2015-07-30_003.xad

Created: 7/30/2015 1:18:48 PM
 Modified: 7/30/2015 1:52:29 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

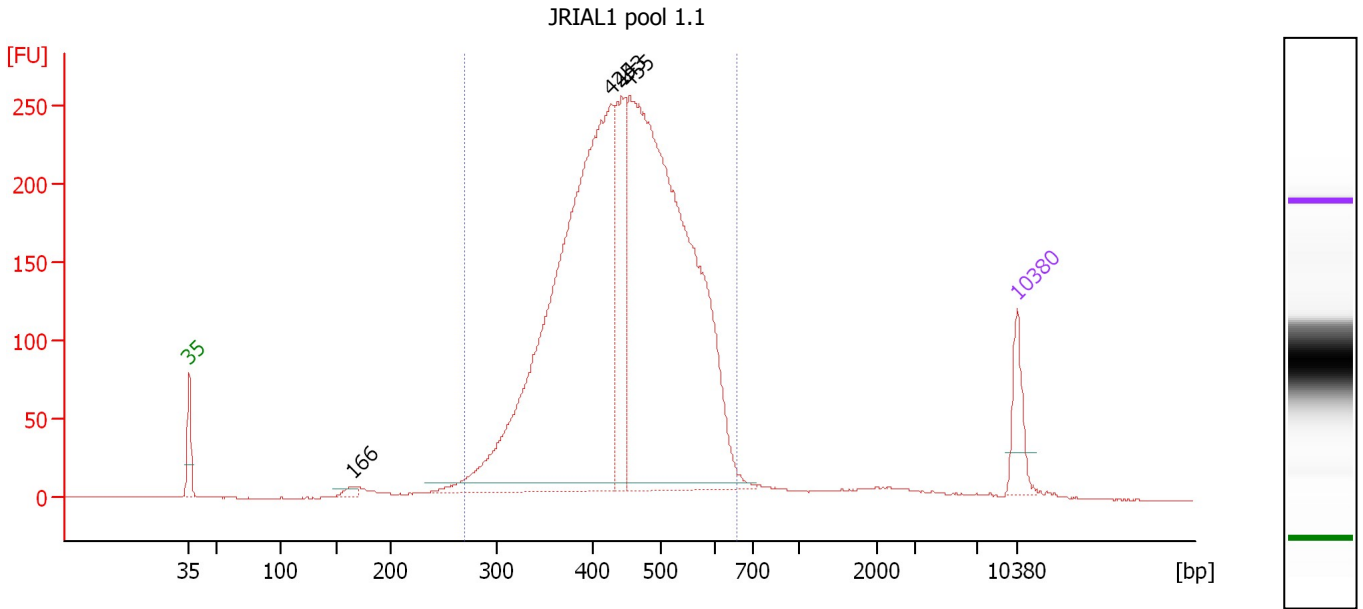
Peak table for Ladder

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	45.28
3	100	150.00	2,272.7	Ladder Peak	50.72
4	150	150.00	1,515.2	Ladder Peak	55.41
5	200	150.00	1,136.4	Ladder Peak	60.01
6	300	150.00	757.6	Ladder Peak	69.07
7	400	150.00	568.2	Ladder Peak	77.15
8	500	150.00	454.5	Ladder Peak	82.82
9	600	150.00	378.8	Ladder Peak	87.51
10	700	150.00	324.7	Ladder Peak	90.68
11	1,000	150.00	227.3	Ladder Peak	94.61
12	2,000	150.00	113.6	Ladder Peak	101.13
13	3,000	150.00	75.8	Ladder Peak	104.43
14	7,000	150.00	32.5	Ladder Peak	109.70
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-30\2015-07-30_003.xad

Created: 7/30/2015 1:18:48 PM
 Modified: 7/30/2015 1:52:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : JRIAL1 pool 1.1

Number of peaks found: 4 Corr. Area 1: 4,387.4
 Noise: 0.2

Peak table for sample 1 : JRIAL1 pool 1.1

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	166	21.18	193.2		56.89
3	425	1,954.02	6,961.3		78.59
4	443	344.72	1,179.5		79.58
5	455	2,020.37	6,731.7		80.26
6	10,380	75.00	10.9	Upper Marker	113.00

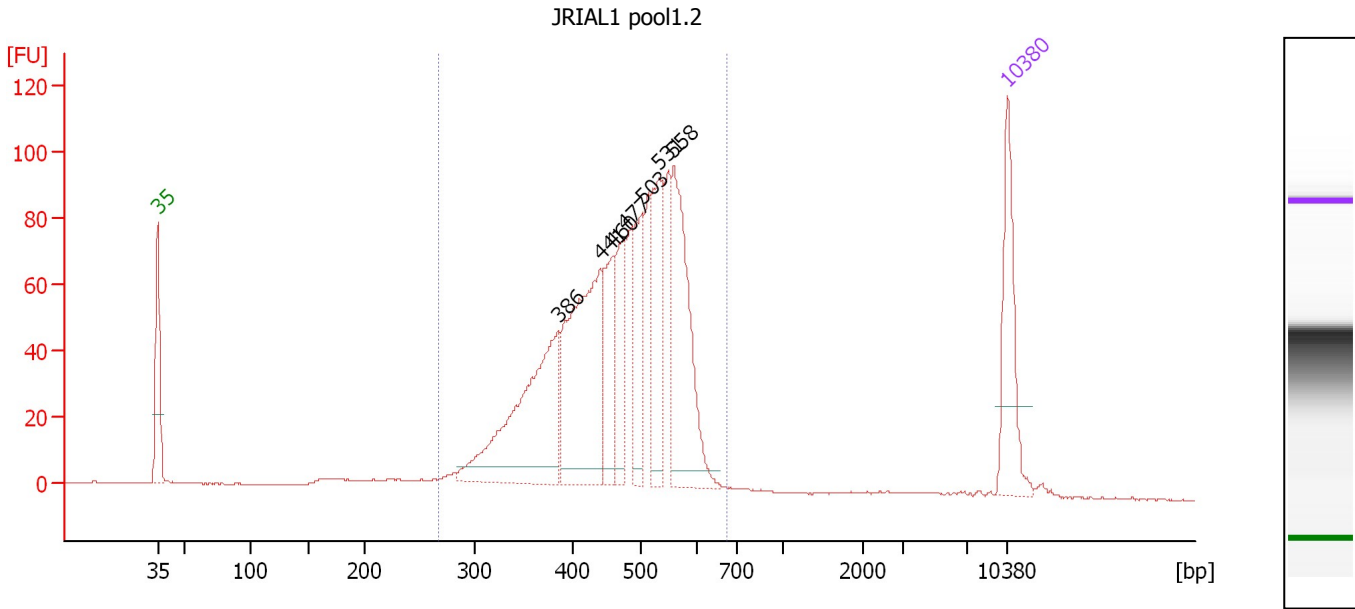
Region table for sample 1 : JRIAL1 pool 1.1

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]	Conc. [pg/μl]
270	449	658	4,387.4	15,824.0	94	17.8	4,484.35

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-30\2015-07-30_003.xad

Created: 7/30/2015 1:18:48 PM
 Modified: 7/30/2015 1:52:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : JRIAL1 pool1.2

Number of peaks found: 7 Corr. Area 1: 1,360.8
 Noise: 0.2

Peak table for sample 2 : JRIAL1 pool1.2

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	386	238.95	938.3		76.01
3	441	236.82	813.3		79.49
4	460	79.15	260.8		80.54
5	477	72.21	229.5		81.50
6	503	86.54	260.6		82.97
7	531	108.27	308.7		84.29
8	558	175.96	478.0		85.53
9	10,380	75.00	10.9	Upper Marker	113.00

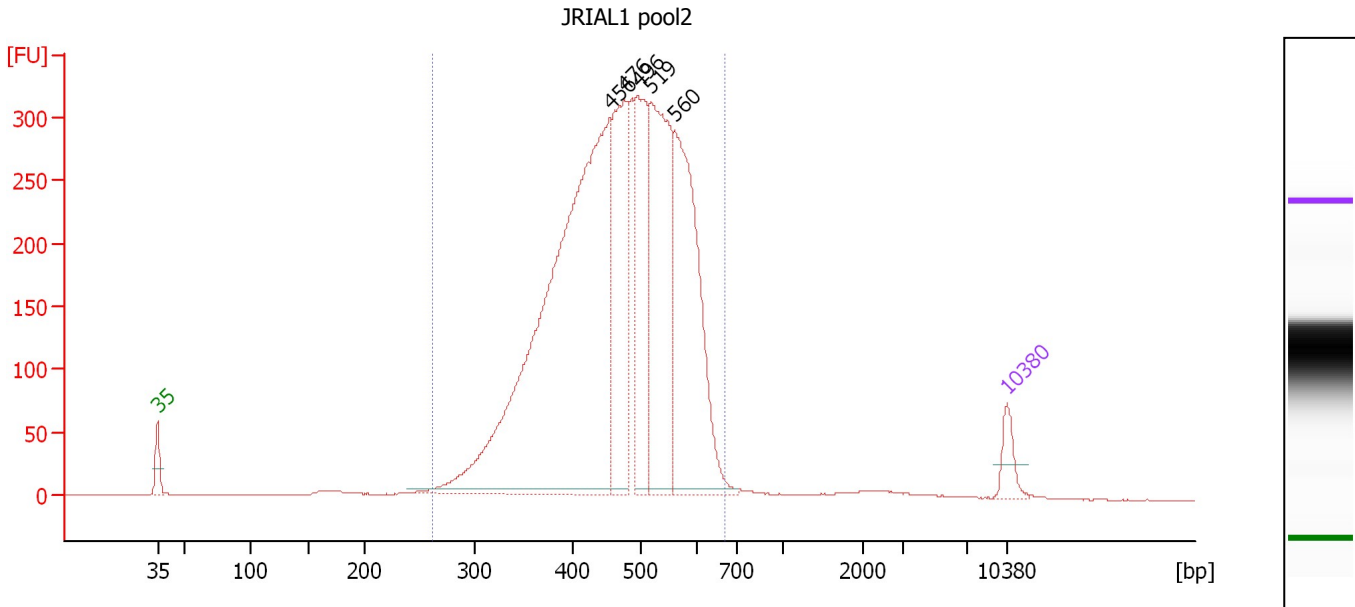
Region table for sample 2 : JRIAL1 pool1.2

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]	Conc. [pg/μl]
267	467	675	1,360.8	4,358.4	94	17.2	1,281.89

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-30\2015-07-30_003.xad

Created: 7/30/2015 1:18:48 PM
 Modified: 7/30/2015 1:52:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : JRIAL1 pool2

Number of peaks found: 5 Corr. Area 1: 5,317.2
 Noise: 0.2

Peak table for sample 3 : JRIAL1 pool2

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	456	3,332.23	11,078.5		80.31
3	476	757.85	2,410.7		81.48
4	496	631.23	1,927.9		82.60
5	519	1,050.58	3,065.9		83.72
6	560	1,137.75	3,078.2		85.64
7	10,380	75.00	10.9	Upper Marker	113.00

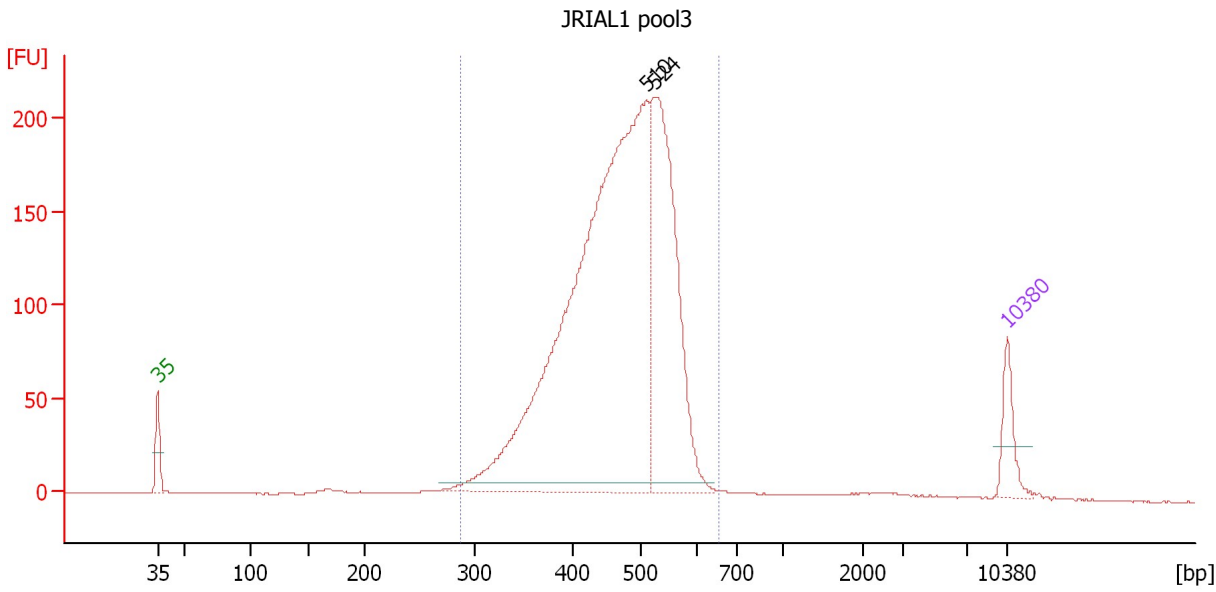
Region table for sample 3 : JRIAL1 pool2

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]	Conc. [pg/μl]
262	470	670	5,317.2	25,601.7	97	17.3	7,589.16

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-30\2015-07-30_003.xad

Created: 7/30/2015 1:18:48 PM
 Modified: 7/30/2015 1:52:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : JRIAL1 pool3

Number of peaks found: 2 Corr. Area 1: 2,628.4
 Noise: 0.2

Peak table for sample 4 : JRIAL1 pool3

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	510	2,362.83	7,017.6		83.30
3	524	848.30	2,451.6		83.96
4	10,380	75.00	10.9	Upper Marker	113.00

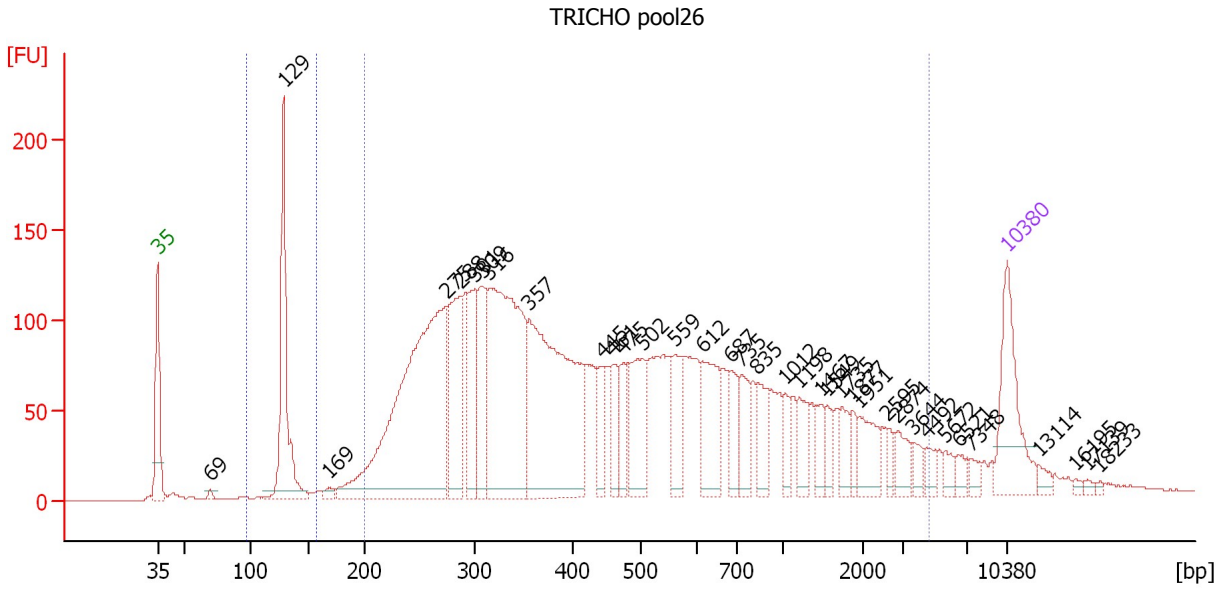
Region table for sample 4 : JRIAL1 pool3

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
287	467	656	2,628.4	11,597.4	96	14.5	3,466.55

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-30\2015-07-30_003.xad

Created: 7/30/2015 1:18:48 PM
 Modified: 7/30/2015 1:52:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : TRICHO pool26

Number of peaks found: 36 Corr. Area 1: 4,306.5
 Noise: 0.2 Corr. Area 2: 252.0

Peak table for sample 5 : TRICHO pool26

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	69	4.99	109.9		47.32
3	129	201.85	2,380.0		53.40
4	169	7.61	68.3		57.14
5	275	498.88	2,749.0		66.80
6	288	124.93	657.7		67.97
7	301	82.63	416.2		69.13
8	309	93.12	457.2		69.77
9	316	345.79	1,659.0		70.35
10	357	338.52	1,438.0		73.65
11	445	34.54	117.7		79.68
12	461	39.79	130.8		80.60
13	475	34.40	109.6		81.42
14	502	84.95	256.2		82.93
15	559	45.35	122.8		85.60
16	612	78.00	193.2		87.89
17	687	35.69	78.7		90.27
18	735	39.49	81.4		91.14
19	835	32.89	59.7		92.45
20	1,012	20.19	30.2		94.69
21	1,198	26.30	33.2		95.90
22	1,467	17.81	18.4		97.65
23	1,549	14.82	14.5		98.18
24	1,735	19.20	16.8		99.40
25	1,877	13.01	10.5		100.32

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-30\2015-07-30_003.xad

Created: 7/30/2015 1:18:48 PM
 Modified: 7/30/2015 1:52:29 PM

Electropherogram Summary Continued ...

... Peak table for sample 5 : TRICHO pool26

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,951	34.31	26.6		100.81
27	2,595	10.03	5.9		103.09
28	2,874	19.08	10.1		104.01
29	3,644	11.11	4.6		105.28
30	4,492	10.20	3.4		106.39
31	5,672	9.56	2.6		107.95
32	6,521	8.89	2.1		109.07
33	7,348	7.05	1.5		110.04
34	10,380	75.00	10.9	Upper Marker	113.00
35	13,114	0.00	0.0		115.67
36	16,195	0.00	0.0		118.68
37	17,139	0.00	0.0		119.61
38	18,233	0.00	0.0		120.68

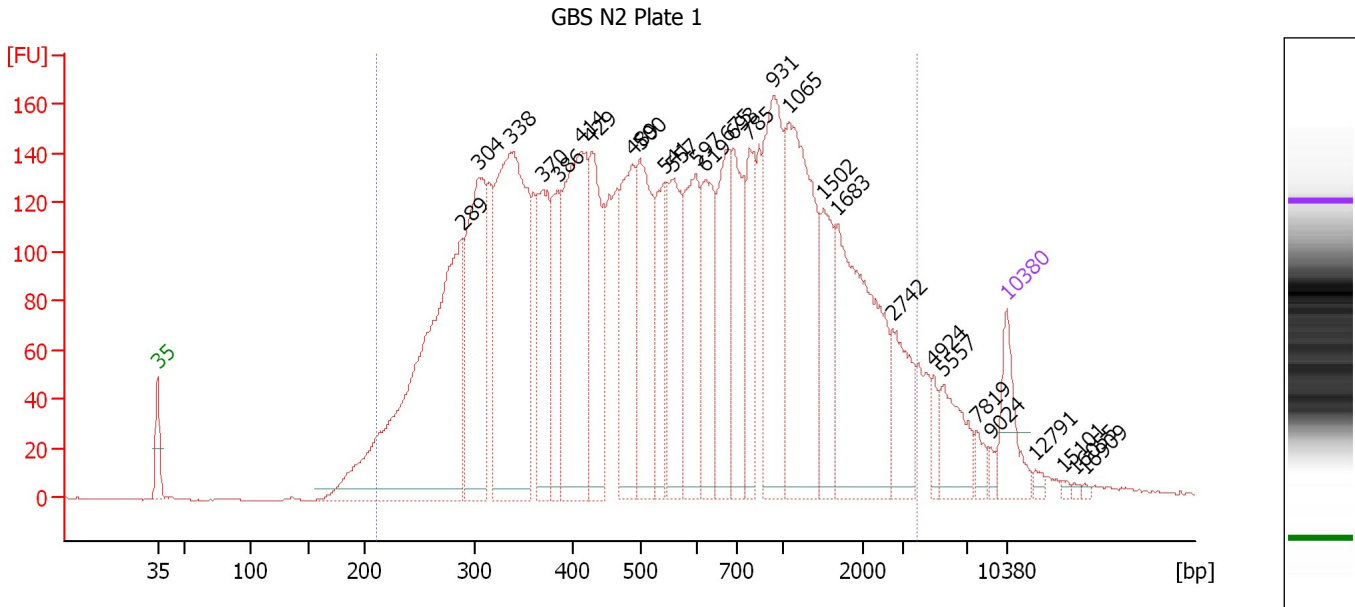
Region table for sample 5 : TRICHO pool26

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
96	130	158	252.0	2,438.1	5	5.0	208.67
200	686	4,648	4,306.5	10,084.2	89	99.7	2,570.03

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-30\2015-07-30_003.xad

Created: 7/30/2015 1:18:48 PM
 Modified: 7/30/2015 1:52:29 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : GBS N2 Plate 1

Number of peaks found: 29 Corr. Area 1: 6,178.4
 Noise: 0.3

Peak table for sample 6 : GBS N2 Plate 1

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	289	953.16	4,995.3		68.08
3	304	440.13	2,192.3		69.41
4	338	727.98	3,267.2		72.11
5	370	225.98	924.4		74.76
6	386	152.14	597.8		75.99
7	414	465.37	1,702.8		77.95
8	429	255.31	902.1		78.79
9	489	255.39	792.0		82.17
10	500	269.51	817.0		82.81
11	541	153.83	431.1		84.73
12	557	208.53	566.9		85.51
13	597	235.13	596.6		87.38
14	619	181.48	444.2		88.11
15	675	192.00	431.1		89.88
16	693	202.80	443.2		90.47
17	785	140.72	271.6		91.79
18	931	298.25	485.2		93.71
19	1,065	403.18	573.4		95.03
20	1,502	130.11	131.2		97.88
21	1,683	357.86	322.2		99.06
22	2,742	107.26	59.3		103.58
23	4,924	24.37	7.5		106.96
24	5,557	85.26	23.2		107.80
25	7,819	21.22	4.1		110.50

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-30\2015-07-30_003.xad

Created: 7/30/2015 1:18:48 PM
 Modified: 7/30/2015 1:52:29 PM

Electropherogram Summary Continued ...

... Peak table for sample 6 : GBS N2 Plate 1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	9,024	9.69	1.6		111.67
27	10,380	75.00	10.9	Upper Marker	113.00
28	12,791	0.00	0.0		115.36
29	15,101	0.00	0.0		117.61
30	16,055	0.00	0.0		118.55
31	16,909	0.00	0.0		119.38

Region table for sample 6 : GBS N2 Plate 1

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
212	782	3,913	6,178.4	22,729.4	94	82.7	6,813.06

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-30\2015-07-30_003.xad

Created: 7/30/2015 1:18:48 PM
Modified: 7/30/2015 1:52:29 PM

Gel Image

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-30\2015-07-30_003.xad

Created: 7/30/2015 1:18:48 PM
Modified: 7/30/2015 1:52:29 PM

Invalid Samples

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.