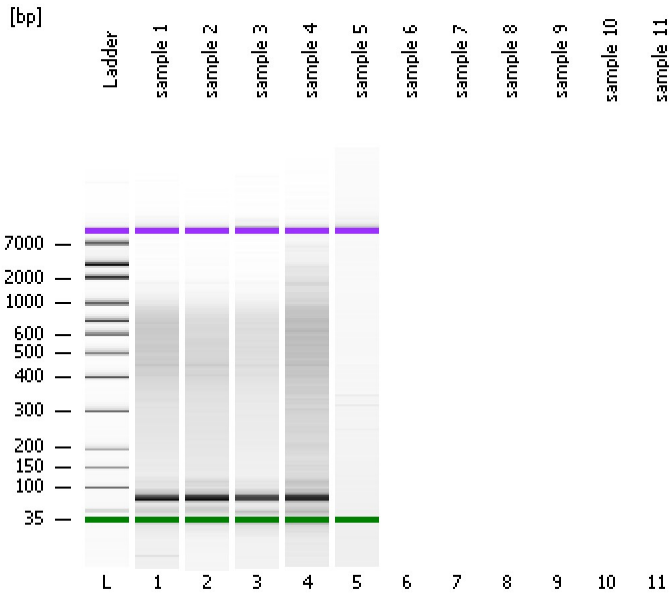


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...r\2100 expert\data\2018-02-28\2018-02-28\2018-02-28\_001.xad

Created: 2/28/2018 2:48:39 PM  
Modified: 2/28/2018 3:25:42 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

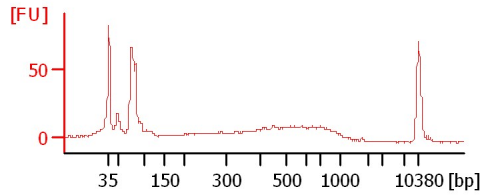
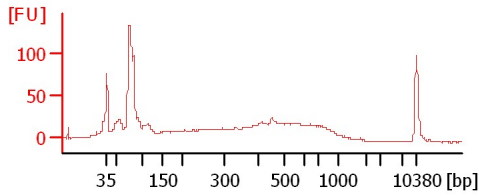
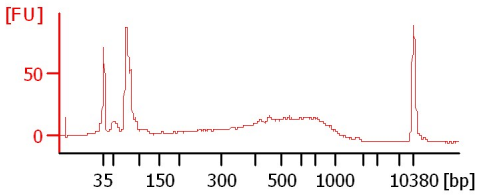
Chip Information:

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

**sample 1**

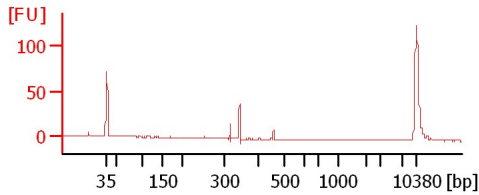
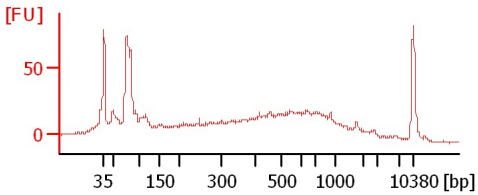
**sample 2**

**sample 3**



**sample 4**

**sample 5**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r\2100 expert\data\2018-02-28\2018-02-28\2018-02-28\_001.xad

Created: 2/28/2018 2:48:39 PM  
 Modified: 2/28/2018 3:25:42 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 1		<input type="checkbox"/>	✓			
sample 2		<input type="checkbox"/>	✓			
sample 3		<input type="checkbox"/>	✓			
sample 4		<input type="checkbox"/>	✓			
sample 5		<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 #**

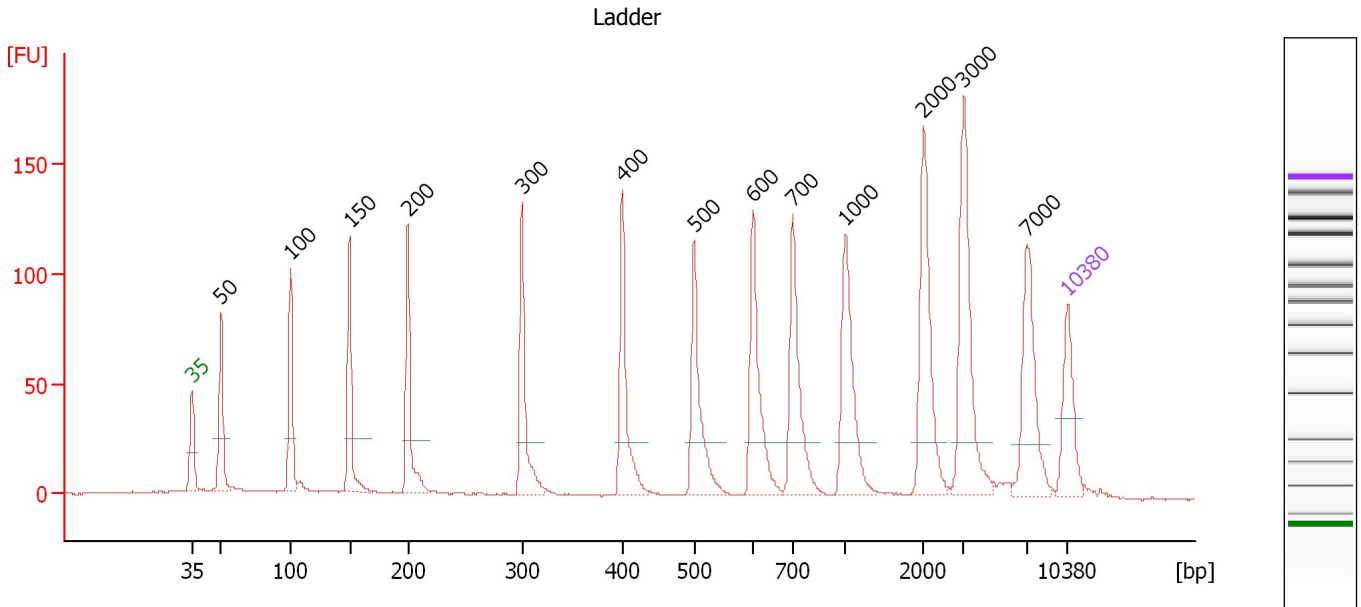
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r\2100 expert\data\2018-02-28\2018-02-28\2018-02-28\_001.xad

Created: 2/28/2018 2:48:39 PM  
 Modified: 2/28/2018 3:25:42 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.3

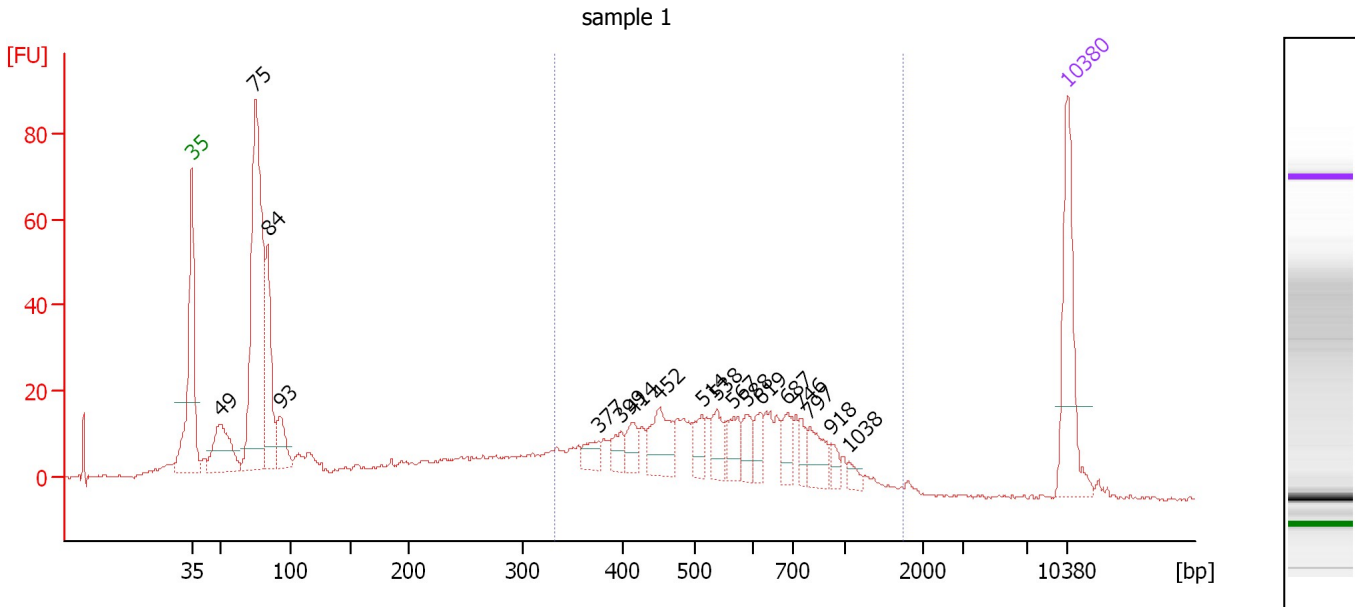
**Peak table for Ladder**

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	45.34
3	100	150.00	2,272.7	Ladder Peak	50.88
4	150	150.00	1,515.2	Ladder Peak	55.60
5	200	150.00	1,136.4	Ladder Peak	60.29
6	300	150.00	757.6	Ladder Peak	69.38
7	400	150.00	568.2	Ladder Peak	77.39
8	500	150.00	454.5	Ladder Peak	83.15
9	600	150.00	378.8	Ladder Peak	87.84
10	700	150.00	324.7	Ladder Peak	91.03
11	1,000	150.00	227.3	Ladder Peak	95.26
12	2,000	150.00	113.6	Ladder Peak	101.48
13	3,000	150.00	75.8	Ladder Peak	104.72
14	7,000	150.00	32.5	Ladder Peak	109.71
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r\2100 expert\data\2018-02-28\2018-02-28\2018-02-28\_001.xad

Created: 2/28/2018 2:48:39 PM  
 Modified: 2/28/2018 3:25:42 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : sample 1**

Number of peaks found: 18                      Corr. Area 1: 422.8  
 Noise: 0.4

**Peak table for sample 1 : sample 1**

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	49	76.59	2,350.1		45.24
3	75	355.03	7,205.9		48.07
4	84	104.78	1,899.9		49.06
5	93	39.07	637.3		50.09
6	377	16.82	67.6		75.53
7	399	16.11	61.1		77.33
8	414	19.41	71.0		78.22
9	452	46.36	155.5		80.38
10	514	22.47	66.3		83.79
11	538	24.23	68.2		84.96
12	567	22.48	60.0		86.30
13	588	18.38	47.3		87.29
14	619	17.02	41.6		88.46
15	687	20.26	44.7		90.61
16	746	11.25	22.8		91.69
17	797	27.19	51.7		92.40
18	918	9.25	15.3		94.11
19	1,038	6.82	10.0		95.50
20	10,380	75.00	10.9	Upper Marker	113.00

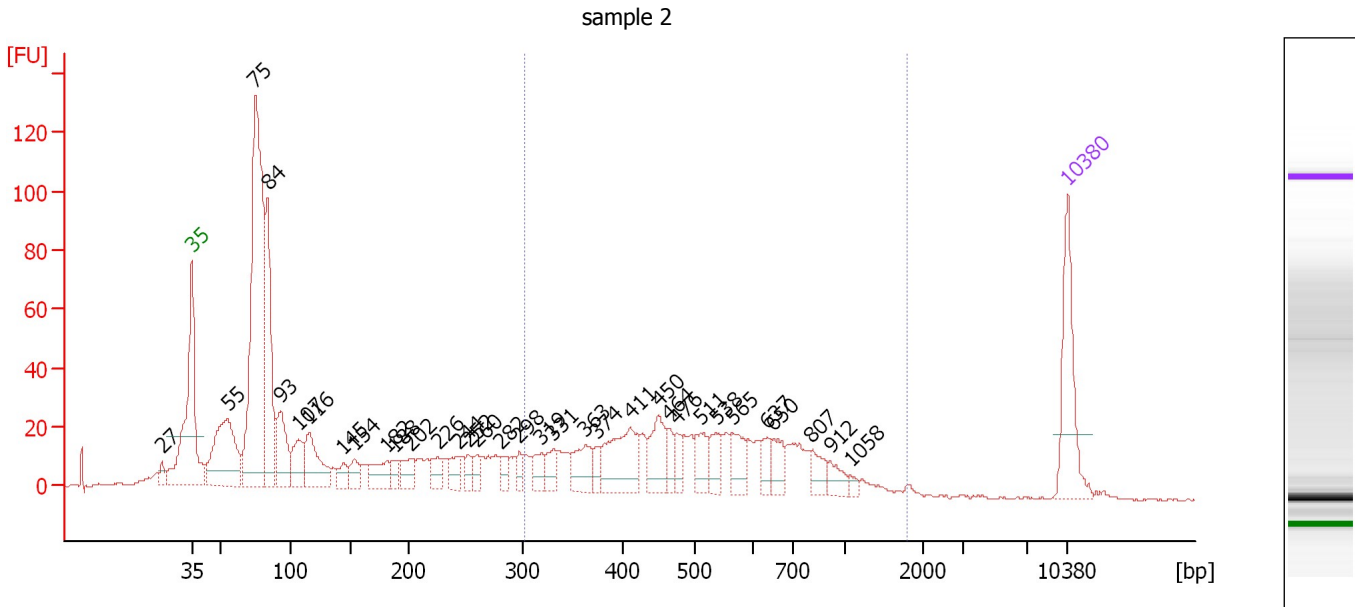
**Region table for sample 1 : sample 1**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
334	1,731	586	422.8	511.56	1,508.2	42	36.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r\2100 expert\data\2018-02-28\2018-02-28\2018-02-28\_001.xad

Created: 2/28/2018 2:48:39 PM  
 Modified: 2/28/2018 3:25:42 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : sample 2**

Number of peaks found: 34                      Corr. Area 1: 575.4  
 Noise: 0.4

**Peak table for sample 2 : sample 2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	27	0.00	0.0		40.59
2	35	125.00	5,411.3	Lower Marker	43.00
3	55	179.50	4,980.0		45.85
4	75	536.16	10,870.5		48.08
5	84	197.36	3,577.6		49.06
6	93	84.26	1,369.2		50.13
7	107	52.86	750.6		51.51
8	116	86.26	1,125.5		52.40
9	145	19.53	204.3		55.12
10	154	25.07	246.1		56.01
11	182	39.44	327.6		58.64
12	188	16.87	135.9		59.17
13	202	28.17	211.3		60.47
14	226	23.44	157.1		62.65
15	244	22.33	138.6		64.30
16	252	15.81	94.9		65.06
17	260	14.49	84.3		65.77
18	282	15.93	85.6		67.73
19	298	14.22	72.4		69.16
20	319	21.97	104.2		70.94
21	331	23.12	105.8		71.87
22	363	40.52	169.0		74.46
23	374	14.66	59.4		75.30
24	411	90.31	333.0		78.02
25	450	51.11	171.9		80.29

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r\2100 expert\data\2018-02-28\2018-02-28\2018-02-28\_001.xad

Created: 2/28/2018 2:48:39 PM  
 Modified: 2/28/2018 3:25:42 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 2 : sample 2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	464	18.24	59.6		81.05
27	476	17.12	54.5		81.77
28	511	30.27	89.7		83.68
29	538	27.96	78.8		84.93
30	565	32.34	86.8		86.18
31	637	17.89	42.5		89.03
32	650	24.36	56.8		89.43
33	807	22.48	42.2		92.55
34	912	16.70	27.8		94.02
35	1,058	5.55	8.0		95.62
36	10,380	75.00	10.9	Upper Marker	113.00

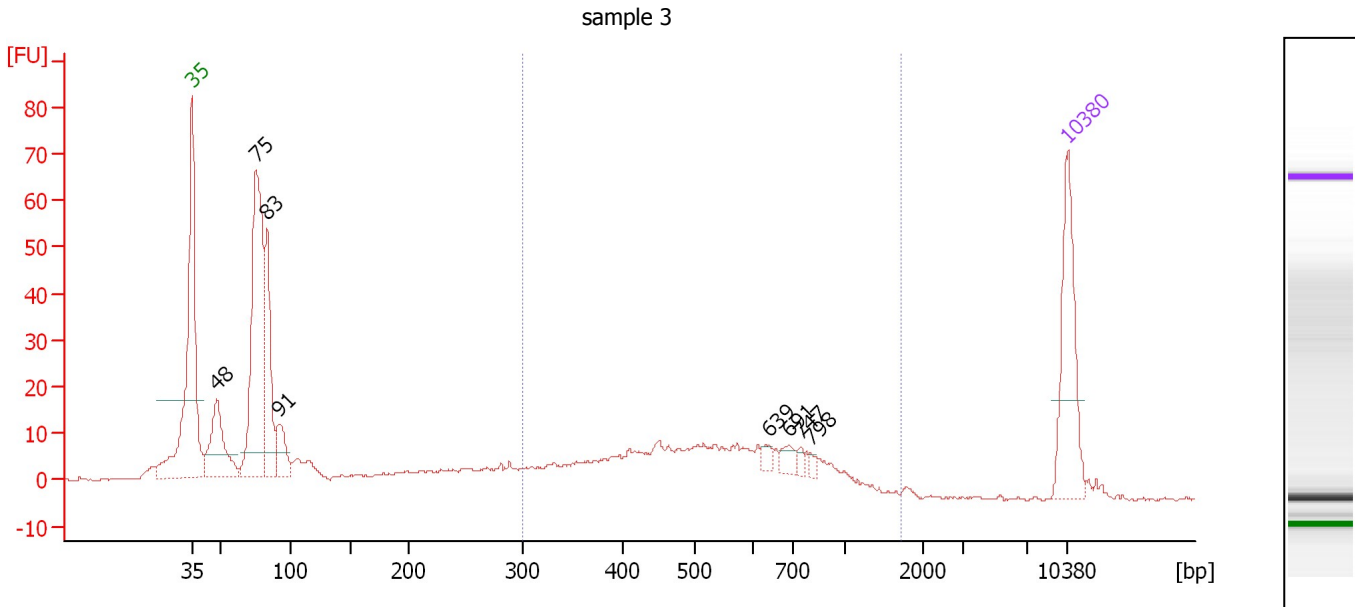
**Region table for sample 2 : sample 2**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
303	1,785	552	575.4	658.41	2,104.4	37	40.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r\2100 expert\data\2018-02-28\2018-02-28\2018-02-28\_001.xad

Created: 2/28/2018 2:48:39 PM  
 Modified: 2/28/2018 3:25:42 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : sample 3**

Number of peaks found: 8                      Corr. Area 1: 253.5  
 Noise: 0.4

**Peak table for sample 3 : sample 3**

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	48	97.43	3,096.5		44.98
3	75	292.15	5,890.8		48.13
4	83	122.55	2,230.0		49.02
5	91	40.16	665.9		49.92
6	639	6.89	16.3		89.08
7	691	10.28	22.5		90.75
8	747	4.84	9.8		91.69
9	798	3.99	7.6		92.41
10	10,380	75.00	10.9	Upper Marker	113.00

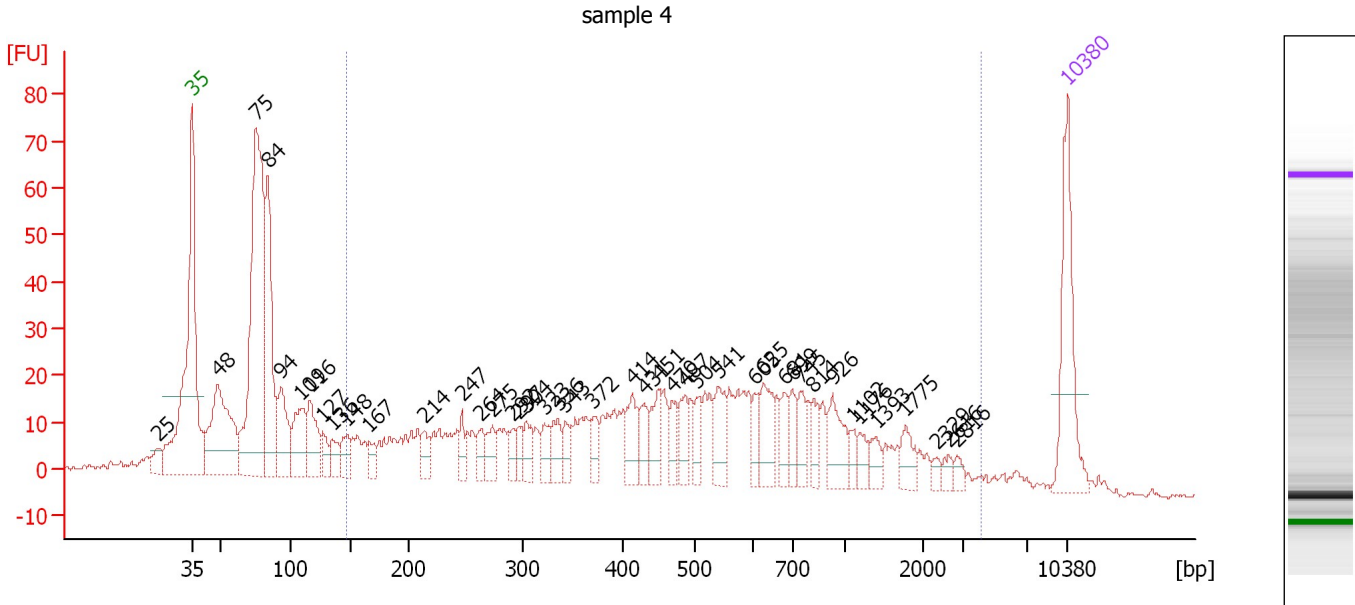
**Region table for sample 3 : sample 3**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
301	1,719	563	253.5	326.60	1,012.4	37	35.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r\2100 expert\data\2018-02-28\2018-02-28\2018-02-28\_001.xad

Created: 2/28/2018 2:48:39 PM  
 Modified: 2/28/2018 3:25:42 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : sample 4**

Number of peaks found: 43                      Corr. Area 1: 818.0  
 Noise: 0.3

**Peak table for sample 4 : sample 4**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	25	0.00	0.0		40.26
2	35	125.00	5,411.3	Lower Marker	43.00
3	48	170.70	5,376.3		45.05
4	75	394.05	7,957.2		48.11
5	84	165.04	2,982.3		49.09
6	94	74.80	1,212.1		50.16
7	109	63.38	880.1		51.74
8	116	61.95	805.9		52.44
9	127	20.87	248.3		53.46
10	136	22.30	249.1		54.25
11	148	25.18	257.9		55.41
12	167	15.99	145.3		57.18
13	214	18.30	129.7		61.55
14	247	18.75	115.0		64.57
15	264	18.45	105.9		66.10
16	275	23.42	129.2		67.08
17	292	15.76	81.9		68.61
18	297	16.20	82.6		69.12
19	304	19.28	96.0		69.73
20	323	20.48	96.1		71.21
21	336	24.91	112.3		72.28
22	343	19.11	84.4		72.84
23	372	19.03	77.6		75.12
24	414	33.04	121.0		78.19
25	431	20.88	73.5		79.16



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r\2100 expert\data\2018-02-28\2018-02-28\2018-02-28\_001.xad

Created: 2/28/2018 2:48:39 PM  
 Modified: 2/28/2018 3:25:42 PM

**Electropherogram Summary Continued ...**

**... Peak table for sample 4 : sample 4**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	451	29.83	100.2		80.32
27	470	19.90	64.1		81.44
28	487	25.00	77.7		82.42
29	504	19.08	57.4		83.35
30	541	34.45	96.5		85.07
31	605	17.44	43.7		87.99
32	625	35.42	85.8		88.64
33	681	20.34	45.3		90.41
34	699	17.98	38.9		91.01
35	745	21.14	43.0		91.67
36	814	17.54	32.6		92.64
37	926	34.06	55.7		94.22
38	1,102	10.34	14.2		95.90
39	1,176	11.29	14.5		96.36
40	1,393	12.62	13.7		97.71
41	1,775	17.23	14.7		100.08
42	2,329	5.64	3.7		102.54
43	2,616	6.11	3.5		103.47
44	2,816	6.03	3.2		104.12
45	10,380	75.00	10.9	Upper Marker	113.00

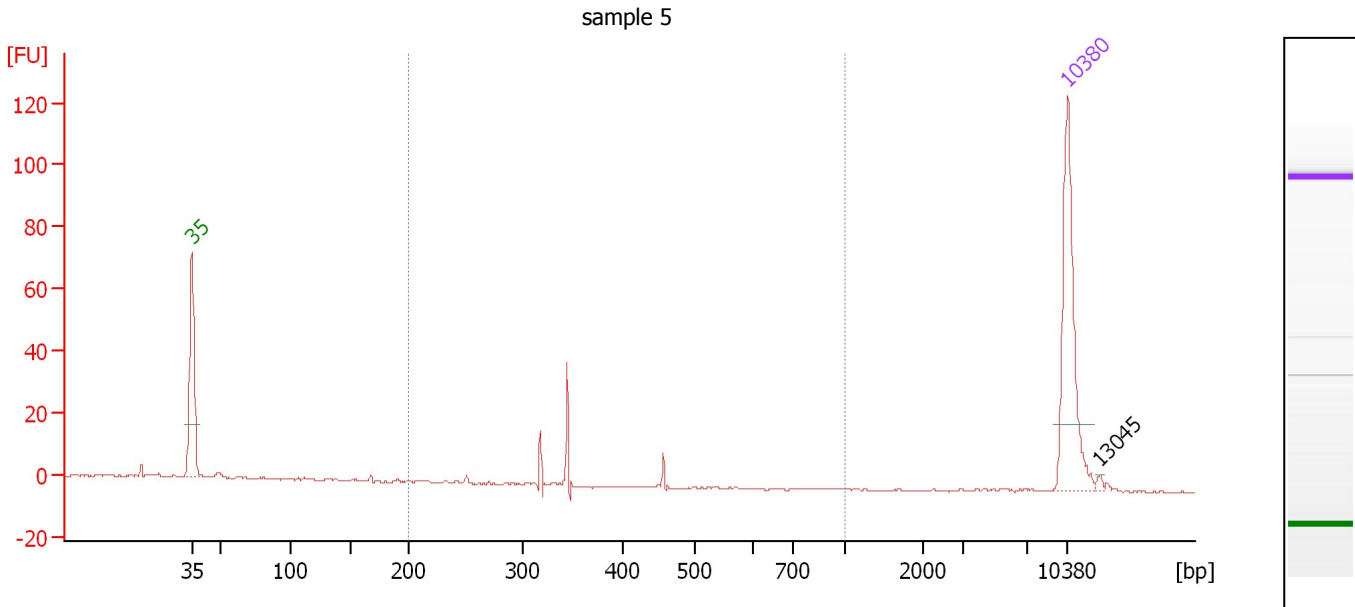
**Region table for sample 4 : sample 4**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
148	4,071	658	818.0	1,165.50	4,796.0	61	83.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...r\2100 expert\data\2018-02-28\2018-02-28\2018-02-28\_001.xad

Created: 2/28/2018 2:48:39 PM  
 Modified: 2/28/2018 3:25:42 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : sample 5**

Number of peaks found: 1                      Corr. Area 1: 18.0  
 Noise: 0.3

**Peak table for sample 5 : sample 5**

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	10,380	75.00	10.9	Upper Marker	113.00
3	13,045	0.00	0.0		115.59

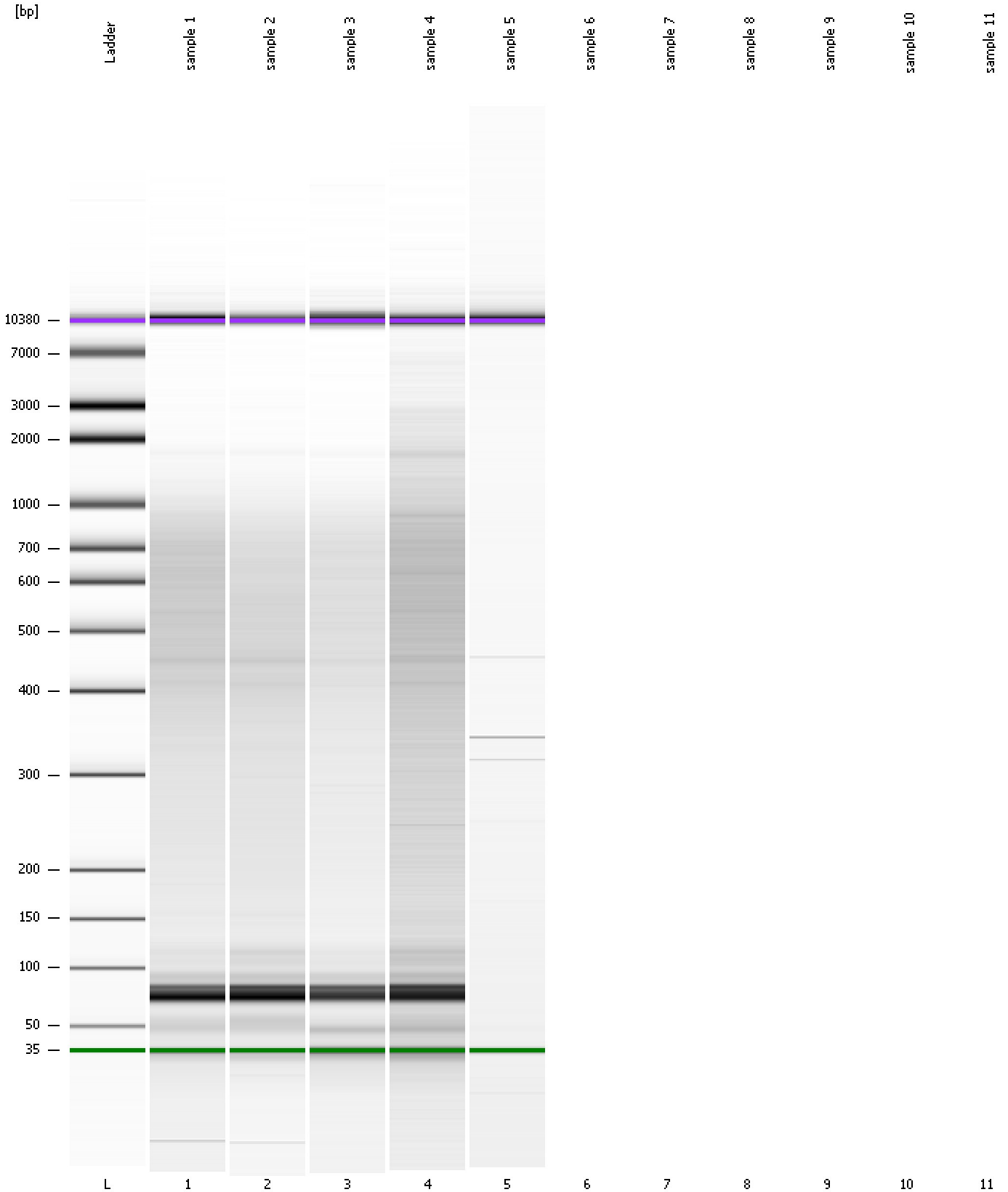
**Region table for sample 5 : sample 5**

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	352	18.0	17.90	78.9	45	13.6

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...r\2100 expert\data\2018-02-28\2018-02-28\2018-02-28\_001.xad

Created: 2/28/2018 2:48:39 PM  
Modified: 2/28/2018 3:25:42 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...r\2100 expert\data\2018-02-28\2018-02-28\2018-02-28\_001.xad

Created: 2/28/2018 2:48:39 PM  
Modified: 2/28/2018 3:25:42 PM

**Invalid Samples**

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.