

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-05-06\2015-05-06_003.xad

Created: 5/6/2015 1:47:16 PM
Modified: 5/6/2015 2:27:29 PM

Electrophoresis File Run Summary

Instrument Information:

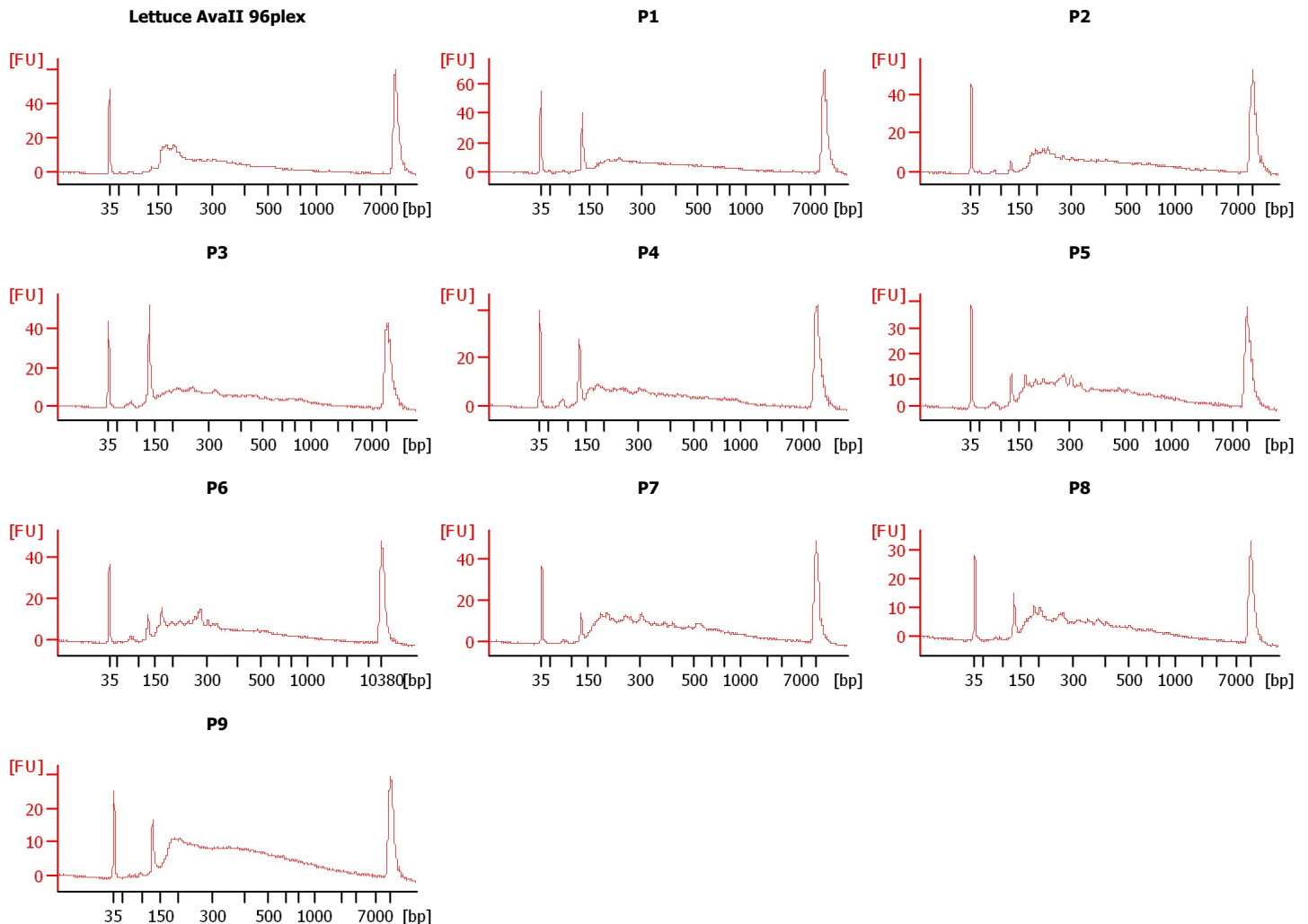
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Lettuce AvaII 96plex		<input type="checkbox"/>	✓			
P1		<input type="checkbox"/>	✓			
P2		<input type="checkbox"/>	✓			
P3		<input type="checkbox"/>	✓			
P4		<input type="checkbox"/>	✓			
P5		<input type="checkbox"/>	✓			
P6		<input type="checkbox"/>	✓			
P7		<input type="checkbox"/>	✓			
P8		<input type="checkbox"/>	✓			
P9		<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

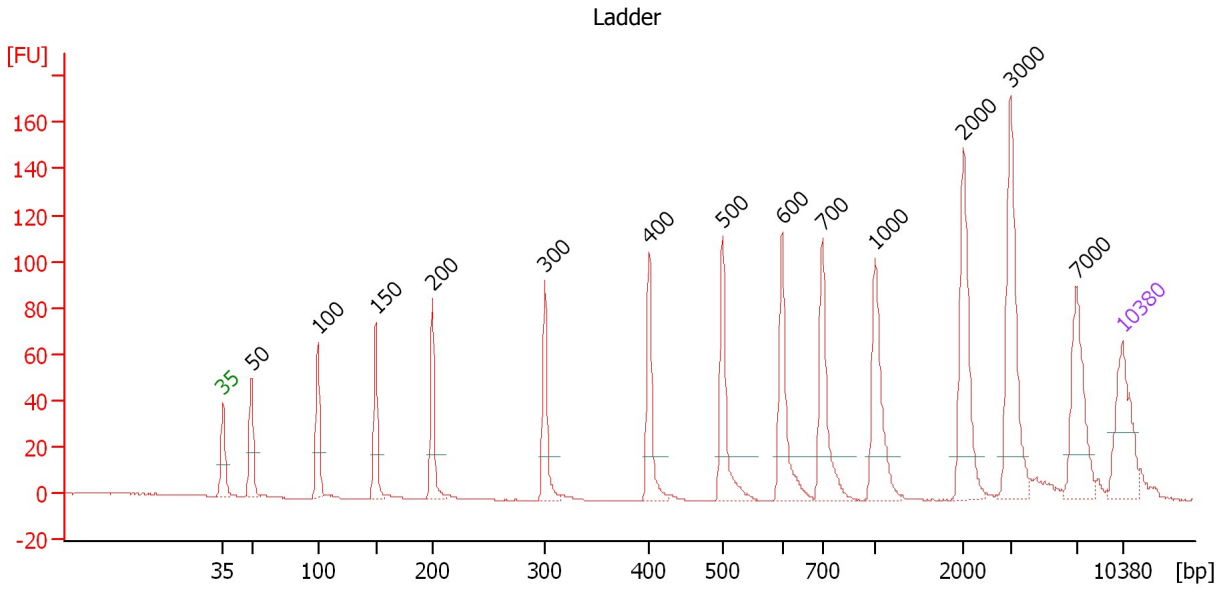
Ladder

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: 0.1

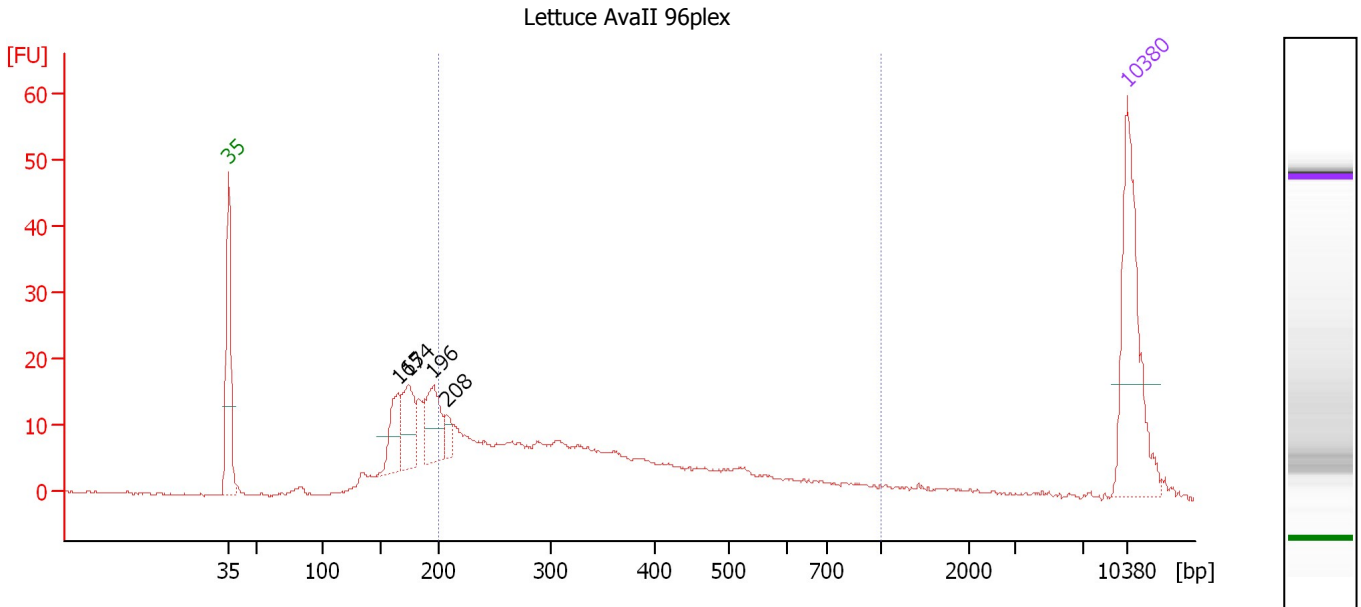
Peak table for Ladder

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	45.20
3	100	150.00	2,272.7	Ladder Peak	50.35
4	150	150.00	1,515.2	Ladder Peak	54.87
5	200	150.00	1,136.4	Ladder Peak	59.28
6	300	150.00	757.6	Ladder Peak	68.04
7	400	150.00	568.2	Ladder Peak	76.17
8	500	150.00	454.5	Ladder Peak	81.90
9	600	150.00	378.8	Ladder Peak	86.51
10	700	150.00	324.7	Ladder Peak	89.67
11	1,000	150.00	227.3	Ladder Peak	93.78
12	2,000	150.00	113.6	Ladder Peak	100.63
13	3,000	150.00	75.8	Ladder Peak	104.28
14	7,000	150.00	32.5	Ladder Peak	109.47
15	10,380	75.00	10.9	Upper Marker	113.00

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Electropherogram Summary Continued ...



Overall Results for sample 1 : Lettuce AvaII 96plex

Number of peaks found: 4 Corr. Area 1: 273.1
 Noise: 0.2

Peak table for sample 1 : Lettuce AvaII 96plex

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	165	36.67	337.5		56.16
3	174	44.40	386.5		56.99
4	196	45.35	350.1		58.94
5	208	12.25	89.2		59.98
6	10,380	75.00	10.9	Upper Marker	113.00

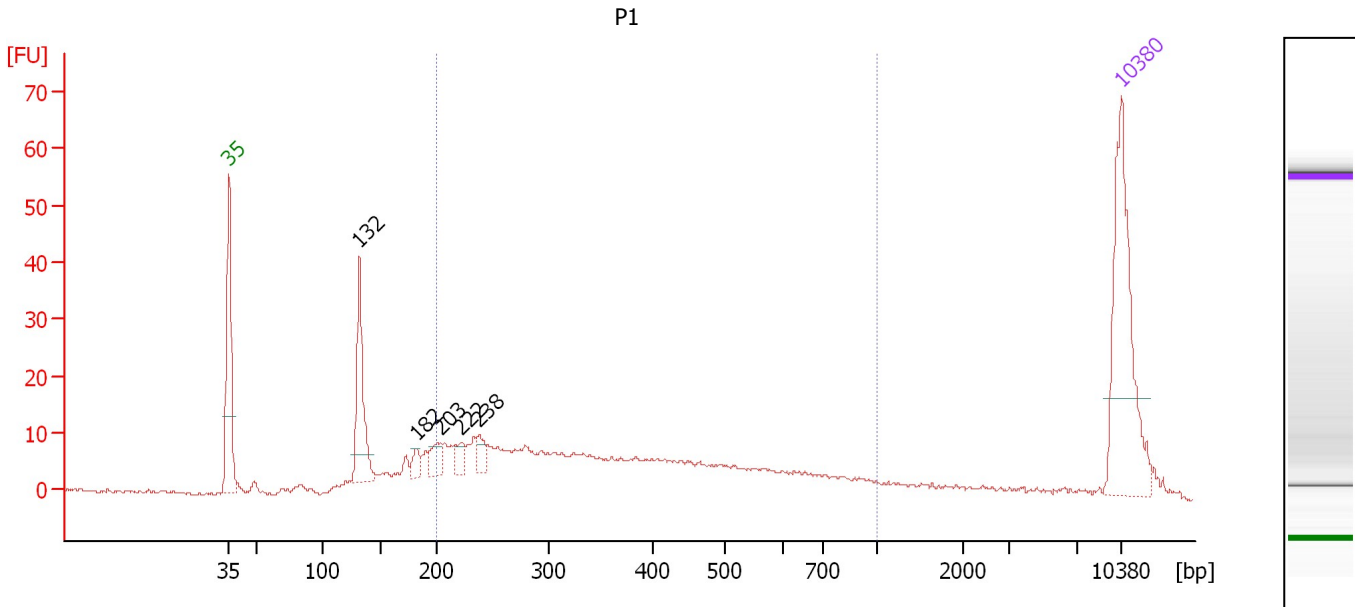
Region table for sample 1 : Lettuce AvaII 96plex

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	366	1,000	273.1	1,996.2	65	41.6	402.02	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 2 : P1

Number of peaks found: 5 Corr. Area 1: 292.7
 Noise: 0.4

Peak table for sample 2 : P1

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	132	68.58	789.5		53.21
3	182	8.48	70.6		57.69
4	203	14.49	108.0		59.57
5	222	9.09	61.9		61.24
6	238	9.78	62.2		62.62
7	10,380	75.00	10.9	Upper Marker	113.00

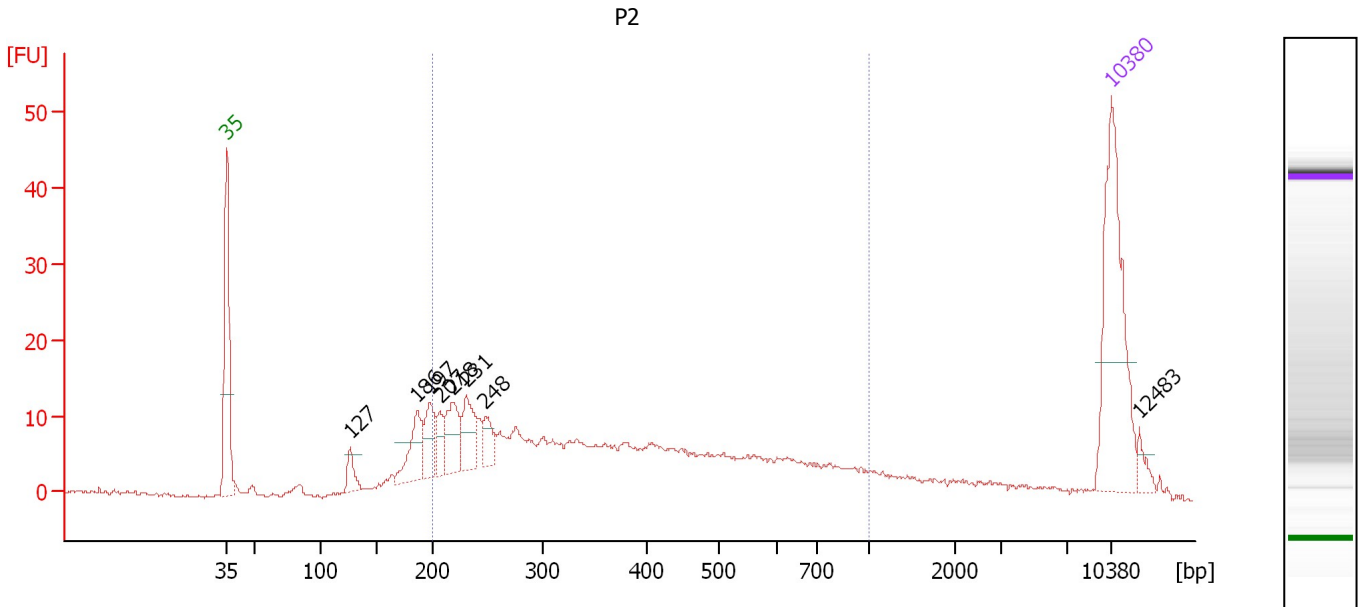
Region table for sample 2 : P1

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	401	1,000	292.7	1,597.7	67	42.7	341.23	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 3 : P2

Number of peaks found: 8 Corr. Area 1: 319.4
 Noise: 0.3

Peak table for sample 3 : P2

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	13.31	159.4		52.75
3	186	31.39	255.3		58.07
4	197	25.75	197.6		59.04
5	207	13.27	97.3		59.85
6	218	30.61	212.7		60.86
7	231	27.26	179.1		61.96
8	248	14.44	88.2		63.48
9	10,380	75.00	10.9	Upper Marker	113.00
10	12,483	0.00	0.0		115.20

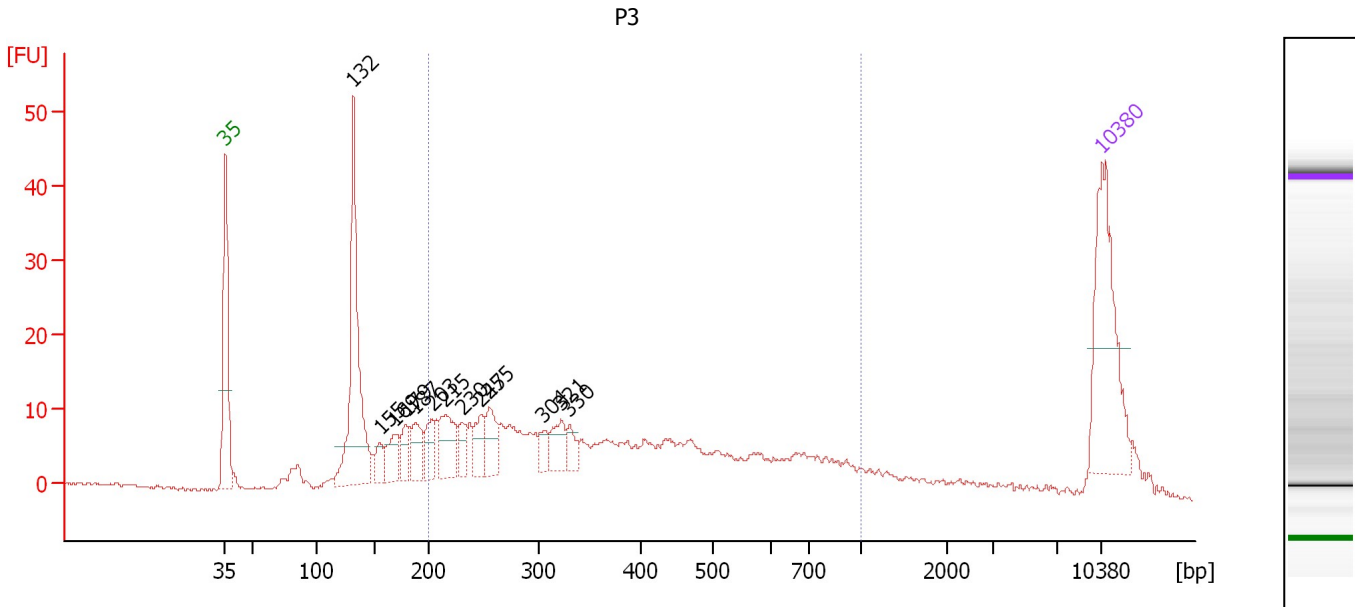
Region table for sample 3 : P2

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	400	1,000	319.4	2,240.6	76	44.2	470.64	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 4 : P3

Number of peaks found: 13 Corr. Area 1: 324.1
 Noise: 0.3

Peak table for sample 4 : P3

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	132	165.23	1,900.7		53.22
3	155	14.83	144.6		55.35
4	169	25.90	232.3		56.54
5	179	18.74	158.9		57.39
6	187	25.56	207.3		58.12
7	203	22.83	170.6		59.52
8	215	41.43	292.1		60.59
9	230	13.58	89.4		61.91
10	247	21.63	132.9		63.35
11	255	25.78	153.3		64.08
12	304	10.75	53.5		68.38
13	321	20.10	94.7		69.78
14	330	11.14	51.2		70.46
15	10,380	75.00	10.9	Upper Marker	113.00

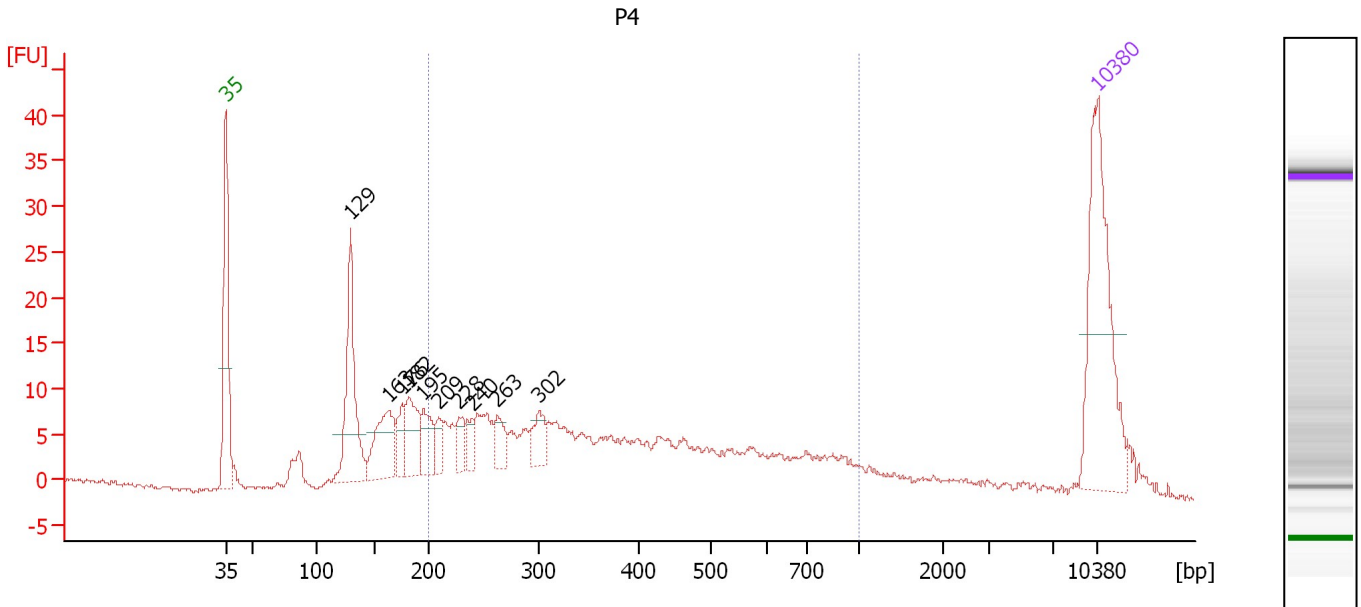
Region table for sample 4 : P3

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	409	1,000	324.1	2,494.3	63	43.8	536.70	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 5 : P4

Number of peaks found: 10 Corr. Area 1: 254.1
 Noise: 0.3

Peak table for sample 5 : P4

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	129	82.68	967.4		53.02
3	163	46.25	428.7		56.06
4	176	16.96	146.3		57.13
5	182	32.42	270.0		57.69
6	195	21.25	165.1		58.84
7	209	10.91	79.2		60.04
8	228	13.02	86.6		61.71
9	240	9.49	60.1		62.74
10	263	13.81	79.6		64.79
11	302	16.07	80.7		68.17
12	10,380	75.00	10.9	Upper Marker	113.00

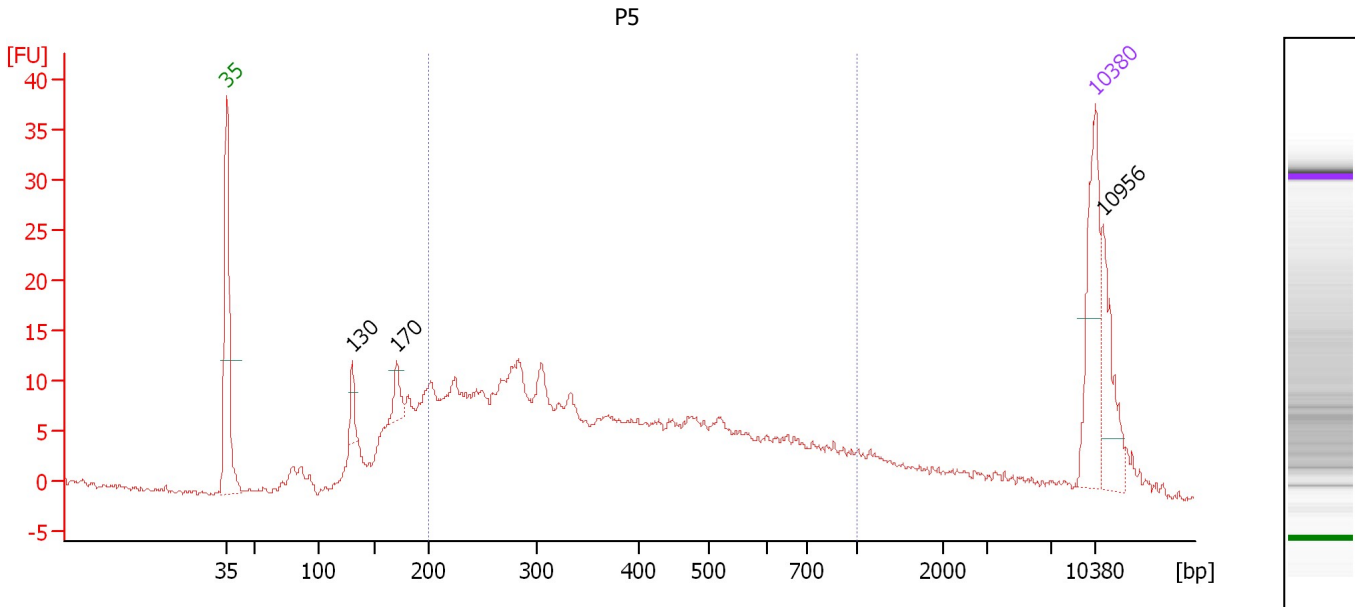
Region table for sample 5 : P4

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	409	1,000	254.1	1,805.0	64	43.7	389.90	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 6 : P5

Number of peaks found: 3 Corr. Area 1: 360.6
 Noise: 0.3

Peak table for sample 6 : P5

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	130	23.57	273.9		53.10
3	170	23.45	208.6		56.66
4	10,380	75.00	10.9	Upper Marker	113.00
5	10,956	0.00	0.0		113.60

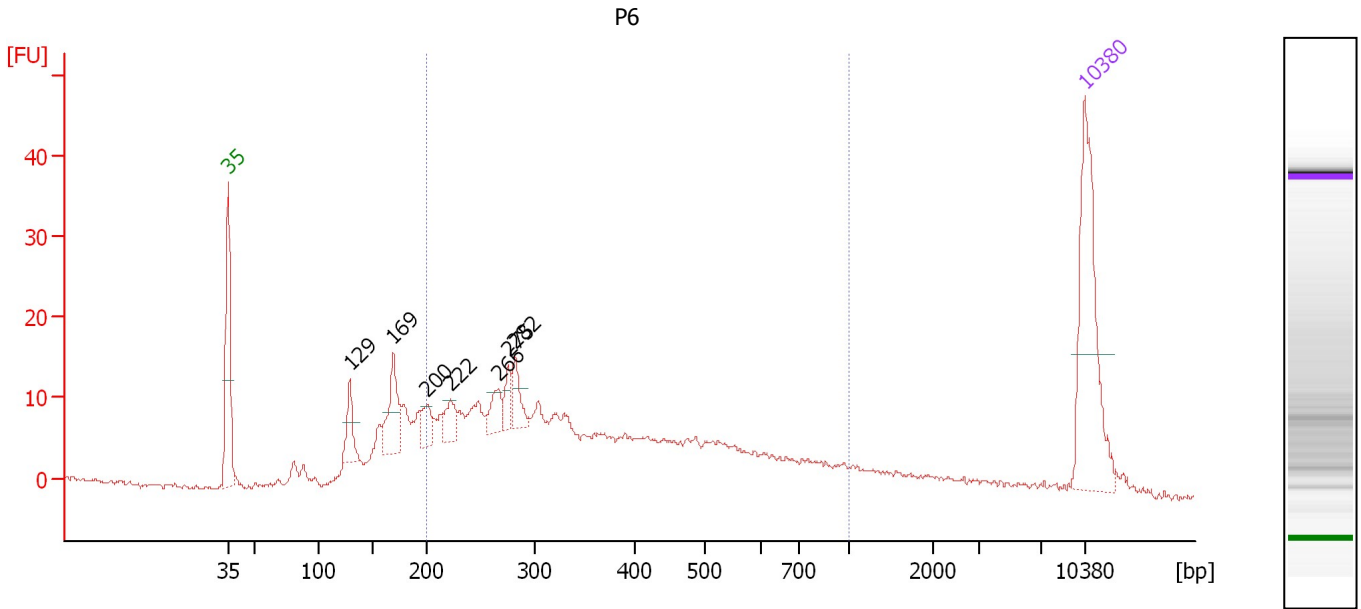
Region table for sample 6 : P5

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	408	1,000	360.6	5,015.5	68	43.2	1,086.02	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 7 : P6

Number of peaks found: 7 Corr. Area 1: 327.0
 Noise: 0.4

Peak table for sample 7 : P6

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	129	24.19	285.1		52.93
3	169	40.96	368.3		56.50
4	200	17.39	131.6		59.29
5	222	16.69	113.9		61.21
6	266	16.06	91.4		65.08
7	275	12.78	70.4		65.87
8	282	18.18	97.6		66.48
9	10,380	75.00	10.9	Upper Marker	113.00

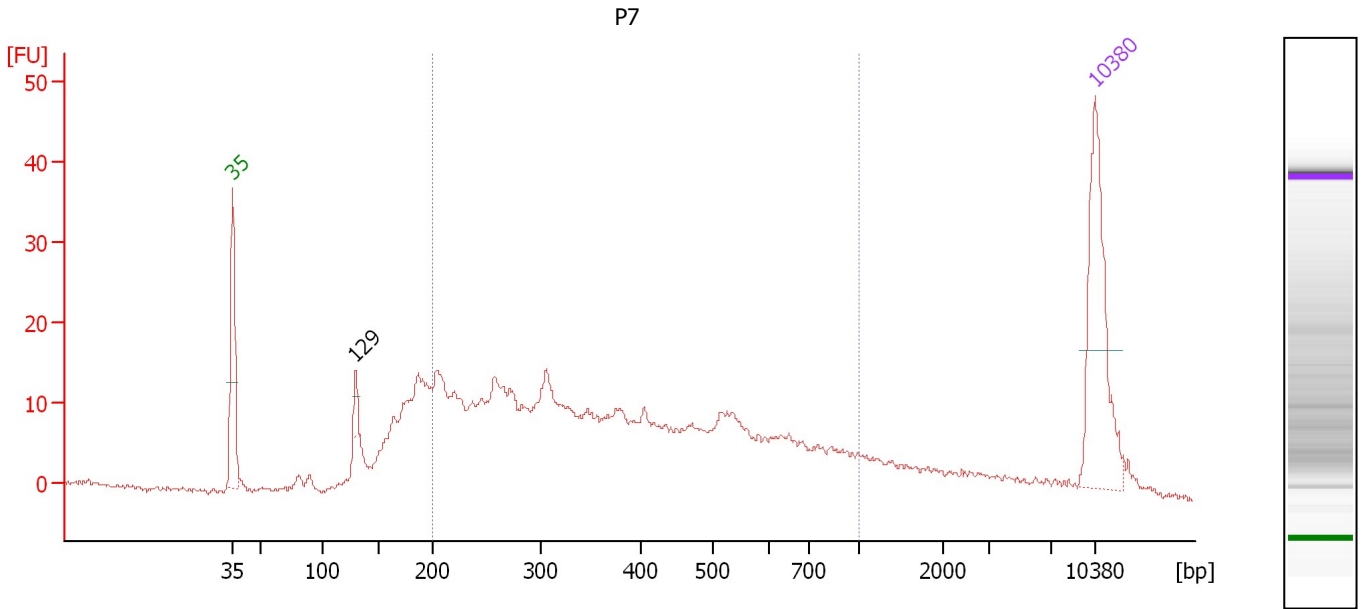
Region table for sample 7 : P6

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	391	1,000	327.0	2,673.0	71	42.6	564.13	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 8 : P7

Number of peaks found: 1 Corr. Area 1: 435.7
 Noise: 0.3

Peak table for sample 8 : P7

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	129	11.18	131.6		52.95
3	10,380	75.00	10.9	Upper Marker	113.00

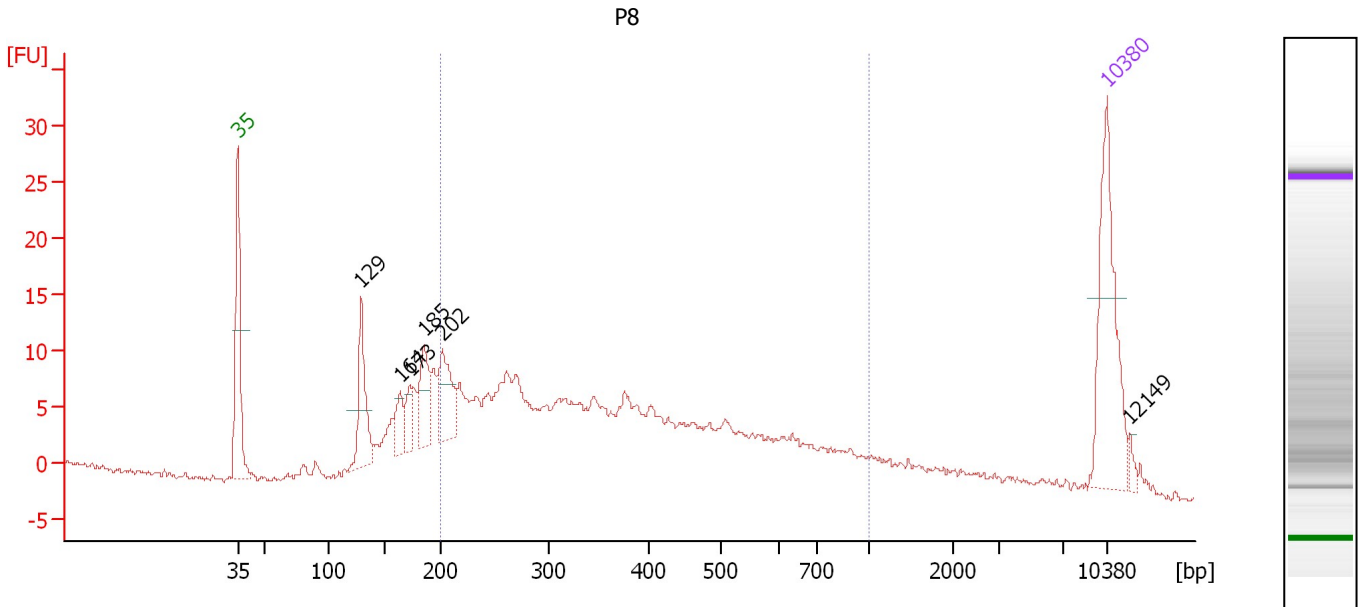
Region table for sample 8 : P7

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	411	1,000	435.7	3,432.3	72	42.8	746.85	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 9 : P8

Number of peaks found: 6 Corr. Area 1: 282.2
 Noise: 0.3

Peak table for sample 9 : P8

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	129	63.44	745.8		52.96
3	164	22.06	203.9		56.10
4	173	17.93	157.3		56.87
5	185	40.83	333.7		57.99
6	202	46.46	347.7		59.49
7	10,380	75.00	10.9	Upper Marker	113.00
8	12,149	0.00	0.0		114.85

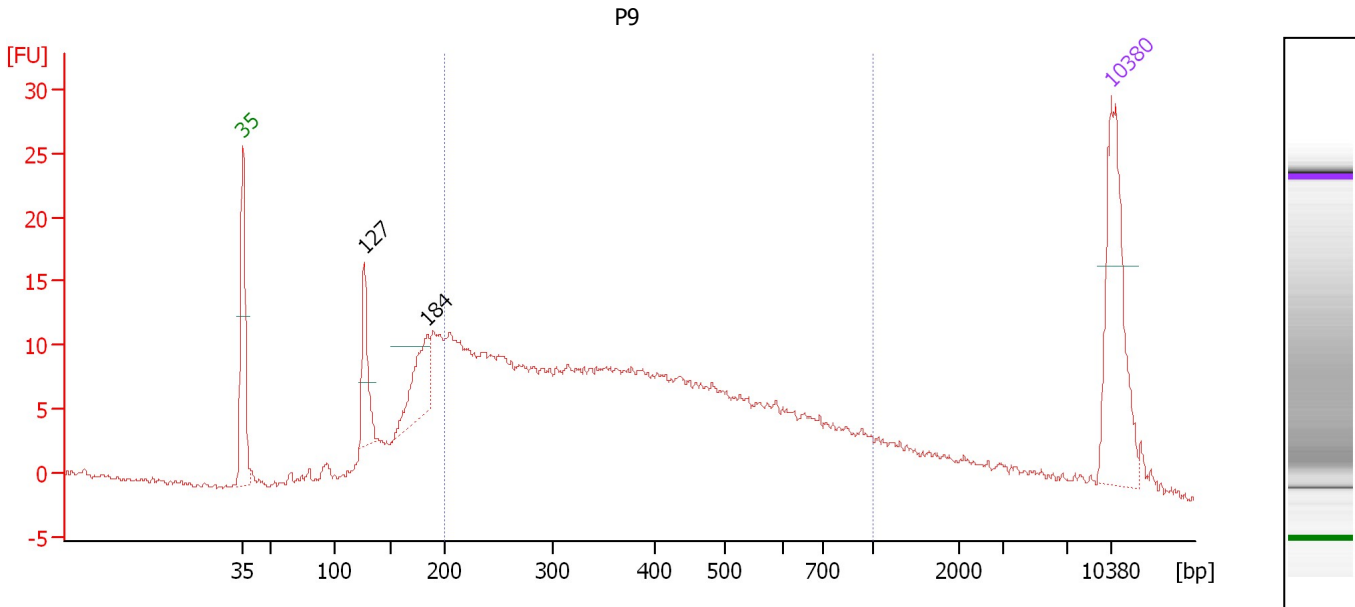
Region table for sample 9 : P8

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	404	1,000	282.2	3,339.0	70	42.6	718.00	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 10 : P9

Number of peaks found: 2 Corr. Area 1: 381.5
 Noise: 0.2

Peak table for sample 10 : P9

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	49.90	597.3		52.75
3	184	53.80	443.0		57.87
4	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 10 : P9

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Color
200	412	1,000	381.5	4,501.0	72	42.2	986.88	Blue

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Invalid Samples

Sample 11 has not been run, no results available.