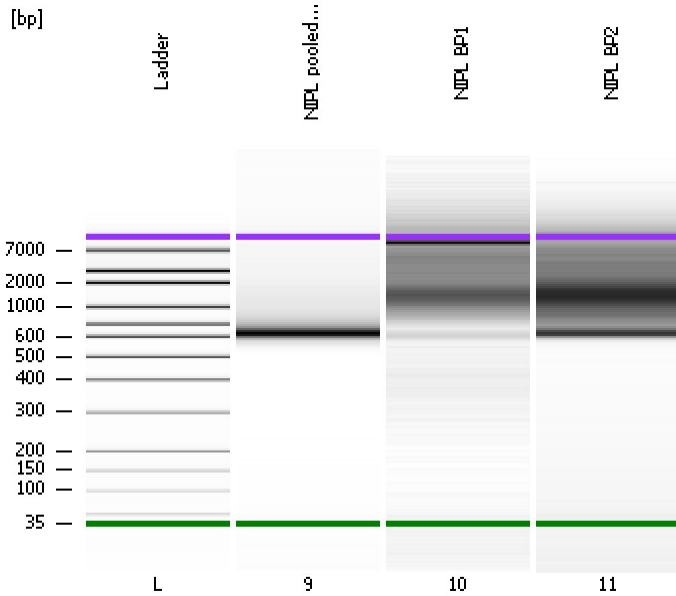


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...nalyzer\2015-11-19\2015-11-19_002_NIPL_TestPool_BP1_BP2.xad

Created: 11/19/2015 10:44:58 AM
Modified: 11/19/2015 11:28:59 AM

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

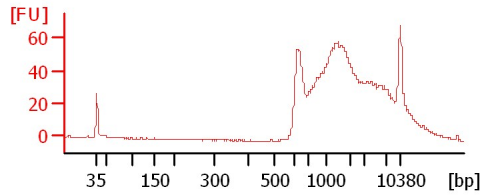
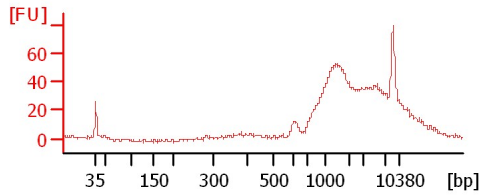
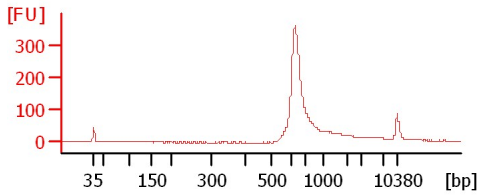
Chip Information:

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

NIPL pooled test library 11/18/15

NIPL BP1

NIPL BP2



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...nalyzer\2015-11-19\2015-11-19_002_NIPL_TestPool_BP1_BP2.xad

Created: 11/19/2015 10:44:58 AM
Modified: 11/19/2015 11:28:59 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
NIPL pooled test library	11/18/15	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
NIPL BP1		<input type="checkbox"/>	<input checked="" type="checkbox"/>			
NIPL BP2		<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Ladder		<input type="checkbox"/>	<input checked="" type="checkbox"/>			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...alyzer\2015-11-19\2015-11-19_002_NIPL_TestPool_BP1_BP2.xad

Created: 11/19/2015 10:44:58 AM
Modified: 11/19/2015 11:28:59 AM

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

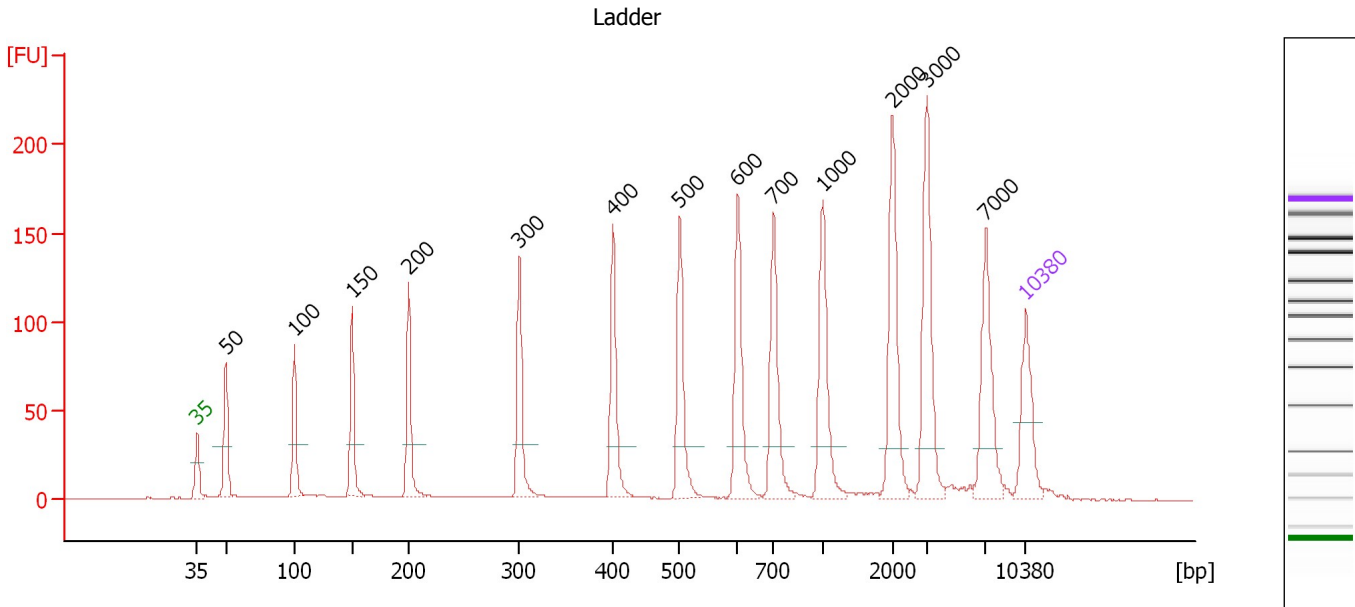
Ladder

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:\...analyzer\2015-11-19\2015-11-19_002_NIPL_TestPool_BP1_BP2.xad

Created: 11/19/2015 10:44:58 AM
 Modified: 11/19/2015 11:28:59 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

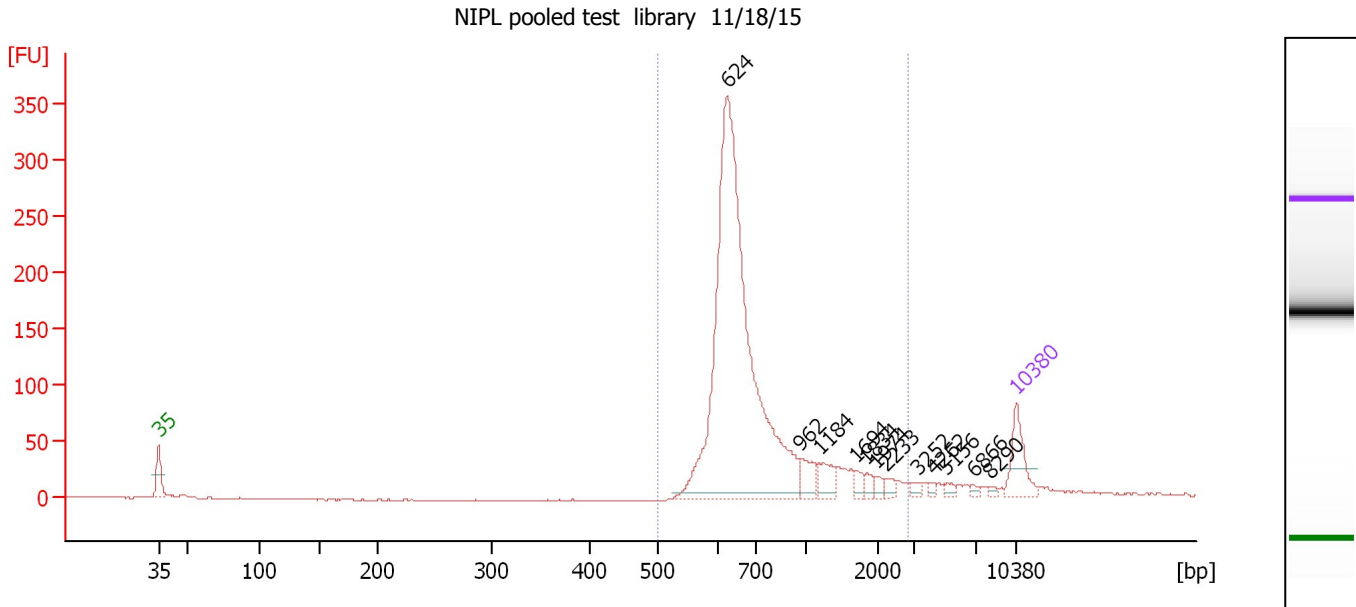
Peak table for Ladder

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	45.43
3	100	150.00	2,272.7	Ladder Peak	51.20
4	150	150.00	1,515.2	Ladder Peak	56.11
5	200	150.00	1,136.4	Ladder Peak	60.88
6	300	150.00	757.6	Ladder Peak	70.21
7	400	150.00	568.2	Ladder Peak	78.14
8	500	150.00	454.5	Ladder Peak	83.77
9	600	150.00	378.8	Ladder Peak	88.68
10	700	150.00	324.7	Ladder Peak	91.69
11	1,000	150.00	227.3	Ladder Peak	95.84
12	2,000	150.00	113.6	Ladder Peak	101.74
13	3,000	150.00	75.8	Ladder Peak	104.62
14	7,000	150.00	32.5	Ladder Peak	109.62
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...analyzer\2015-11-19\2015-11-19_002_NIPL_TestPool_BP1_BP2.xad

Created: 11/19/2015 10:44:58 AM
 Modified: 11/19/2015 11:28:59 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : NIPL pooled test library 11/18/15

Number of peaks found: 12 Corr. Area 1: 1,434.2
 Noise: 0.5

Peak table for sample 9 : NIPL pooled test library 11/18/15

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	624	1,423.24	3,457.4		89.39
3	962	51.28	80.7		95.32
4	1,184	41.94	53.7		96.92
5	1,694	16.99	15.2		99.93
6	1,834	13.82	11.4		100.76
7	1,974	13.70	10.5		101.58
8	2,233	14.30	9.7		102.41
9	3,252	10.75	5.0		104.94
10	4,262	6.93	2.5		106.20
11	5,156	10.09	3.0		107.32
12	6,866	7.30	1.6		109.45
13	8,290	6.30	1.2		110.91
14	10,380	75.00	10.9	Upper Marker	113.00

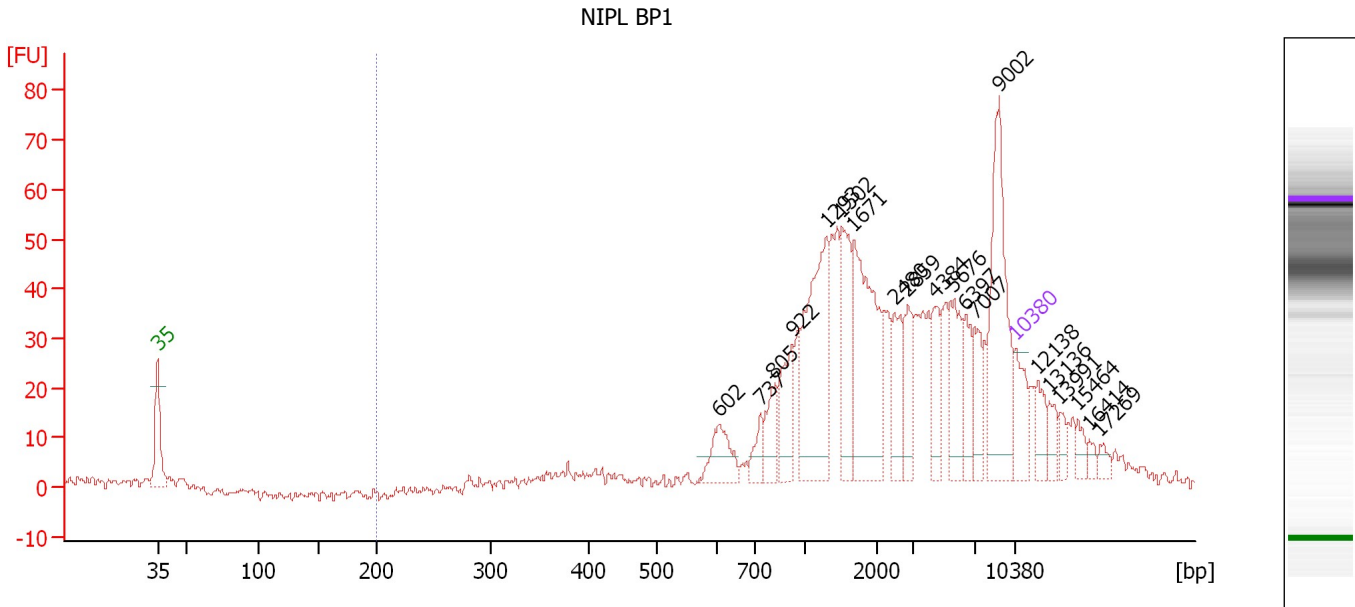
Region table for sample 9 : NIPL pooled test library 11/18/15

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
499	2,848	802	1,434.2	3,405.9	1,580.45	93	47.8

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...alyzer\2015-11-19\2015-11-19_002_NIPL_TestPool_BP1_BP2.xad

Created: 11/19/2015 10:44:58 AM
 Modified: 11/19/2015 11:28:59 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : NIPL BP1

Number of peaks found: 20 Corr. Area 1: 989.2
 Noise: 0.7

Peak table for sample 10 : NIPL BP1

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	602	93.82	236.2		88.73
3	737	44.52	91.6		92.20
4	805	79.54	149.6		93.15
5	922	118.83	195.2		94.76
6	1,293	343.70	402.8		97.57
7	1,502	157.85	159.2		98.80
8	1,671	330.38	299.5		99.80
9	2,480	94.44	57.7		103.12
10	2,859	86.87	46.0		104.21
11	4,384	82.53	28.5		106.35
12	5,676	121.13	32.3		107.97
13	6,397	79.42	18.8		108.87
14	7,007	69.66	15.1		109.63
15	9,002	290.07	48.8		111.62
16	10,380	75.00	10.9	Upper Marker	113.00
17	12,138	0.00	0.0		114.76
18	13,136	0.00	0.0		115.75
19	13,991	0.00	0.0		116.61
20	15,464	0.00	0.0		118.08
21	16,414	0.00	0.0		119.03
22	17,269	0.00	0.0		119.89


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...nalyzer\2015-11-19\2015-11-19_002_NIPL_TestPool_BP1_BP2.xad

Created: 11/19/2015 10:44:58 AM
Modified: 11/19/2015 11:28:59 AM

Electropherogram Summary Continued ...

... Region table for sample 10 :

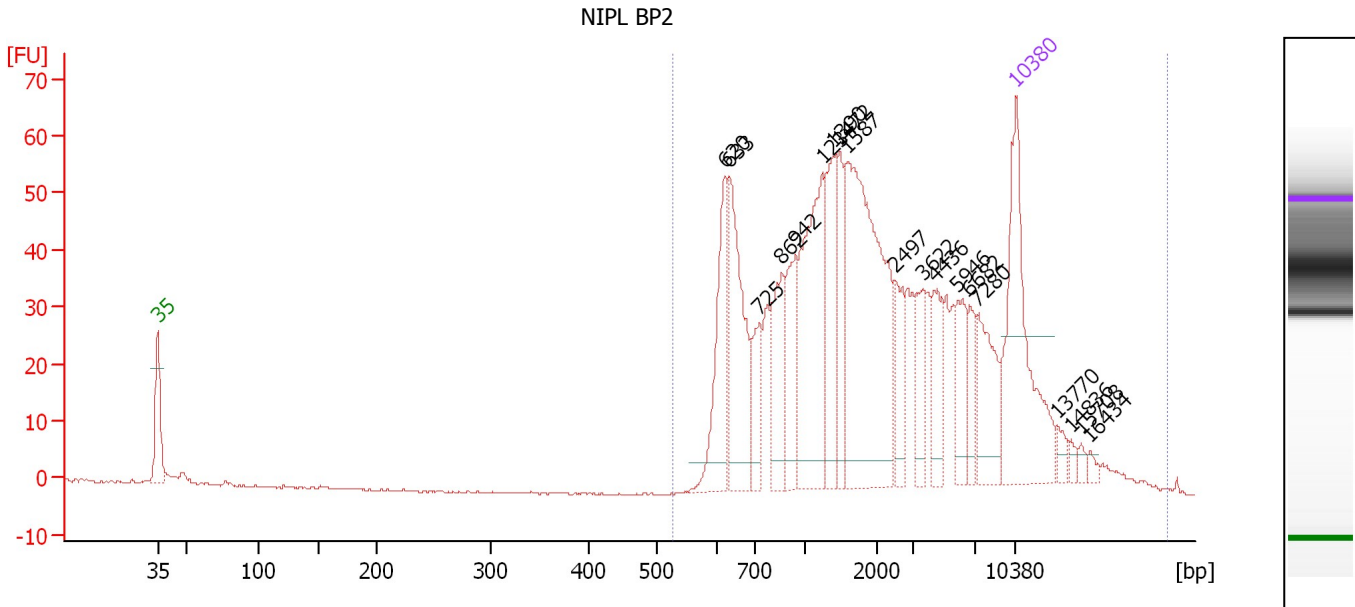
NIPL BP1

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	25,843	5,131	989.2	3,294.7	 3,218.03	97	99.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...alyzer\2015-11-19\2015-11-19_002_NIPL_TestPool_BP1_BP2.xad

Created: 11/19/2015 10:44:58 AM
 Modified: 11/19/2015 11:28:59 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : NIPL BP2

Number of peaks found: 19 Corr. Area 1: 1,002.6
 Noise: 0.2

Peak table for sample 11 : NIPL BP2

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	620	54.64	133.5		89.28
3	633	69.97	167.5		89.67
4	725	25.10	52.5		92.04
5	862	38.34	67.4		93.93
6	942	32.73	52.6		95.04
7	1,234	88.25	108.4		97.22
8	1,390	38.34	41.8		98.14
9	1,472	27.59	28.4		98.62
10	1,587	143.31	136.8		99.30
11	2,497	18.52	11.2		103.17
12	3,622	16.62	7.0		105.40
13	4,436	20.67	7.1		106.42
14	5,946	20.58	5.2		108.30
15	6,682	12.81	2.9		109.22
16	7,280	31.75	6.6		109.90
17	10,380	75.00	10.9	Upper Marker	113.00
18	13,770	0.00	0.0		116.39
19	14,836	0.00	0.0		117.45
20	15,708	0.00	0.0		118.33
21	16,434	0.00	0.0		119.05

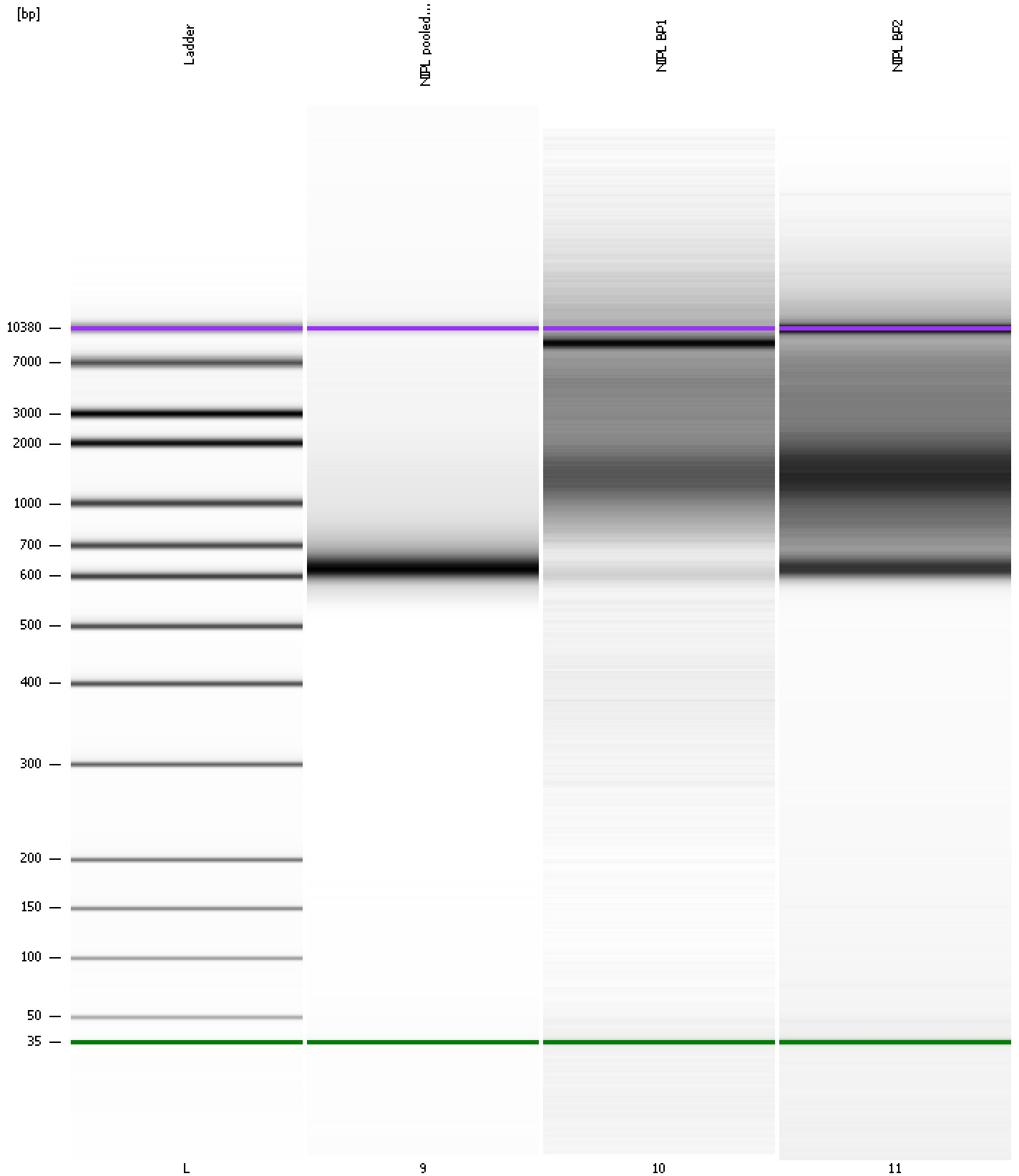
Region table for sample 11 : NIPL BP2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
524	22,763	4,069	1,002.6	893.0	762.84	99	100.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...nalyzer\2015-11-19\2015-11-19_002_NIPL_TestPool_BP1_BP2.xad

Created: 11/19/2015 10:44:58 AM
Modified: 11/19/2015 11:28:59 AM

Gel Image

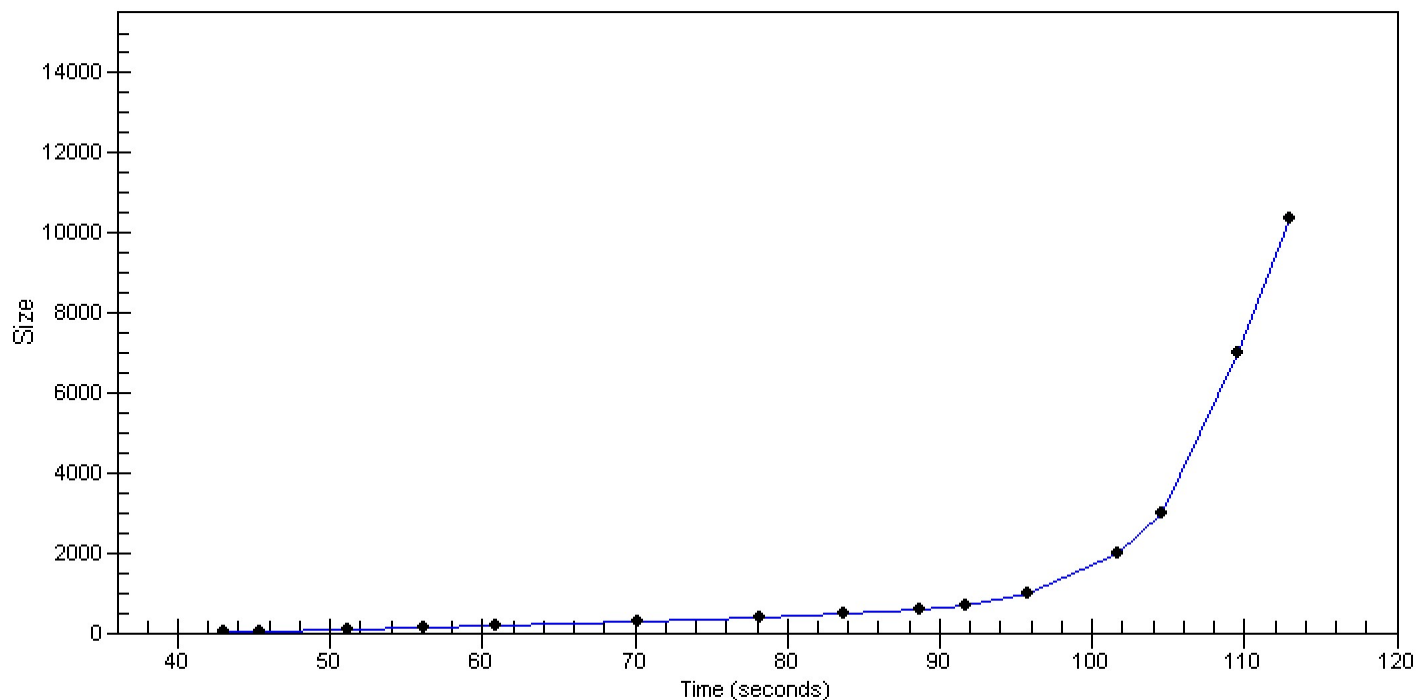


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...alyzer\2015-11-19\2015-11-19_002_NIPL_TestPool_BP1_BP2.xad

Created: 11/19/2015 10:44:58 AM
Modified: 11/19/2015 11:28:59 AM

Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...nalyzer\2015-11-19\2015-11-19_002_NIPL_TestPool_BP1_BP2.xad

Created: 11/19/2015 10:44:58 AM
 Modified: 11/19/2015 11:28:59 AM

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		11/19/2015 11:25:22 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanal yzer\2015-11-19\2015-11-19_002.xad)		Instrument	Run		11/19/2015 10:44:58 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		11/19/2015 10:44:58 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/19/2015 10:44:58 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/19/2015 10:44:58 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		11/19/2015 10:44:58 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/19/2015 10:44:58 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/19/2015 10:44:58 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1