

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...00 expert\data\2017-06-28\2017-06-28_001_HiSeq1022_Soni.xad

Created: 6/28/2017 8:09:12 AM
Modified: 6/28/2017 3:10:19 PM

Electrophoresis File Run Summary

Instrument Information:

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

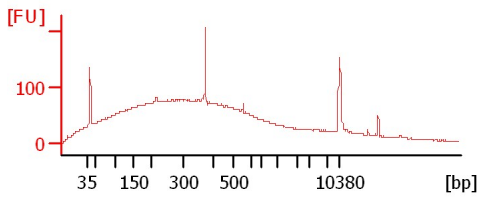
Assay Information:

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

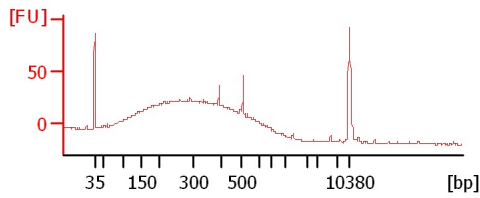
Chip Information:

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

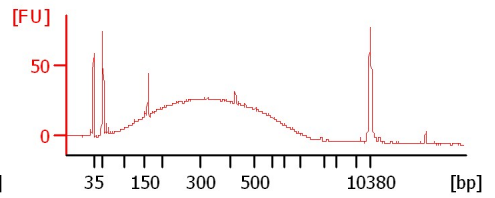
22 soni 75sec



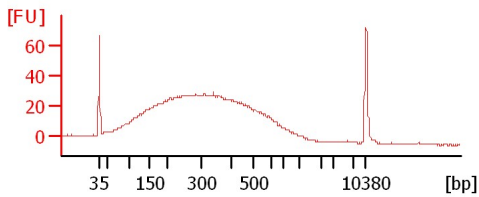
35 soni 75sec



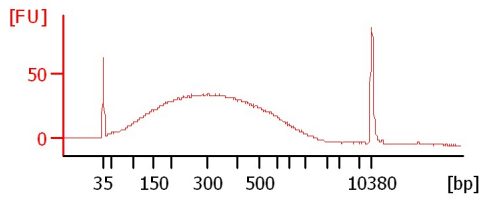
39 soni 75sec



51 soni 75sec



65 soni 75sec



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
22 soni 75sec		<input type="checkbox"/>	✓			
35 soni 75sec		<input type="checkbox"/>	✓			
39 soni 75sec		<input type="checkbox"/>	✓			
51 soni 75sec		<input type="checkbox"/>	✓			
65 soni 75sec		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

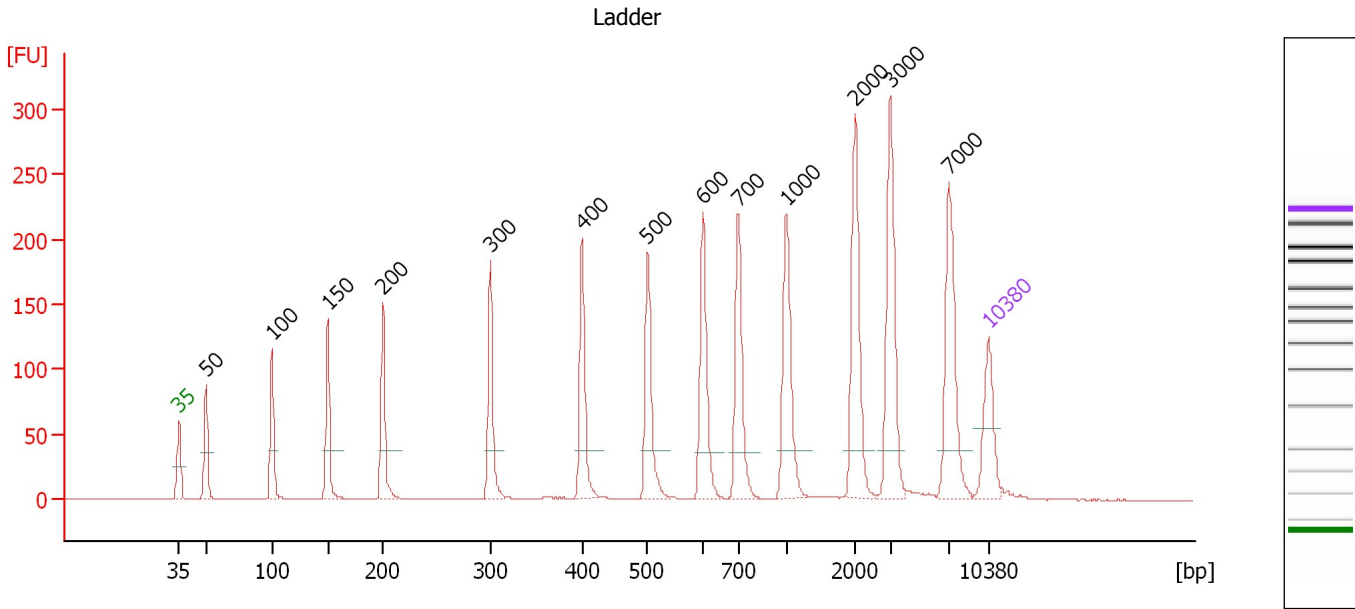
Reagent Kit Lot #

Chip Comments :

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

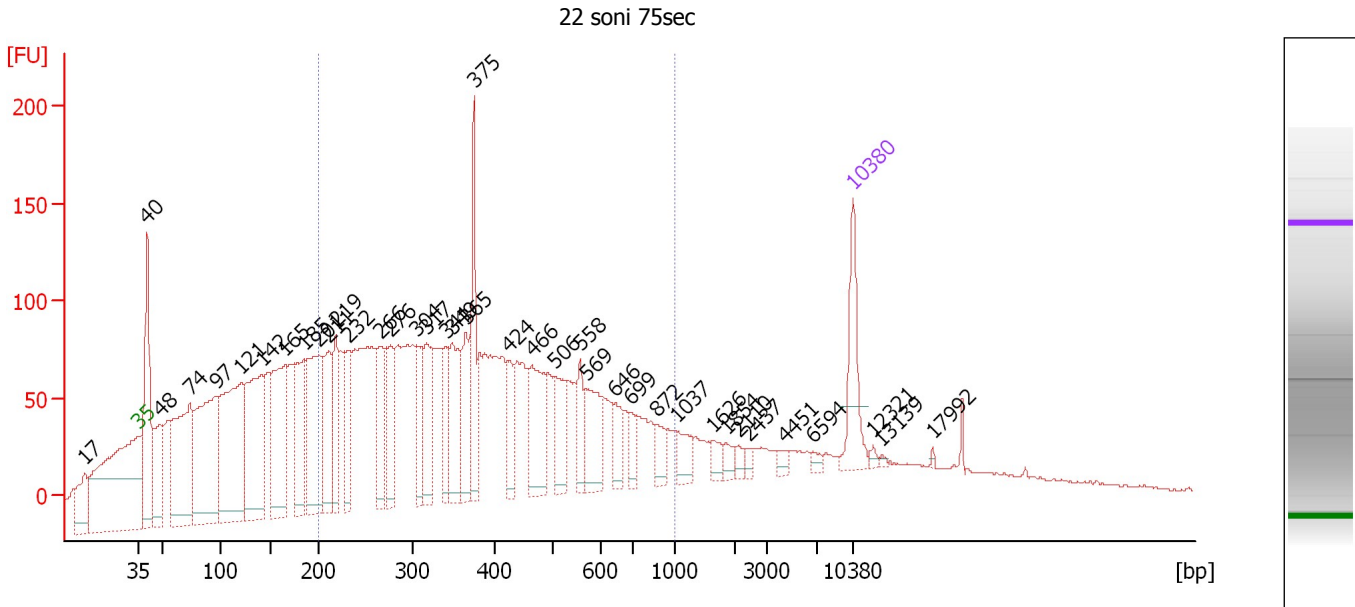
Peak table for Ladder

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	45.35
3	100	150.00	2,272.7	Ladder Peak	51.02
4	150	150.00	1,515.2	Ladder Peak	55.86
5	200	150.00	1,136.4	Ladder Peak	60.60
6	300	150.00	757.6	Ladder Peak	69.91
7	400	150.00	568.2	Ladder Peak	77.84
8	500	150.00	454.5	Ladder Peak	83.51
9	600	150.00	378.8	Ladder Peak	88.30
10	700	150.00	324.7	Ladder Peak	91.34
11	1,000	150.00	227.3	Ladder Peak	95.49
12	2,000	150.00	113.6	Ladder Peak	101.43
13	3,000	150.00	75.8	Ladder Peak	104.47
14	7,000	150.00	32.5	Ladder Peak	109.54
15	10,380	75.00	10.9	Upper Marker	113.00

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Electropherogram Summary Continued ...



Overall Results for sample 7 : 22 soni 75sec

Number of peaks found: 39 Corr. Area 1: 2,984.1
 Noise: 0.6

Peak table for sample 7 : 22 soni 75sec

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	17	0.00	0.0		37.72
2	35	125.00	5,411.3	Lower Marker	43.00
3	40	316.09	11,873.9		43.84
4	48	155.13	4,862.6		45.09
5	74	360.26	7,426.0		48.01
6	97	396.07	6,186.2		50.68
7	121	421.08	5,258.7		53.08
8	142	315.74	3,372.8		55.07
9	165	257.78	2,362.2		57.31
10	185	173.91	1,423.1		59.19
11	201	250.10	1,889.3		60.66
12	211	135.12	969.2		61.65
13	219	114.05	790.7		62.33
14	232	105.76	690.7		63.58
15	266	97.64	556.9		66.72
16	276	88.06	482.8		67.71
17	304	81.36	405.7		70.22
18	317	96.73	462.3		71.26
19	341	72.94	324.3		73.14
20	349	114.93	499.4		73.77
21	365	98.35	408.1		75.07
22	375	120.29	486.0		75.86
23	424	54.45	194.6		79.20
24	466	135.10	439.7		81.55
25	506	86.34	258.5		83.80

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Electropherogram Summary Continued ...

... Peak table for sample 7 : 22 soni 75sec

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	558	43.60	118.3		86.31
27	569	86.34	229.8		86.83
28	646	37.46	87.9		89.70
29	699	24.60	53.3		91.32
30	872	28.57	49.6		93.72
31	1,037	34.46	50.3		95.71
32	1,626	16.80	15.7		99.21
33	1,854	13.85	11.3		100.57
34	2,110	9.59	6.9		101.77
35	2,437	7.42	4.6		102.76
36	4,451	8.16	2.8		106.31
37	6,594	7.59	1.7		109.03
38	10,380	75.00	10.9	Upper Marker	113.00
39	12,321	0.00	0.0		114.99
40	13,139	0.00	0.0		115.82
41	17,992	0.00	0.0		120.78

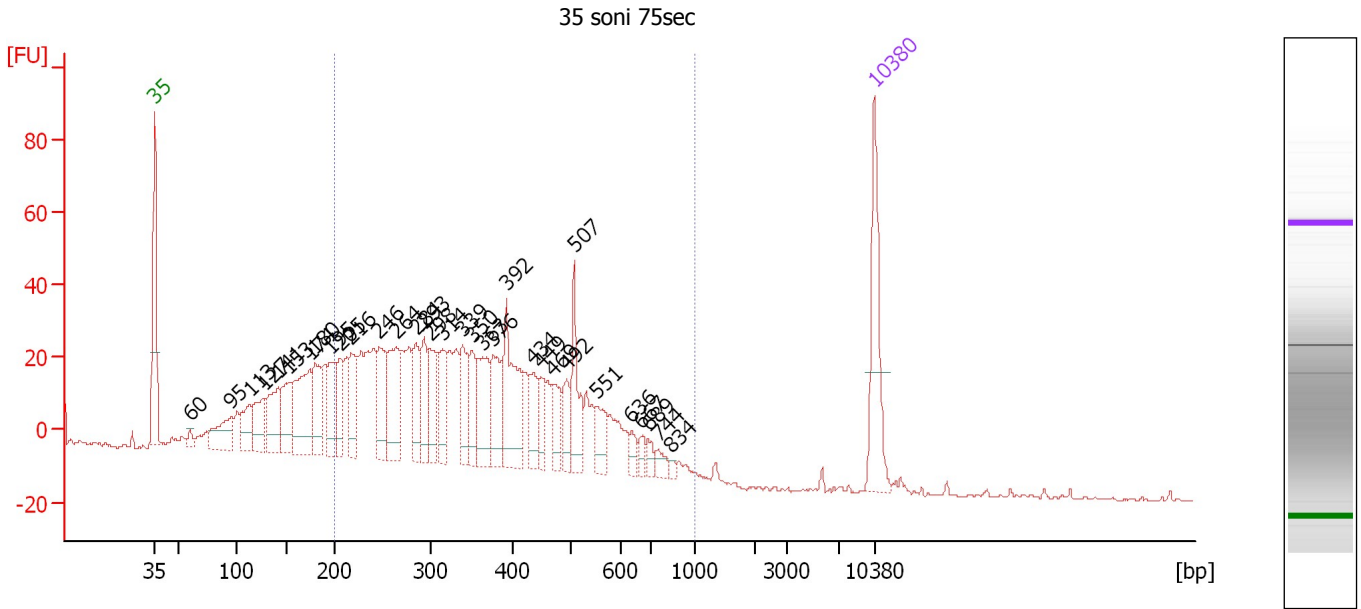
Region table for sample 7 : 22 soni 75sec

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	409	2,984.1	12,863.2	2,834.25	56	41.0

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Electropherogram Summary Continued ...



Overall Results for sample 8 : 35 soni 75sec

Number of peaks found: 33 Corr. Area 1: 1,112.4
 Noise: 0.5

Peak table for sample 8 : 35 soni 75sec

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	60	10.00	253.0		46.47
3	95	61.29	980.9		50.41
4	113	44.32	594.0		52.28
5	127	60.67	723.9		53.63
6	141	72.01	771.3		55.03
7	153	61.76	612.6		56.12
8	174	119.82	1,046.4		58.09
9	180	65.19	550.2		58.66
10	195	61.25	476.4		60.11
11	205	46.84	346.7		61.04
12	216	59.40	415.8		62.13
13	246	62.78	386.7		64.88
14	264	88.93	510.8		66.54
15	284	49.25	262.4		68.46
16	293	49.40	255.7		69.24
17	298	53.30	270.7		69.76
18	314	44.88	216.3		71.05
19	339	51.96	232.5		72.97
20	350	43.53	188.2		73.90
21	363	62.69	261.4		74.94
22	376	64.07	258.3		75.93
23	392	97.94	378.3		77.22
24	434	36.53	127.5		79.76
25	449	26.76	90.2		80.64

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Electropherogram Summary Continued ...

... Peak table for sample 8 : 35 soni 75sec

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	469	33.89	109.6		81.73
27	492	30.47	93.7		83.08
28	507	58.01	173.2		83.86
29	551	29.56	81.3		85.93
30	636	11.49	27.4		89.41
31	667	10.12	23.0		90.34
32	689	9.88	21.7		91.01
33	744	11.22	22.8		91.95
34	834	3.91	7.1		93.19
35	▶ 10,380	75.00	10.9	Upper Marker	113.00

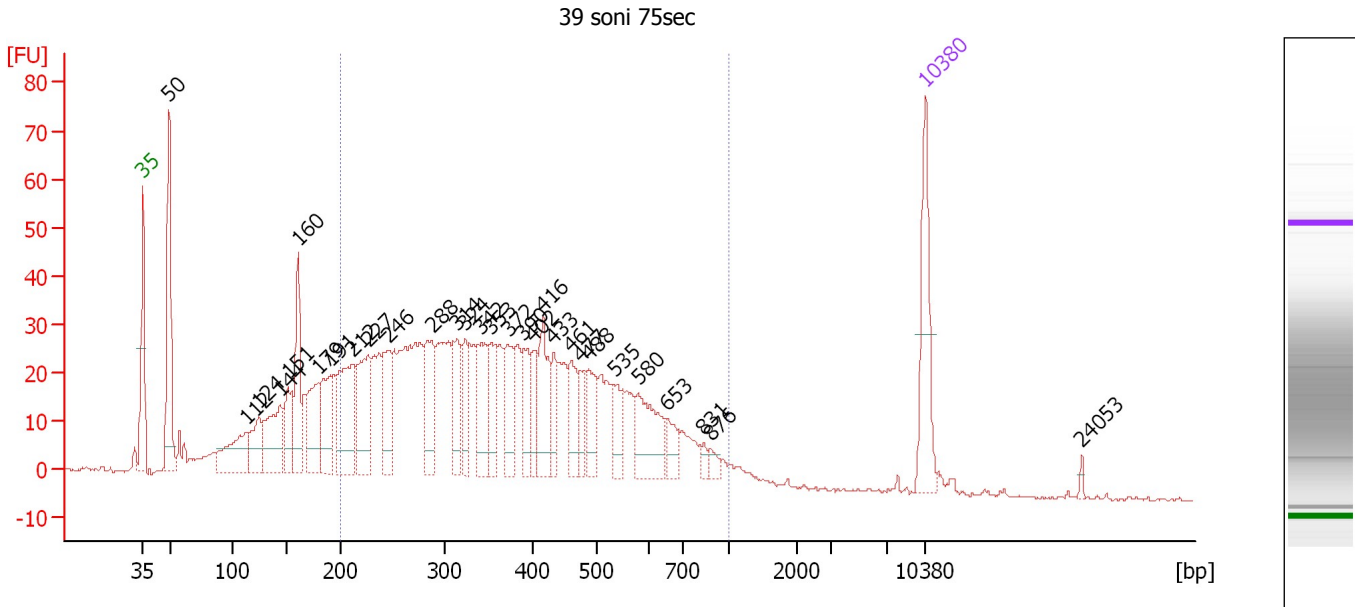
Region table for sample 8 : 35 soni 75sec

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	376	1,112.4	7,133.8	■ 1,517.84	73	35.2

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Electropherogram Summary Continued ...



Overall Results for sample 9 : **39 soni 75sec**

Number of peaks found: 30 Corr. Area 1: 1,124.9
Noise: 0.3

Peak table for sample 9 : **39 soni 75sec**

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	186.88	5,706.6		45.29
3	112	87.30	1,183.0		52.16
4	124	56.65	694.1		53.31
5	144	97.66	1,028.6		55.26
6	151	55.28	555.5		55.93
7	160	102.58	969.4		56.84
8	179	82.67	698.1		58.65
9	191	84.19	667.9		59.75
10	212	136.37	973.1		61.75
11	227	106.32	709.0		63.14
12	246	76.55	471.2		64.90
13	288	81.85	430.3		68.81
14	314	58.94	284.0		71.06
15	324	46.50	217.4		71.82
16	342	71.16	315.1		73.25
17	353	49.78	213.7		74.11
18	372	59.09	240.5		75.64
19	390	46.41	180.5		77.02
20	402	36.55	137.9		77.93
21	416	72.85	265.4		78.74
22	433	33.78	118.3		79.69
23	461	42.98	141.1		81.32
24	477	29.38	93.4		82.18
25	488	45.88	142.4		82.84

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Electropherogram Summary Continued ...

... Peak table for sample 9 : 39 soni 75sec

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	535	37.64	106.6		85.18
27	580	72.03	188.3		87.33
28	653	23.50	54.6		89.91
29	831	7.17	13.1		93.15
30	876	9.20	15.9		93.77
31	10,380	75.00	10.9	Upper Marker	113.00
32	24,053	0.00	0.0		126.98

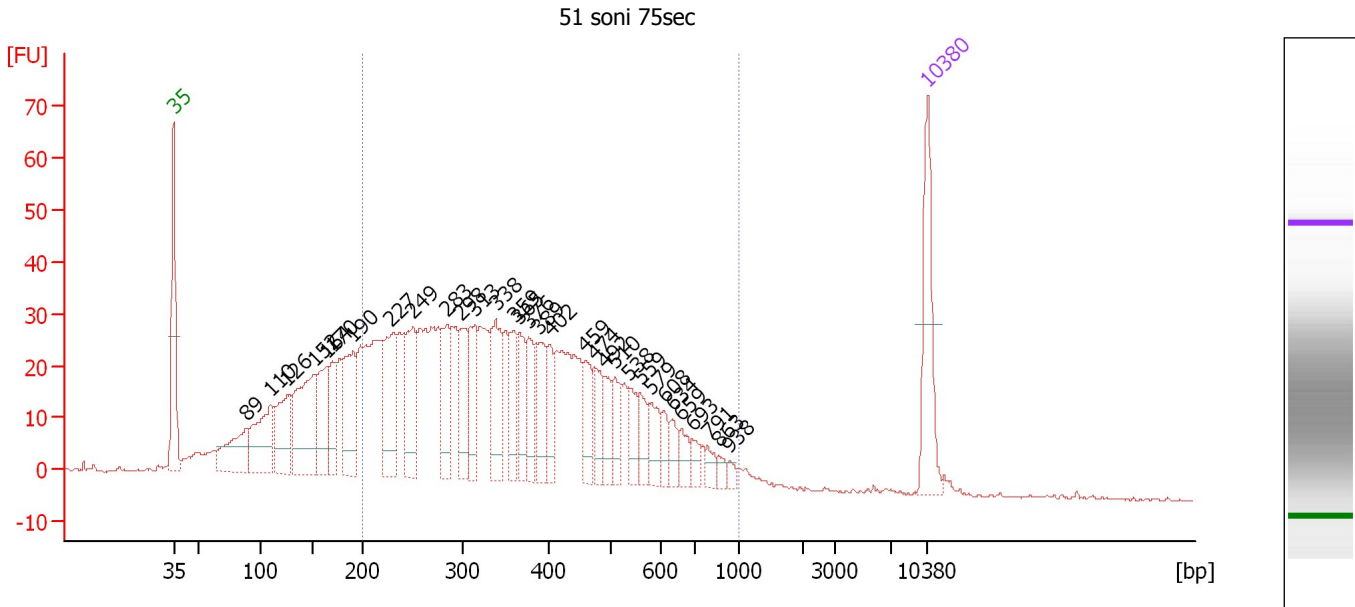
Region table for sample 9 : 39 soni 75sec

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	397	1,124.9	9,123.4	1,998.92	71	38.0

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Electropherogram Summary Continued ...



Overall Results for sample 10 : 51 soni 75sec

Number of peaks found: 32 Corr. Area 1: 1,049.3
 Noise: 0.2

Peak table for sample 10 : 51 soni 75sec

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	90.97	1,547.1		49.78
3	110	111.15	1,527.6		52.01
4	126	86.61	1,040.7		53.54
5	152	166.54	1,663.2		56.02
6	164	82.73	763.2		57.21
7	170	53.70	478.7		57.75
8	190	99.14	789.3		59.68
9	227	108.81	725.2		63.15
10	249	98.73	600.4		65.18
11	283	69.29	370.8		68.35
12	298	62.49	317.7		69.73
13	313	64.85	314.2		70.92
14	338	86.25	387.0		72.90
15	359	56.74	239.5		74.58
16	365	44.90	186.3		75.08
17	376	45.72	184.0		75.97
18	389	58.13	226.5		76.96
19	402	35.79	134.9		77.95
20	459	42.07	138.9		81.17
21	474	37.17	118.7		82.06
22	492	32.40	99.8		83.05
23	510	31.02	92.1		83.99
24	538	28.50	80.3		85.33
25	559	27.20	73.8		86.32

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Electropherogram Summary Continued ...

... Peak table for sample 10 : 51 soni 75sec

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	579	30.50	79.8		87.31
27	608	17.39	43.3		88.54
28	634	17.45	41.7		89.34
29	659	17.94	41.3		90.08
30	693	12.01	26.3		91.12
31	791	11.79	22.6		92.60
32	863	7.60	13.3		93.59
33	938	6.62	10.7		94.63
34	10,380	75.00	10.9	Upper Marker	113.00

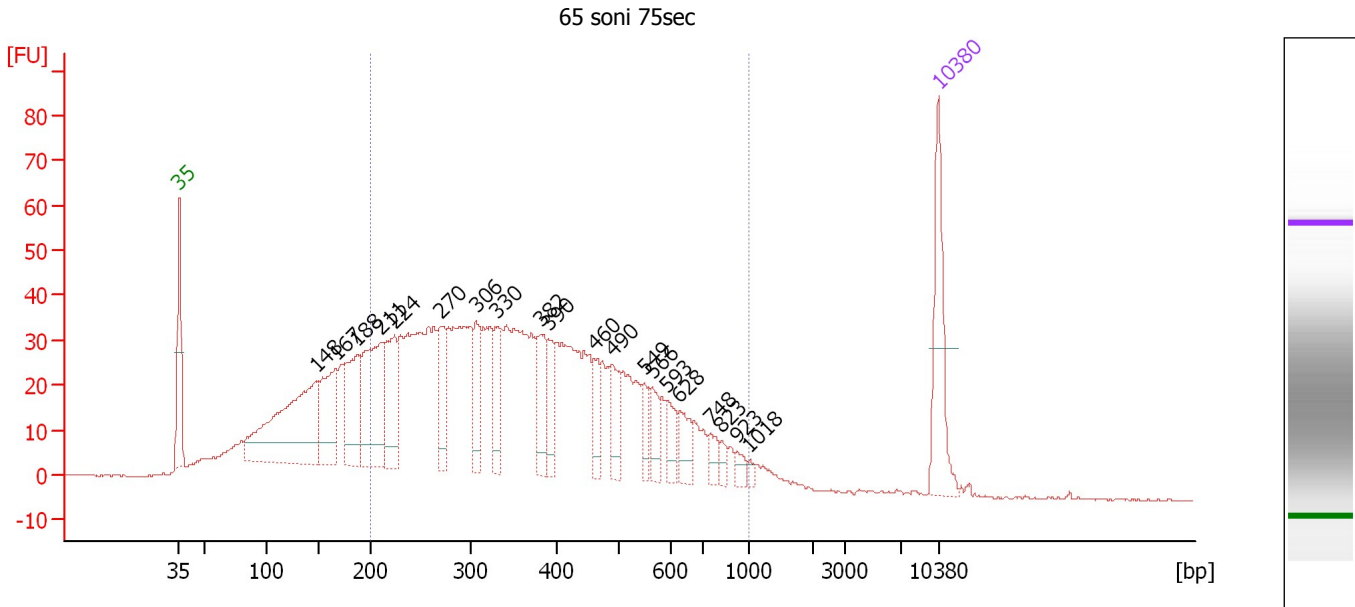
Region table for sample 10 : 51 soni 75sec

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
200	1,000	383	1,049.3	8,750.8	1,871.56	71	37.5

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Electropherogram Summary Continued ...



Overall Results for sample 11 : 65 soni 75sec

Number of peaks found: 20 Corr. Area 1: 1,289.0
 Noise: 0.2

Peak table for sample 11 : 65 soni 75sec

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	148	279.28	2,865.2		55.63
3	167	109.83	994.5		57.50
4	188	104.27	842.6		59.42
5	211	156.27	1,122.0		61.63
6	224	93.21	629.8		62.86
7	270	65.57	368.4		67.09
8	306	58.02	287.4		70.38
9	330	51.06	234.4		72.30
10	382	63.37	251.2		76.43
11	390	38.62	149.9		77.07
12	460	31.61	104.1		81.24
13	490	41.41	127.9		82.96
14	549	23.04	63.6		85.87
15	566	28.62	76.7		86.65
16	593	27.19	69.4		87.98
17	628	27.91	67.3		89.16
18	748	15.77	31.9		92.01
19	823	9.36	17.2		93.04
20	923	10.51	17.3		94.42
21	1,018	4.37	6.5		95.60
22	10,380	75.00	10.9	Upper Marker	113.00

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Electropherogram Summary Continued ...

... Region table for sample 11 : 65 soni 75sec

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	393	1,289.0	8,941.8	1,937.79	72	38.8

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