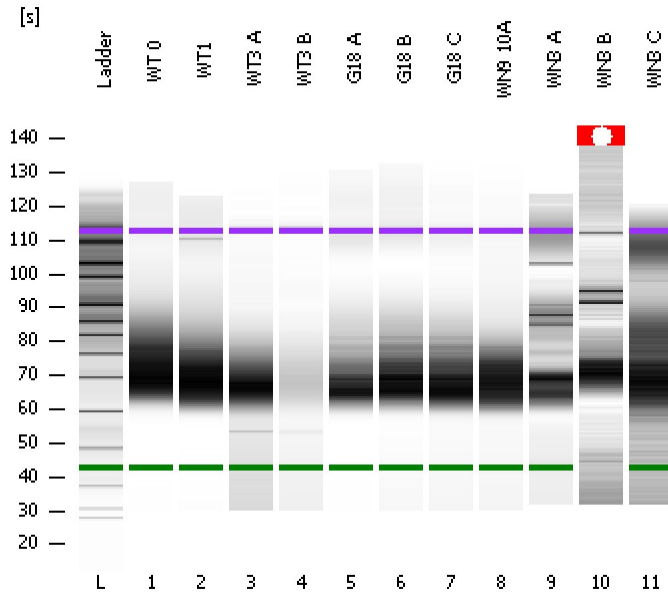


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25\_004.xad

Created: 7/25/2016 4:16:32 PM  
Modified: 7/25/2016 5:05:37 PM

### Electrophoresis File Run Summary



#### Instrument Information:

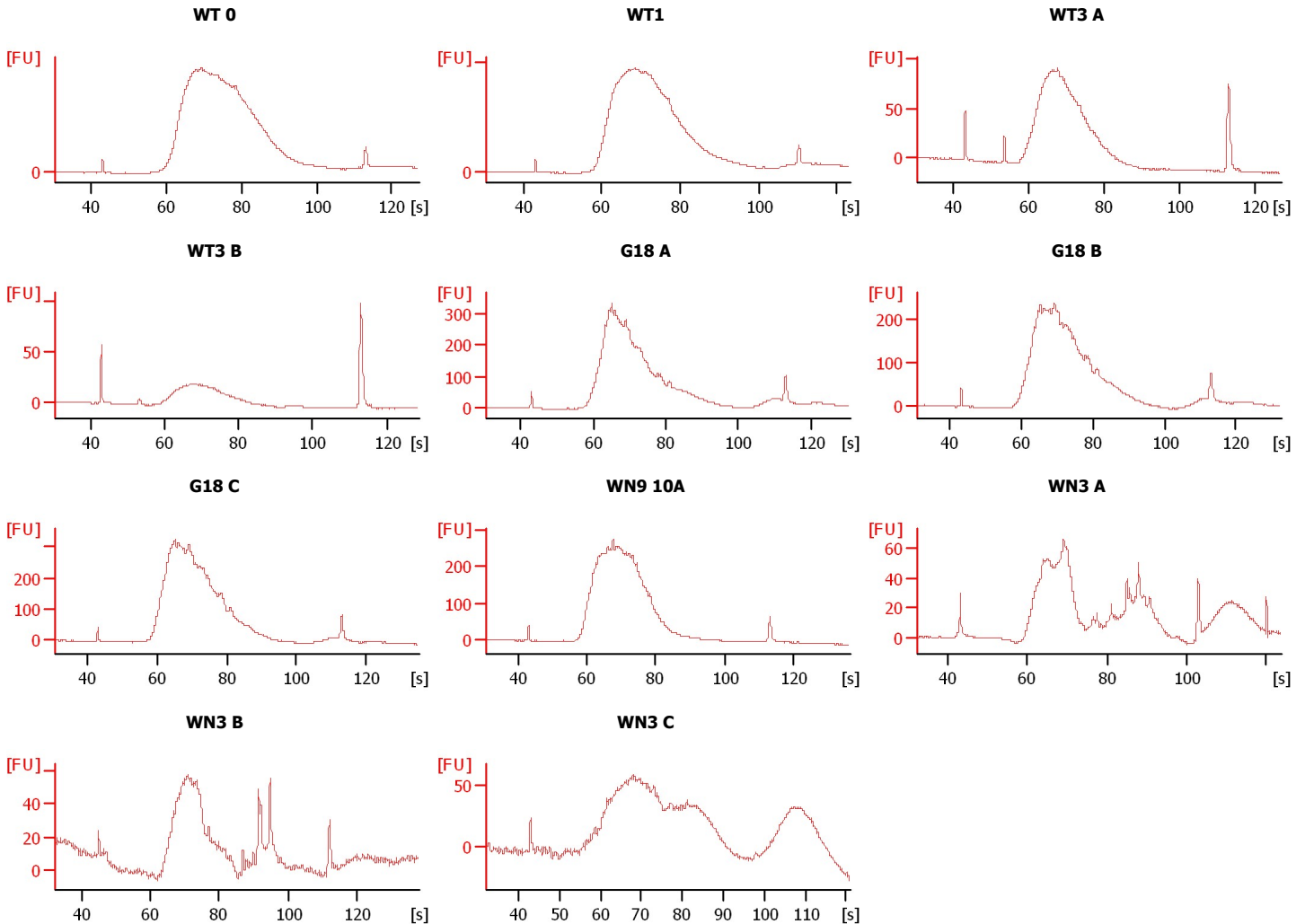
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

#### 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:



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25\_004.xad

Created: 7/25/2016 4:16:32 PM  
 Modified: 7/25/2016 5:05:37 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
WT 0		<input type="checkbox"/>	✓			
WT1		<input type="checkbox"/>	✓			
WT3 A		<input type="checkbox"/>	✓			
WT3 B		<input type="checkbox"/>	✓			
G18 A		<input type="checkbox"/>	✓			
G18 B		<input type="checkbox"/>	✓			
G18 C		<input type="checkbox"/>	✓			
WN9 10A		<input type="checkbox"/>	✓			
WN3 A		<input type="checkbox"/>	✓			
WN3 B		<input type="checkbox"/>	✓			
WN3 C		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25\_004.xad

Created: 7/25/2016 4:16:32 PM  
Modified: 7/25/2016 5:05:37 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

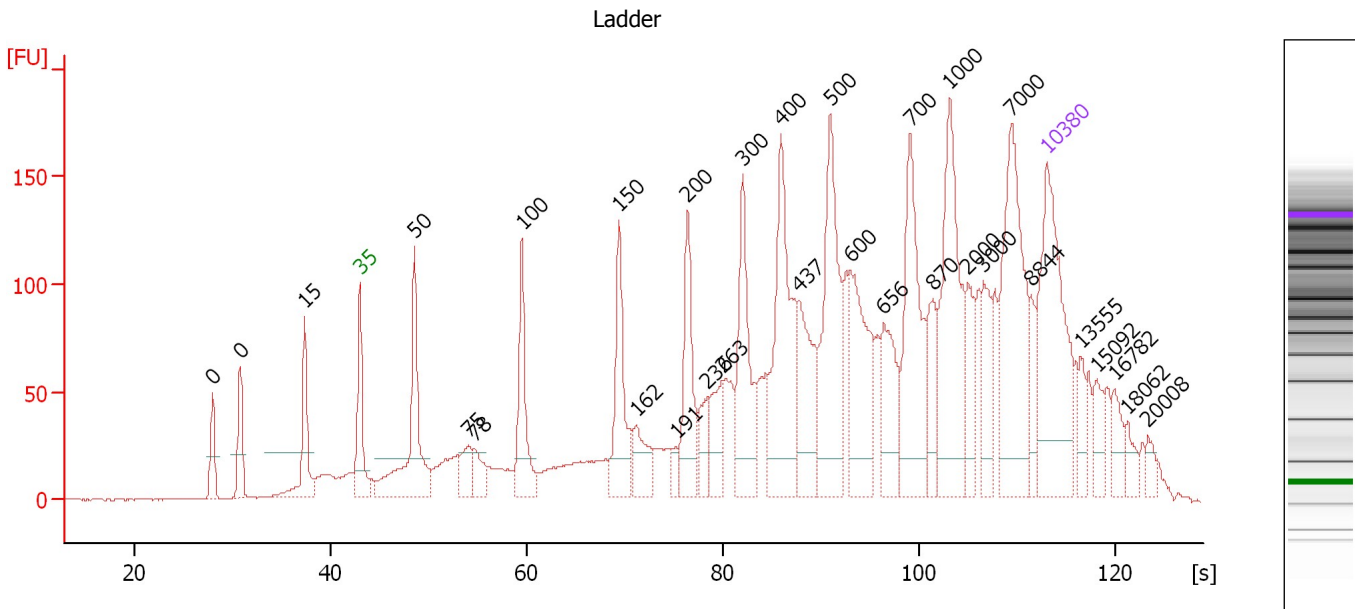
**Ladder**

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:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25\_004.xad

Created: 7/25/2016 4:16:32 PM  
 Modified: 7/25/2016 5:05:37 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	0	0.00	0.0		28.02
2	0	0.00	0.0		30.80
3	15	0.00	0.0		37.42
4	35	125.00	5,411.3	Lower Marker	43.00
5	50	150.00	4,545.5	Ladder Peak	48.58
6	75	0.00	0.0		54.05
7	78	0.00	0.0		54.65
8	100	150.00	2,272.7	Ladder Peak	59.52
9	150	150.00	1,515.2	Ladder Peak	69.41
10	163	0.00	0.0		71.16
11	191	0.00	0.0		75.21
12	200	150.00	1,136.4	Ladder Peak	76.41
13	236	0.00	0.0		78.44
14	263	0.00	0.0		79.91
15	300	150.00	757.6	Ladder Peak	81.99
16	400	150.00	568.2	Ladder Peak	85.88
17	437	0.00	0.0		87.73
18	500	150.00	454.5	Ladder Peak	90.91
19	600	150.00	378.8	Ladder Peak	92.93
20	656	0.00	0.0		96.38
21	700	150.00	324.7	Ladder Peak	99.05
22	870	0.00	0.0		101.35
23	1,000	150.00	227.3	Ladder Peak	103.10
24	2,000	150.00	113.6	Ladder Peak	104.91
25	3,000	150.00	75.8	Ladder Peak	106.49
26	7,000	150.00	32.5	Ladder Peak	109.39
27	8,844	0.00	0.0		111.36

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25\_004.xad

Created: 7/25/2016 4:16:32 PM  
Modified: 7/25/2016 5:05:37 PM

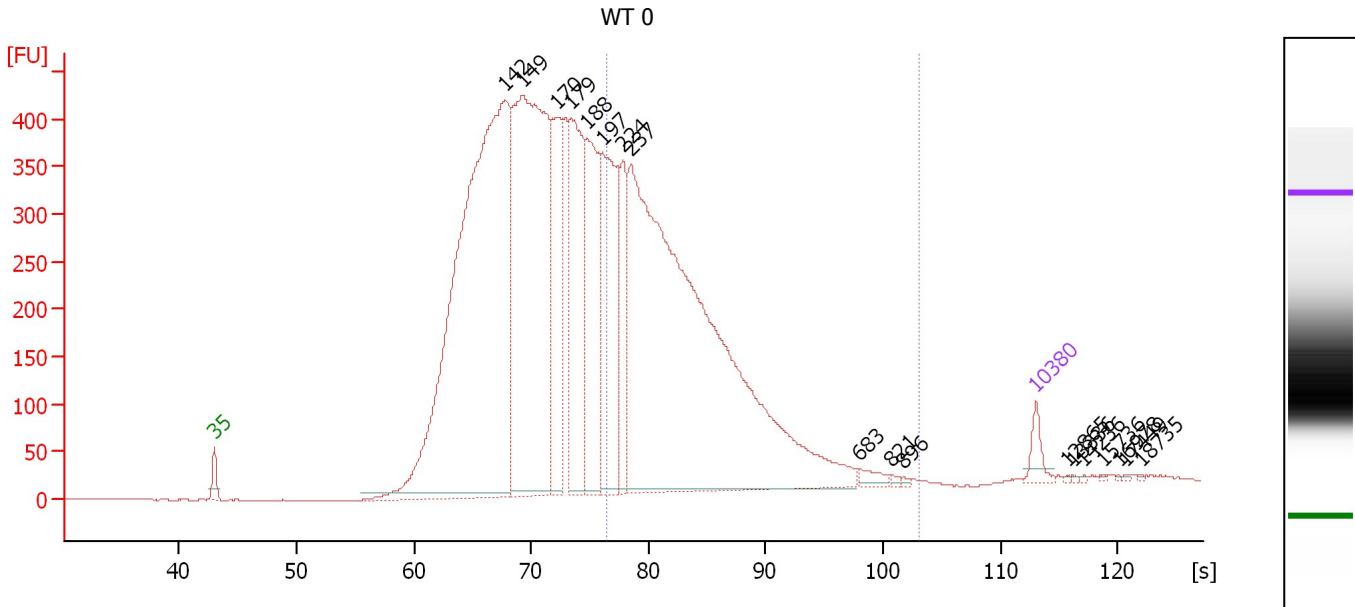
**Electropherogram Summary Continued ...****... Peak table for Ladder**

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
28	10,380	75.00	10.9	Upper Marker	113.00
29	13,555	0.00	0.0		116.39
30	15,092	0.00	0.0		118.03
31	16,782	0.00	0.0		119.84
32	18,062	0.00	0.0		121.20
33	20,008	0.00	0.0		123.28

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25\_004.xad

Created: 7/25/2016 4:16:32 PM  
 Modified: 7/25/2016 5:05:37 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : WT 0**

Number of peaks found: 18                      Corr. Area 1: 4,172.6  
 Noise: 0.3

**Peak table for sample 1 : WT 0**

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	142	6,385.28	68,211.3		67.80
3	149	4,035.95	40,977.8		69.26
4	170	1,009.60	9,007.5		72.19
5	179	1,270.09	10,771.9		73.42
6	188	1,166.23	9,392.7		74.75
7	197	1,348.68	10,358.4		76.03
8	224	535.63	3,617.7		77.77
9	237	6,169.04	39,363.6		78.50
10	683	58.07	128.9		97.99
11	821	12.22	22.5		100.69
12	896	8.57	14.5		101.70
13	10,380	75.00	10.9	Upper Marker	113.00
14	12,865	0.00	0.0		115.65
15	13,336	0.00	0.0		116.16
16	14,236	0.00	0.0		117.12
17	15,736	0.00	0.0		118.72
18	16,978	0.00	0.0		120.05
19	17,449	0.00	0.0		120.55
20	18,735	0.00	0.0		121.92

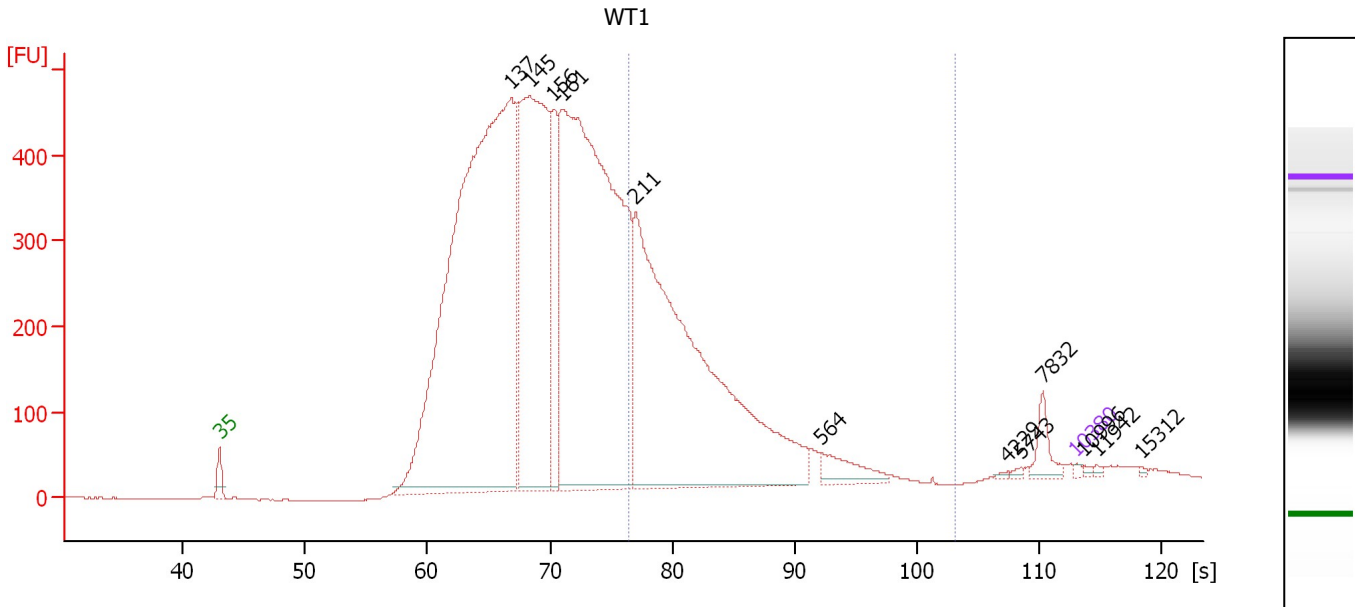
**Region table for sample 1 : WT 0**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	336	4,172.6	33,990.1	6,614.24	35	36.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25\_004.xad

Created: 7/25/2016 4:16:32 PM  
 Modified: 7/25/2016 5:05:37 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : WT1**

Number of peaks found: 12                      Corr. Area 1: 2,903.6  
 Noise: 0.5

**Peak table for sample 2 : WT1**

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	137	60,371.11	667,913.6		66.83
3	145	25,428.72	266,245.4		68.37
4	156	6,016.02	58,431.0		70.25
5	161	47,602.61	447,070.8		71.00
6	211	34,800.55	250,217.3		77.01
7	564	1,326.22	3,564.0		92.20
8	4,229	61.32	22.0		107.38
9	5,743	103.33	27.3		108.48
10	7,832	792.48	153.3		110.28
11	10,380	75.00	10.9	Upper Marker	113.00
12	10,996	0.00	0.0		113.66
13	11,942	0.00	0.0		114.67
14	15,312	0.00	0.0		118.27

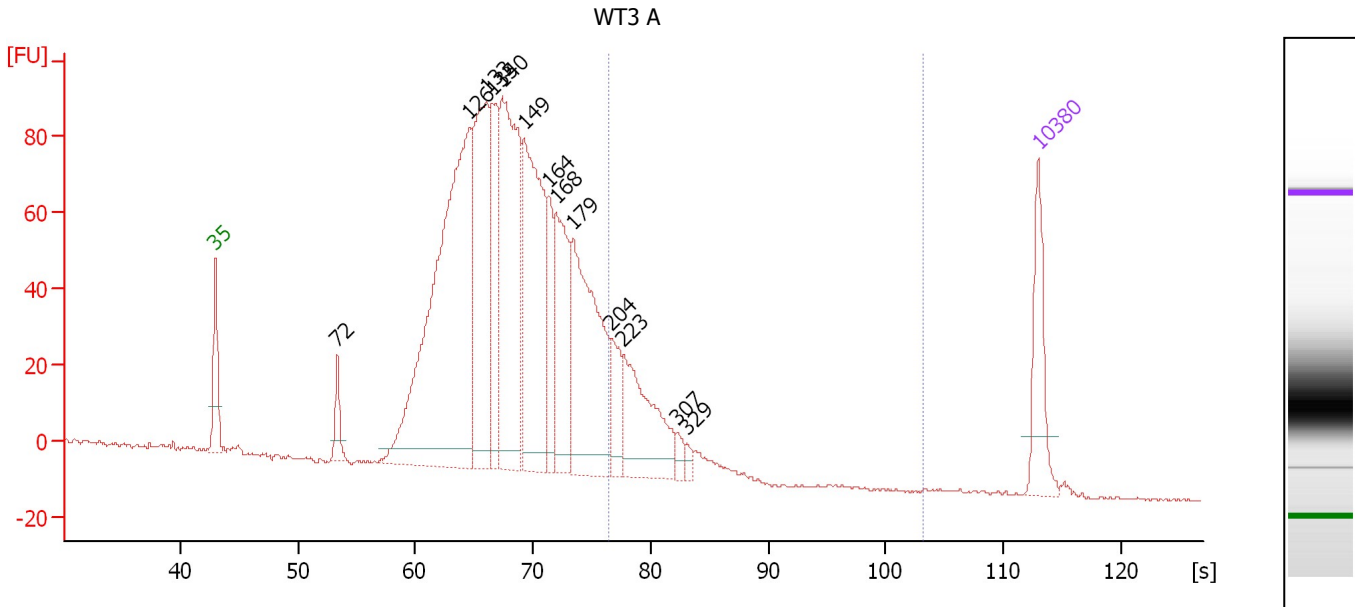
**Region table for sample 2 : WT1**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	320	2,903.6	180,841.5	33,791.20	23	35.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25\_004.xad

Created: 7/25/2016 4:16:32 PM  
 Modified: 7/25/2016 5:05:37 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : WT3 A**

Number of peaks found: 13                      Corr. Area 1: 193.0  
 Noise: 0.4

**Peak table for sample 3 : WT3 A**

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	72	45.96	968.8		53.37
3	126	954.61	11,509.1		64.60
4	133	408.72	4,662.4		66.01
5	135	225.09	2,519.5		66.52
6	140	486.43	5,265.4		67.43
7	149	463.43	4,706.2		69.26
8	164	107.14	990.6		71.36
9	168	223.66	2,011.9		72.00
10	179	388.40	3,295.9		73.41
11	204	76.73	569.1		76.65
12	223	200.58	1,362.2		77.70
13	307	17.06	84.1		82.27
14	329	10.61	48.8		83.14
15	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 3 : WT3 A**

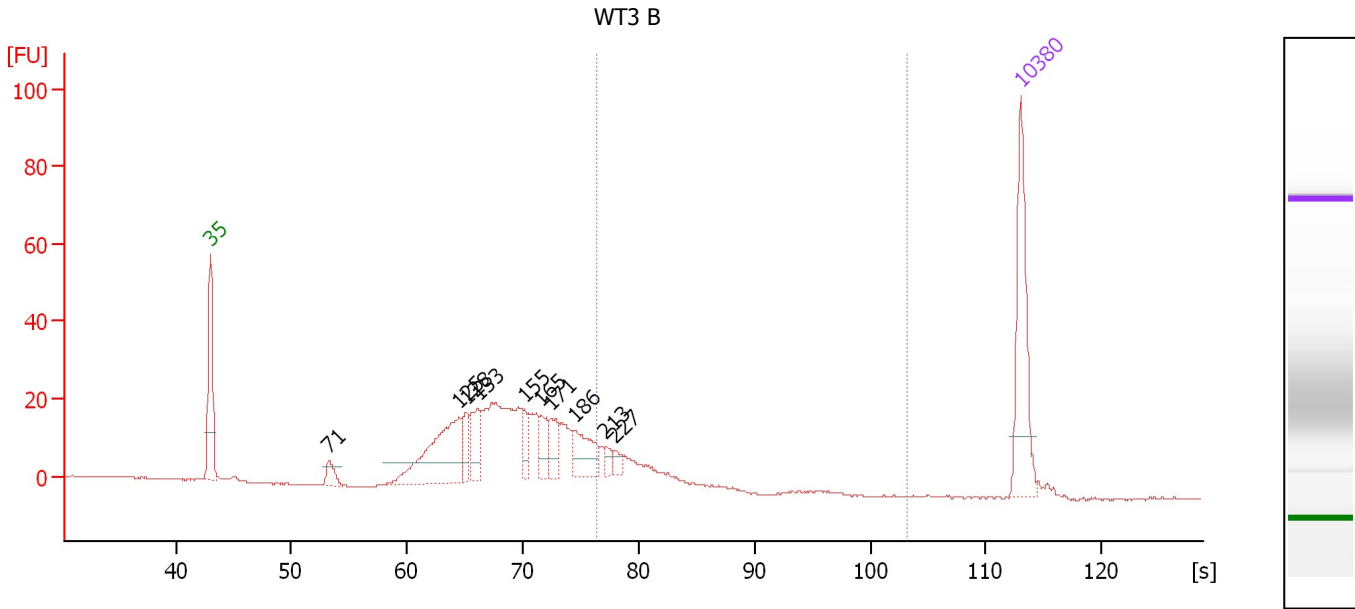
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	258	193.0	1,849.2	306.07	10	19.2



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25\_004.xad

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 Modified: 7/25/2016 5:05:37 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : WT3 B**

Number of peaks found: 10                      Corr. Area 1: 65.8  
 Noise: 0.2

**Peak table for sample 4 : WT3 B**

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	71	18.01	383.5		53.21
3	125	151.45	1,831.3		64.52
4	128	28.47	336.0		65.13
5	133	47.26	537.3		66.10
6	155	26.06	255.0		70.09
7	165	27.74	254.0		71.58
8	171	30.32	268.0		72.41
9	186	47.80	389.4		74.45
10	213	11.07	78.7		77.14
11	227	9.19	61.3		77.93
12	10,380	75.00	10.9	Upper Marker	113.00

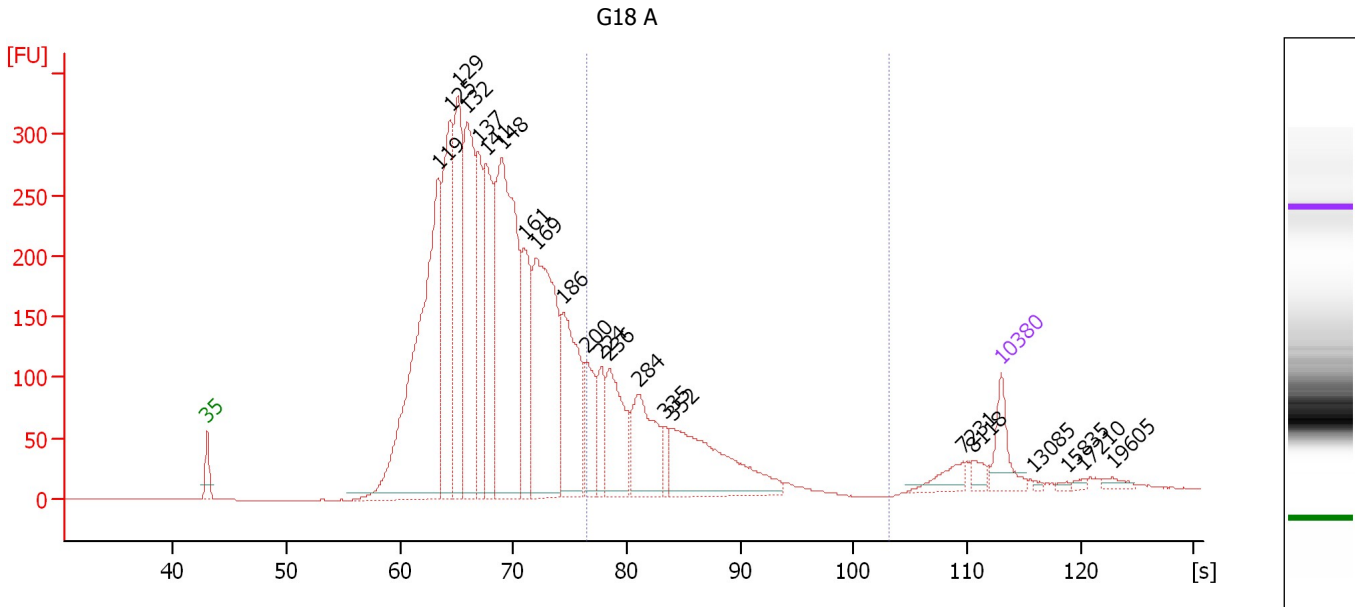
**Region table for sample 4 : WT3 B**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	262	65.8	579.2	97.01	14	20.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25\_004.xad

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 Modified: 7/25/2016 5:05:37 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : G18 A**

Number of peaks found: 22                      Corr. Area 1: 1,108.9  
 Noise: 0.2

**Peak table for sample 5 : G18 A**

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	119	1,467.81	18,618.9		63.37
3	125	671.52	8,143.0		64.45
4	129	616.59	7,268.1		65.17
5	132	723.21	8,278.4		65.92
6	137	388.45	4,291.3		66.87
7	141	496.46	5,335.7		67.63
8	148	1,166.87	11,952.6		69.00
9	161	360.30	3,392.3		70.94
10	169	844.64	7,585.8		72.03
11	186	470.89	3,843.8		74.40
12	200	190.65	1,441.4		76.44
13	224	130.81	884.1		77.76
14	236	282.56	1,813.5		78.43
15	284	279.16	1,491.3		81.08
16	335	44.92	203.2		83.35
17	352	412.94	1,777.0		84.01
18	7,231	45.00	9.4		109.64
19	8,118	23.95	4.5		110.58
20	10,380	75.00	10.9	Upper Marker	113.00
21	13,085	0.00	0.0		115.89
22	15,835	0.00	0.0		118.83
23	17,210	0.00	0.0		120.29
24	19,605	0.00	0.0		122.85

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25\_004.xad

Created: 7/25/2016 4:16:32 PM  
Modified: 7/25/2016 5:05:37 PM

**Electropherogram Summary Continued ...**

... Region table for sample 5 :

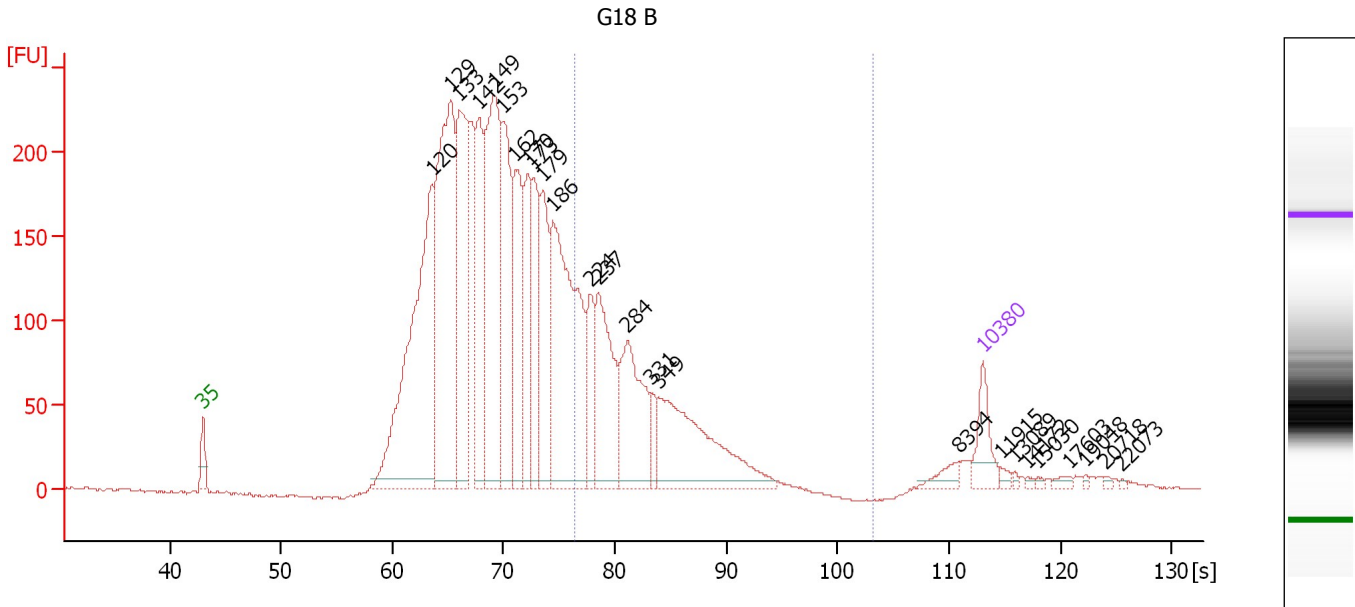
G18 A

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	324	1,108.9	6,475.6	1,240.54	17	32.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25\_004.xad

Created: 7/25/2016 4:16:32 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : G18 B**

Number of peaks found: 25                      Corr. Area 1: 1,166.2  
 Noise: 0.7

**Peak table for sample 6 : G18 B**

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	120	1,209.21	15,227.9		63.54
3	129	1,126.38	13,246.4		65.22
4	133	722.97	8,237.5		66.04
5	142	437.77	4,679.5		67.78
6	149	878.07	8,940.5		69.18
7	153	497.66	4,913.0		69.90
8	162	434.06	4,066.2		71.06
9	170	333.41	2,977.5		72.17
10	173	303.44	2,656.0		72.65
11	179	350.46	2,961.4		73.52
12	186	938.83	7,654.0		74.43
13	224	183.52	1,240.7		77.76
14	237	396.86	2,536.4		78.48
15	284	368.00	1,965.1		81.09
16	331	58.06	265.5		83.21
17	349	488.04	2,120.9		83.88
18	8,394	29.21	5.3		110.88
19	10,380	75.00	10.9	Upper Marker	113.00
20	11,915	0.00	0.0		114.64
21	13,089	0.00	0.0		115.89
22	14,172	0.00	0.0		117.05
23	15,030	0.00	0.0		117.97
24	17,603	0.00	0.0		120.71
25	19,048	0.00	0.0		122.26


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25\_004.xad

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**Electropherogram Summary Continued ...****... Peak table for sample 6 : G18 B**

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	20,718	0.00	0.0		124.04
27	22,073	0.00	0.0		125.49

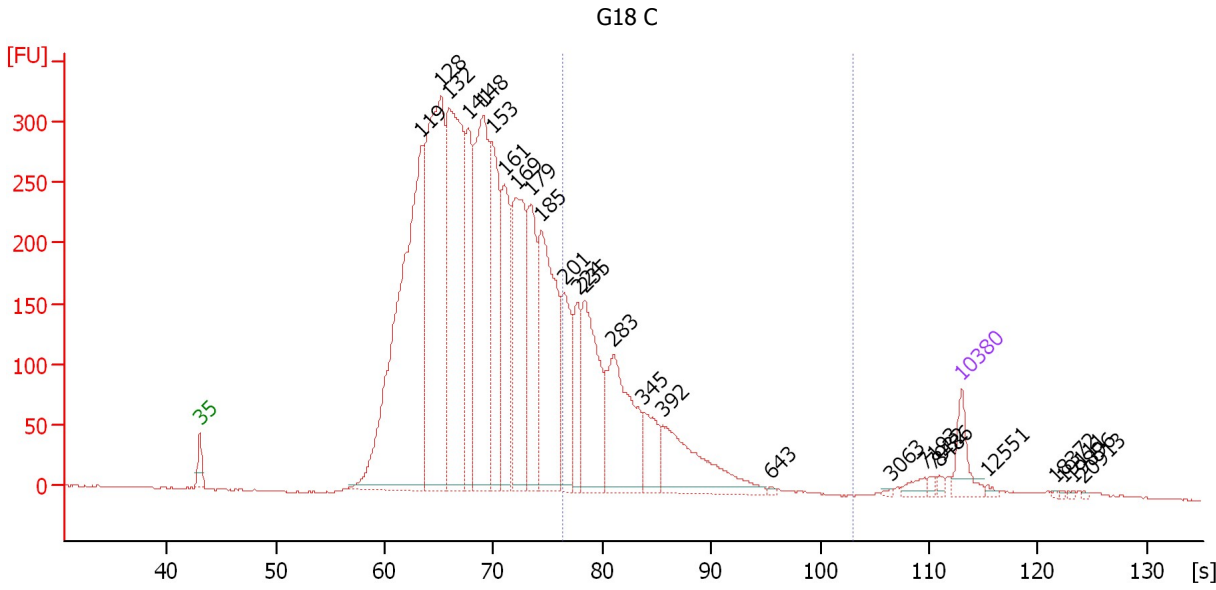
**Region table for sample 6 : G18 B**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ $\mu$ l]	% of Total	Size distribution in CV [%]
200	1,000	316	1,166.2	8,957.3	 1,686.13	21	31.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25\_004.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : G18 C**

Number of peaks found: 26                      Corr. Area 1: 1,485.1  
 Noise: 0.6

**Peak table for sample 7 : G18 C**

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	119	2,018.28	25,592.7		63.37
3	128	1,532.87	18,080.0		65.15
4	132	1,353.00	15,507.3		65.89
5	141	484.56	5,200.8		67.67
6	148	1,020.74	10,439.7		69.05
7	153	644.13	6,378.2		69.84
8	161	508.99	4,776.1		71.02
9	169	708.83	6,359.9		72.06
10	179	484.61	4,108.1		73.44
11	185	793.56	6,484.2		74.37
12	201	340.67	2,562.2		76.50
13	224	206.80	1,401.5		77.73
14	235	501.26	3,231.0		78.37
15	283	506.04	2,711.0		81.03
16	345	149.07	654.3		83.75
17	392	351.78	1,359.0		85.57
18	643	5.37	12.7		95.54
19	3,063	4.65	2.3		106.54
20	7,193	23.19	4.9		109.60
21	7,932	9.47	1.8		110.39
22	8,486	10.11	1.8		110.98
23	10,380	75.00	10.9	Upper Marker	113.00
24	12,551	0.00	0.0		115.32
25	18,372	0.00	0.0		121.53

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25\_004.xad

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 Modified: 7/25/2016 5:05:37 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 7 : G18 C

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	19,111	0.00	0.0		122.32
27	19,896	0.00	0.0		123.16
28	20,913	0.00	0.0		124.25

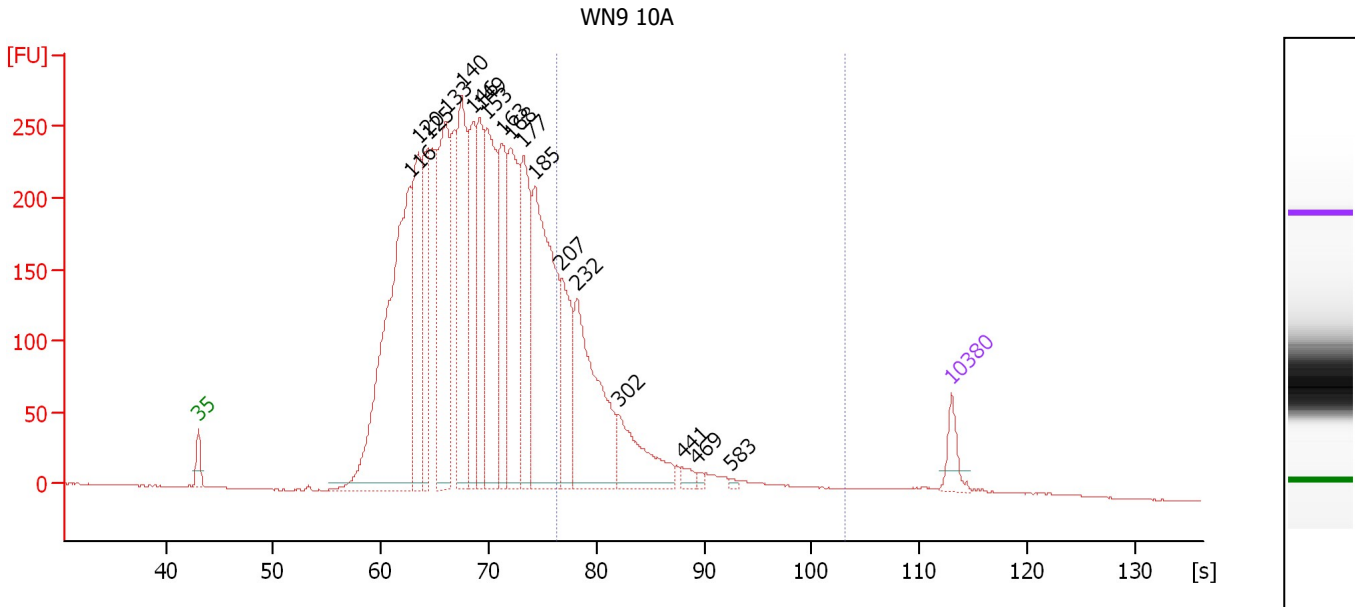
#### Region table for sample 7 : G18 C

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ $\mu$ l]	% of Total	Size distribution in CV [%]
200	1,000	314	1,485.1	10,680.6	1,987.49	20	33.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25\_004.xad

Created: 7/25/2016 4:16:32 PM  
 Modified: 7/25/2016 5:05:37 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : WN9 10A**

Number of peaks found: 18                      Corr. Area 1: 1,063.6  
 Noise: 0.4

**Peak table for sample 8 : WN9 10A**

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	116	2,300.51	30,016.2		62.71
3	120	833.61	10,533.7		63.46
4	125	626.19	7,608.8		64.40
5	133	1,221.62	13,942.2		66.00
6	140	1,018.52	10,997.9		67.50
7	146	664.13	6,910.6		68.55
8	149	702.37	7,147.7		69.19
9	153	992.51	9,824.9		69.84
10	163	621.50	5,775.8		71.24
11	168	893.62	8,040.9		71.99
12	177	754.87	6,451.1		73.24
13	185	1,425.04	11,685.1		74.28
14	207	483.28	3,545.7		76.78
15	232	920.93	6,002.6		78.22
16	302	380.44	1,909.3		82.07
17	441	38.48	132.1		87.95
18	469	15.86	51.2		89.35
19	583	10.73	27.9		92.59
20	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 8 : WN9 10A**

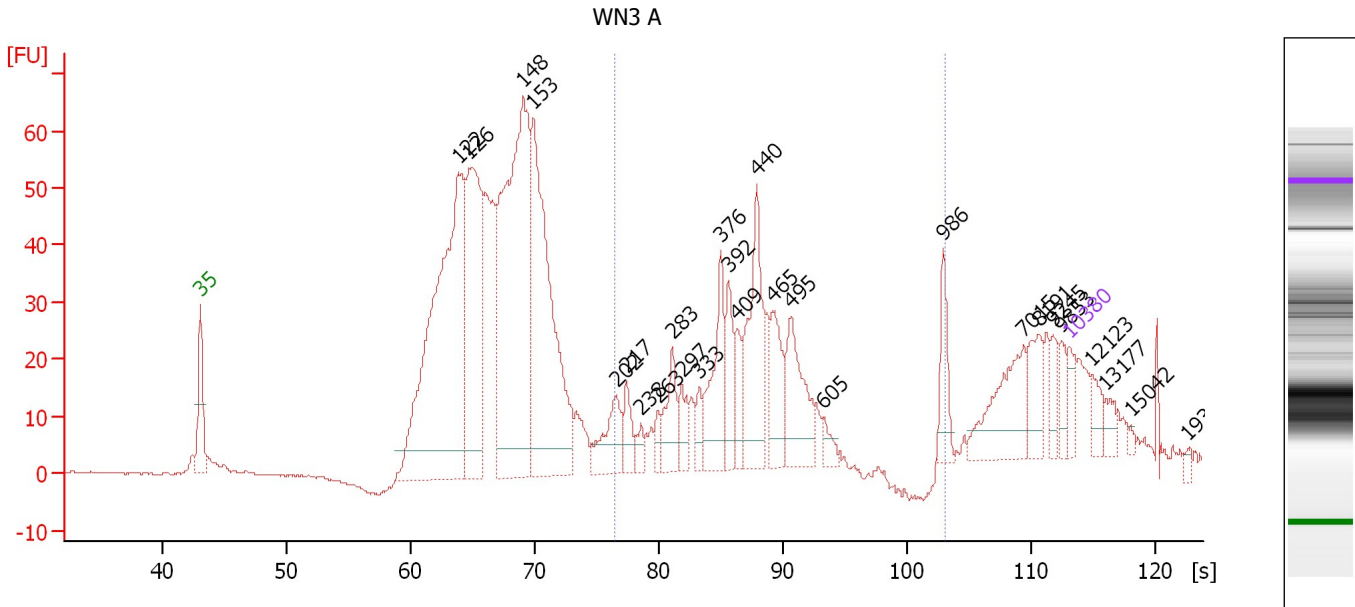
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	321	1,063.6	11,761.1	2,132.15	16	44.5



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25\_004.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : WN3 A**

Number of peaks found: 27                      Corr. Area 1: 358.2  
 Noise: 0.2

**Peak table for sample 9 : WN3 A**

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	122	3,410.85	42,369.3		63.87
3	126	1,640.61	19,742.5		64.65
4	148	3,149.96	32,248.6		69.02
5	153	2,305.68	22,826.9		69.84
6	202	362.89	2,716.1		76.55
7	217	181.59	1,266.9		77.37
8	238	84.36	536.8		78.54
9	263	80.61	464.5		79.93
10	283	278.23	1,488.8		81.05
11	297	157.75	804.5		81.83
12	333	104.36	475.3		83.26
13	376	468.44	1,887.0		84.95
14	392	264.96	1,024.8		85.55
15	409	167.35	619.8		86.33
16	440	660.58	2,274.3		87.89
17	465	330.78	1,077.7		89.15
18	495	460.41	1,408.9		90.66
19	605	71.29	178.4		93.26
20	986	199.04	305.8		102.91
21	7,015	390.93	84.4		109.41
22	8,191	191.19	35.4		110.66
23	9,245	87.70	14.4		111.79
24	9,853	81.42	12.5		112.44
25	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25\_004.xad

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 Modified: 7/25/2016 5:05:37 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 9 : WN3 A

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	12,123	0.00	0.0		114.86
27	13,177	0.00	0.0		115.99
28	15,042	0.00	0.0		117.98
29	19,380	0.00	0.0		122.61

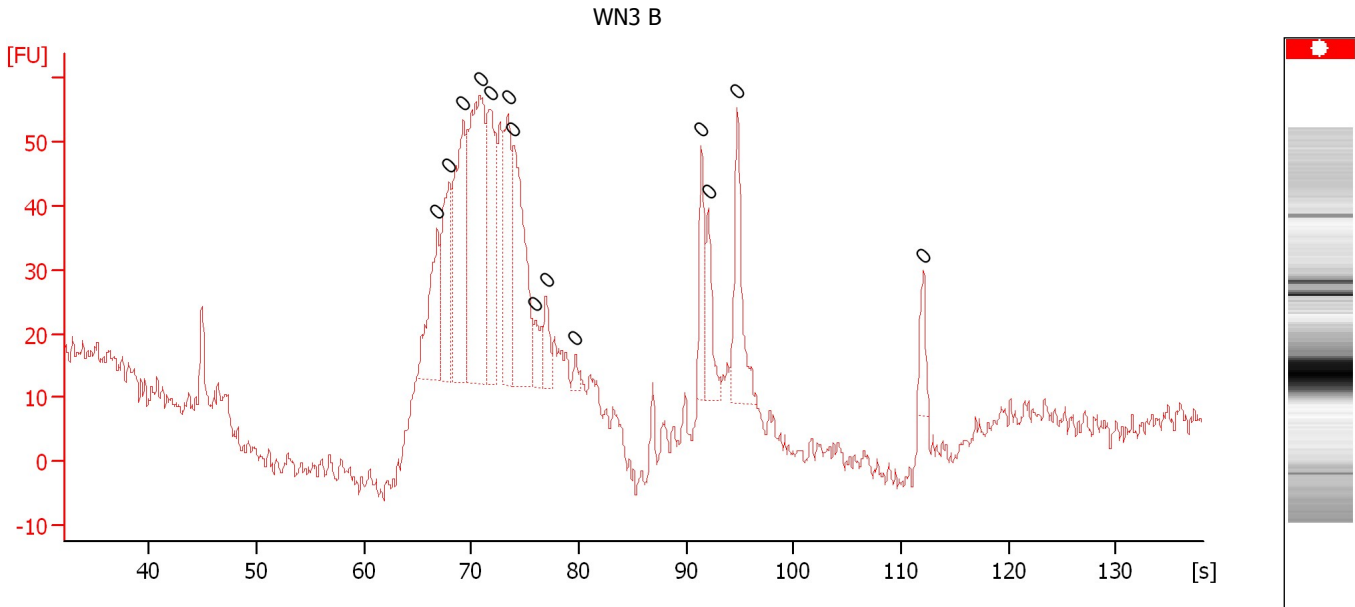
#### Region table for sample 9 : WN3 A

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ $\mu$ l]	% of Total	Size distribution in CV [%]
200	1,000	435	358.2	14,106.8	3,517.46	26	36.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25\_004.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : WN3 B**

Number of peaks found: 0                      Noise: 2.1

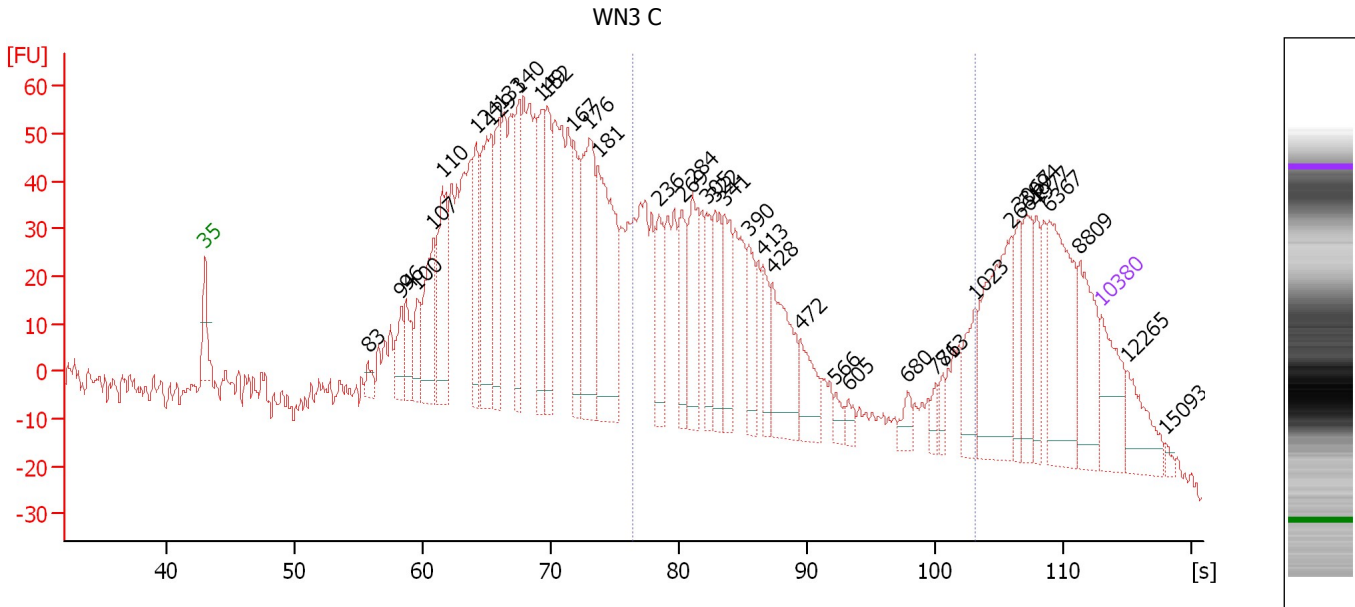
**Peak table for sample 10 : WN3 B**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		66.85
2	0	0.00	0.0		67.90
3	0	0.00	0.0		69.25
4	0	0.00	0.0		70.80
5	0	0.00	0.0		71.70
6	0	0.00	0.0		73.40
7	0	0.00	0.0		73.90
8	0	0.00	0.0		75.95
9	0	0.00	0.0		76.95
10	0	0.00	0.0		79.70
11	0	0.00	0.0		91.40
12	0	0.00	0.0		92.05
13	0	0.00	0.0		94.75
14	0	0.00	0.0		112.05

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25\_004.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : WN3 C**

Number of peaks found: 39                      Corr. Area 1: 857.5  
 Noise: 1.8

**Peak table for sample 11 : WN3 C**

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	25.27	463.6		55.71
3	94	68.37	1,096.4		58.31
4	96	78.30	1,230.7		58.73
5	100	65.08	983.6		59.57
6	107	163.91	2,329.5		60.83
7	110	211.69	2,910.2		61.54
8	124	148.41	1,819.8		64.18
9	129	288.81	3,384.7		65.31
10	133	168.46	1,920.8		66.03
11	140	175.61	1,896.4		67.49
12	149	156.19	1,586.2		69.26
13	152	164.94	1,642.4		69.72
14	167	138.57	1,258.4		71.77
15	176	287.00	2,473.2		73.03
16	181	348.93	2,927.0		73.70
17	236	105.42	675.9		78.44
18	269	96.67	545.2		80.24
19	284	136.15	727.1		81.08
20	305	75.58	375.9		82.17
21	322	101.49	477.6		82.84
22	341	111.72	495.9		83.60
23	390	72.24	280.7		85.49
24	413	55.14	202.2		86.54
25	428	147.70	522.7		87.29

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25\_004.xad

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 Modified: 7/25/2016 5:05:37 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 11 : WN3 C**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	472	74.30	238.4		89.51
27	566	16.40	43.9		92.24
28	605	15.53	38.9		93.25
29	680	22.17	49.4		97.86
30	776	15.77	30.8		100.08
31	813	17.23	32.1		100.59
32	1,023	59.16	87.6		103.14
33	2,661	173.63	98.9		105.95
34	3,067	51.03	25.2		106.54
35	3,994	72.86	27.6		107.21
36	4,977	42.77	13.0		107.93
37	6,367	166.48	39.6		108.93
38	8,809	96.05	16.5		111.32
39	10,380	75.00	10.9	Upper Marker	113.00
40	12,265	0.00	0.0		115.01
41	15,093	0.00	0.0		118.03

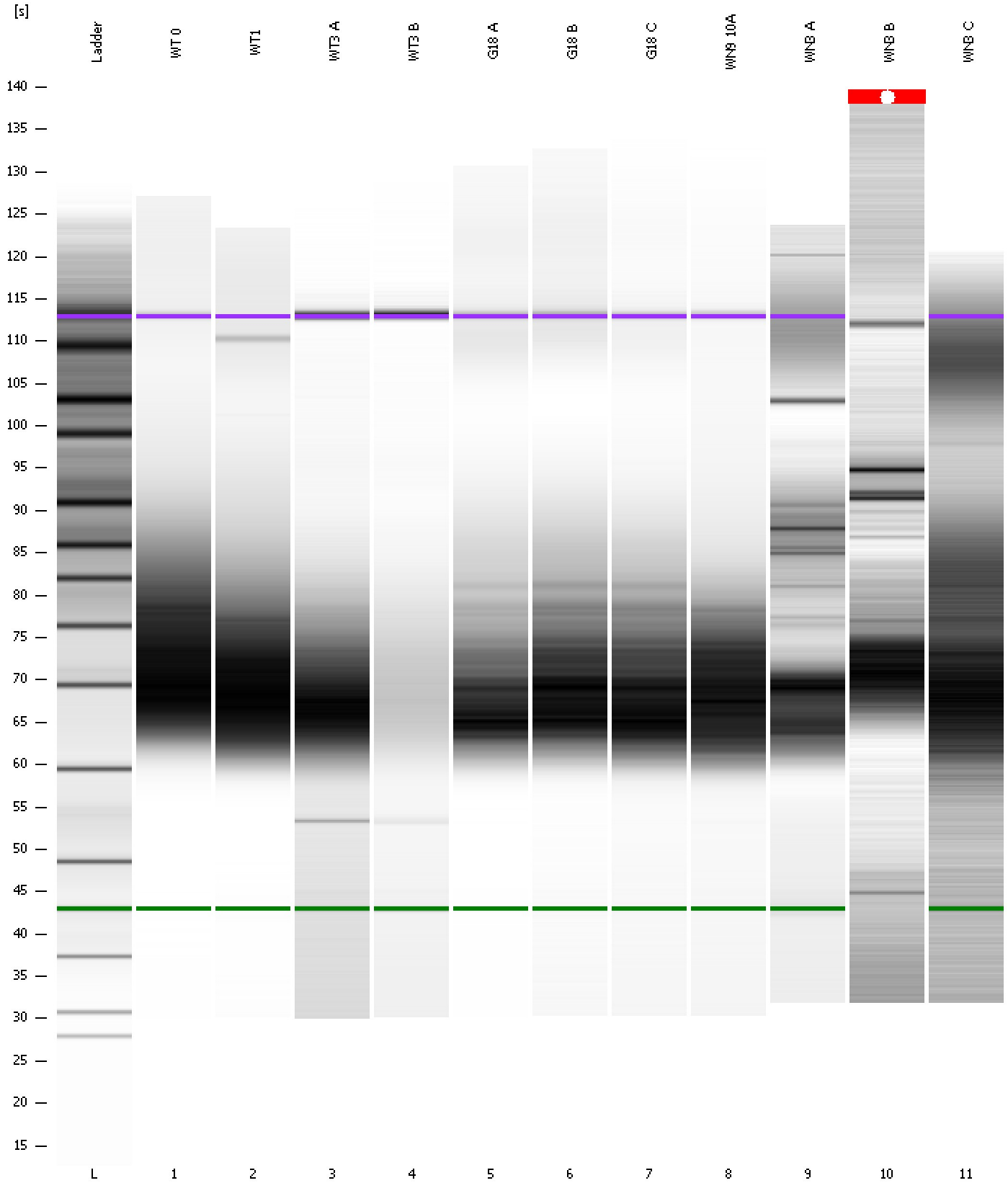
**Region table for sample 11 : WN3 C**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	417	857.5	8,843.4	1,932.08	31	48.2

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25\_004.xad

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Modified: 7/25/2016 5:05:37 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-07-25\2016-07-25\_004.xad

Created: 7/25/2016 4:16:32 PM  
 Modified: 7/25/2016 5:05:37 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		7/25/2016 4:57:51 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-07-25\2016-07-25_004.xad)		Instrument	Run		7/25/2016 4:16:38 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		7/25/2016 4:16:38 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		7/25/2016 4:16:38 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		7/25/2016 4:16:38 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		7/25/2016 4:16:38 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		7/25/2016 4:16:38 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		7/25/2016 4:16:38 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1