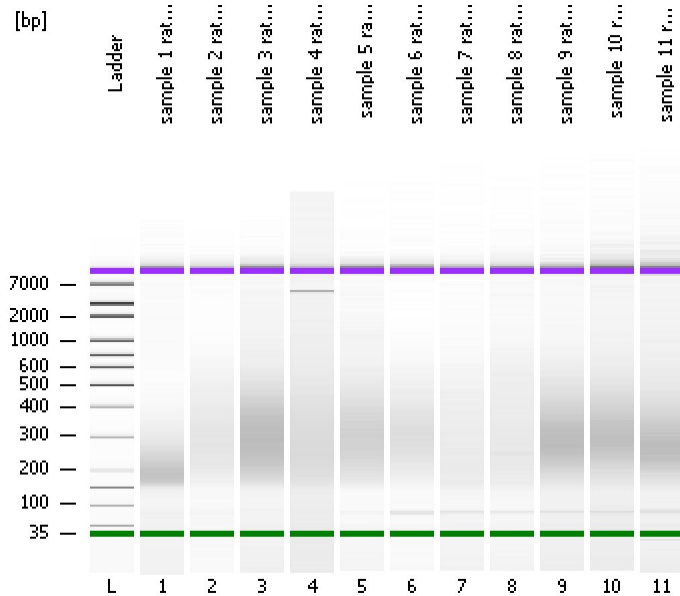


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-06\2015-02-06_007.xad

Created: 2/6/2015 3:28:33 PM
Modified: 2/6/2015 4:11:22 PM

Electrophoresis File Run Summary



Instrument Information:

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

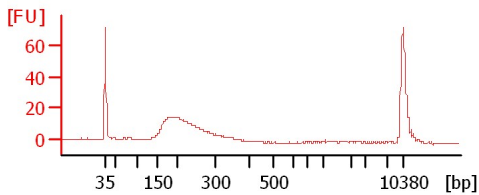
Assay Information:

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

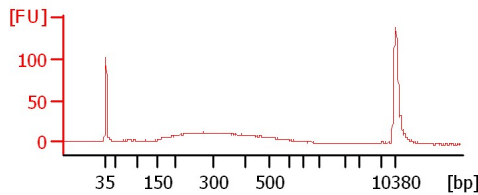
Chip Information:

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

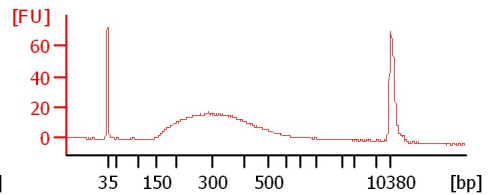
sample 1 rat p50hyp NH1 1



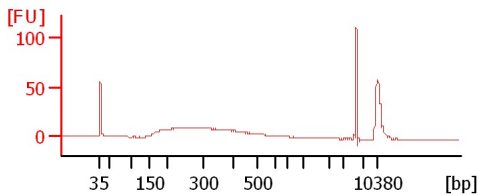
sample 2 rat p50hyp NH1 2



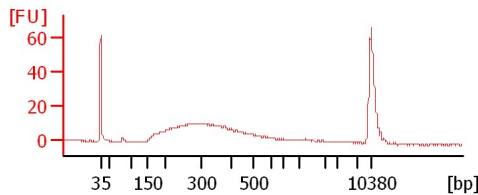
sample 3 rat p50 hyp NH1 3



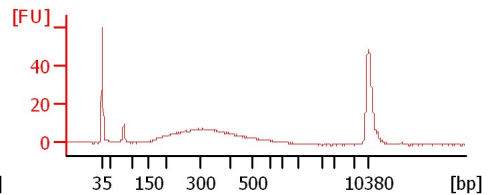
sample 4 rat p50 hyp NH1 5



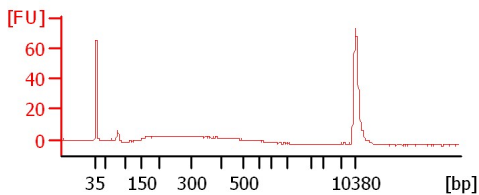
sample 5 rat p50 hyp NH17



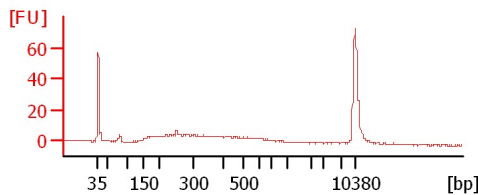
sample 6 rat p50 hyp NH1 8



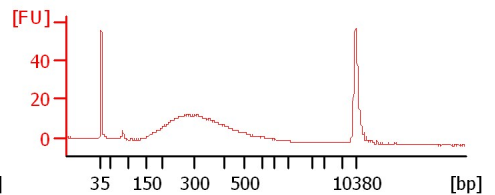
sample 7 rat p50 hyp H1 1



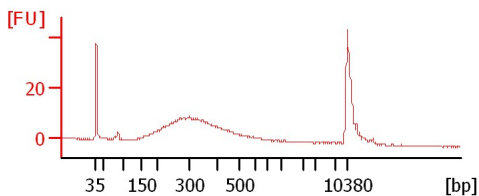
sample 8 rat p50 hyp H1 2



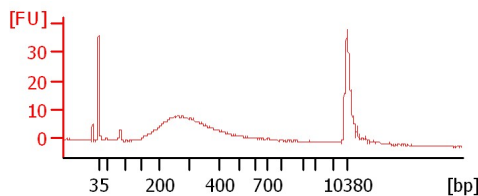
sample 9 rat p50 hyp H1 3



sample 10 rat p50hyp H3 4



sample 11 rat p50hyp h3 5



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-06\2015-02-06_007.xad

Created: 2/6/2015 3:28:33 PM
Modified: 2/6/2015 4:11:22 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 1 rat p50hyp NH1 1		<input type="checkbox"/>	✓			
sample 2 rat p50hyp NH1 2		<input type="checkbox"/>	✓			
sample 3 rat p50 hyp NH1 3		<input type="checkbox"/>	✓			
sample 4 rat p50 hyp NH1 5		<input type="checkbox"/>	✓			
sample 5 rat p50 hyp NH17		<input type="checkbox"/>	✓			
sample 6 rat p50 hyp NH1 8		<input type="checkbox"/>	✓			
sample 7 rat p50 hyp H1 1		<input type="checkbox"/>	✓			
sample 8 rat p50 hyp H1 2		<input type="checkbox"/>	✓			
sample 9 rat p50 hyp H1 3		<input type="checkbox"/>	✓			
sample 10 rat p50hyp H3 4		<input type="checkbox"/>	✓			
sample 11 rat p50hyp h3 5		<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\2015-02-06\2015-02-06_007.xad

Created: 2/6/2015 3:28:33 PM
Modified: 2/6/2015 4:11:22 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

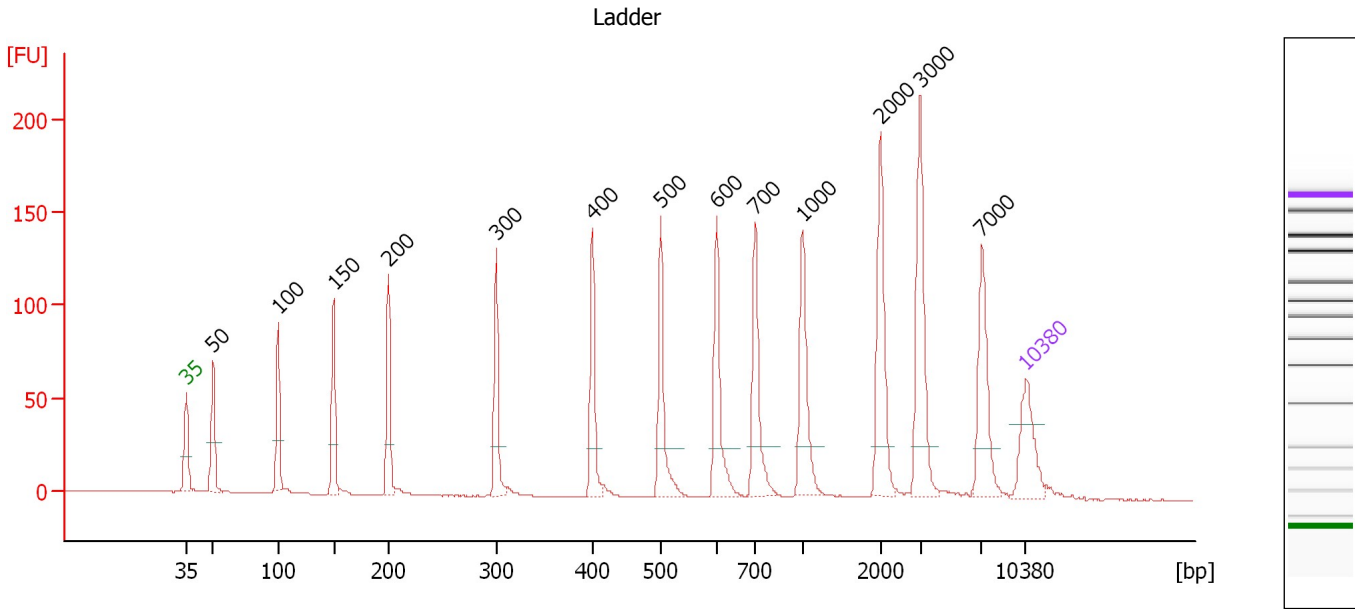
Ladder

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\2015-02-06\2015-02-06_007.xad

Created: 2/6/2015 3:28:33 PM
 Modified: 2/6/2015 4:11:22 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

Peak table for Ladder

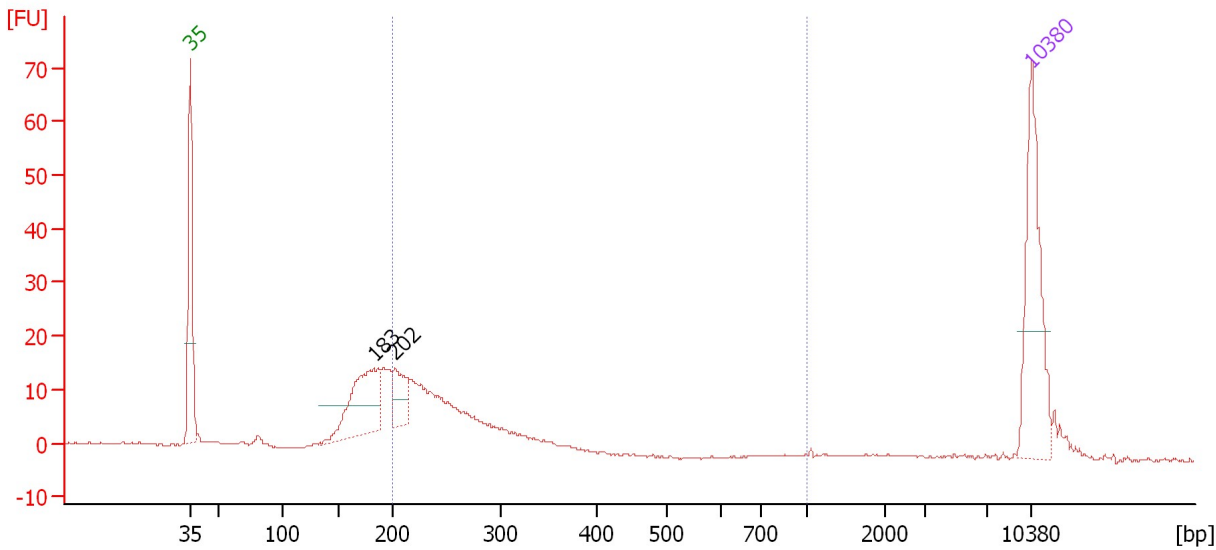
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.27
3	100	150.00	2,272.7	Ladder Peak	50.69
4	150	150.00	1,515.2	Ladder Peak	55.31
5	200	150.00	1,136.4	Ladder Peak	59.89
6	300	150.00	757.6	Ladder Peak	68.87
7	400	150.00	568.2	Ladder Peak	76.87
8	500	150.00	454.5	Ladder Peak	82.60
9	600	150.00	378.8	Ladder Peak	87.22
10	700	150.00	324.7	Ladder Peak	90.47
11	1,000	150.00	227.3	Ladder Peak	94.38
12	2,000	150.00	113.6	Ladder Peak	100.91
13	3,000	150.00	75.8	Ladder Peak	104.20
14	7,000	150.00	32.5	Ladder Peak	109.36
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-06\2015-02-06_007.xad

Created: 2/6/2015 3:28:33 PM
Modified: 2/6/2015 4:11:22 PM

Electropherogram Summary Continued ...

sample 1 rat p50hyp NH1 1



Overall Results for sample 1 : sample 1 rat p50hyp NH1 1

Number of peaks found: 2 Corr. Area 1: 155.1
Noise: 0.1

Peak table for sample 1 : sample 1 rat p50hyp NH1 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	183	92.13	763.6		58.31
3	202	35.87	269.4		60.05
4	10,380	75.00	10.9	Upper Marker	113.00

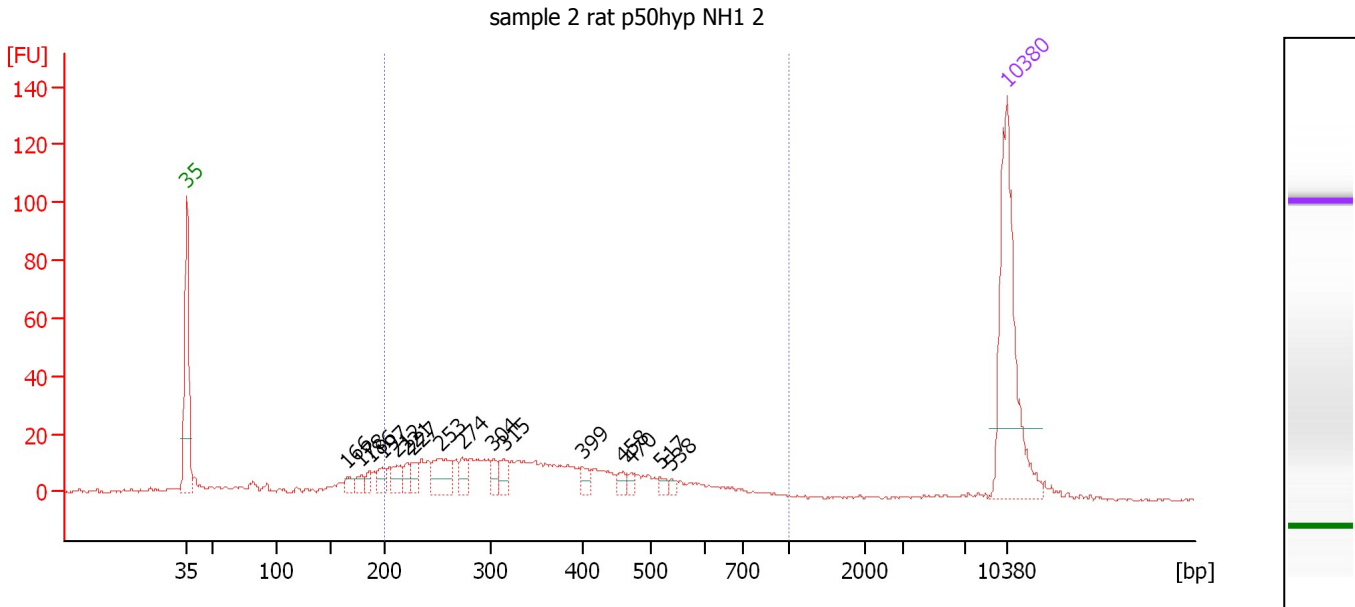
Region table for sample 1 : sample 1 rat p50hyp NH1 1

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	252	1,000	155.1	54	16.8	213.07	1,308.6	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-06\2015-02-06_007.xad

Created: 2/6/2015 3:28:33 PM
 Modified: 2/6/2015 4:11:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : sample 2 rat p50hyp NH1 2

Number of peaks found: 16 Corr. Area 1: 389.6
 Noise: 0.5

Peak table for sample 2 : sample 2 rat p50hyp NH1 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	166	6.41	58.7		56.74
3	178	6.51	55.5		57.87
4	186	5.53	44.9		58.65
5	197	8.51	65.3		59.65
6	212	11.76	84.0		60.97
7	221	7.41	50.8		61.78
8	227	8.19	54.6		62.33
9	253	23.91	143.5		64.60
10	274	9.78	54.1		66.52
11	304	6.77	33.7		69.20
12	315	10.16	48.9		70.06
13	399	6.27	23.8		76.79
14	458	4.85	16.0		80.21
15	470	3.71	12.0		80.89
16	517	3.75	11.0		83.39
17	538	2.18	6.1		84.35
18	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 2 : sample 2 rat p50hyp NH1 2

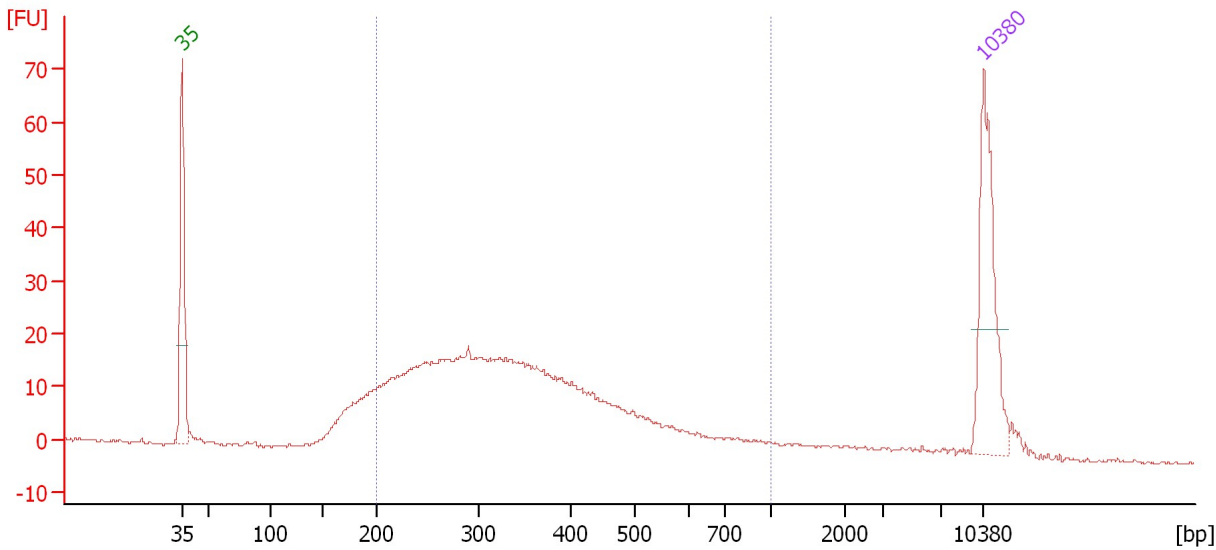
From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	364	1,000	389.6	78	34.4	245.98	1,181.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-06\2015-02-06_007.xad

Created: 2/6/2015 3:28:33 PM
 Modified: 2/6/2015 4:11:22 PM

Electropherogram Summary Continued ...

sample 3 rat p50 hyp NH1 3



Overall Results for sample 3 : sample 3 rat p50 hyp NH1 3

Number of peaks found: 0 Corr. Area 1: 523.2
 Noise: 0.3

Peak table for sample 3 : sample 3 rat p50 hyp NH1 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	10,380	75.00	10.9	Upper Marker	113.00

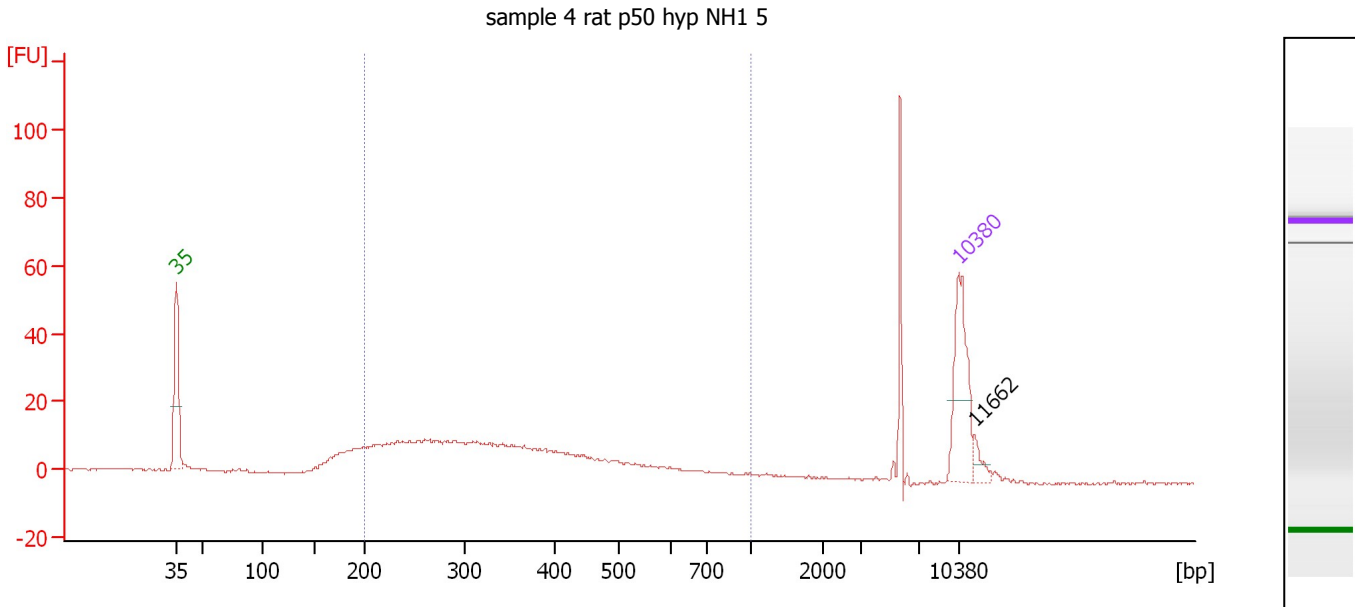
Region table for sample 3 : sample 3 rat p50 hyp NH1 3

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	362	1,000	523.2	84	36.5	636.46	3,068.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-06\2015-02-06_007.xad

Created: 2/6/2015 3:28:33 PM
 Modified: 2/6/2015 4:11:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : sample 4 rat p50 hyp NH1 5

Number of peaks found: 1 Corr. Area 1: 299.6
 Noise: 0.3

Peak table for sample 4 : sample 4 rat p50 hyp NH1 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	10,380	75.00	10.9	Upper Marker	113.00
3	11,662	0.00	0.0		114.38

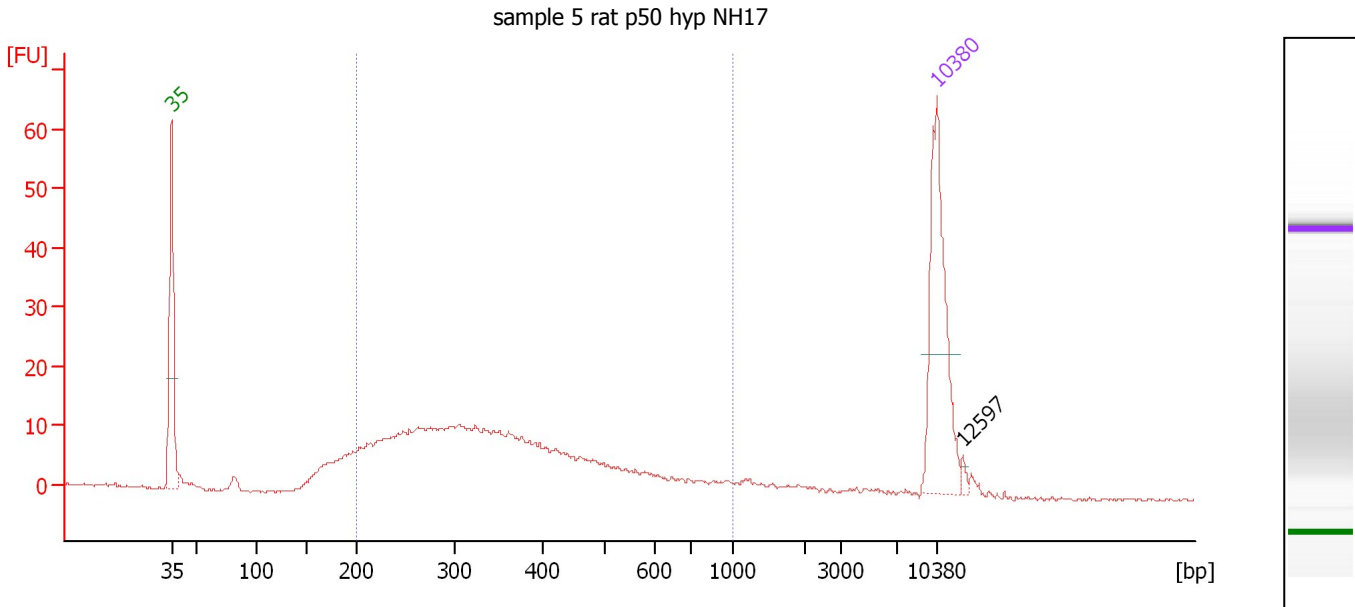
Region table for sample 4 : sample 4 rat p50 hyp NH1 5

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	359	1,000	299.6	76	36.5	460.60	2,247.2	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-06\2015-02-06_007.xad

Created: 2/6/2015 3:28:33 PM
 Modified: 2/6/2015 4:11:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : sample 5 rat p50 hyp NH17

Number of peaks found: 1 Corr. Area 1: 322.2
 Noise: 0.3

Peak table for sample 5 : sample 5 rat p50 hyp NH17

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	10,380	75.00	10.9	Upper Marker	113.00
3	12,597	0.00	0.0		115.39

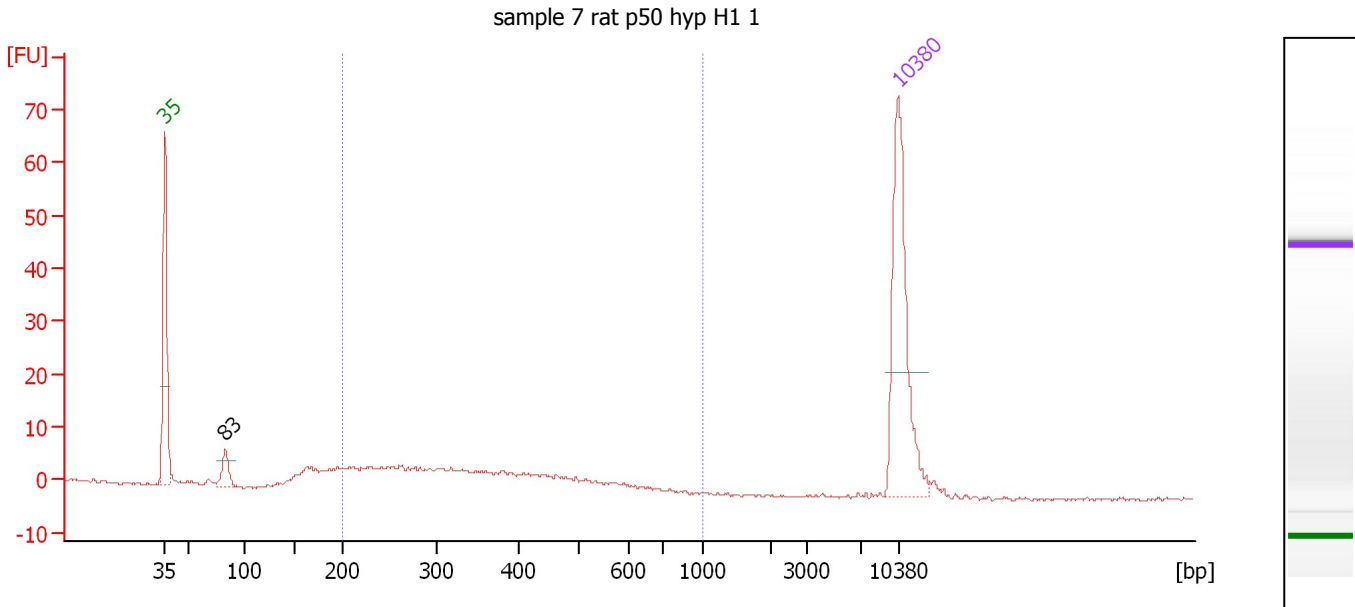
Region table for sample 5 : sample 5 rat p50 hyp NH17

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	370	1,000	322.2	83	38.1	386.52	1,843.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-06\2015-02-06_007.xad

Created: 2/6/2015 3:28:33 PM
 Modified: 2/6/2015 4:11:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : sample 7 rat p50 hyp H1 1

Number of peaks found: 1 Corr. Area 1: 98.4
 Noise: 0.3

Peak table for sample 7 : sample 7 rat p50 hyp H1 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	83	15.64	287.0		48.80
3	10,380	75.00	10.9	Upper Marker	113.00

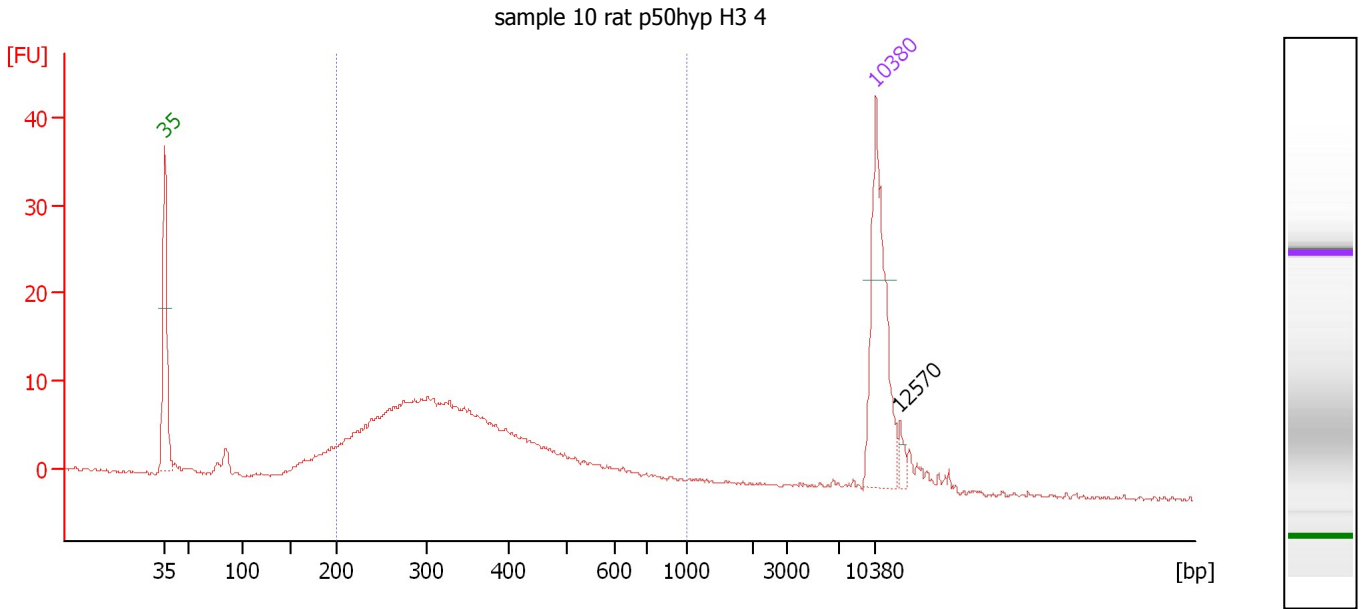
Region table for sample 7 : sample 7 rat p50 hyp H1 1

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	344	1,000	98.4	75	29.9	109.56	542.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-06\2015-02-06_007.xad

Created: 2/6/2015 3:28:33 PM
 Modified: 2/6/2015 4:11:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : sample 10 rat p50hyp H3 4

Number of peaks found: 1 Corr. Area 1: 228.5
 Noise: 0.2

Peak table for sample 10 : sample 10 rat p50hyp H3 4

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	10,380	75.00	10.9	Upper Marker	113.00
3	12,570	0.00	0.0		115.36

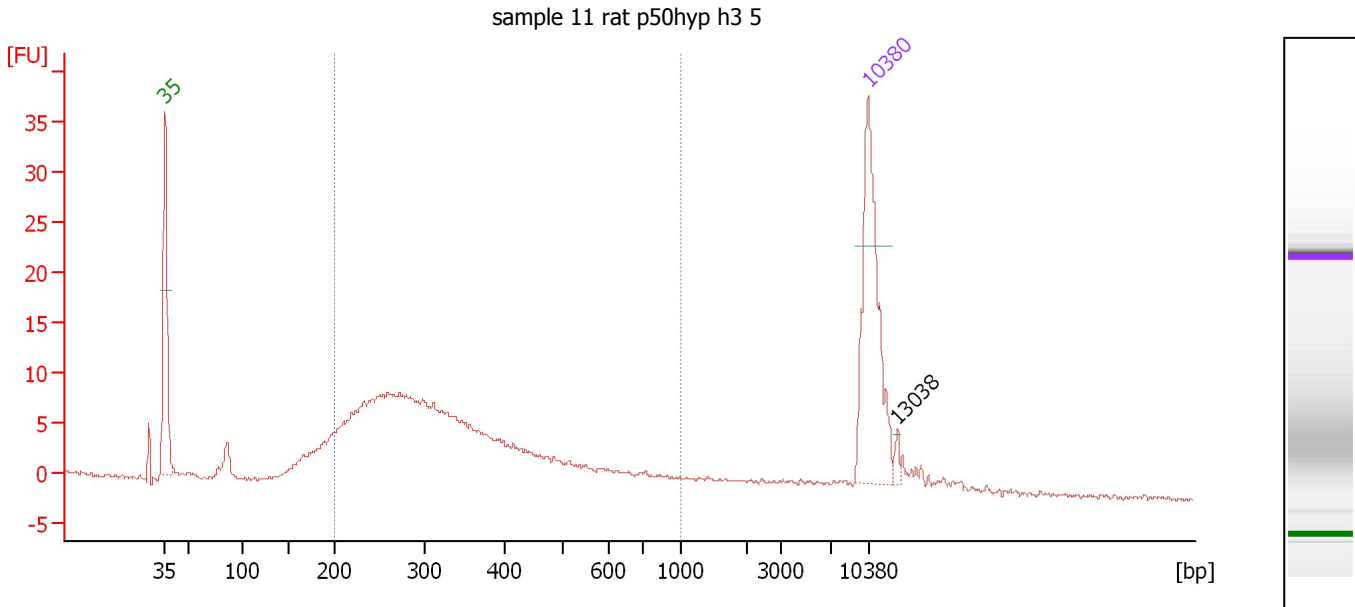
Region table for sample 10 : sample 10 rat p50hyp H3 4

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	359	1,000	228.5	83	34.4	431.00	2,061.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-06\2015-02-06_007.xad

Created: 2/6/2015 3:28:33 PM
 Modified: 2/6/2015 4:11:22 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11 rat p50hyp h3 5

Number of peaks found: 1 Corr. Area 1: 209.4
 Noise: 0.2

Peak table for sample 11 : sample 11 rat p50hyp h3 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	10,380	75.00	10.9	Upper Marker	113.00
3	13,038	0.00	0.0		115.87

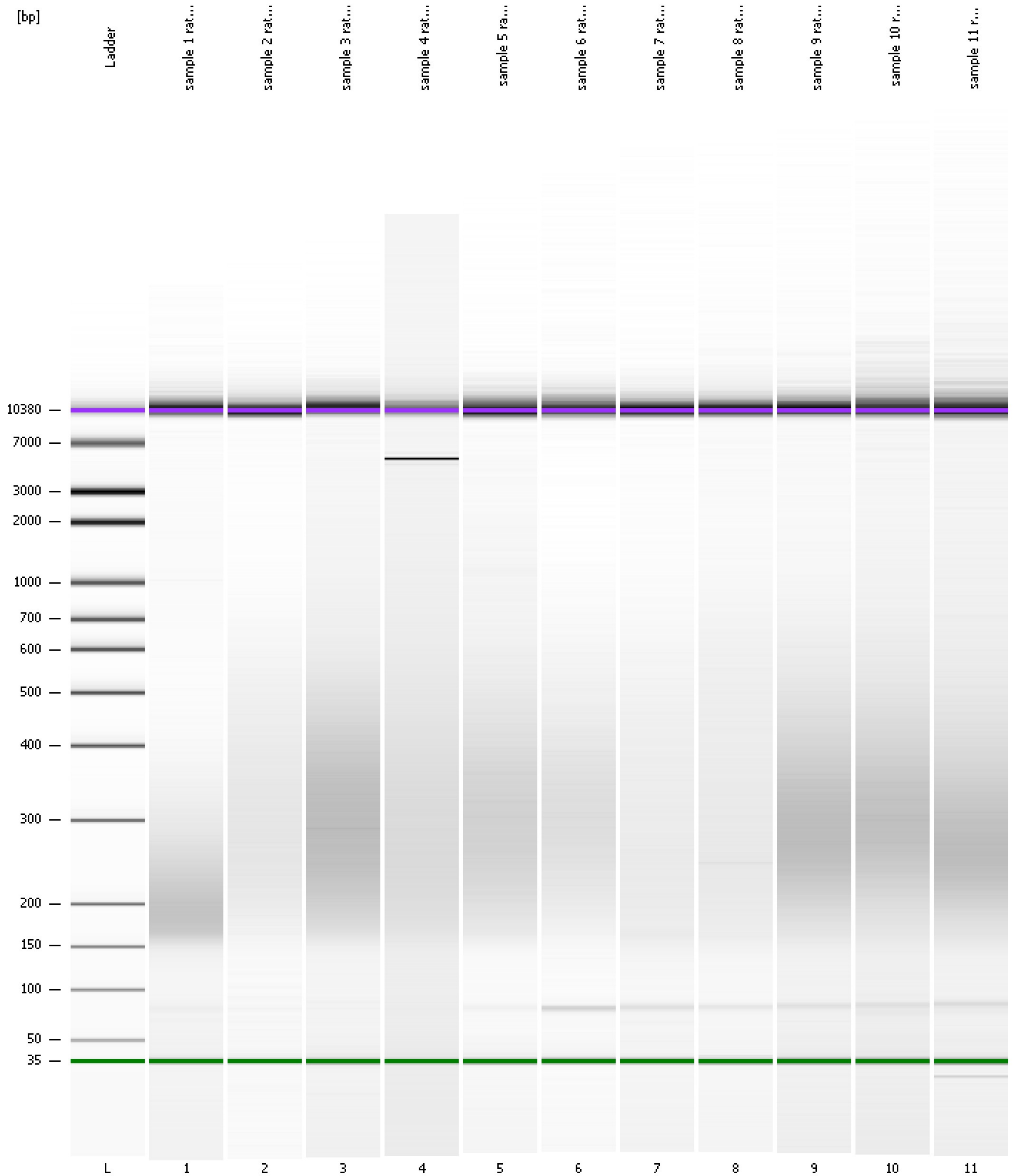
Region table for sample 11 : sample 11 rat p50hyp h3 5

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	350	1,000	209.4	77	38.6	409.99	2,047.8	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-06\2015-02-06_007.xad

Created: 2/6/2015 3:28:33 PM
Modified: 2/6/2015 4:11:22 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-06\2015-02-06_007.xad

Created: 2/6/2015 3:28:33 PM
 Modified: 2/6/2015 4:11:22 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		2/6/2015 4:09:49 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-02-06\2015-02-06_007.xad)		Instrument	Run		2/6/2015 3:28:38 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		2/6/2015 3:28:38 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		2/6/2015 3:28:38 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		2/6/2015 3:28:38 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		2/6/2015 3:28:38 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		2/6/2015 3:28:38 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		2/6/2015 3:28:38 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1