

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-29\2015-05-29_003.xad

Created: 5/29/2015 5:02:22 PM
Modified: 5/29/2015 5:34:49 PM

Electrophoresis File Run Summary

Instrument Information:

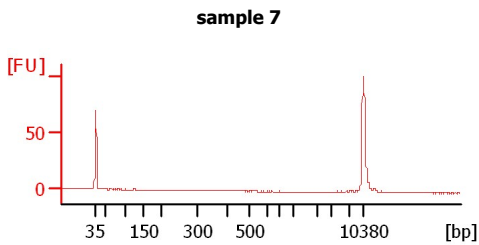
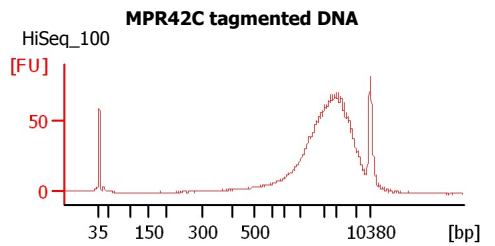
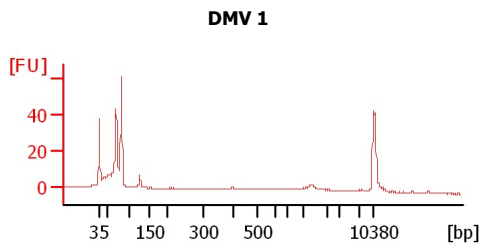
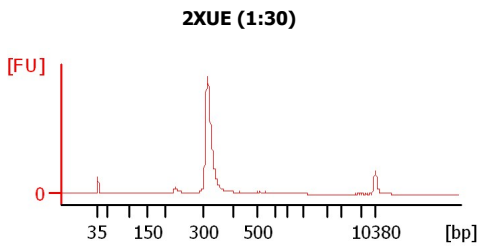
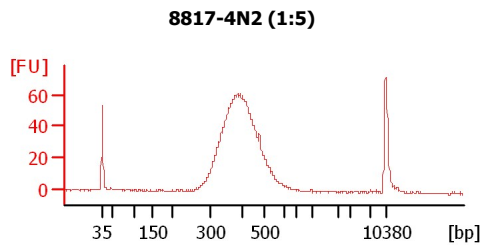
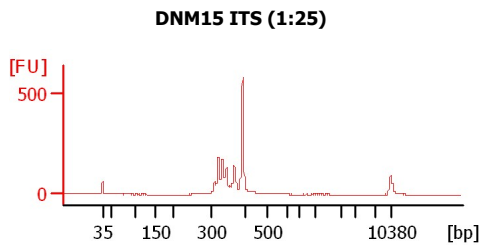
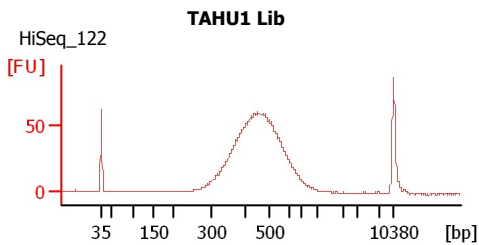
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
TAHU1 Lib	HiSeq_122	<input type="checkbox"/>	✓			
DNM15 ITS (1:25)		<input type="checkbox"/>	✓			
8817-4N2 (1:5)		<input type="checkbox"/>	✓			
2XUE (1:30)		<input type="checkbox"/>	✓			
DMV 1		<input type="checkbox"/>	✓			
MPR42C tagmented DNA	HiSeq_100	<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 :

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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

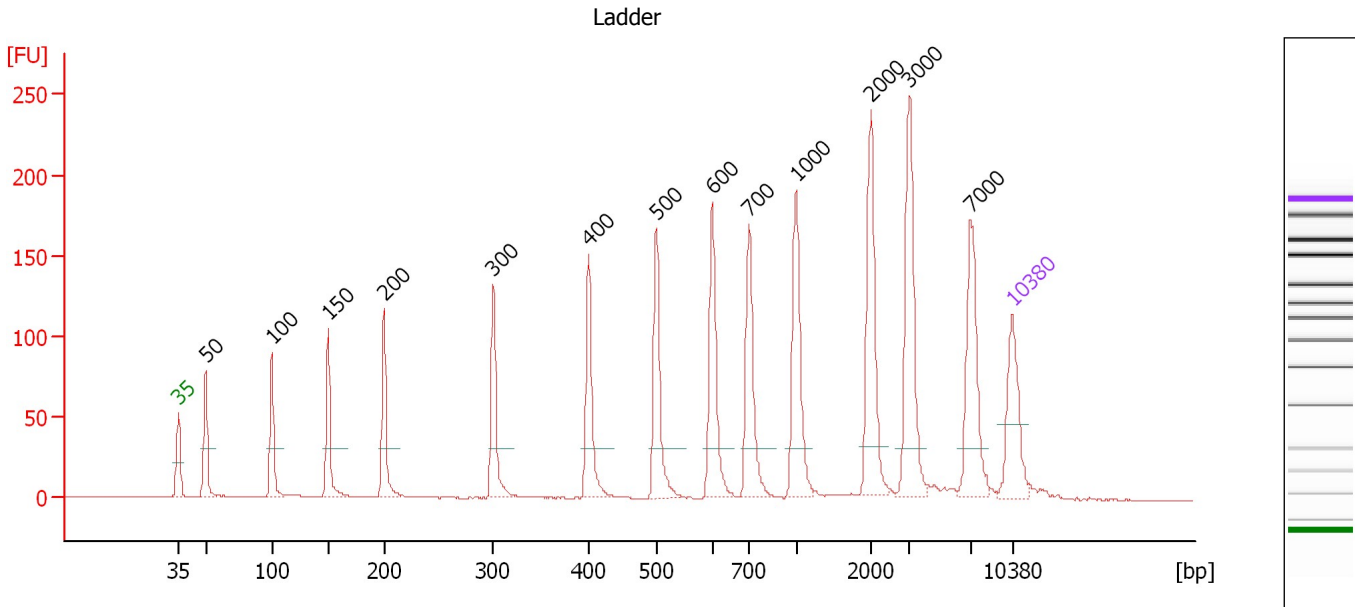
Ladder

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

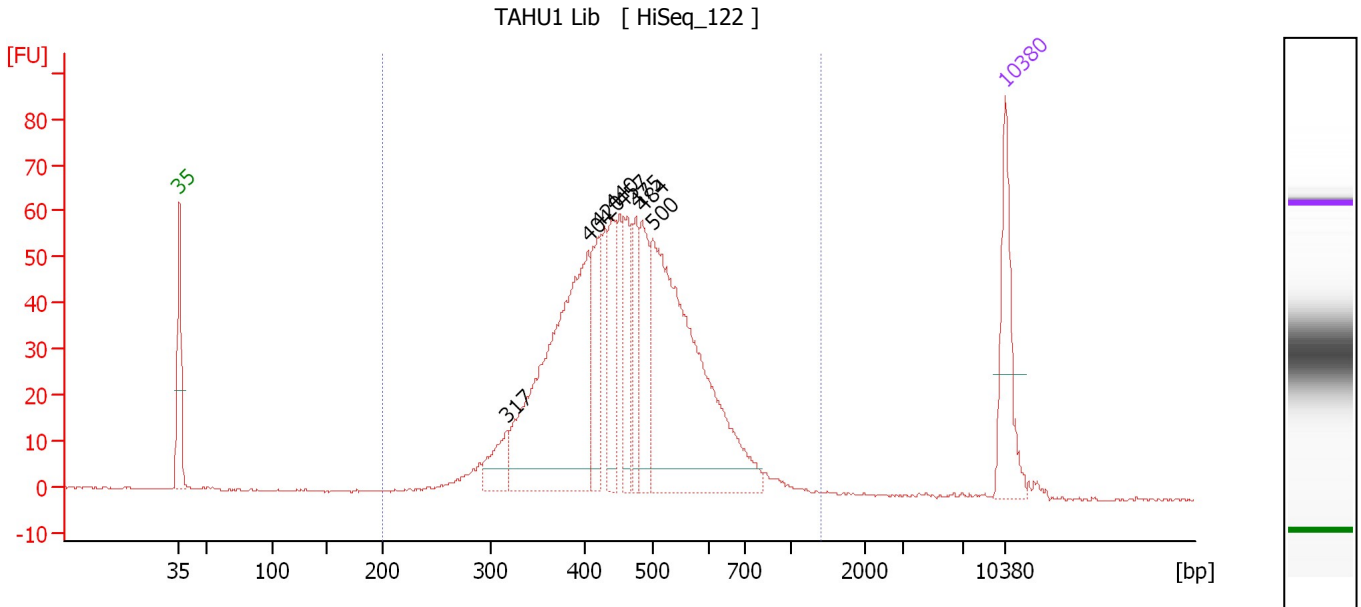
Peak table for Ladder

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	45.28
3	100	150.00	2,272.7	Ladder Peak	50.83
4	150	150.00	1,515.2	Ladder Peak	55.58
5	200	150.00	1,136.4	Ladder Peak	60.28
6	300	150.00	757.6	Ladder Peak	69.45
7	400	150.00	568.2	Ladder Peak	77.42
8	500	150.00	454.5	Ladder Peak	83.10
9	600	150.00	378.8	Ladder Peak	87.80
10	700	150.00	324.7	Ladder Peak	90.89
11	1,000	150.00	227.3	Ladder Peak	94.83
12	2,000	150.00	113.6	Ladder Peak	101.14
13	3,000	150.00	75.8	Ladder Peak	104.36
14	7,000	150.00	32.5	Ladder Peak	109.46
15	10,380	75.00	10.9	Upper Marker	113.00

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Electropherogram Summary Continued ...



Overall Results for sample 1 : TAHU1 Lib

Number of peaks found: 8 Corr. Area 1: 1,094.5
 Noise: 0.2

Peak table for sample 1 : TAHU1 Lib

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	317	45.37	217.1		70.77
3	404	410.17	1,538.8		77.64
4	420	88.62	319.9		78.54
5	440	75.76	260.6		79.72
6	457	75.20	249.3		80.66
7	475	59.74	190.4		81.70
8	484	88.42	276.7		82.20
9	500	449.12	1,360.9		83.10
10	10,380	75.00	10.9	Upper Marker	113.00

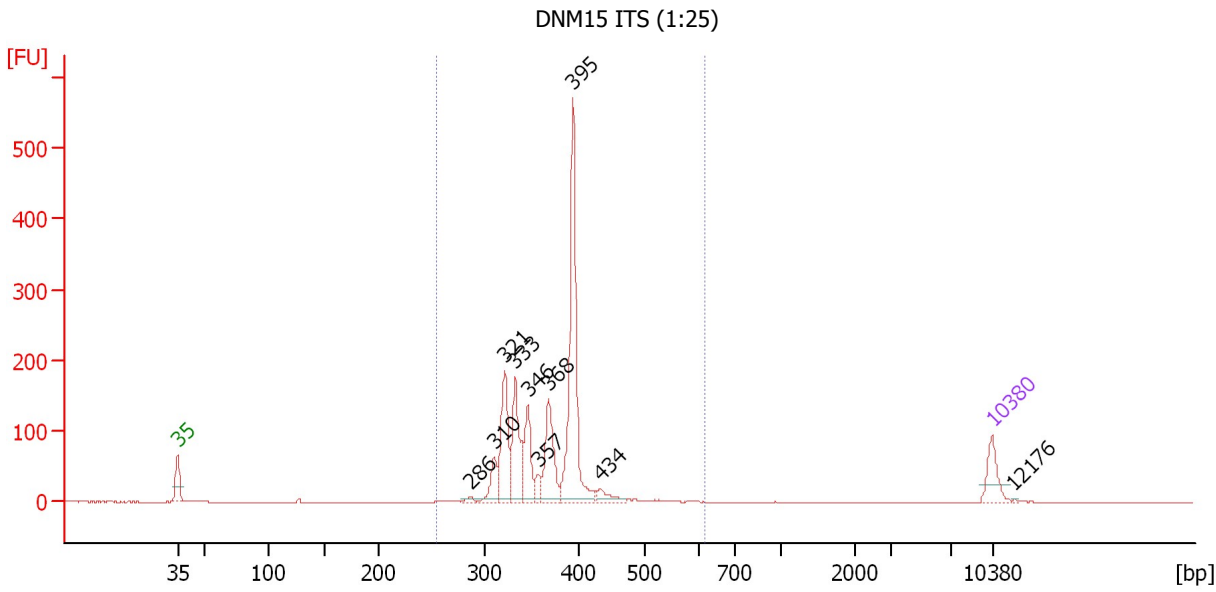
Region table for sample 1 : TAHU1 Lib

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	468	1,398	1,094.5	5,122.0	99	23.9	1,478.05	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 2 : DNM15 ITS (1:25)

Number of peaks found: 10 Corr. Area 1: 1,364.0
 Noise: 0.1

Peak table for sample 2 : DNM15 ITS (1:25)

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	286	13.19	69.9		68.15
3	310	86.46	423.2		70.21
4	321	261.61	1,234.6		71.13
5	333	243.53	1,109.6		72.04
6	346	157.01	688.0		73.10
7	357	39.85	169.3		73.97
8	368	213.30	877.7		74.88
9	395	630.43	2,420.3		76.99
10	434	43.36	151.5		79.33
11	10,380	75.00	10.9	Upper Marker	113.00
12	12,176	0.00	0.0		114.88

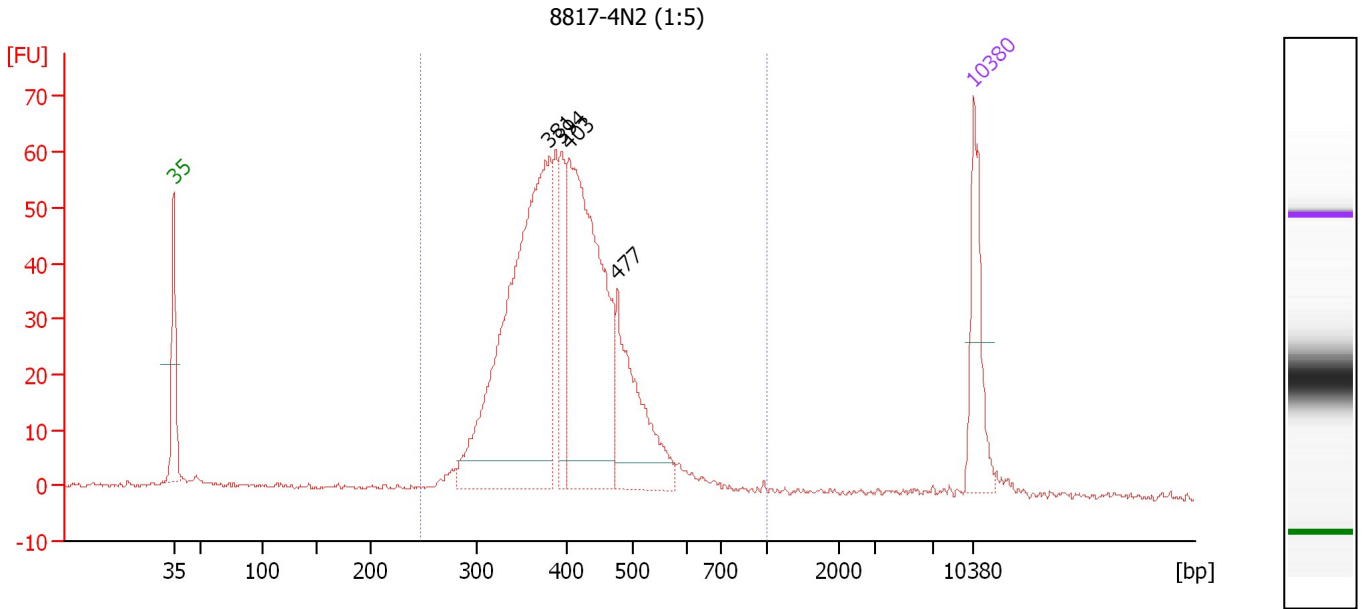
Region table for sample 2 : DNM15 ITS (1:25)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
255	367	618	1,364.0	7,154.4	99	11.2	1,721.03	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 3 : 8817-4N2 (1:5)

Number of peaks found: 4 Corr. Area 1: 860.6
 Noise: 0.4

Peak table for sample 3 : 8817-4N2 (1:5)

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	381	584.35	2,325.8		75.88
3	394	83.75	322.4		76.90
4	403	427.45	1,606.0		77.60
5	477	168.23	534.2		81.80
6	10,380	75.00	10.9	Upper Marker	113.00

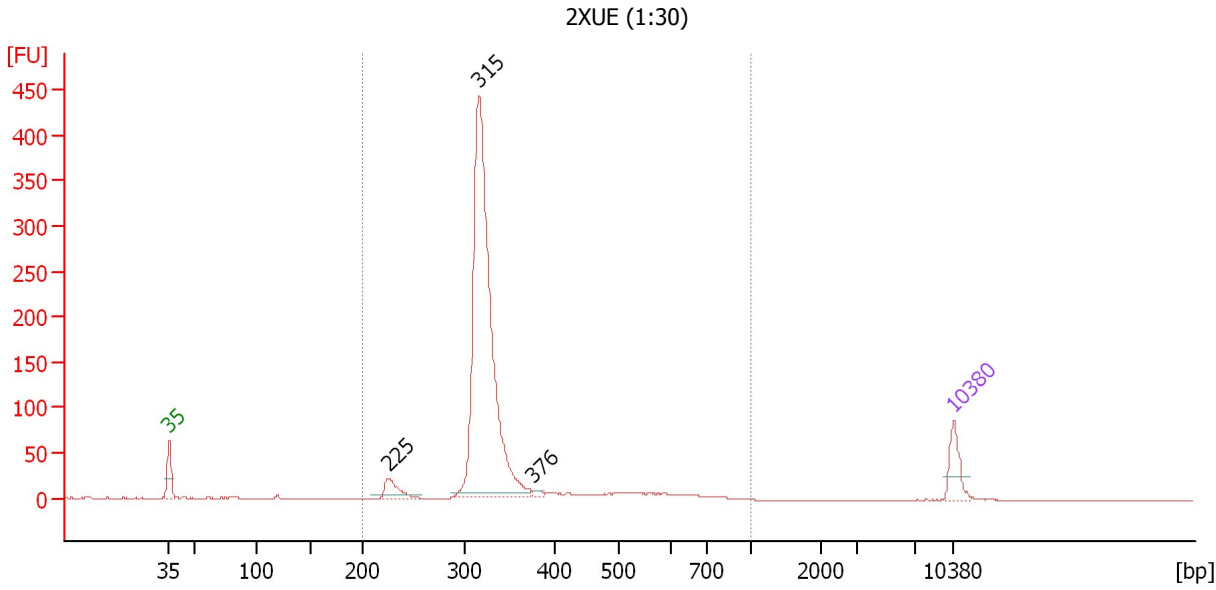
Region table for sample 3 : 8817-4N2 (1:5)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
247	405	1,000	860.6	5,328.5	99	16.6	1,380.38	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 4 : 2XUE (1:30)

Number of peaks found: 3 Corr. Area 1: 1,401.3
 Noise: 0.2

Peak table for sample 4 : 2XUE (1:30)

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	225	85.75	576.8		62.59
3	315	1,671.98	8,032.5		70.68
4	376	11.02	44.4		75.53
5	10,380	75.00	10.9	Upper Marker	113.00

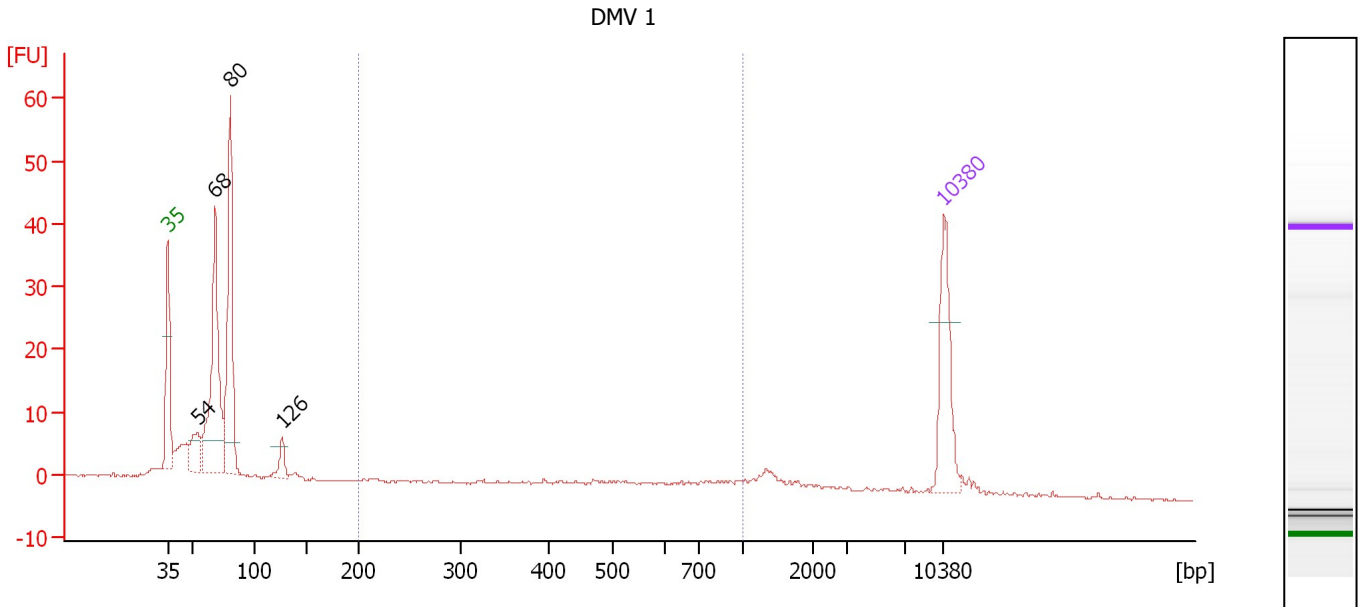
Region table for sample 4 : 2XUE (1:30)

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	342	1,000	1,401.2	9,071.7	97	23.9	1,953.84	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 5 : DMV 1

Number of peaks found: 4 Corr. Area 1: 30.2
 Noise: 0.2

Peak table for sample 5 : DMV 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	54	50.28	1,418.5		45.69
3	68	262.85	5,855.8		47.28
4	80	242.62	4,586.7		48.63
5	126	24.41	293.6		53.30
6	10,380	75.00	10.9	Upper Marker	113.00

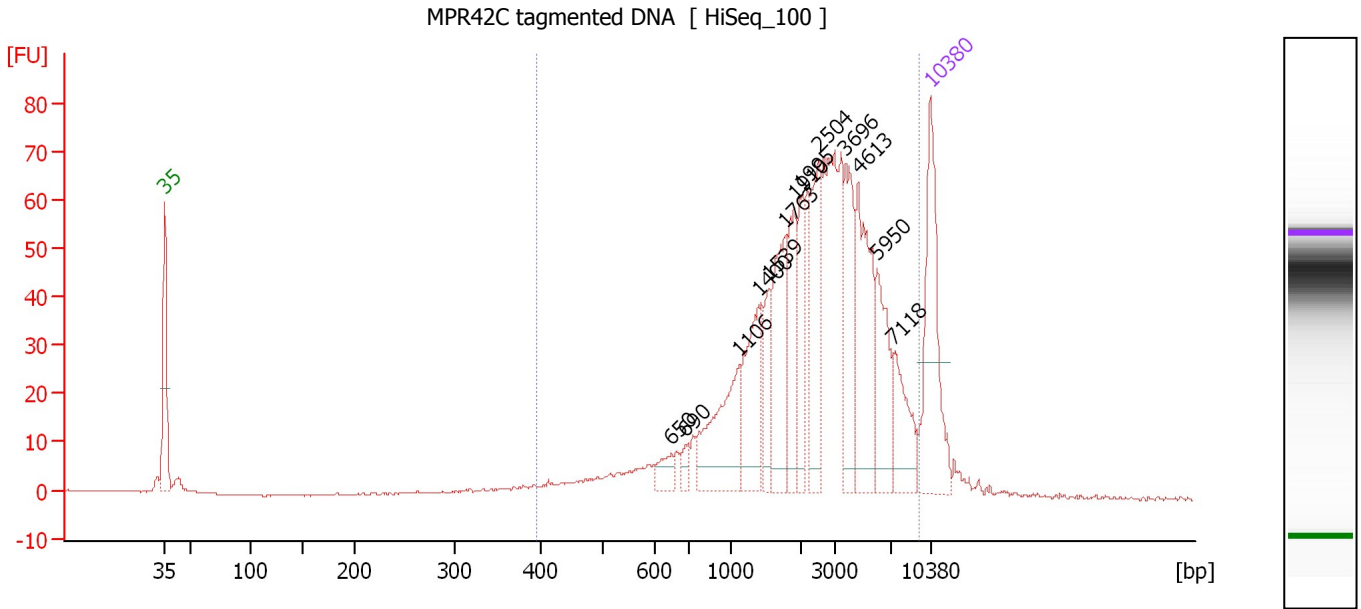
Region table for sample 5 : DMV 1

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	545	1,000	30.2	258.2	11	37.9	73.07	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 6 : MPR42C tagged DNA

Number of peaks found: 13 Corr. Area 1: 937.4
 Noise: 0.1

Peak table for sample 6 : MPR42C tagged DNA

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	650	13.58	31.6		89.36
3	690	8.69	19.1		90.58
4	1,106	67.69	92.7		95.50
5	1,400	58.27	63.1		97.35
6	1,539	27.96	27.5		98.23
7	1,763	62.84	54.0		99.64
8	1,910	40.75	32.3		100.57
9	1,995	30.93	23.5		101.11
10	2,504	56.04	33.9		102.76
11	3,696	51.94	21.3		105.25
12	4,613	78.00	25.6		106.42
13	5,950	44.83	11.4		108.13
14	7,118	37.06	7.9		109.59
15	10,380	75.00	10.9	Upper Marker	113.00

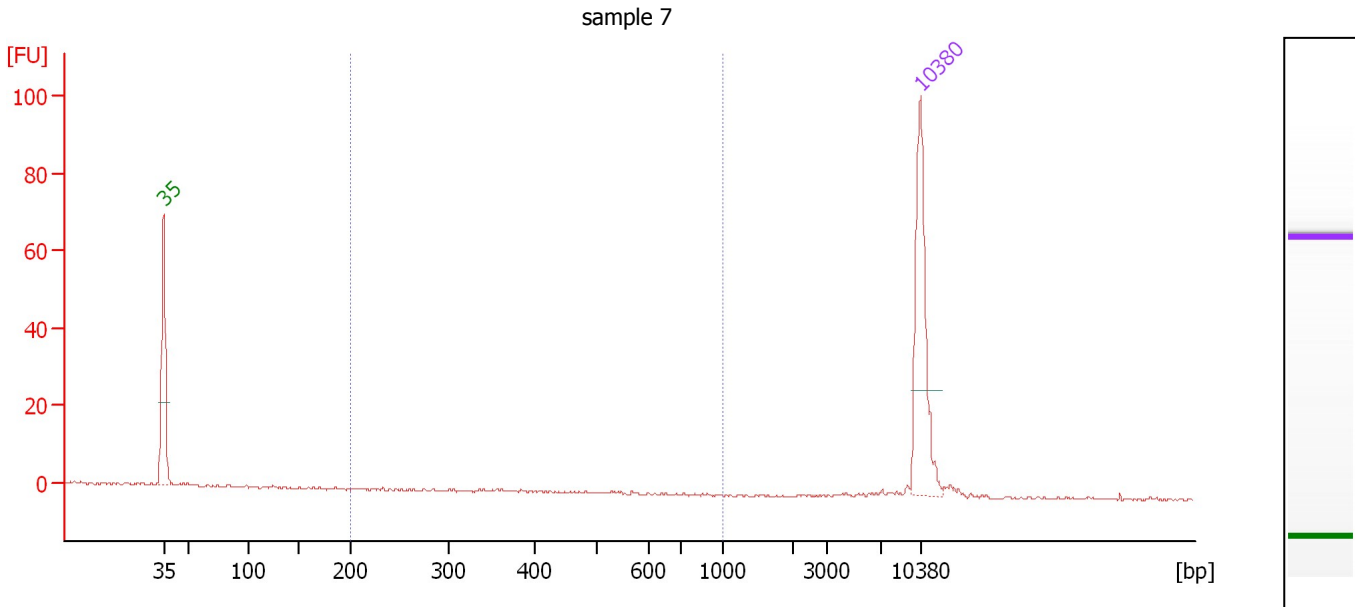
Region table for sample 6 : MPR42C tagged DNA

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
394	2,991	9,405	937.4	723.0	97	67.7	798.00	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 7 : sample 7

Number of peaks found: 0 Corr. Area 1: 0.0
 Noise: 0.4

Peak table for sample 7 : sample 7

Pea k	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	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 7 : sample 7

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Co lor
200	0	1,000	0.0	0.0	0	0.0	0.00	■

Assay Class: High Sensitivity DNA Assay
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Gel Image

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Invalid Samples

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.