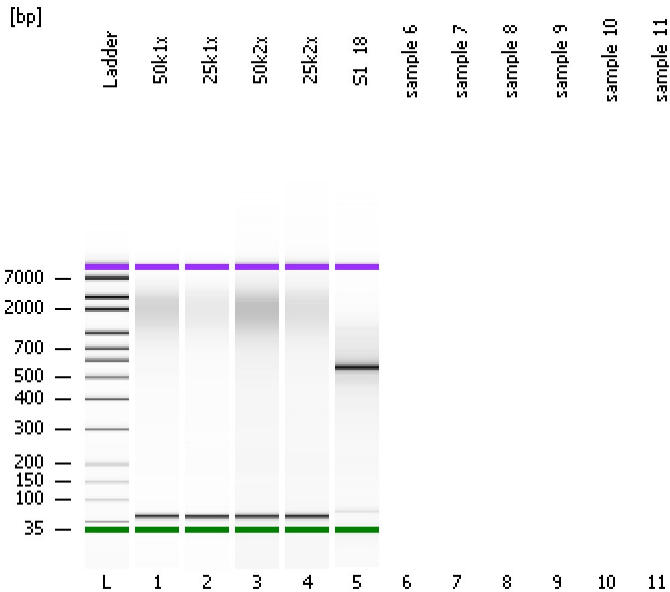


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-03\2018-04-03\_003.xad

Created: 4/3/2018 3:36:44 PM  
Modified: 4/3/2018 4:00:53 PM

**Electrophoresis File Run Summary**



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069  
Serial#: DE34903152 Type: G2938C

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

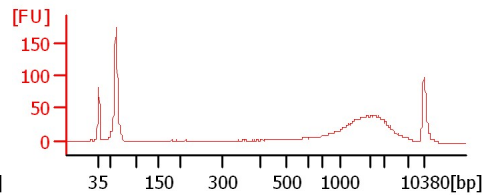
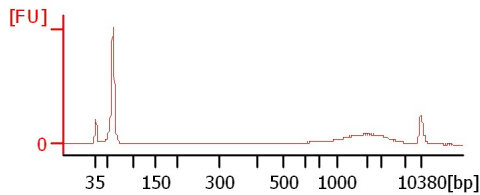
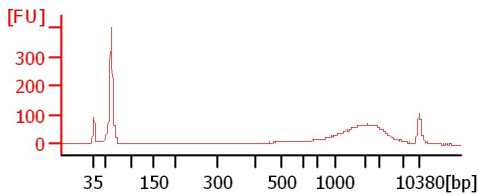
Chip Information:

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

**50k1x**

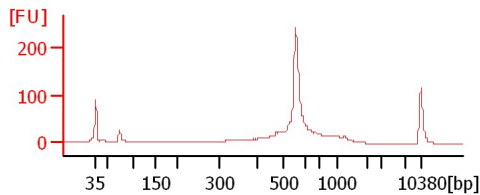
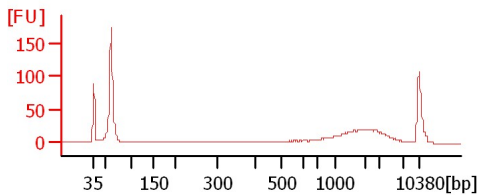
**25k1x**

**50k2x**



**25k2x**

**S1\_18**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-03\2018-04-03\_003.xad

Created: 4/3/2018 3:36:44 PM  
 Modified: 4/3/2018 4:00:53 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
50k1x		<input type="checkbox"/>	✓			
25k1x		<input type="checkbox"/>	✓			
50k2x		<input type="checkbox"/>	✓			
25k2x		<input type="checkbox"/>	✓			
S1_18		<input type="checkbox"/>	✓			
sample 6		<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 #**

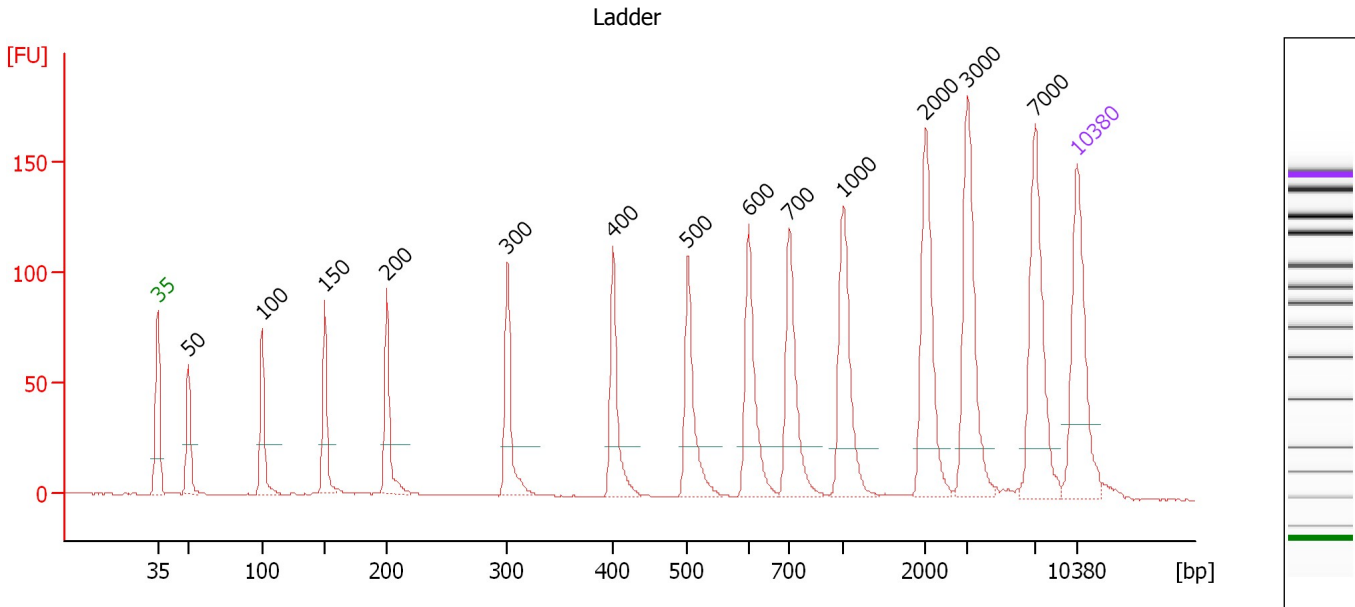
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-03\2018-04-03\_003.xad

Created: 4/3/2018 3:36:44 PM  
 Modified: 4/3/2018 4:00:53 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.3

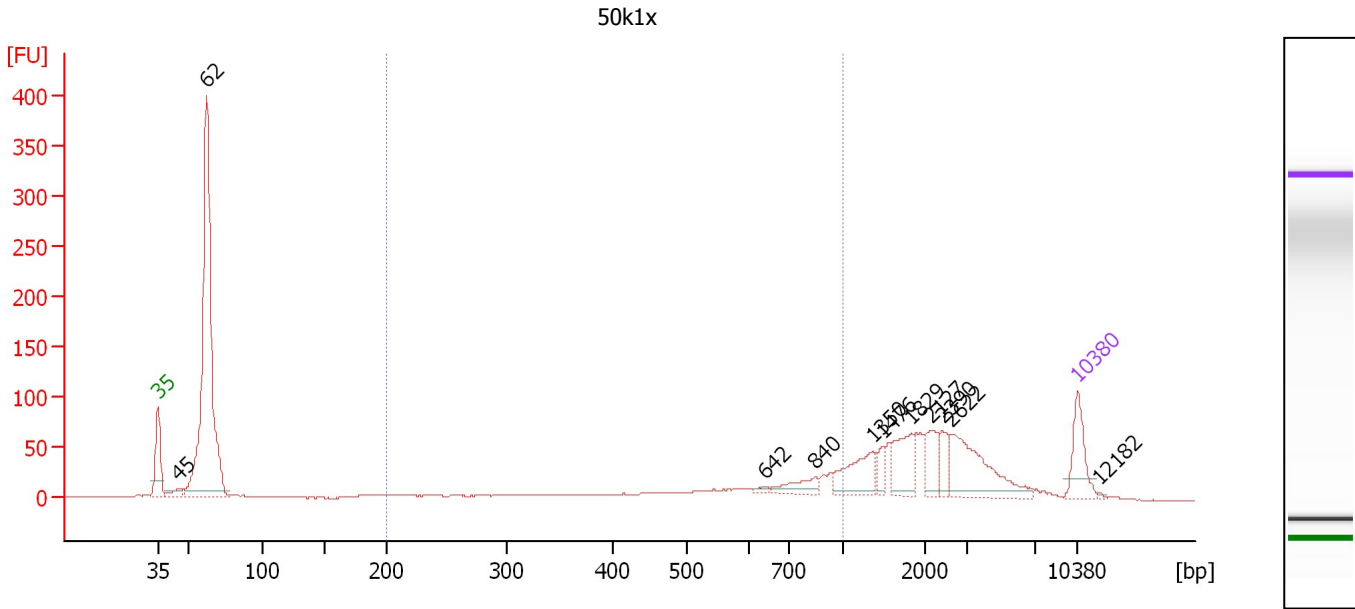
**Peak table for Ladder**

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	45.36
3	100	150.00	2,272.7	Ladder Peak	50.95
4	150	150.00	1,515.2	Ladder Peak	55.73
5	200	150.00	1,136.4	Ladder Peak	60.45
6	300	150.00	757.6	Ladder Peak	69.61
7	400	150.00	568.2	Ladder Peak	77.66
8	500	150.00	454.5	Ladder Peak	83.35
9	600	150.00	378.8	Ladder Peak	87.98
10	700	150.00	324.7	Ladder Peak	91.11
11	1,000	150.00	227.3	Ladder Peak	95.21
12	2,000	150.00	113.6	Ladder Peak	101.48
13	3,000	150.00	75.8	Ladder Peak	104.66
14	7,000	150.00	32.5	Ladder Peak	109.77
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-03\2018-04-03\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : 50k1x**

Number of peaks found: 11      Corr. Area 1: 291.0  
 Noise: 0.2

**Peak table for sample 1 : 50k1x**

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	45	29.16	981.8		44.57
3	62	1,133.13	27,555.6		46.74
4	642	8.22	19.4		89.29
5	840	42.73	77.0		93.03
6	1,350	94.65	106.2		97.41
7	1,476	26.59	27.3		98.19
8	1,829	87.76	72.7		100.41
9	2,127	58.76	41.9		101.88
10	2,390	39.88	25.3		102.72
11	2,622	160.31	92.6		103.46
12	10,380	75.00	10.9	Upper Marker	113.00
13	12,182	0.00	0.0		114.72

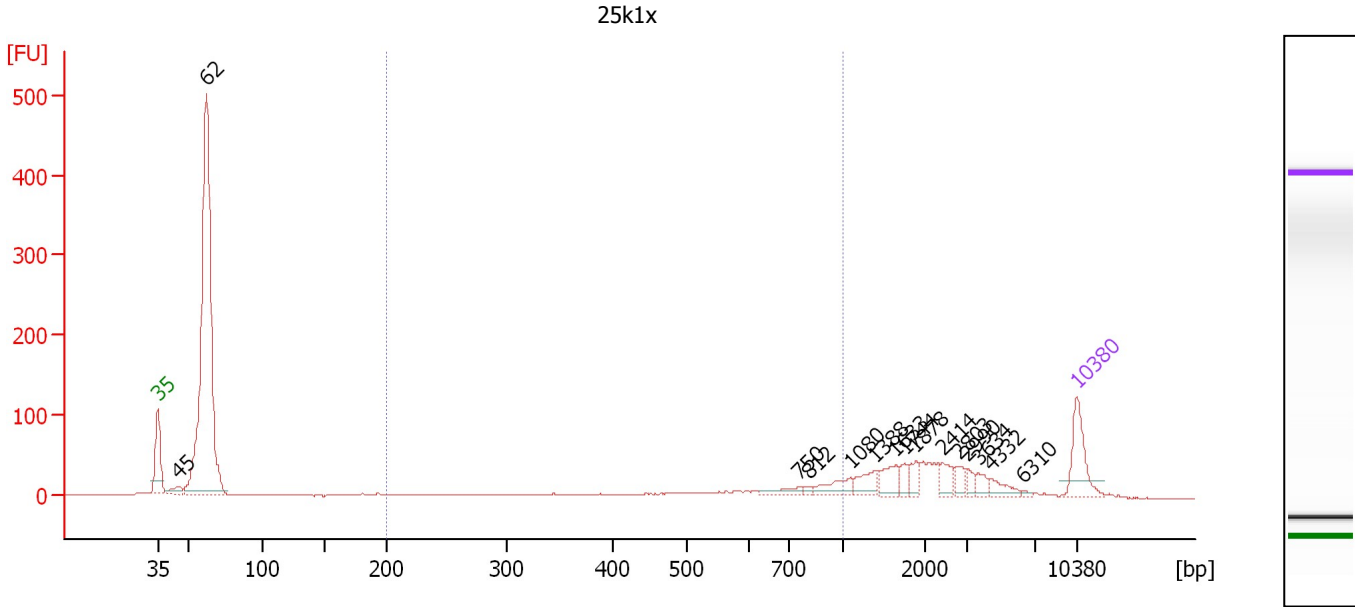
**Region table for sample 1 : 50k1x**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	623	291.0	311.10	971.1	17	35.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-03\2018-04-03\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 25k1x**

Number of peaks found: 15                      Corr. Area 1: 222.8  
 Noise: 0.2

**Peak table for sample 2 : 25k1x**

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	45	26.39	893.4		44.54
3	62	1,168.15	28,501.5		46.72
4	750	19.50	39.4		91.80
5	812	6.97	13.0		92.64
6	1,080	36.41	51.1		95.71
7	1,388	35.08	38.3		97.64
8	1,633	39.21	36.4		99.18
9	1,744	17.01	14.8		99.87
10	1,878	23.91	19.3		100.71
11	2,414	27.17	17.1		102.79
12	2,803	19.34	10.5		104.03
13	2,990	14.66	7.4		104.63
14	3,634	15.80	6.6		105.47
15	4,332	22.94	8.0		106.36
16	6,310	3.57	0.9		108.89
17	10,380	75.00	10.9	Upper Marker	113.00

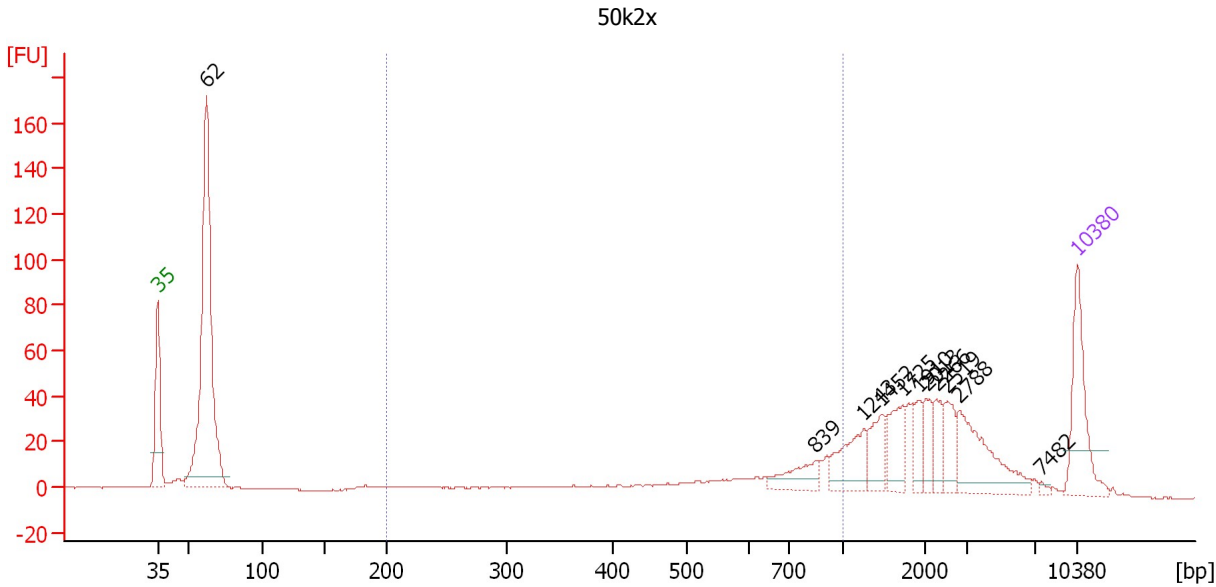
**Region table for sample 2 : 25k1x**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Total	Size distribution in CV [%]
200	1,000	599	222.8	192.21	642.1	13	38.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-03\2018-04-03\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 50k2x**

Number of peaks found: 11                      Corr. Area 1: 196.2  
 Noise: 0.2

**Peak table for sample 3 : 50k2x**

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	62	496.75	12,100.7		46.73
3	839	34.12	61.6		93.01
4	1,243	53.30	65.0		96.73
5	1,452	33.51	35.0		98.04
6	1,725	42.05	36.9		99.76
7	1,910	20.79	16.5		100.91
8	2,013	25.71	19.4		101.52
9	2,266	25.21	16.9		102.32
10	2,519	28.61	17.2		103.13
11	2,788	83.52	45.4		103.99
12	7,482	2.94	0.6		110.23
13	10,380	75.00	10.9	Upper Marker	113.00

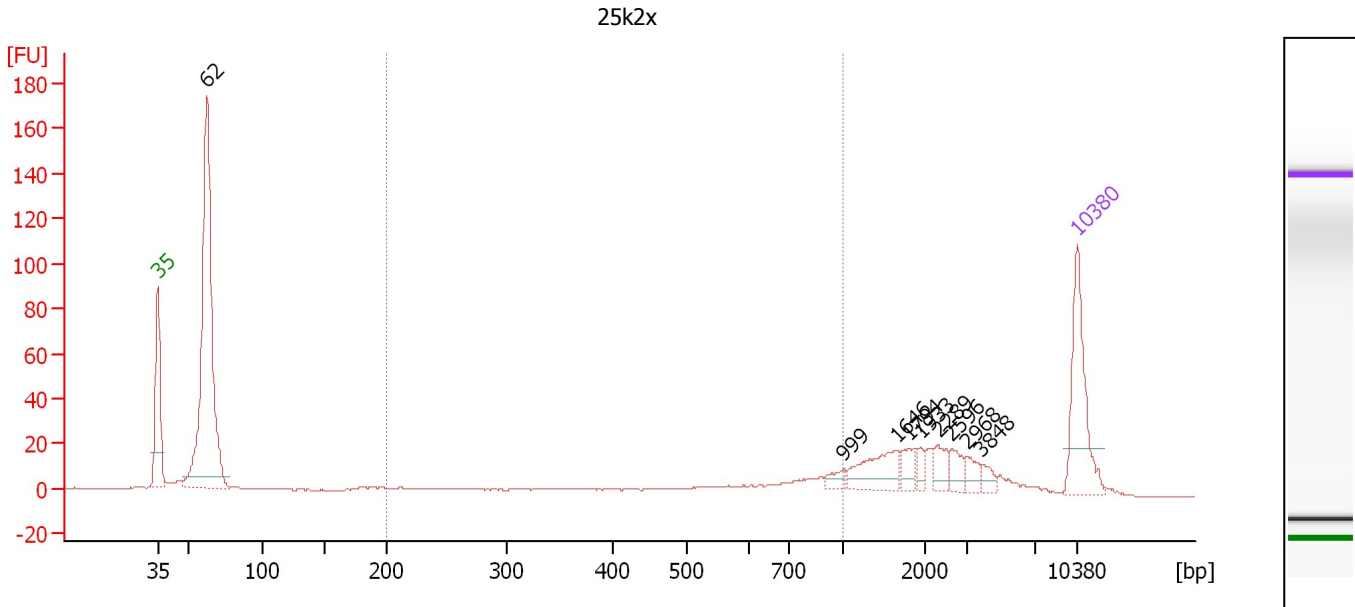
**Region table for sample 3 : 50k2x**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	620	196.2	205.16	649.2	20	36.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-03\2018-04-03\_003.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 25k2x**

Number of peaks found: 9                      Corr. Area 1: 121.3  
 Noise: 0.2

**Peak table for sample 4 : 25k2x**

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	62	469.28	11,381.4		46.76
3	999	9.80	14.9		95.19
4	1,646	41.99	38.7		99.26
5	1,794	15.33	13.0		100.18
6	1,933	9.04	7.1		101.06
7	2,289	15.26	10.1		102.40
8	2,596	14.42	8.4		103.38
9	2,968	11.63	5.9		104.56
10	3,848	8.33	3.3		105.74
11	10,380	75.00	10.9	Upper Marker	113.00

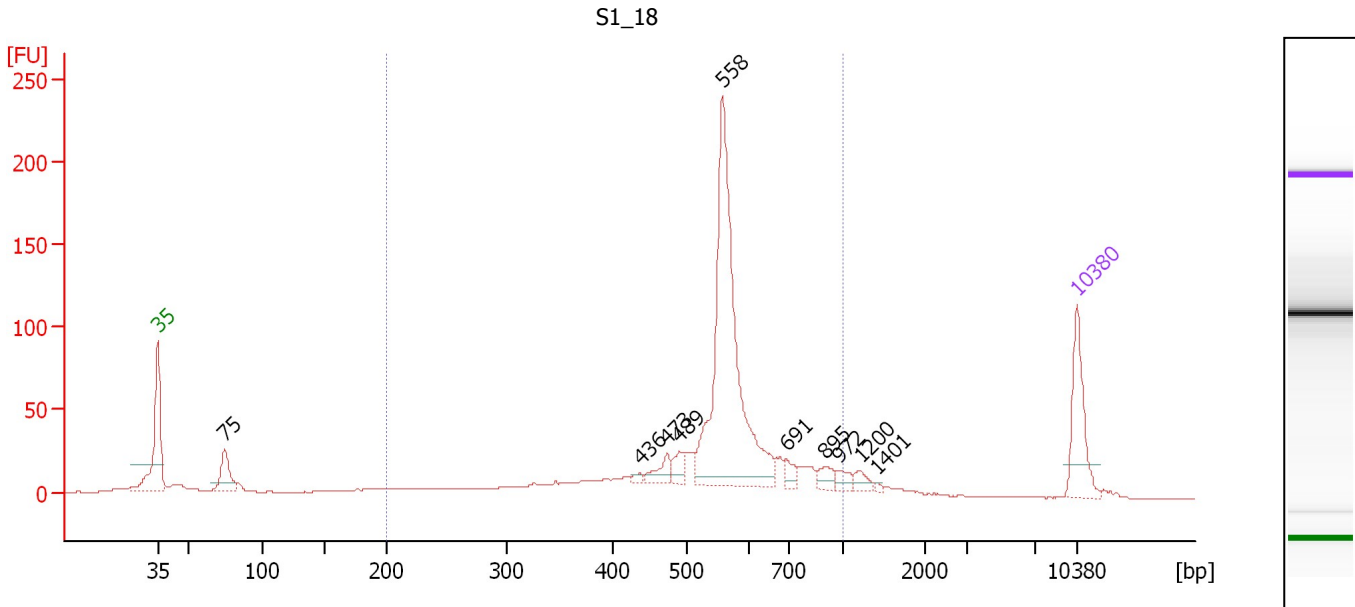
**Region table for sample 4 : 25k2x**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	591	121.3	117.14	399.9	17	38.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-03\2018-04-03\_003.xad

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 Modified: 4/3/2018 4:00:53 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : S1\_18**

Number of peaks found: 10                      Corr. Area 1: 902.5  
 Noise: 0.2

**Peak table for sample 5 : S1\_18**

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	75	60.92	1,237.9		48.11
3	436	4.55	15.8		79.71
4	473	26.04	83.4		81.82
5	489	21.25	65.9		82.71
6	558	484.86	1,316.7		86.03
7	691	17.41	38.2		90.83
8	895	17.86	30.2		93.78
9	972	13.34	20.8		94.83
10	1,200	13.26	16.7		96.46
11	1,401	2.73	3.0		97.73
12	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 5 : S1\_18**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	553	902.5	920.82	2,825.6	82	24.5



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-04-03\2018-04-03\_003.xad

Created: 4/3/2018 3:36:44 PM  
Modified: 4/3/2018 4:00:53 PM

**Gel Image**

