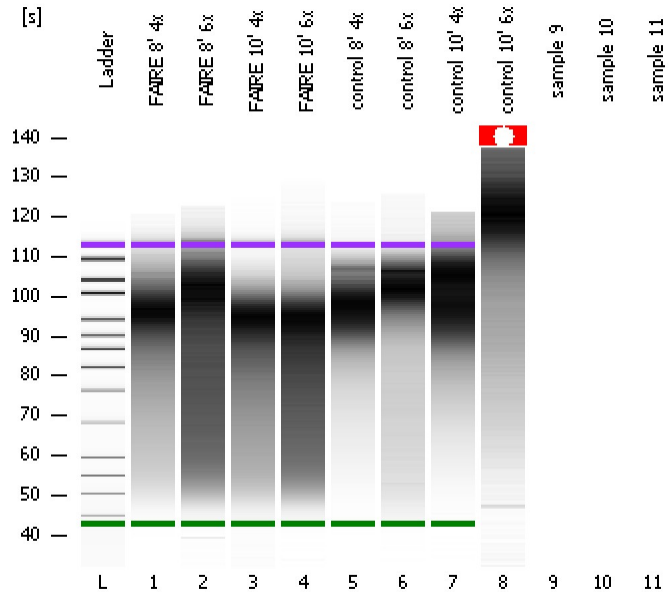


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-26\2015-02-26\_001.xad

Created: 2/26/2015 10:28:02 AM  
Modified: 2/26/2015 11:06:49 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

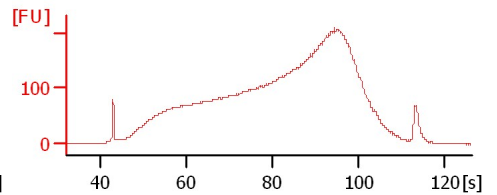
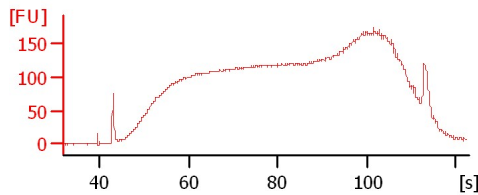
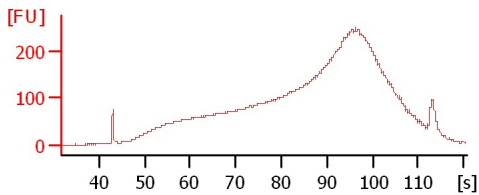
#### Chip Information:

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

FAIRE 8' 4x

FAIRE 8' 6x

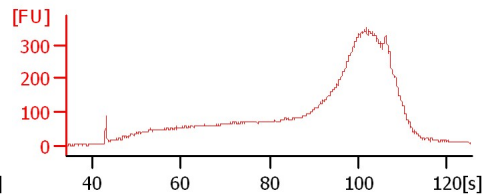
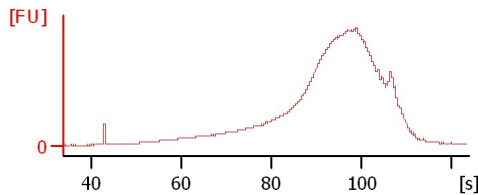
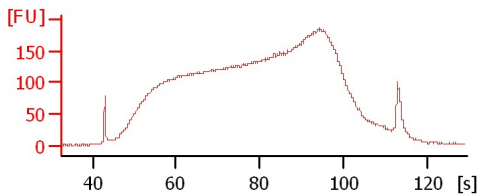
FAIRE 10' 4x



FAIRE 10' 6x

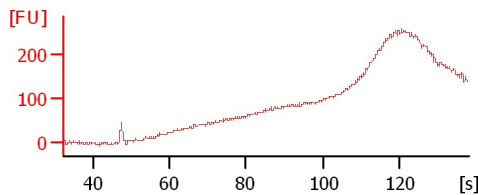
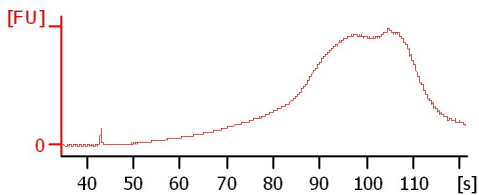
control 8' 4x

control 8' 6x



control 10' 4x

control 10' 6x



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-26\2015-02-26\_001.xad

Created: 2/26/2015 10:28:02 AM  
 Modified: 2/26/2015 11:06:49 AM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
FAIRE 8' 4x		<input type="checkbox"/>				
FAIRE 8' 6x		<input type="checkbox"/>				
FAIRE 10' 4x		<input type="checkbox"/>				
FAIRE 10' 6x		<input type="checkbox"/>				
control 8' 4x		<input type="checkbox"/>				
control 8' 6x		<input type="checkbox"/>				
control 10' 4x		<input type="checkbox"/>				
control 10' 6x		<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\2015-02-26\2015-02-26\_001.xad

Created: 2/26/2015 10:28:02 AM  
Modified: 2/26/2015 11:06:49 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

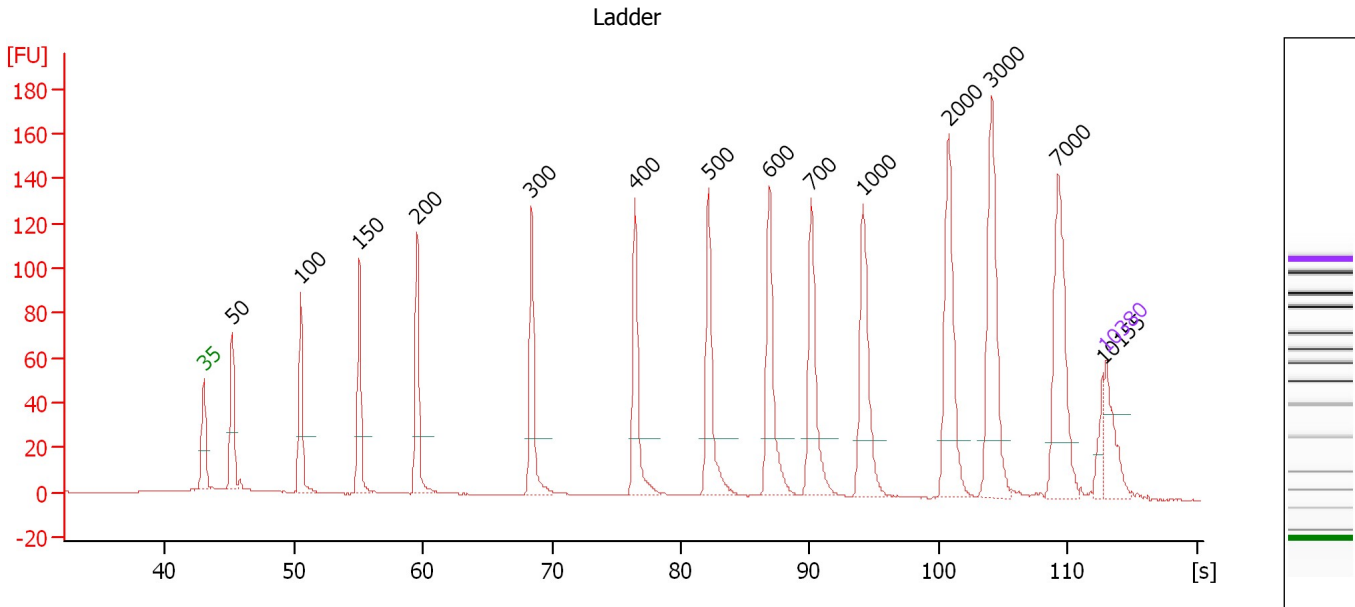
**Ladder**

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:\...ents and Settings\Bioanalyzer\2015-02-26\2015-02-26\_001.xad

Created: 2/26/2015 10:28:02 AM  
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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

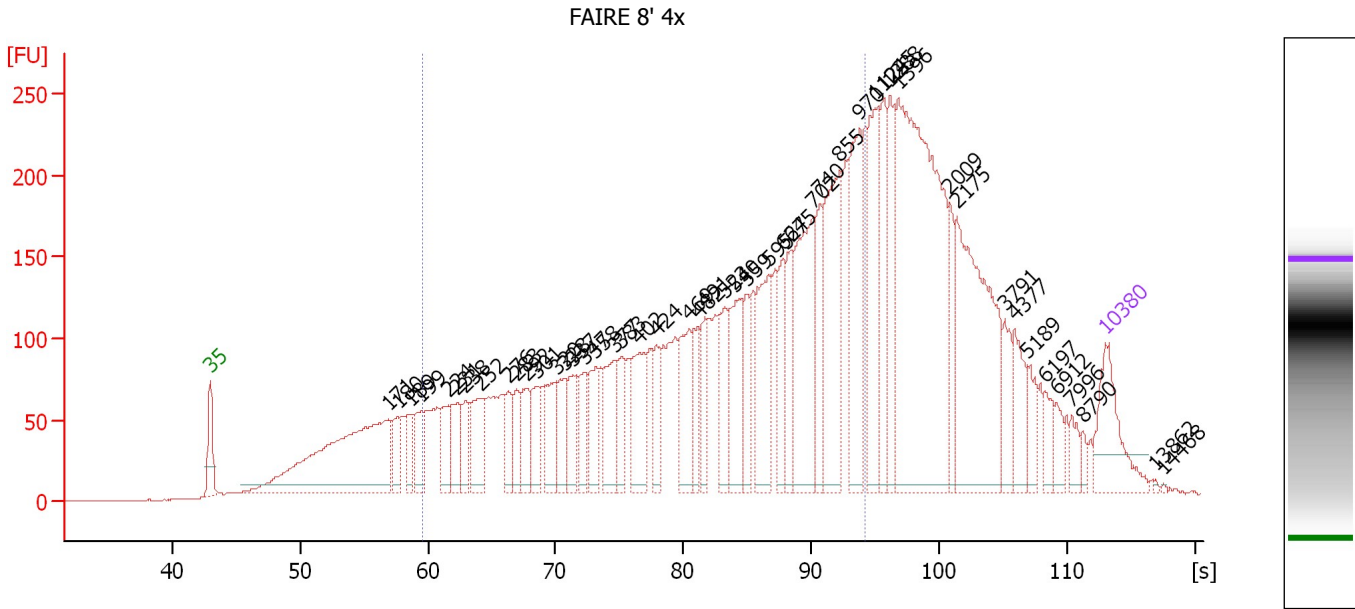
**Peak table for Ladder**

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	45.21
3	100	150.00	2,272.7	Ladder Peak	50.50
4	150	150.00	1,515.2	Ladder Peak	55.04
5	200	150.00	1,136.4	Ladder Peak	59.54
6	300	150.00	757.6	Ladder Peak	68.42
7	400	150.00	568.2	Ladder Peak	76.46
8	500	150.00	454.5	Ladder Peak	82.17
9	600	150.00	378.8	Ladder Peak	86.88
10	700	150.00	324.7	Ladder Peak	90.13
11	1,000	150.00	227.3	Ladder Peak	94.17
12	2,000	150.00	113.6	Ladder Peak	100.79
13	3,000	150.00	75.8	Ladder Peak	104.08
14	7,000	150.00	32.5	Ladder Peak	109.25
15	10,155	0.00	0.0		112.75
16	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-26\2015-02-26\_001.xad

Created: 2/26/2015 10:28:02 AM  
 Modified: 2/26/2015 11:06:49 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : FAIRE 8' 4x**

Number of peaks found: 49                      Corr. Area 1: 4,718.6  
 Noise: 0.3

**Peak table for sample 1 : FAIRE 8' 4x**


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	171	472.09	4,191.8		56.90
3	180	47.00	396.7		57.70
4	189	44.52	356.3		58.58
5	199	56.91	433.1		59.46
6	224	50.73	343.6		61.64
7	231	63.61	416.7		62.32
8	238	47.64	302.8		62.95
9	252	79.47	477.6		64.16
10	276	44.73	245.4		66.31
11	283	41.33	221.0		66.94
12	292	59.98	310.9		67.73
13	301	56.88	285.9		68.53
14	320	74.97	355.3		70.00
15	328	60.27	278.8		70.63
16	337	57.51	258.6		71.39
17	347	57.25	249.7		72.23
18	358	61.12	258.8		73.07
19	377	87.10	349.9		74.62
20	383	49.54	195.8		75.12
21	402	94.74	357.4		76.55
22	424	47.24	168.6		77.85
23	469	92.32	298.1		80.41
24	482	50.88	160.0		81.13
25	491	48.84	150.6		81.67

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-26\2015-02-26\_001.xad


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 Modified: 2/26/2015 11:06:49 AM

**Electropherogram Summary Continued ...**

**... Peak table for sample 1 : FAIRE 8' 4x**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	523	72.73	210.9		83.23
27	540	104.77	293.8		84.07
28	559	54.65	148.1		84.95
29	595	122.67	312.5		86.63
30	627	55.83	134.8		87.76
31	645	71.82	168.6		88.35
32	702	190.85	411.7		90.16
33	740	73.02	149.6		90.66
34	855	189.22	335.3		92.21
35	970	147.10	229.7		93.77
36	1,124	128.41	173.2		94.99
37	1,225	94.09	116.4		95.66
38	1,288	81.58	95.9		96.08
39	1,396	505.65	548.7		96.79
40	2,009	47.51	35.8		100.82
41	2,175	249.67	173.9		101.37
42	3,791	38.99	15.6		105.11
43	4,377	50.52	17.5		105.86
44	5,189	29.06	8.5		106.91
45	6,197	22.37	5.5		108.21
46	6,912	19.38	4.2		109.14
47	7,996	16.98	3.2		110.35
48	8,790	8.59	1.5		111.24
49	 10,380	75.00	10.9	Upper Marker	113.00
50	13,862	0.00	0.0		116.86
51	14,468	0.00	0.0		117.54

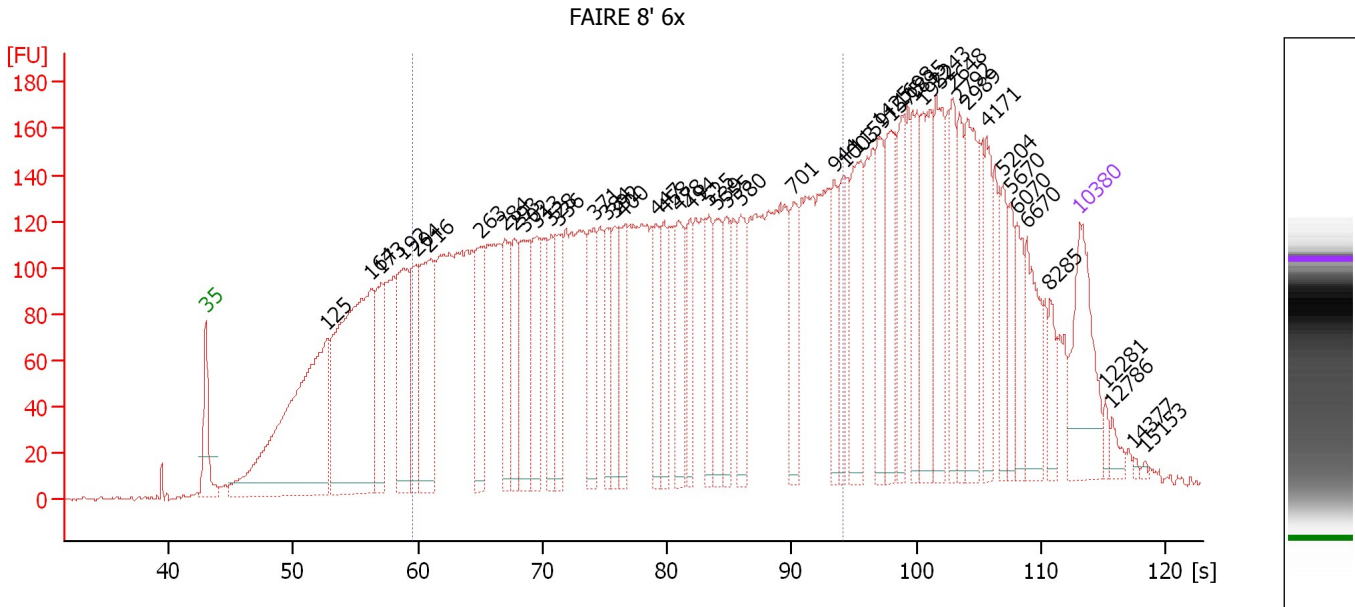
**Region table for sample 1 : FAIRE 8' 4x**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	537	1,000	4,718.6	57	39.9	3,144.06	11,560.8	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-26\2015-02-26\_001.xad

Created: 2/26/2015 10:28:02 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : FAIRE 8' 6x**

Number of peaks found: 48                      Corr. Area 1: 5,441.9  
 Noise: 0.9

**Peak table for sample 2 : FAIRE 8' 6x**

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	125	431.52	5,229.8		52.77
3	164	420.57	3,896.7		56.26
4	173	87.96	772.0		57.08
5	192	137.54	1,084.1		58.84
6	204	86.23	639.7		59.92
7	216	160.12	1,123.7		60.95
8	263	94.66	545.4		65.13
9	284	81.90	437.3		66.98
10	293	61.61	319.1		67.75
11	302	106.67	535.3		68.57
12	313	86.46	418.3		69.48
13	328	61.68	284.8		70.68
14	336	61.00	275.3		71.28
15	371	73.07	298.4		74.13
16	384	55.39	218.6		75.16
17	392	54.64	211.0		75.85
18	400	54.00	204.6		76.45
19	447	48.26	163.4		79.16
20	458	51.57	170.6		79.77
21	478	69.13	219.0		80.93
22	494	46.77	143.4		81.83
23	525	52.37	151.2		83.34
24	539	61.26	172.3		83.98
25	555	46.62	127.3		84.76

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-26\2015-02-26\_001.xad


Created: 2/26/2015 10:28:02 AM  
 Modified: 2/26/2015 11:06:49 AM

**Electropherogram Summary Continued ...**

**... Peak table for sample 2 : FAIRE 8' 6x**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	580	57.81	151.1		85.92
27	701	55.89	120.8		90.14
28	944	42.51	68.2		93.41
29	1,003	41.81	63.2		94.19
30	1,159	81.76	106.9		95.22
31	1,425	55.63	59.1		96.99
32	1,575	64.45	62.0		97.98
33	1,698	55.90	49.9		98.79
34	1,835	49.41	40.8		99.70
35	1,952	72.43	56.2		100.47
36	2,243	66.30	44.8		101.59
37	2,648	44.41	25.4		102.93
38	2,792	39.84	21.6		103.40
39	2,989	74.90	38.0		104.05
40	4,171	43.48	15.8		105.60
41	5,204	35.67	10.4		106.93
42	5,670	27.15	7.3		107.53
43	6,070	32.41	8.1		108.05
44	6,670	52.03	11.8		108.82
45	8,285	20.81	3.8		110.68
46	10,380	75.00	10.9	Upper Marker	113.00
47	12,281	0.00	0.0		115.11
48	12,786	0.00	0.0		115.67
49	14,377	0.00	0.0		117.43
50	15,153	0.00	0.0		118.30

**Region table for sample 2 : FAIRE 8' 6x**

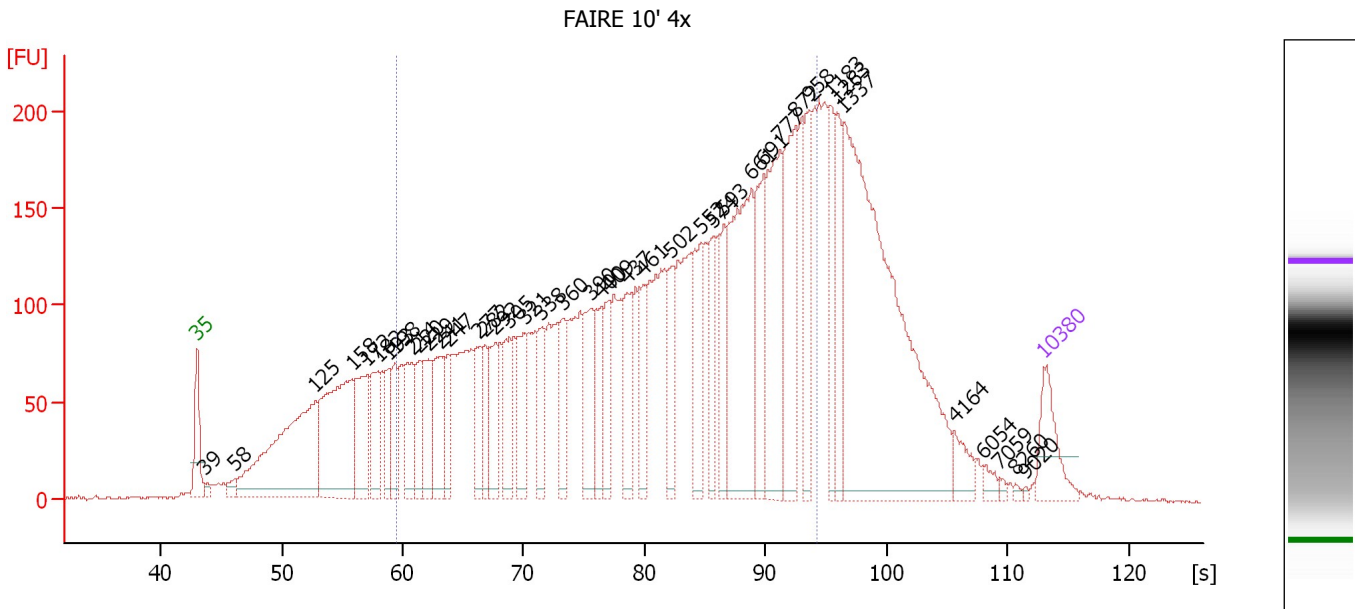
From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	466	1,000	5,441.9	57	42.7	3,249.70	13,587.6	



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-26\2015-02-26\_001.xad

Created: 2/26/2015 10:28:02 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : FAIRE 10' 4x**

Number of peaks found: 42      Corr. Area 1: 5,205.9  
 Noise: 0.9

**Peak table for sample 3 : FAIRE 10' 4x**

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	39	15.58	601.9		43.62
3	58	22.76	589.6		46.11
4	125	605.20	7,339.2		52.77
5	158	458.10	4,386.2		55.78
6	172	199.77	1,759.2		57.03
7	182	128.35	1,066.1		57.96
8	193	91.70	720.8		58.89
9	198	92.36	706.0		59.38
10	214	138.73	983.7		60.76
11	220	96.96	667.2		61.33
12	229	123.17	814.3		62.13
13	241	155.59	979.5		63.15
14	247	87.84	538.4		63.73
15	277	99.47	544.7		66.35
16	282	85.64	460.7		66.79
17	292	110.48	573.9		67.68
18	305	110.35	547.8		68.83
19	321	115.83	546.4		70.12
20	338	96.49	432.8		71.45
21	360	89.67	377.6		73.23
22	390	138.90	540.1		75.63
23	400	87.35	331.2		76.42
24	409	101.95	377.9		76.96
25	437	129.64	449.8		78.55

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-26\2015-02-26\_001.xad


Created: 2/26/2015 10:28:02 AM  
 Modified: 2/26/2015 11:06:49 AM

**Electropherogram Summary Continued ...**

**... Peak table for sample 3 : FAIRE 10' 4x**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	461	86.00	282.8		79.93
27	502	97.91	295.8		82.24
28	552	133.14	365.2		84.64
29	574	98.38	259.6		85.66
30	593	99.52	254.3		86.54
31	661	387.11	887.5		88.85
32	691	173.84	381.2		89.83
33	777	269.93	526.4		91.16
34	872	213.29	370.4		92.45
35	958	112.64	178.1		93.60
36	1,183	107.57	137.8		95.38
37	1,263	103.65	124.3		95.91
38	1,337	887.79	1,006.1		96.40
39	4,164	39.03	14.2		105.59
40	6,054	14.57	3.6		108.03
41	7,059	5.32	1.1		109.32
42	8,260	3.80	0.7		110.65
43	9,020	2.68	0.5		111.49
44	10,380	75.00	10.9	Upper Marker	113.00

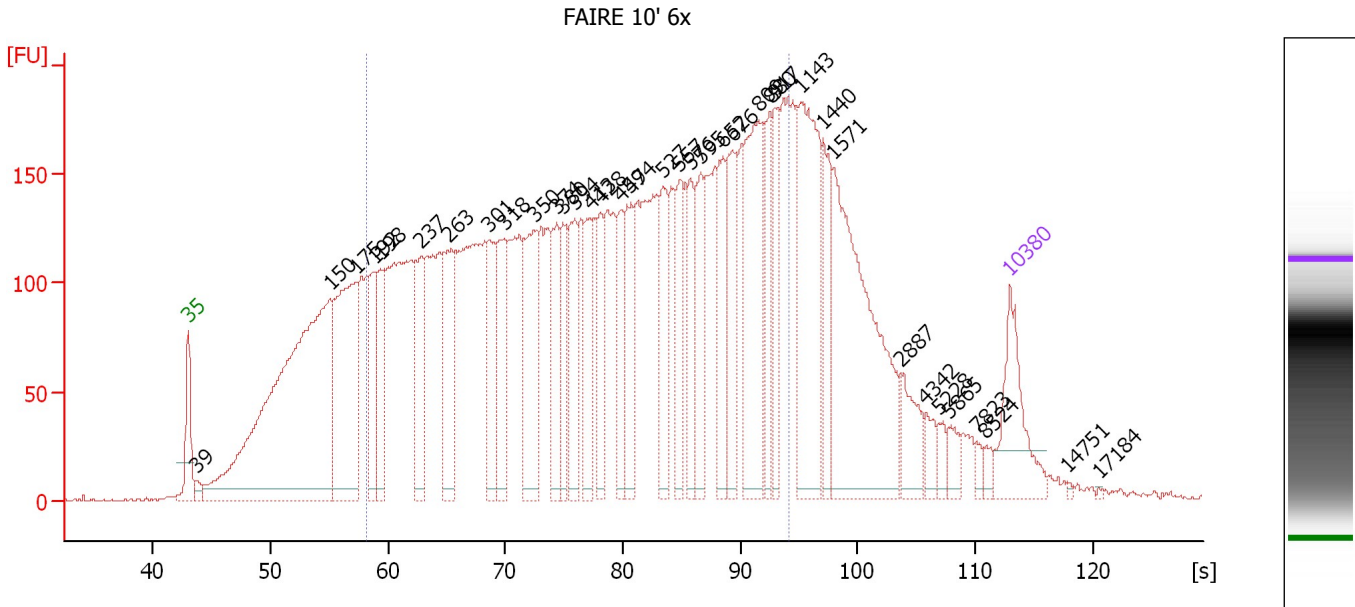
**Region table for sample 3 : FAIRE 10' 4x**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	518	1,000	5,205.9	64	40.8	5,492.12	20,903.6	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-26\2015-02-26\_001.xad

Created: 2/26/2015 10:28:02 AM  
 Modified: 2/26/2015 11:06:49 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : FAIRE 10' 6x**

Number of peaks found: 37      Corr. Area 1: 6,506.8  
 Noise: 0.6

**Peak table for sample 4 : FAIRE 10' 6x**

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	39	13.71	528.0		43.64
3	150	872.21	8,816.0		55.03
4	175	318.25	2,750.4		57.32
5	192	103.51	818.6		58.78
6	198	88.87	679.4		59.38
7	237	116.05	740.8		62.86
8	263	149.59	863.1		65.10
9	301	105.82	531.9		68.53
10	318	101.98	485.2		69.90
11	350	156.09	676.2		72.42
12	374	88.60	359.3		74.34
13	380	72.22	287.6		74.89
14	394	86.22	331.9		75.94
15	413	84.84	311.0		77.22
16	428	70.02	248.0		78.05
17	459	64.33	212.3		79.83
18	474	89.48	285.8		80.70
19	527	83.82	240.9		83.44
20	557	77.04	209.5		84.86
21	576	70.37	185.2		85.73
22	595	78.53	199.9		86.65
23	652	82.62	192.0		88.57
24	676	99.53	223.1		89.35
25	809	189.63	355.3		91.59

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-26\2015-02-26\_001.xad


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**Electropherogram Summary Continued ...**

**... Peak table for sample 4 : FAIRE 10' 6x**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	880	69.27	119.3		92.55
27	917	69.26	114.4		93.05
28	1,143	206.78	274.2		95.11
29	1,440	69.02	72.7		97.08
30	1,571	294.76	284.3		97.95
31	2,887	41.81	21.9		103.71
32	4,342	16.24	5.7		105.82
33	5,228	11.42	3.3		106.96
34	5,865	17.06	4.4		107.78
35	7,823	7.61	1.5		110.16
36	8,524	8.33	1.5		110.94
37	10,380	75.00	10.9	Upper Marker	113.00
38	14,751	0.00	0.0		117.85
39	17,184	0.00	0.0		120.55

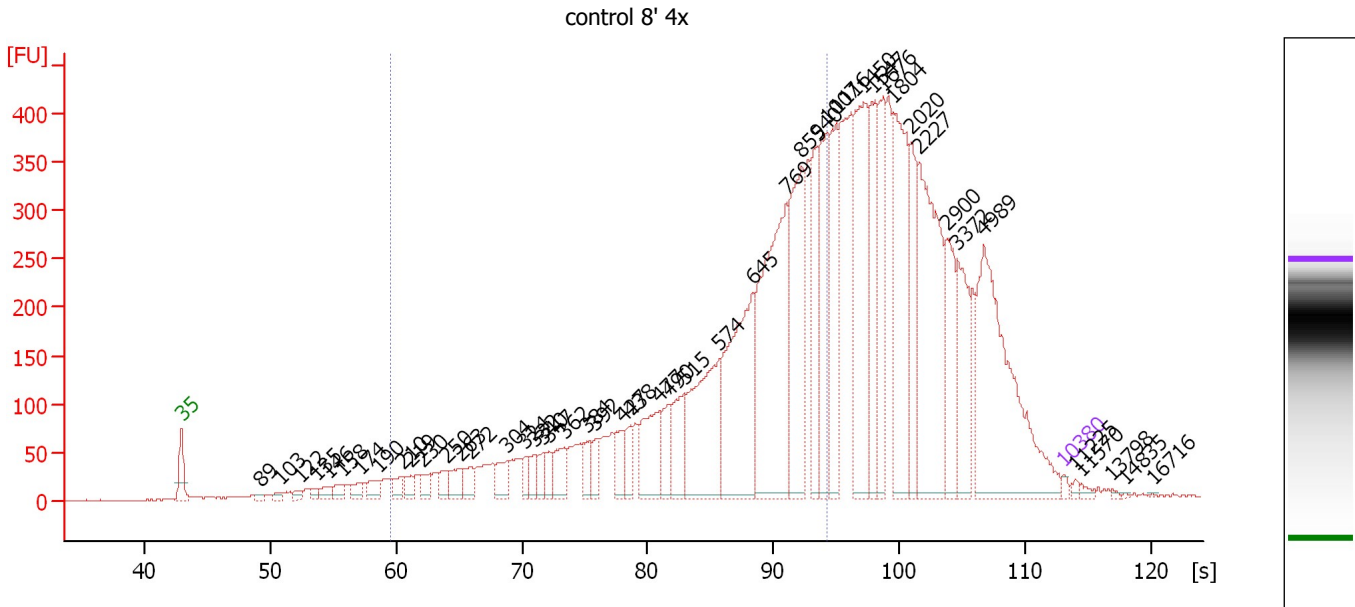
**Region table for sample 4 : FAIRE 10' 6x**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
184	474	1,000	6,506.8	67	43.7	4,277.18	18,196.9	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-26\2015-02-26\_001.xad

Created: 2/26/2015 10:28:02 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : control 8' 4x**

Number of peaks found: 48                      Corr. Area 1: 4,805.1  
 Noise: 0.8

**Peak table for sample 5 : control 8' 4x**

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	89	106.24	1,814.4		49.31
3	103	154.71	2,270.0		50.80
4	122	186.76	2,318.8		52.50
5	135	167.77	1,887.2		53.65
6	146	299.53	3,099.6		54.72
7	158	332.64	3,195.0		55.74
8	174	383.97	3,337.5		57.23
9	190	446.42	3,552.3		58.68
10	210	322.80	2,324.2		60.47
11	219	360.08	2,495.8		61.19
12	230	420.66	2,775.5		62.17
13	250	439.81	2,662.5		64.00
14	263	515.21	2,965.4		65.15
15	272	491.78	2,735.7		65.96
16	304	603.40	3,002.7		68.78
17	324	341.17	1,597.7		70.31
18	332	372.07	1,697.9		70.99
19	340	406.55	1,809.1		71.67
20	347	357.57	1,562.0		72.18
21	362	731.21	3,063.1		73.38
22	384	427.75	1,685.7		75.21
23	392	470.64	1,817.2		75.85
24	427	583.37	2,071.8		77.98
25	438	537.07	1,858.6		78.62

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-26\2015-02-26\_001.xad


Created: 2/26/2015 10:28:02 AM  
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**Electropherogram Summary Continued ...**

**... Peak table for sample 5 : control 8' 4x**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	477	1,557.19	4,942.3		80.88
27	490	879.55	2,719.3		81.60
28	515	1,211.89	3,564.6		82.88
29	574	3,385.54	8,937.7		85.65
30	645	4,515.07	10,609.2		88.33
31	769	6,165.46	12,143.2		91.06
32	855	3,548.32	6,290.4		92.21
33	940	1,737.19	2,799.9		93.36
34	1,007	2,475.61	3,725.9		94.21
35	1,116	2,114.51	2,870.7		94.94
36	1,450	3,691.76	3,856.4		97.15
37	1,547	2,075.36	2,032.7		97.79
38	1,676	1,919.12	1,735.4		98.64
39	1,804	3,287.22	2,760.6		99.49
40	2,020	1,378.14	1,033.7		100.86
41	2,227	4,266.11	2,902.3		101.54
42	2,900	1,516.95	792.5		103.75
43	3,372	1,650.86	741.7		104.56
44	4,989	5,065.85	1,538.6		106.65
45	10,380	75.00	10.9	Upper Marker	113.00
46	11,225	0.00	0.0		113.94
47	11,570	0.00	0.0		114.32
48	13,798	0.00	0.0		116.79
49	14,835	0.00	0.0		117.94
50	16,716	0.00	0.0		120.03

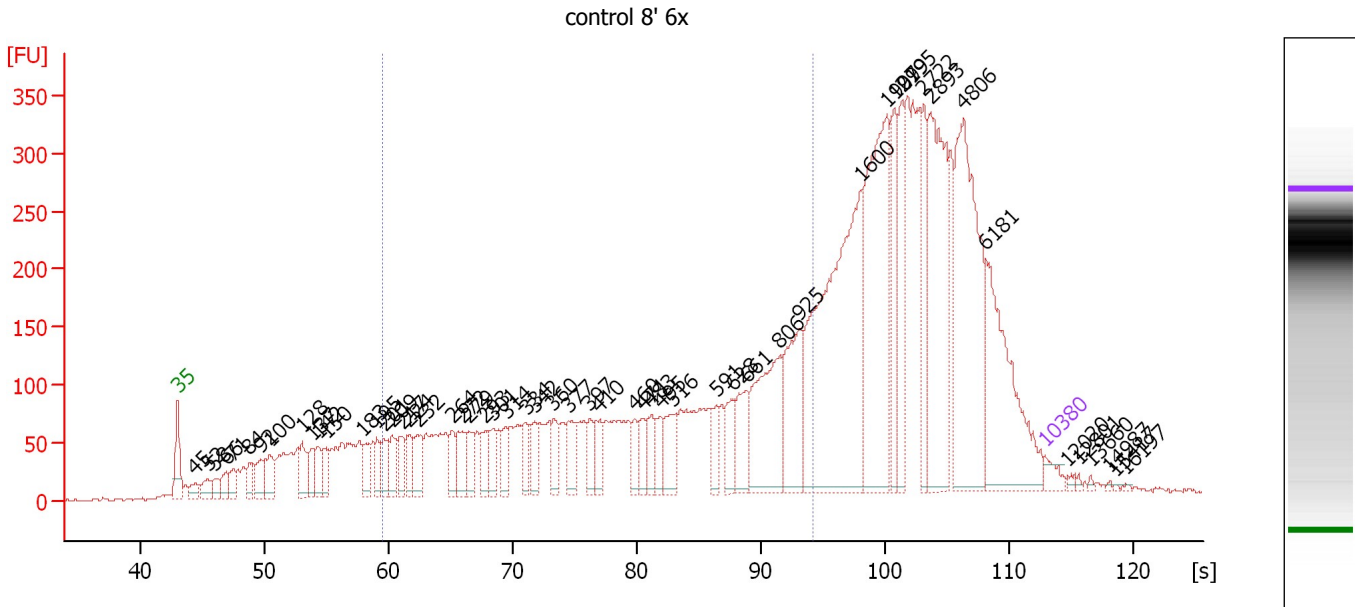
**Region table for sample 5 : control 8' 4x**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	627	1,000	4,805.1	47	33.4	38,255.11	115,835.6	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-26\2015-02-26\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : control 8' 6x**

Number of peaks found: 55      Corr. Area 1: 3,463.1  
 Noise: 1.0

**Peak table for sample 6 : control 8' 6x**

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	127.37	4,316.4		44.43
3	52	151.81	4,418.8		45.43
4	58	115.04	3,016.4		46.03
5	66	177.16	4,094.3		46.86
6	71	147.62	3,137.4		47.46
7	84	187.06	3,391.4		48.76
8	92	257.38	4,231.2		49.67
9	100	292.16	4,447.4		50.45
10	128	292.91	3,465.4		53.05
11	137	210.30	2,331.8		53.83
12	142	213.68	2,274.0		54.35
13	150	207.31	2,100.7		55.00
14	183	200.60	1,663.3		57.99
15	195	202.33	1,574.0		59.07
16	201	232.43	1,751.7		59.63
17	209	234.13	1,698.6		60.33
18	217	215.69	1,505.0		61.06
19	224	216.47	1,464.3		61.67
20	232	273.47	1,783.9		62.41
21	264	189.69	1,090.7		65.18
22	272	274.16	1,525.5		65.96
23	279	198.33	1,078.4		66.52
24	293	178.20	920.6		67.82
25	301	194.11	978.2		68.47

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-26\2015-02-26\_001.xad


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**Electropherogram Summary Continued ...**

**... Peak table for sample 6 : control 8' 6x**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	314	192.35	929.4		69.51
27	334	193.78	880.3		71.11
28	342	205.35	909.4		71.81
29	360	200.10	841.1		73.28
30	377	242.42	975.3		74.58
31	397	159.91	610.2		76.22
32	410	204.99	758.4		77.00
33	460	151.57	499.6		79.86
34	471	163.43	525.7		80.51
35	483	189.80	595.2		81.21
36	495	164.13	502.1		81.90
37	516	292.41	858.0		82.94
38	591	171.95	440.9		86.45
39	628	215.44	519.7		87.79
40	661	326.29	747.4		88.87
41	806	938.09	1,762.6		91.56
42	925	647.50	1,060.2		93.16
43	1,600	2,458.63	2,328.1		98.14
44	1,907	1,589.59	1,262.7		100.18
45	1,999	479.79	363.7		100.78
46	2,195	451.10	311.3		101.43
47	2,722	436.82	243.2		103.17
48	2,893	1,261.65	660.8		103.73
49	4,806	1,596.61	503.4		106.42
50	6,181	1,102.03	270.2		108.19
51	10,380	75.00	10.9	Upper Marker	113.00
52	12,020	0.00	0.0		114.82
53	12,801	0.00	0.0		115.69
54	13,660	0.00	0.0		116.64
55	14,987	0.00	0.0		118.11
56	15,417	0.00	0.0		118.59
57	16,197	0.00	0.0		119.45

**Region table for sample 6 : control 8' 6x**

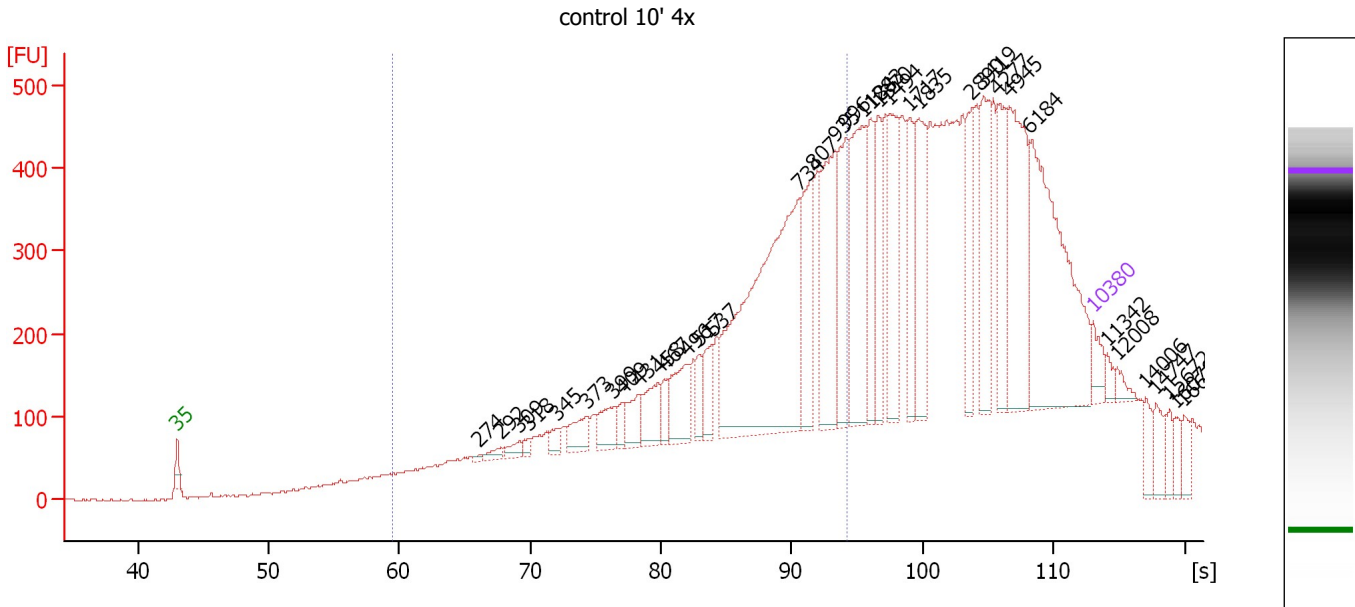
From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	512	1,000	3,463.1	38	42.9	11,002.48	43,186.2	



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-26\2015-02-26\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : control 10' 4x**

Number of peaks found: 36                      Corr. Area 1: 5,066.9  
 Noise: 1.7

**Peak table for sample 7 : control 10' 4x**

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	274	11.56	63.9		66.11
3	292	40.17	208.4		67.72
4	309	48.36	237.0		69.15
5	318	28.99	138.0		69.89
6	345	49.70	218.3		72.03
7	373	121.75	493.9		74.33
8	399	133.39	506.5		76.38
9	409	57.64	213.3		76.99
10	431	122.35	430.1		78.23
11	458	175.65	580.7		79.79
12	467	68.33	221.7		80.28
13	496	239.17	730.0		81.96
14	517	93.11	273.1		82.95
15	537	132.54	374.2		83.89
16	734	1,683.02	3,474.0		90.58
17	807	396.33	744.0		91.57
18	935	536.19	868.7		93.29
19	996	330.89	503.3		94.11
20	1,184	546.13	698.8		95.39
21	1,283	249.80	294.9		96.04
22	1,370	231.09	255.6		96.62
23	1,494	340.77	345.6		97.44
24	1,717	258.34	228.0		98.92
25	1,835	324.12	267.6		99.70

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-26\2015-02-26\_001.xad


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**Electropherogram Summary Continued ...**

**... Peak table for sample 7 : control 10' 4x**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,890	212.67	111.5		103.72
27	3,419	305.68	135.5		104.62
28	4,277	268.16	95.0		105.73
29	4,945	559.13	171.3		106.60
30	6,184	911.47	223.3		108.20
31	10,380	75.00	10.9	Upper Marker	113.00
32	11,342	0.00	0.0		114.07
33	12,008	0.00	0.0		114.81
34	14,006	0.00	0.0		117.02
35	14,747	0.00	0.0		117.84
36	15,672	0.00	0.0		118.87
37	16,079	0.00	0.0		119.32
38	16,671	0.00	0.0		119.98

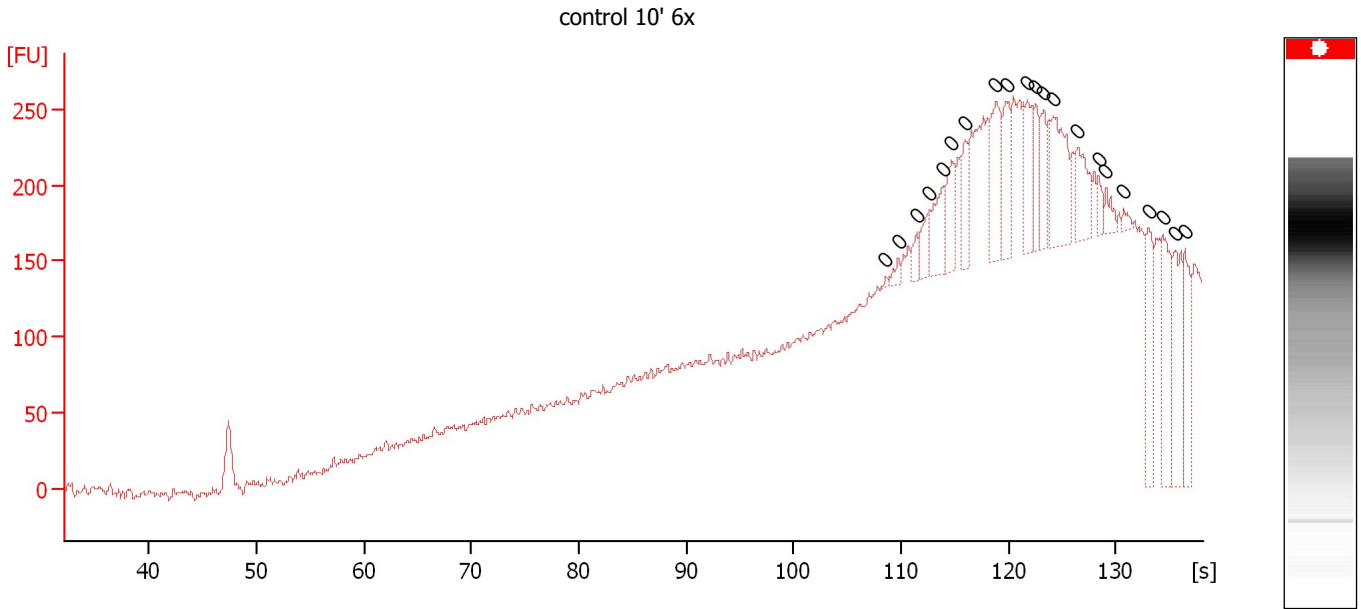
**Region table for sample 7 : control 10' 4x**

From [bp]	Average Size [bp]	To [bp]	Corr. Area	% of Total	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	635	1,000	5,066.9	41	30.8	5,887.30	16,770.2	

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-26\2015-02-26\_001.xad

Created: 2/26/2015 10:28:02 AM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : control 10' 6x**

Number of peaks found: 0                      Noise: 3.4

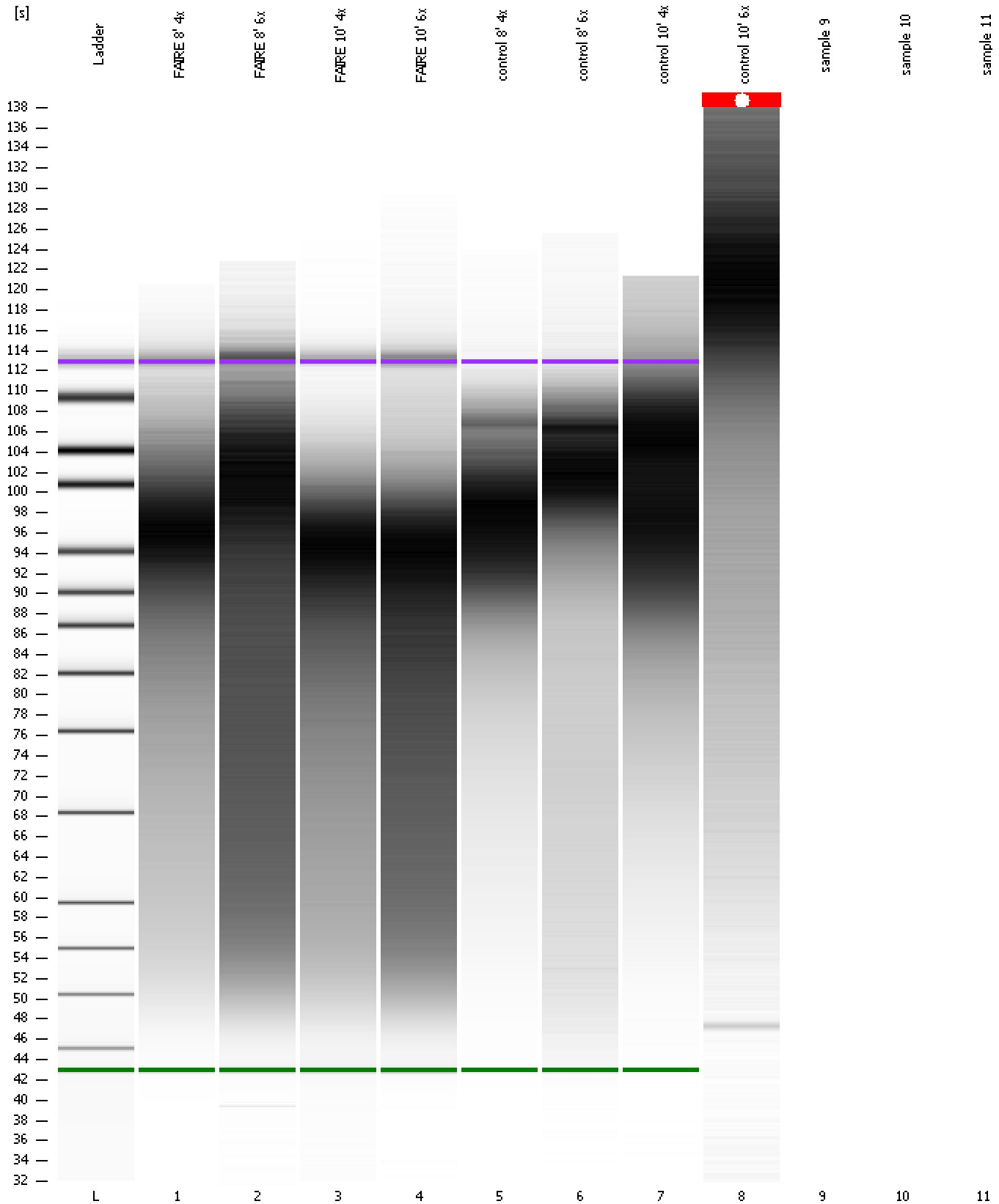
**Peak table for sample 8 : control 10' 6x**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		108.55
2	0	0.00	0.0		109.75
3	0	0.00	0.0		111.45
4	0	0.00	0.0		112.65
5	0	0.00	0.0		113.95
6	0	0.00	0.0		114.70
7	0	0.00	0.0		116.00
8	0	0.00	0.0		118.85
9	0	0.00	0.0		119.80
10	0	0.00	0.0		121.75
11	0	0.00	0.0		122.55
12	0	0.00	0.0		123.25
13	0	0.00	0.0		124.20
14	0	0.00	0.0		126.45
15	0	0.00	0.0		128.40
16	0	0.00	0.0		129.10
17	0	0.00	0.0		130.70
18	0	0.00	0.0		133.05
19	0	0.00	0.0		134.35
20	0	0.00	0.0		135.55
21	0	0.00	0.0		136.45

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-26\2015-02-26\_001.xad

Created: 2/26/2015 10:28:02 AM  
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Gel Image



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-26\2015-02-26\_001.xad

Created: 2/26/2015 10:28:02 AM  
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**Invalid Samples**

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.

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-02-26\2015-02-26\_001.xad

Created: 2/26/2015 10:28:02 AM  
 Modified: 2/26/2015 11:06:49 AM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 9)		Instrument	Run		2/26/2015 11:00:46 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-02-26\2015-02-26_001.xad)		Instrument	Run		2/26/2015 10:28:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		2/26/2015 10:28:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		2/26/2015 10:28:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		2/26/2015 10:28:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		2/26/2015 10:28:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		2/26/2015 10:28:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		2/26/2015 10:28:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1