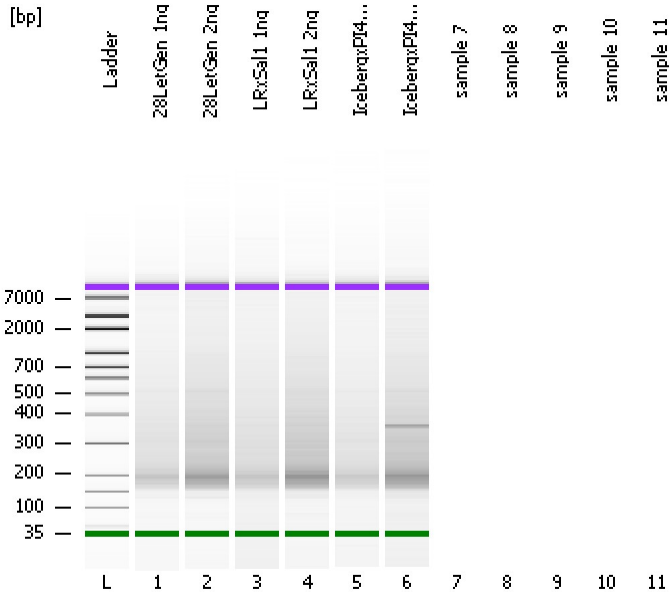


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-21\2015-07-21\_003.xad

Created: 7/21/2015 1:28:55 PM  
Modified: 7/21/2015 2:08:13 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

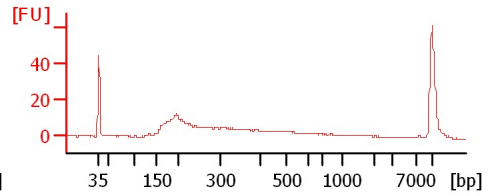
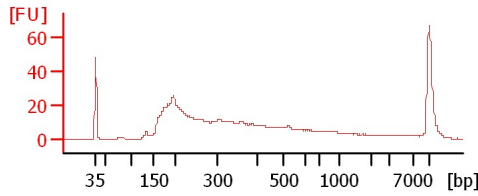
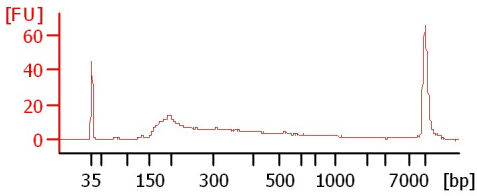
Chip Information:

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

**28LetGen 1ng**

**28LetGen 2ng**

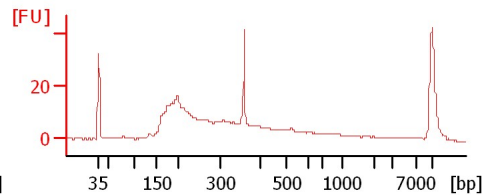
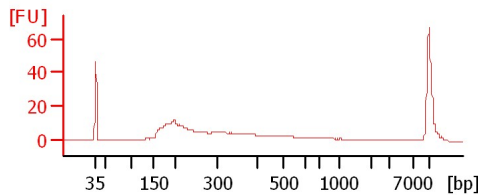
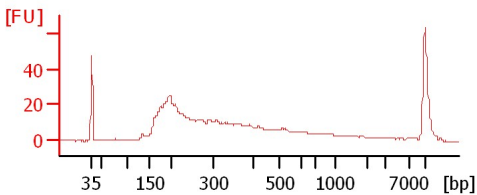
**LRxSal1 1ng**



**LRxSal1 2ng**

**IcebergxPI49-1 1ng**

**IcebergxPI49-1 2ng**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-21\2015-07-21\_003.xad

Created: 7/21/2015 1:28:55 PM  
 Modified: 7/21/2015 2:08:13 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
28LetGen 1ng		<input type="checkbox"/>	✓			
28LetGen 2ng		<input type="checkbox"/>	✓			
LRxSal1 1ng		<input type="checkbox"/>	✓			
LRxSal1 2ng		<input type="checkbox"/>	✓			
IcebergxPI49-1 1ng		<input type="checkbox"/>	✓			
IcebergxPI49-1 2ng		<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\2015-07-21\2015-07-21\_003.xad

Created: 7/21/2015 1:28:55 PM  
Modified: 7/21/2015 2:08:13 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

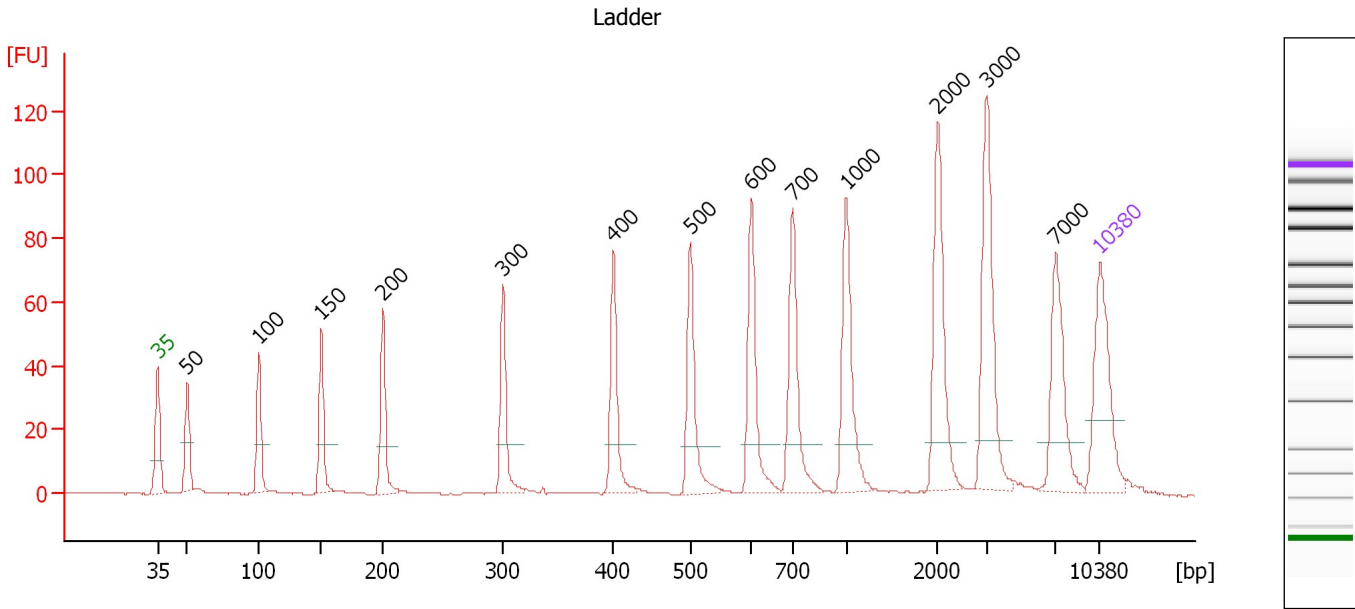
**Ladder**

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\2015-07-21\2015-07-21\_003.xad

Created: 7/21/2015 1:28:55 PM  
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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.1

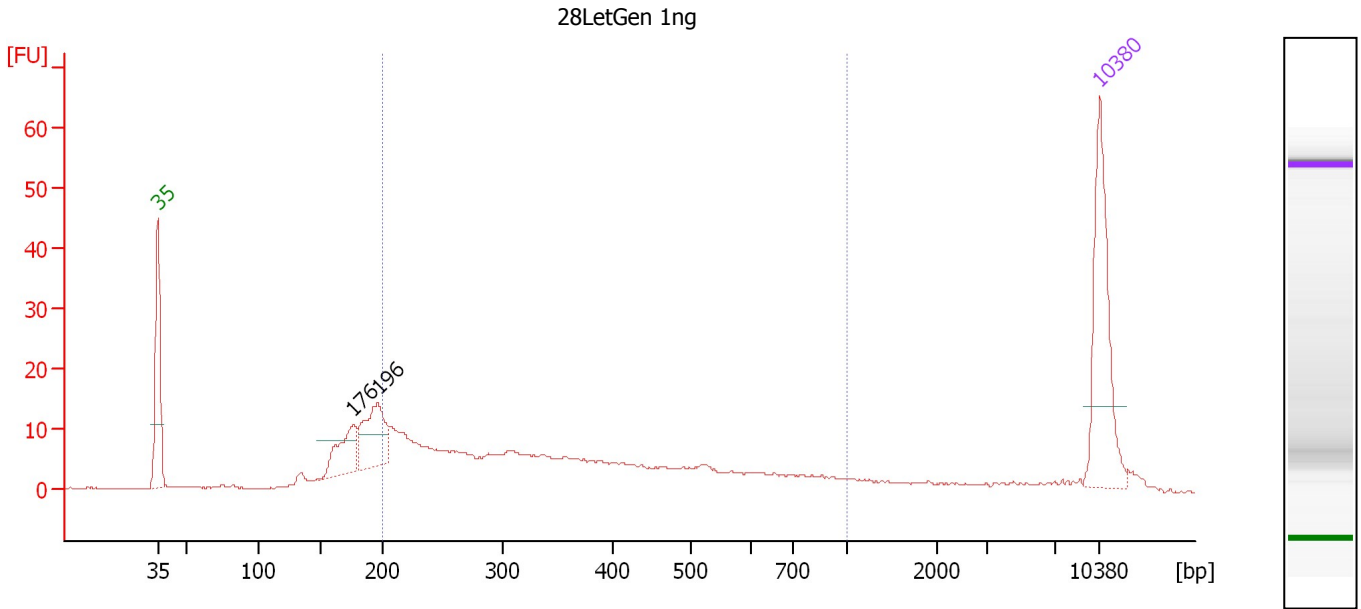
**Peak table for Ladder**

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	50.56
4	150	150.00	1,515.2	Ladder Peak	55.15
5	200	150.00	1,136.4	Ladder Peak	59.75
6	300	150.00	757.6	Ladder Peak	68.68
7	400	150.00	568.2	Ladder Peak	76.85
8	500	150.00	454.5	Ladder Peak	82.57
9	600	150.00	378.8	Ladder Peak	87.11
10	700	150.00	324.7	Ladder Peak	90.18
11	1,000	150.00	227.3	Ladder Peak	94.16
12	2,000	150.00	113.6	Ladder Peak	100.95
13	3,000	150.00	75.8	Ladder Peak	104.63
14	7,000	150.00	32.5	Ladder Peak	109.73
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-21\2015-07-21\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 28LetGen 1ng**

Number of peaks found: 2                      Corr. Area 1: 251.8  
 Noise: 0.1

**Peak table for sample 1 : 28LetGen 1ng**

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	176	43.50	374.2		57.56
3	196	62.15	481.1		59.36
4	10,380	75.00	10.9	Upper Marker	113.00

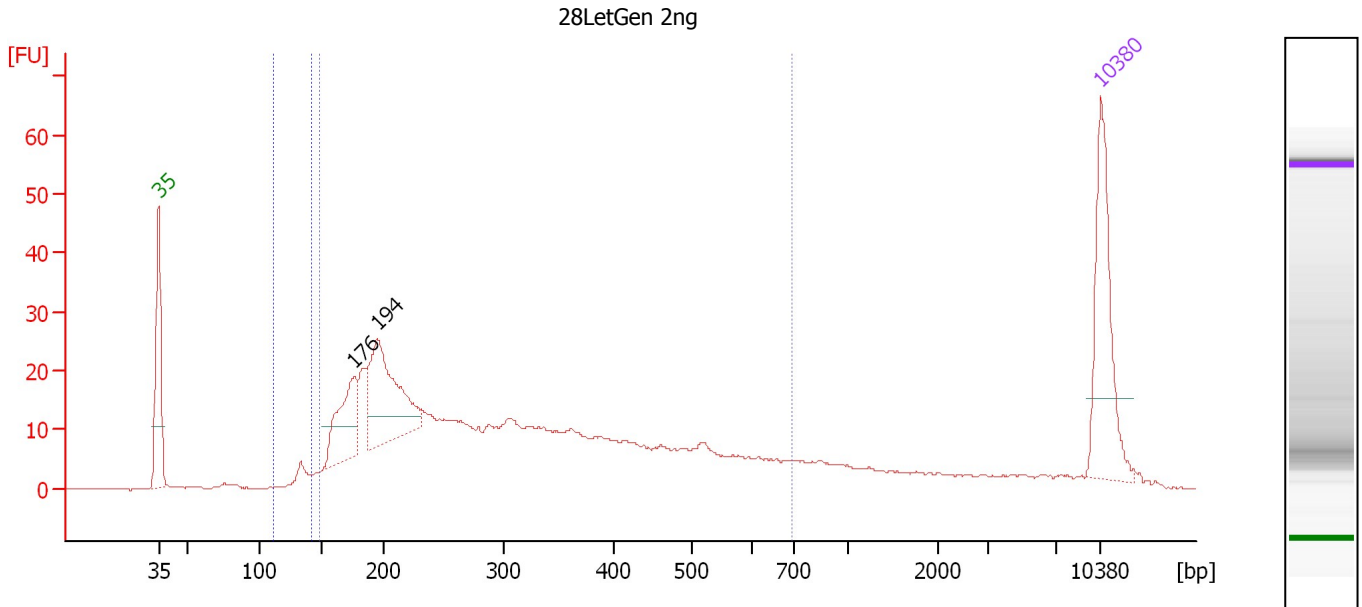
**Region table for sample 1 : 28LetGen 1ng**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
200	393	1,000	251.8	1,979.1	63	44.2	412.56

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-21\2015-07-21\_003.xad

Created: 7/21/2015 1:28:55 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 28LetGen 2ng**

Number of peaks found: 2                      Corr. Area 1: 549.4  
 Noise: 0.2                                      Corr. Area 2: 9.3

**Peak table for sample 2 : 28LetGen 2ng**

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	176	73.06	628.8		57.55
3	194	129.33	1,008.3		59.23
4	10,380	75.00	10.9	Upper Marker	113.00

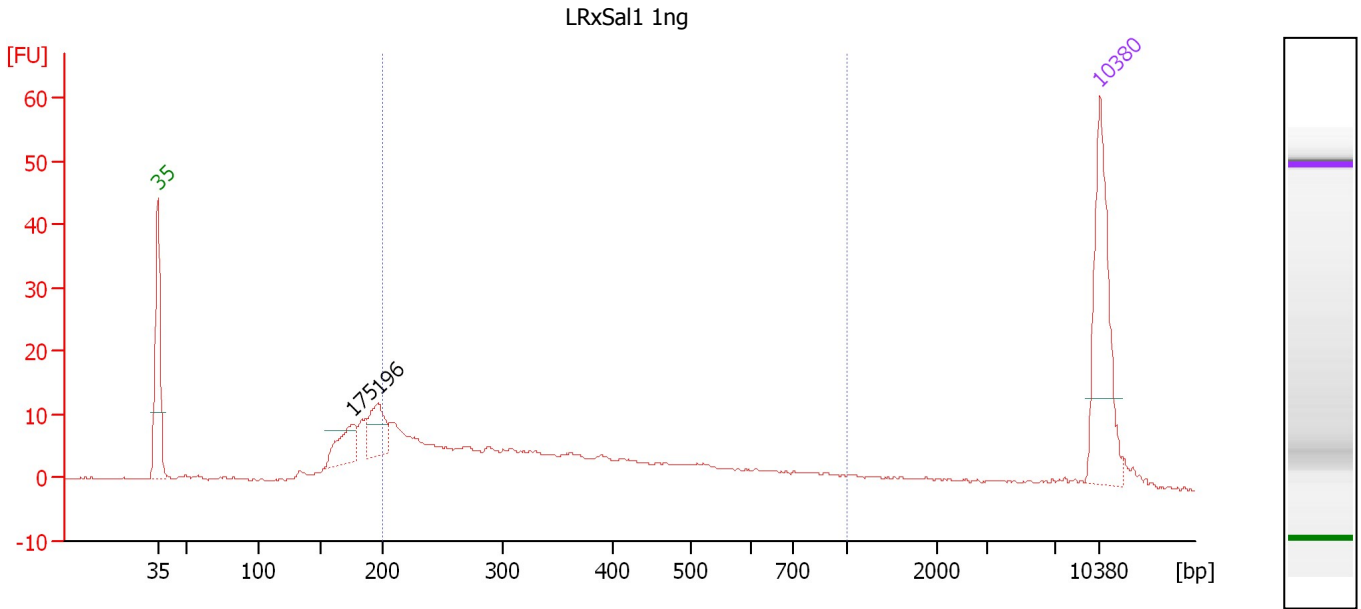
**Region table for sample 2 : 28LetGen 2ng**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]	Conc. [pg/μl]
111	131	141	9.3	219.1	1	5.0	18.99
148	321	696	549.4	5,445.0	82	41.6	918.33

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-21\2015-07-21\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : LRxSal1 1ng**

Number of peaks found: 2                      Corr. Area 1: 212.3  
 Noise: 0.2

**Peak table for sample 3 : LRxSal1 1ng**

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	175	33.87	293.6		57.43
3	196	37.91	293.5		59.35
4	10,380	75.00	10.9	Upper Marker	113.00

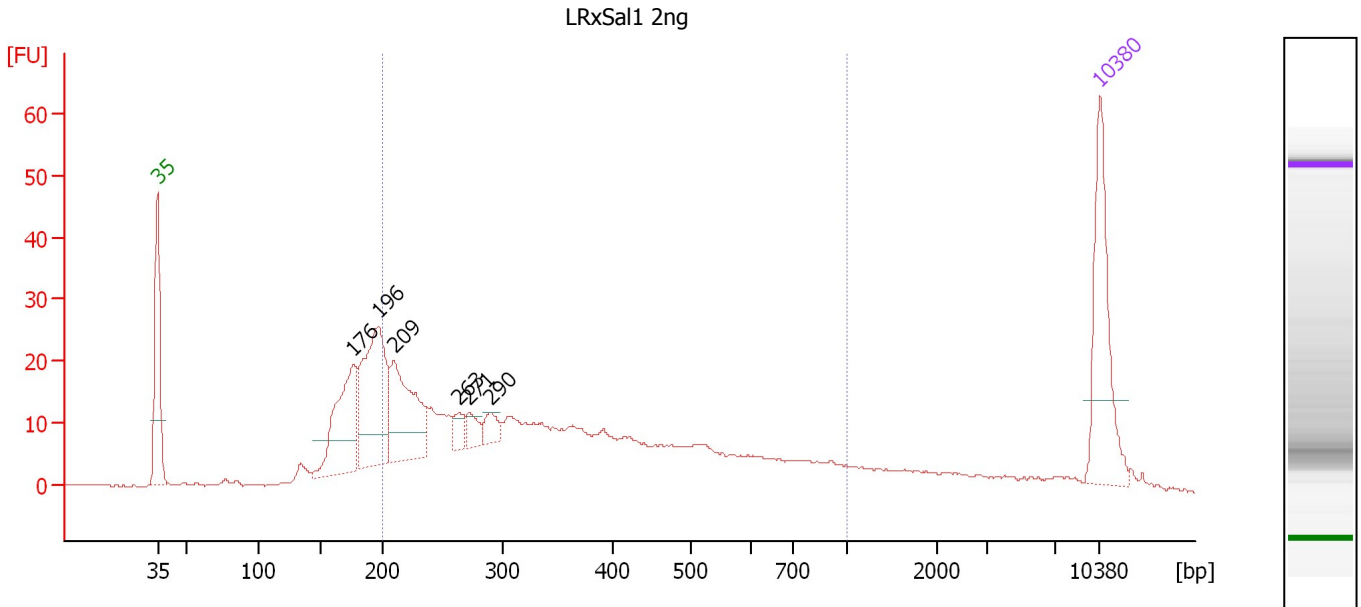
**Region table for sample 3 : LRxSal1 1ng**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]	Conc. [pg/μl]
200	389	1,000	212.3	1,767.9	63	44.2	365.83

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-21\2015-07-21\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : LRxSal1 2ng**

Number of peaks found: 6                      Corr. Area 1: 431.0  
 Noise: 0.2

**Peak table for sample 4 : LRxSal1 2ng**

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	176	109.86	944.9		57.56
3	196	147.08	1,135.1		59.41
4	209	106.98	775.4		60.55
5	263	13.30	76.7		65.35
6	271	15.62	87.2		66.12
7	290	15.13	79.1		67.75
8	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 4 : LRxSal1 2ng**

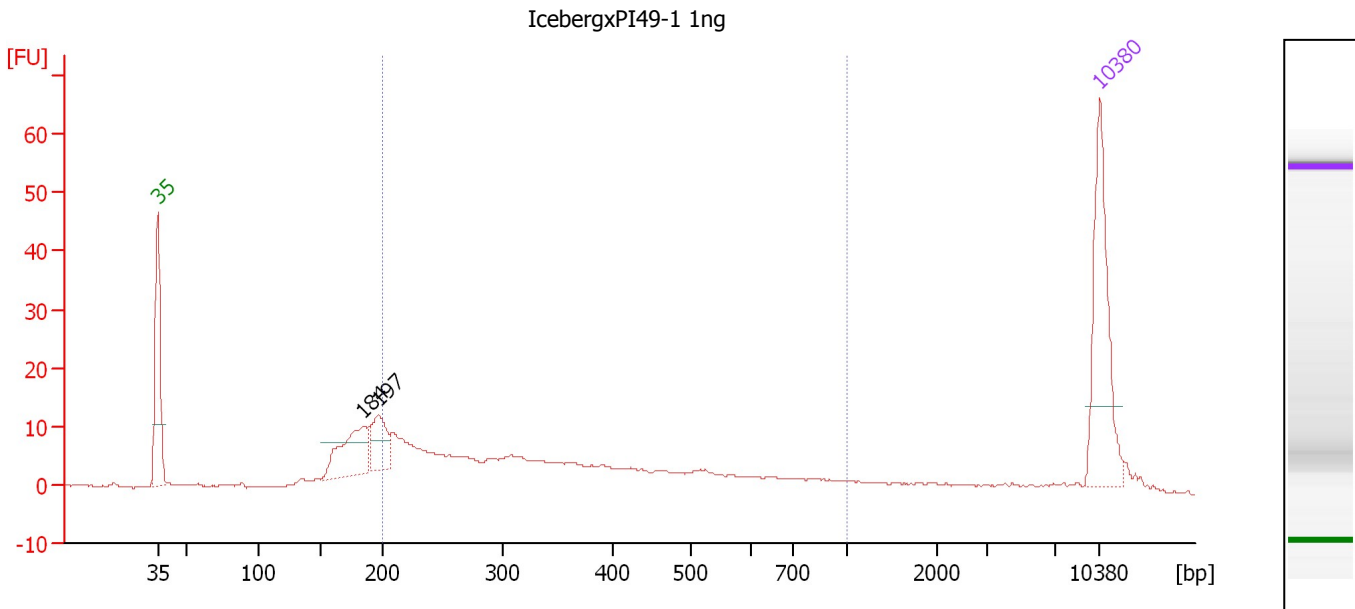
From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]	Conc. [pg/μl]
200	385	1,000	431.0	3,685.5	66	44.2	756.52



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-21\2015-07-21\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : IcebergxPI49-1 1ng**

Number of peaks found: 2                      Corr. Area 1: 201.6  
 Noise: 0.2

**Peak table for sample 5 : IcebergxPI49-1 1ng**

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	184	60.97	502.2		58.27
3	197	38.14	293.9		59.43
4	10,380	75.00	10.9	Upper Marker	113.00

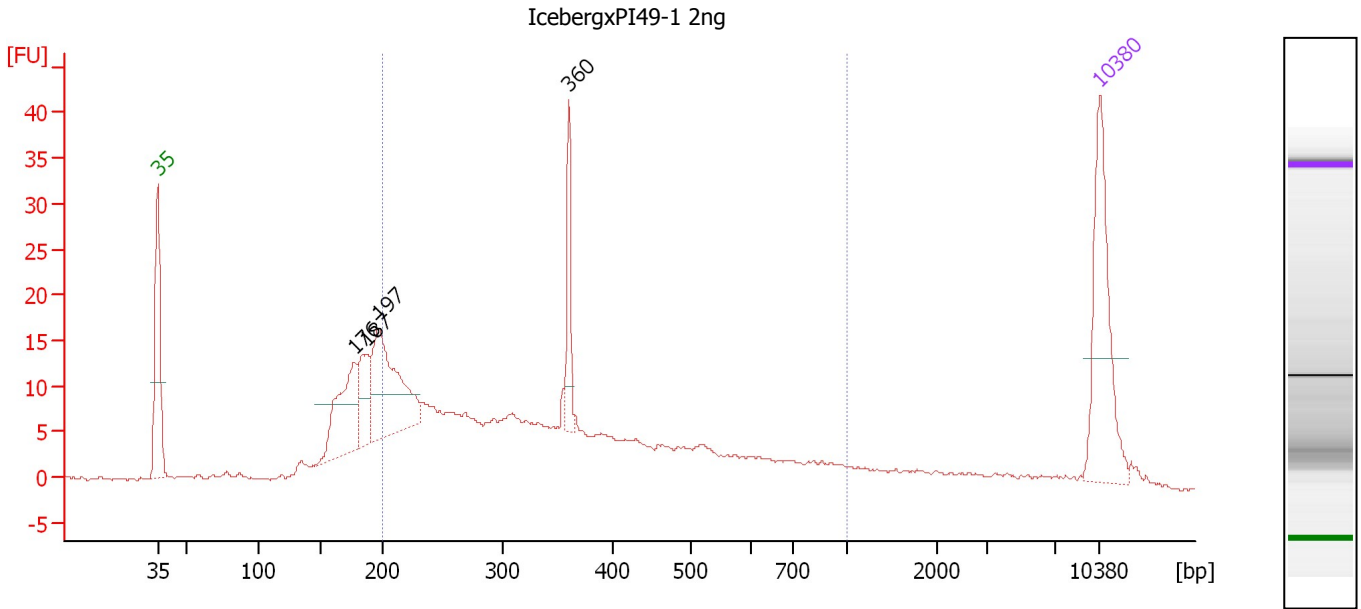
**Region table for sample 5 : IcebergxPI49-1 1ng**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
200	385	1,000	201.6	1,642.0	64	44.4	336.52

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-21\2015-07-21\_003.xad

Created: 7/21/2015 1:28:55 PM  
 Modified: 7/21/2015 2:08:13 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : IcebergxPI49-1 2ng**

Number of peaks found: 4                      Corr. Area 1: 275.3  
 Noise: 0.2

**Peak table for sample 6 : IcebergxPI49-1 2ng**

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	176	79.67	684.0		57.58
3	187	41.00	331.4		58.59
4	197	116.49	897.8		59.43
5	360	37.02	155.9		73.57
6	10,380	75.00	10.9	Upper Marker	113.00

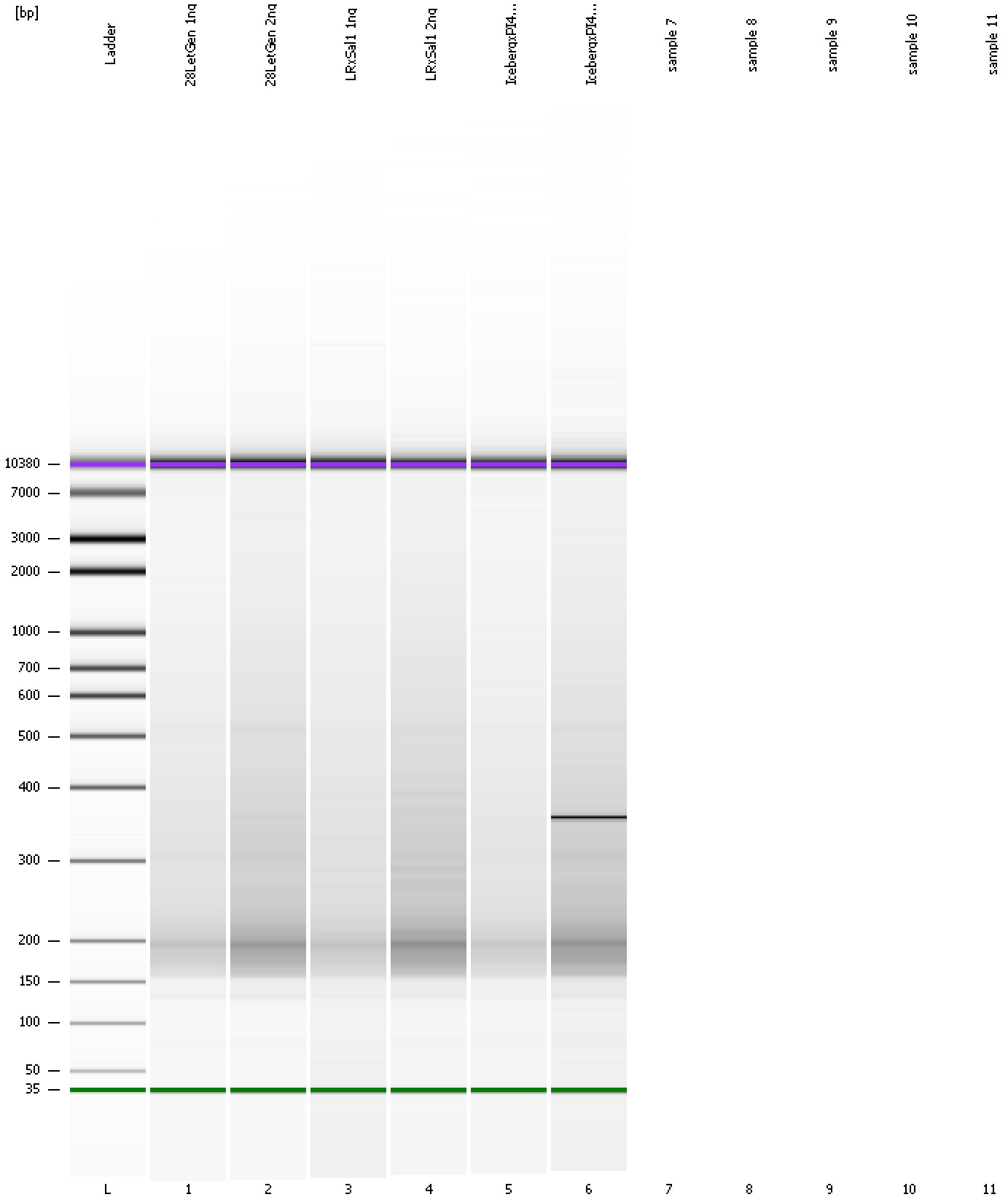
**Region table for sample 6 : IcebergxPI49-1 2ng**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]	Conc. [pg/μl]
200	376	1,000	275.3	3,225.6	68	42.8	659.85

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-21\2015-07-21\_003.xad

Created: 7/21/2015 1:28:55 PM  
Modified: 7/21/2015 2:08:13 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-07-21\2015-07-21\_003.xad

Created: 7/21/2015 1:28:55 PM  
Modified: 7/21/2015 2:08:13 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.