

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-28\2017-06-28_003.xad

Created: 6/28/2017 1:07:18 PM
Modified: 6/28/2017 1:48:38 PM

Electrophoresis File Run Summary

Instrument Information:

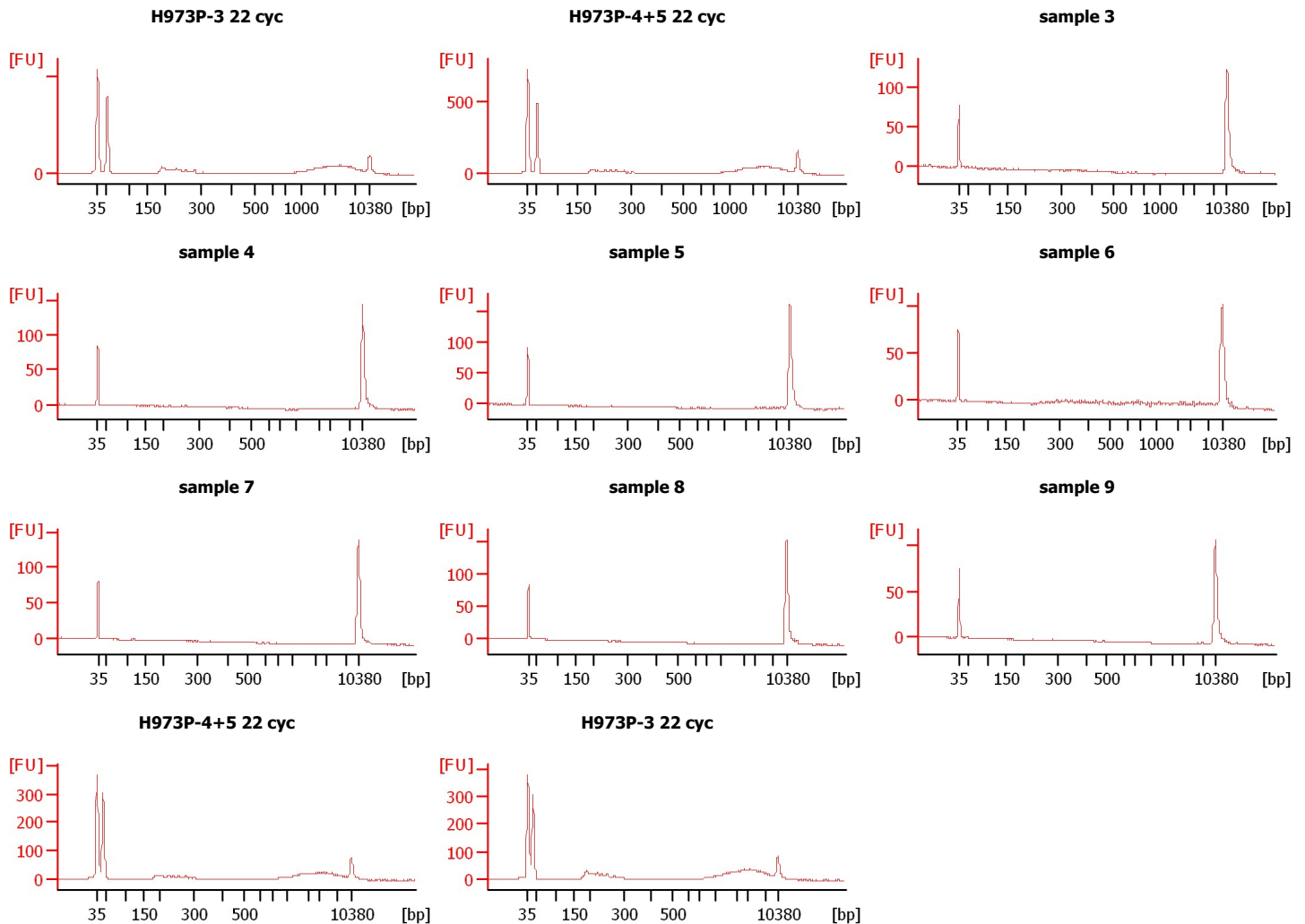
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
H973P-3 22 cyc		<input type="checkbox"/>	✓			
H973P-4+5 22 cyc		<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"/>	✓			
H973P-4+5 22 cyc		<input type="checkbox"/>	✓			
H973P-3 22 cyc		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

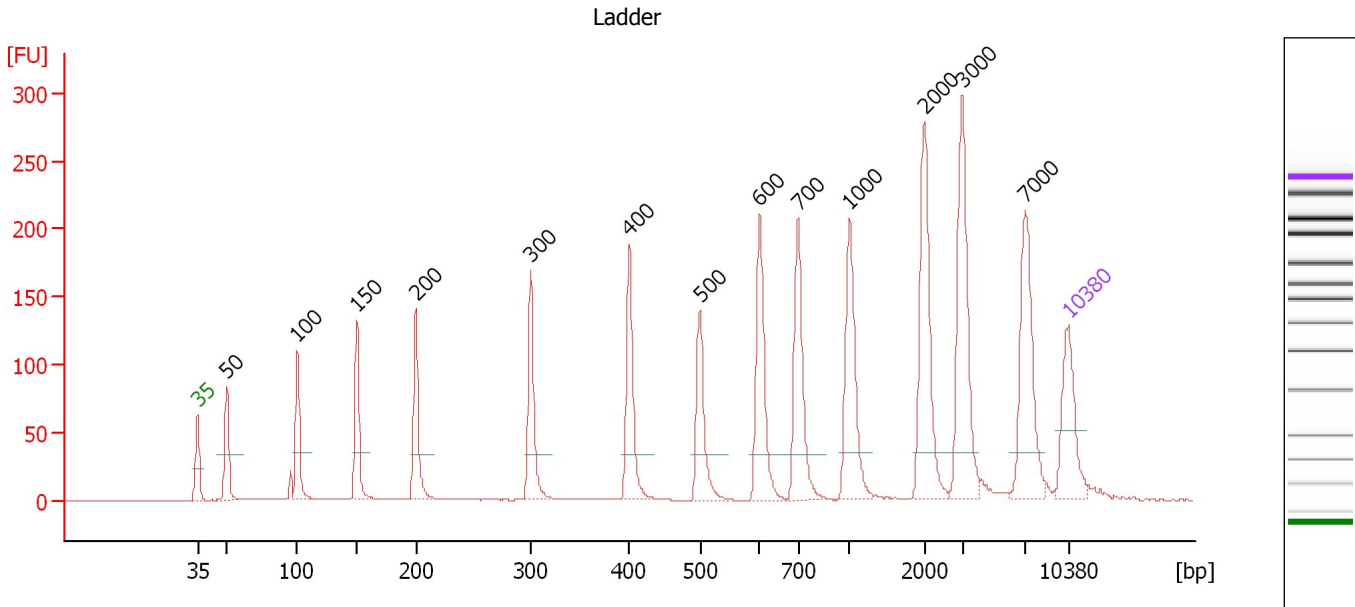
Chip Lot # **Reagent Kit Lot #**

Chip Comments :

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

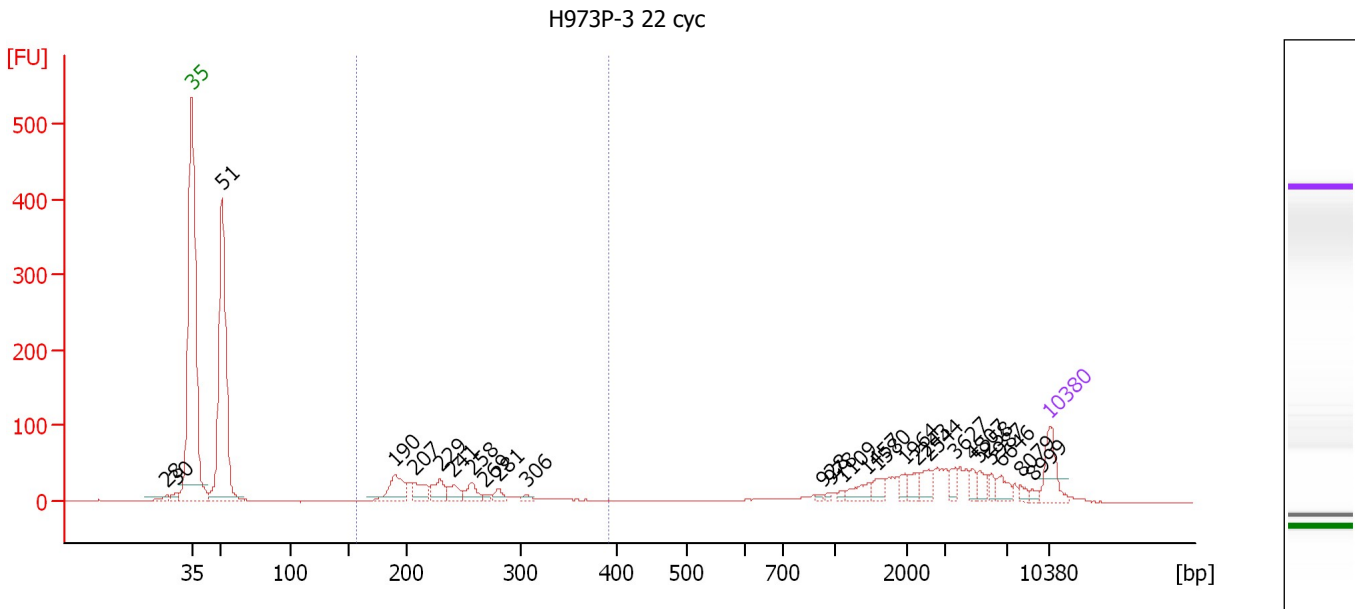
Peak table for Ladder

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	45.36
3	100	150.00	2,272.7	Ladder Peak	51.02
4	150	150.00	1,515.2	Ladder Peak	55.82
5	200	150.00	1,136.4	Ladder Peak	60.53
6	300	150.00	757.6	Ladder Peak	69.79
7	400	150.00	568.2	Ladder Peak	77.72
8	500	150.00	454.5	Ladder Peak	83.38
9	600	150.00	378.8	Ladder Peak	88.18
10	700	150.00	324.7	Ladder Peak	91.27
11	1,000	150.00	227.3	Ladder Peak	95.42
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	109.49
15	10,380	75.00	10.9	Upper Marker	113.00

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Electropherogram Summary Continued ...



Overall Results for sample 1 : H973P-3 22 cyc

Number of peaks found: 26 Corr. Area 1: 374.4
 Noise: 0.4

Peak table for sample 1 : H973P-3 22 cyc

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	28	0.00	0.0		40.91
2	30	0.00	0.0		41.69
3	35	125.00	5,411.3	Lower Marker	43.00
4	51	1,084.24	32,161.2		45.48
5	190	134.95	1,074.4		59.62
6	207	65.11	476.5		61.19
7	229	75.58	499.8		63.23
8	241	50.47	316.8		64.36
9	258	53.77	316.0		65.88
10	269	12.24	68.9		66.93
11	281	26.93	145.3		68.02
12	306	11.53	57.1		70.28
13	928	5.90	9.6		94.42
14	978	5.98	9.3		95.12
15	1,109	9.45	12.9		96.08
16	1,457	34.67	36.1		98.16
17	1,580	29.80	28.6		98.90
18	1,964	22.81	17.6		101.21
19	2,243	24.91	16.8		102.17
20	2,544	34.42	20.5		103.08
21	3,627	22.87	9.6		105.26
22	4,807	20.30	6.4		106.74
23	5,258	27.84	8.0		107.30
24	5,987	15.60	3.9		108.21
25	6,646	30.01	6.8		109.04

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Electropherogram Summary Continued ...

... Peak table for sample 1 : H973P-3 22 cyc

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	8,079	12.29	2.3		110.61
27	8,999	9.51	1.6		111.56
28	10,380	75.00	10.9	Upper Marker	113.00

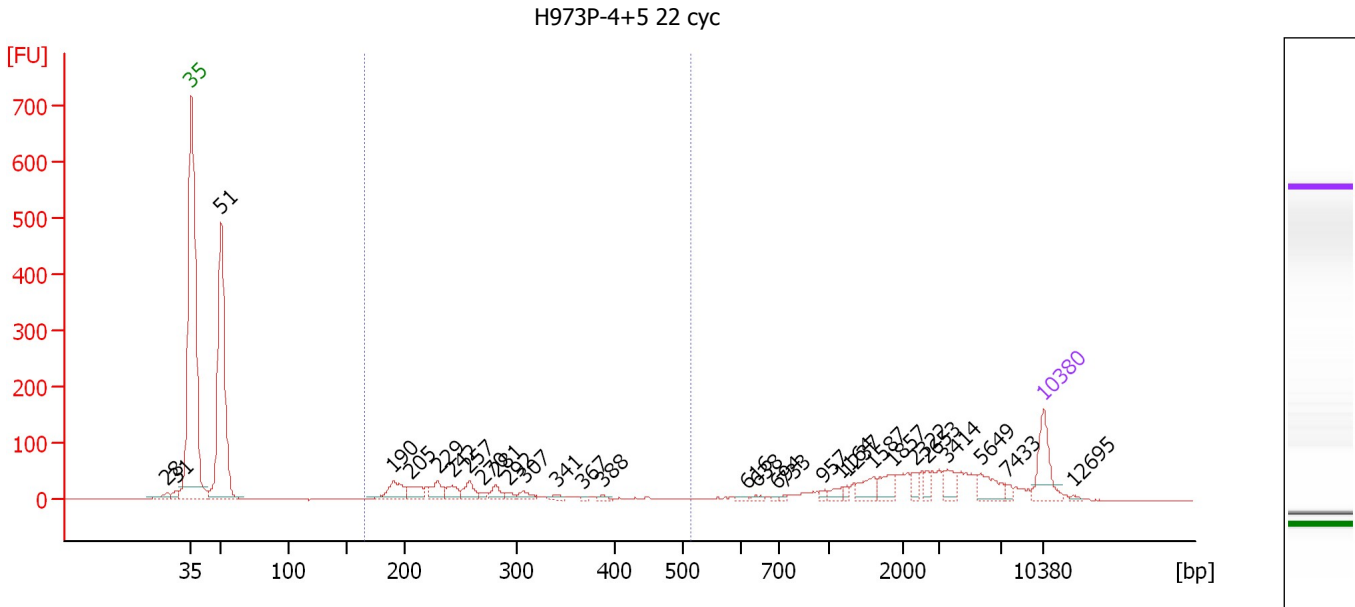
Region table for sample 1 : H973P-3 22 cyc

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/ μ l]	% of Total	Size distribution in CV [%]
157	390	238	374.4	3,257.4	492.87	22	18.6

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Electropherogram Summary Continued ...



Overall Results for sample 2 : H973P-4+5 22 cyc

Number of peaks found: 30 Corr. Area 1: 480.1
 Noise: 0.6

Peak table for sample 2 : H973P-4+5 22 cyc

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	28	0.00	0.0		40.99
2	31	0.00	0.0		41.73
3	35	125.00	5,411.3	Lower Marker	43.00
4	51	797.32	23,766.7		45.45
5	190	76.24	607.9		59.59
6	205	46.05	339.6		61.04
7	229	47.69	315.4		63.23
8	242	35.45	221.6		64.45
9	257	41.94	247.3		65.81
10	270	10.79	60.6		66.99
11	281	28.17	152.1		68.00
12	292	13.14	68.2		69.05
13	307	18.97	93.8		70.32
14	341	11.30	50.2		73.08
15	367	3.43	14.2		75.09
16	388	6.33	24.7		76.75
17	616	5.17	12.7		88.66
18	638	6.05	14.4		89.36
19	694	3.85	8.4		91.07
20	733	3.87	8.0		91.72
21	957	8.17	12.9		94.83
22	1,164	14.80	19.3		96.41
23	1,237	8.16	10.0		96.85
24	1,587	34.53	33.0		98.95
25	1,857	31.38	25.6		100.57

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Electropherogram Summary Continued ...

... Peak table for sample 2 : H973P-4+5 22 cyc

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	2,322	17.52	11.4		102.41
27	2,653	16.00	9.1		103.41
28	3,414	31.87	14.1		104.99
29	5,649	42.05	11.3		107.79
30	7,433	8.02	1.6		109.94
31	10,380	75.00	10.9	Upper Marker	113.00
32	12,695	0.00	0.0		115.41

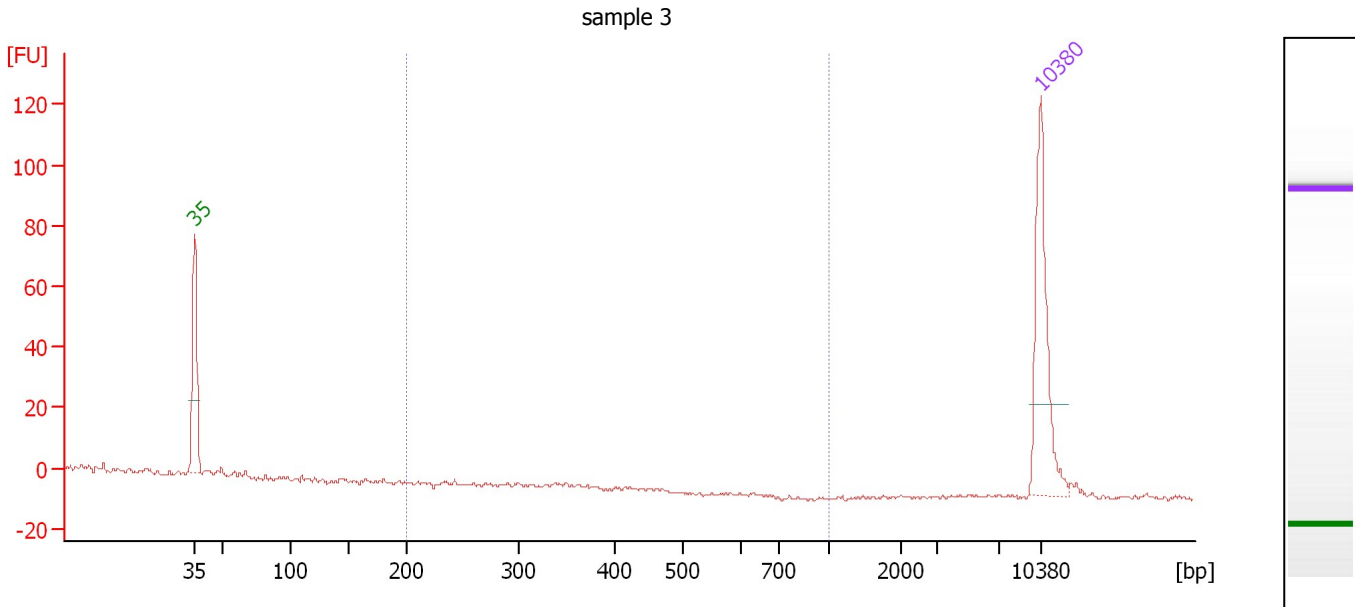
Region table for sample 2 : H973P-4+5 22 cyc

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
164	512	266	480.1	2,346.1	380.80	23	26.8

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Electropherogram Summary Continued ...



Overall Results for sample 3 : sample 3

Number of peaks found: 0 Corr. Area 1: 0.0
 Noise: 0.7

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	10,380	75.00	10.9	Upper Marker	113.00

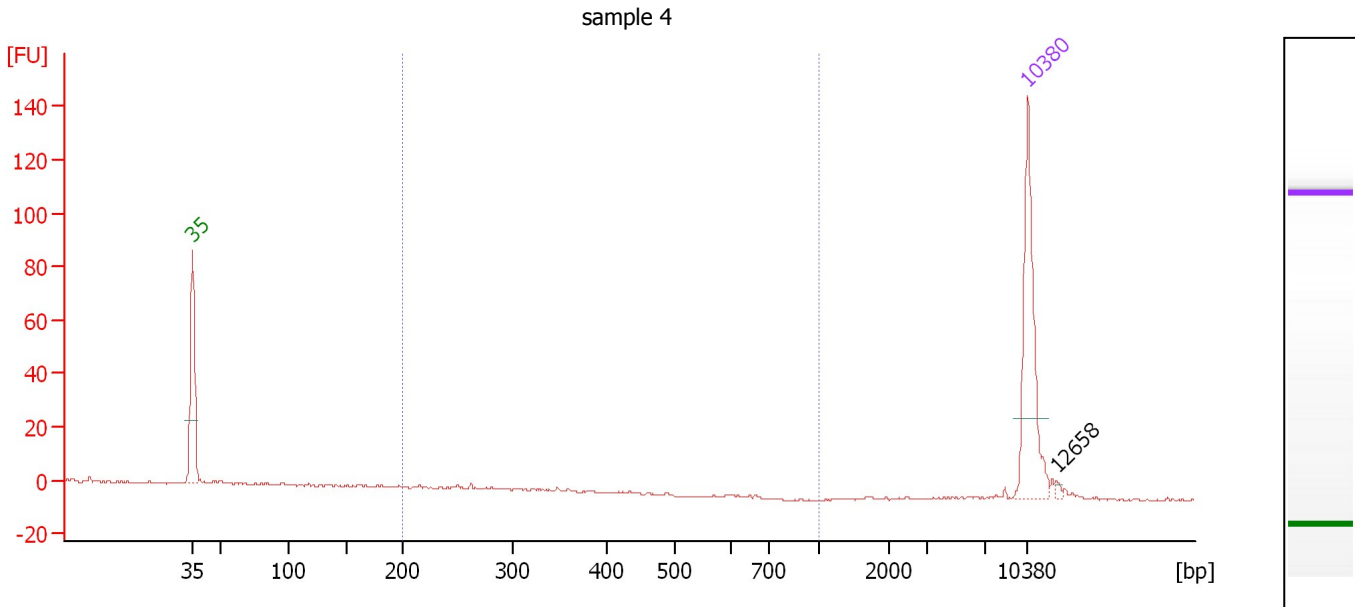
Region table for sample 3 : sample 3

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	0	0.0	0.0	0.00	0	0.0

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Electropherogram Summary Continued ...



Overall Results for sample 4 : sample 4

Number of peaks found: 1 Corr. Area 1: 1.4
 Noise: 0.4

Peak table for sample 4 : sample 4

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	12,658	0.00	0.0		115.37

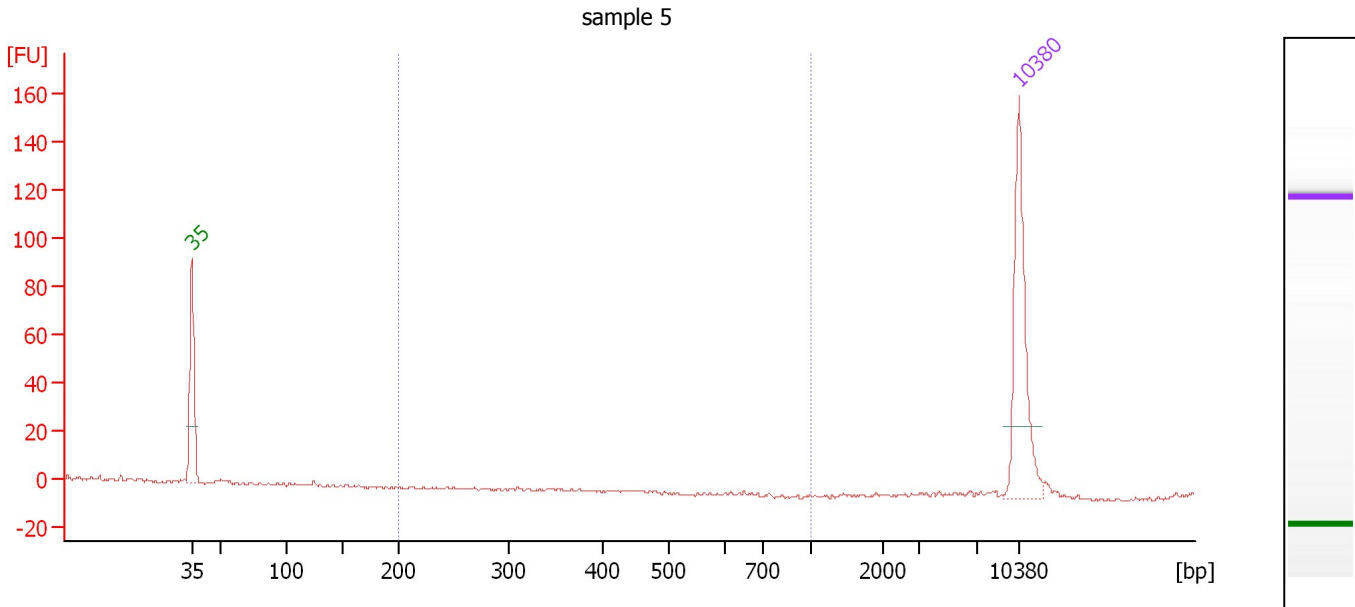
Region table for sample 4 : sample 4

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	271	1.4	7.7	1.33	9	15.3

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Electropherogram Summary Continued ...



Overall Results for sample 5 : sample 5

Number of peaks found: 0 Corr. Area 1: 0.0
 Noise: 0.5

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

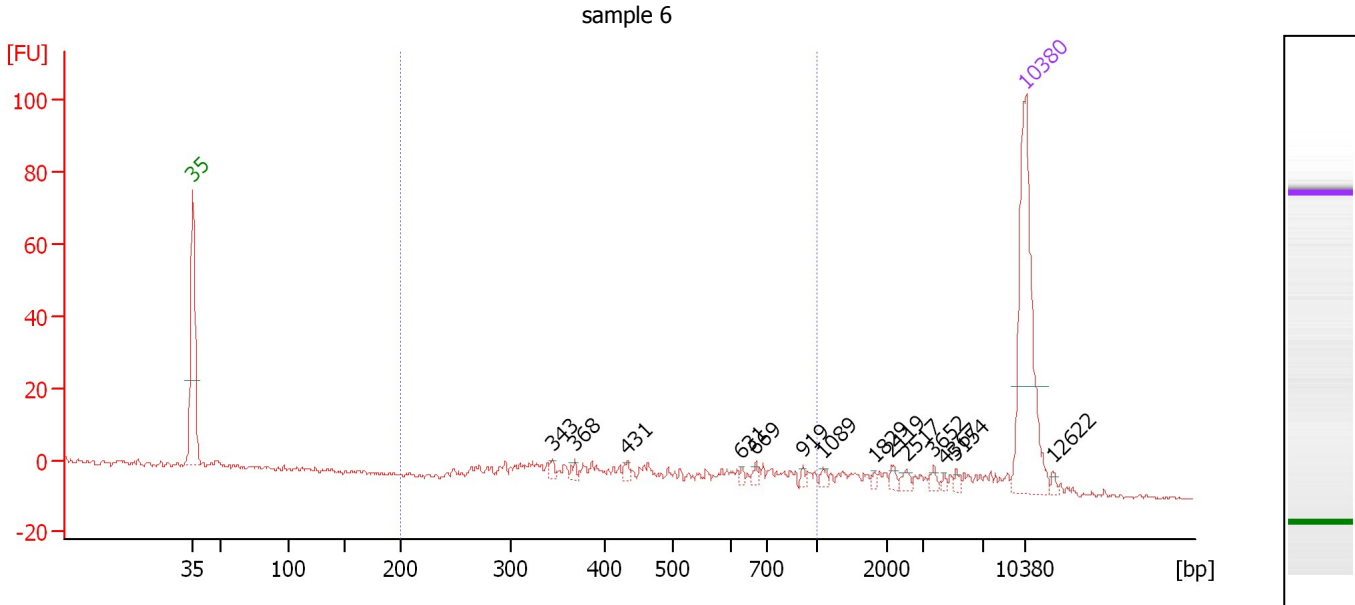
Region table for sample 5 : sample 5

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	0	0.0	0.0	0.00	0	0.0

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Electropherogram Summary Continued ...



Overall Results for sample 6 : sample 6

Number of peaks found: 14 Corr. Area 1: 113.0
 Noise: 0.4

Peak table for sample 6 : sample 6

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	343	3.08	13.6		73.22
3	368	3.30	13.6		75.15
4	431	3.64	12.8		79.50
5	631	1.96	4.7		89.14
6	669	3.14	7.1		90.31
7	919	1.71	2.8		94.30
8	1,089	2.74	3.8		95.96
9	1,829	1.54	1.3		100.40
10	2,119	2.51	1.8		101.79
11	2,517	2.80	1.7		103.00
12	3,652	2.64	1.1		105.29
13	4,367	1.32	0.5		106.18
14	5,154	1.83	0.5		107.17
15	10,380	75.00	10.9	Upper Marker	113.00
16	12,622	0.00	0.0		115.33

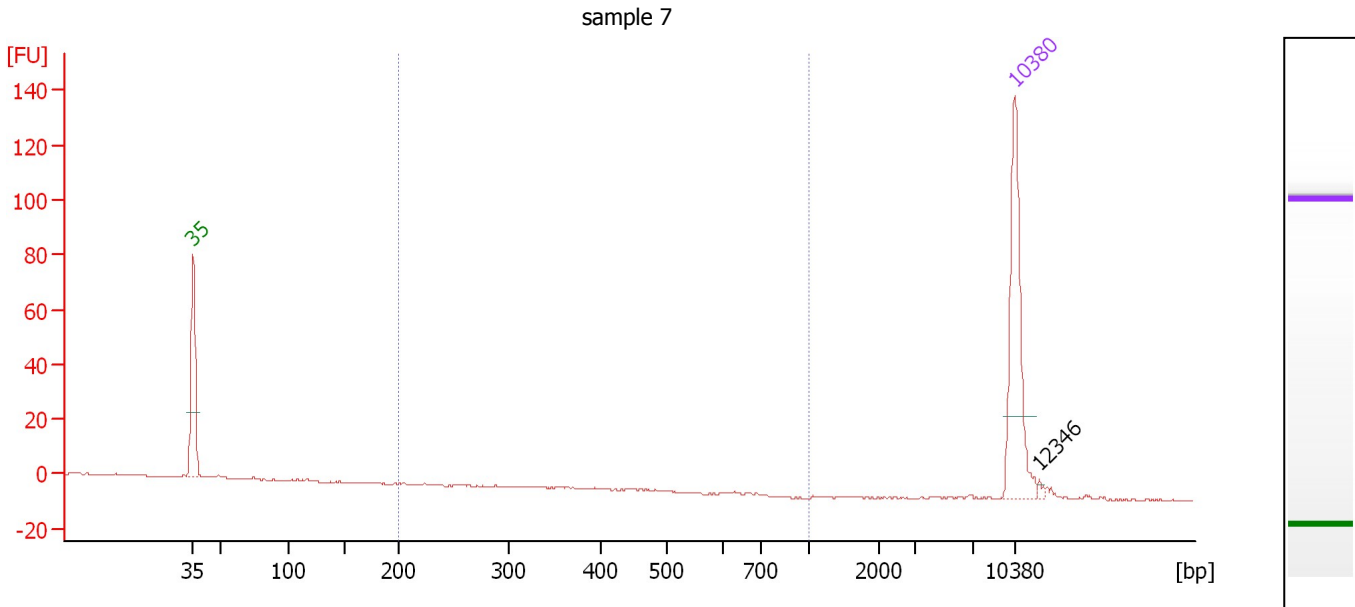
Region table for sample 6 : sample 6

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	508	113.0	339.6	94.15	54	38.0

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Electropherogram Summary Continued ...



Overall Results for sample 7 : sample 7

Number of peaks found: 1 Corr. Area 1: 0.0
 Noise: 0.2

Peak table for sample 7 : sample 7

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	12,346	0.00	0.0		115.04

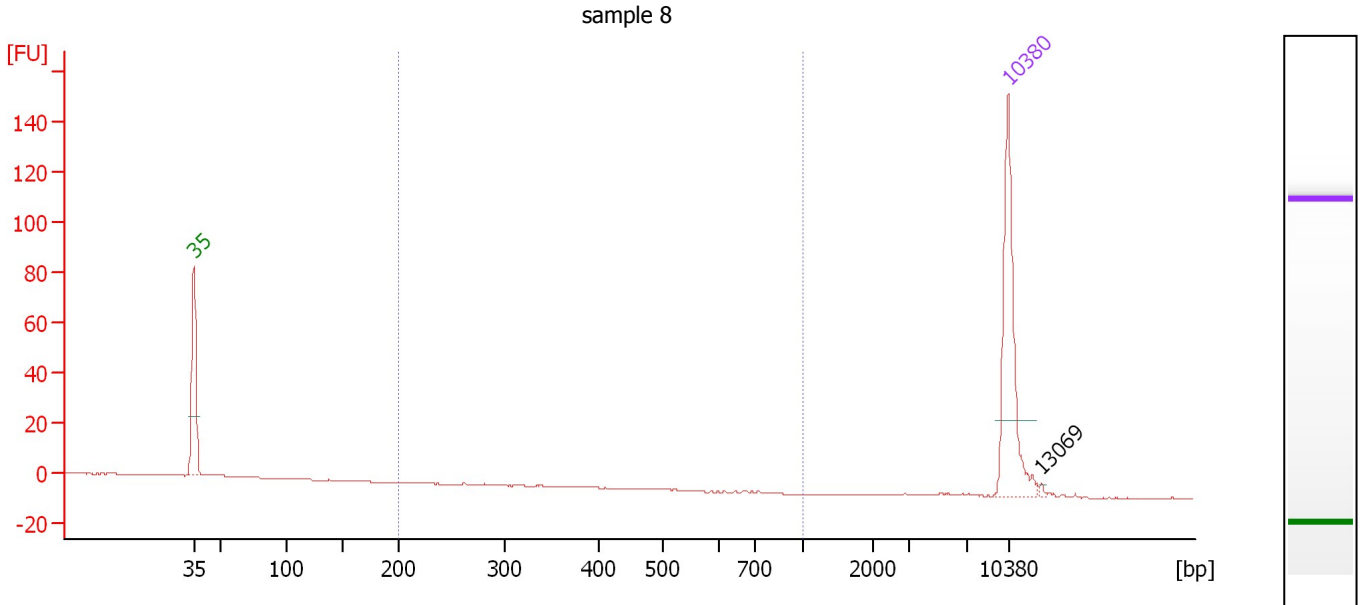
Region table for sample 7 : sample 7

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	0	0.0	0.0	0.00	0	0.0

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Electropherogram Summary Continued ...



Overall Results for sample 8 : sample 8

Number of peaks found: 1 Corr. Area 1: 0.0
 Noise: 0.1

Peak table for sample 8 : sample 8

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	13,069	0.00	0.0		115.80

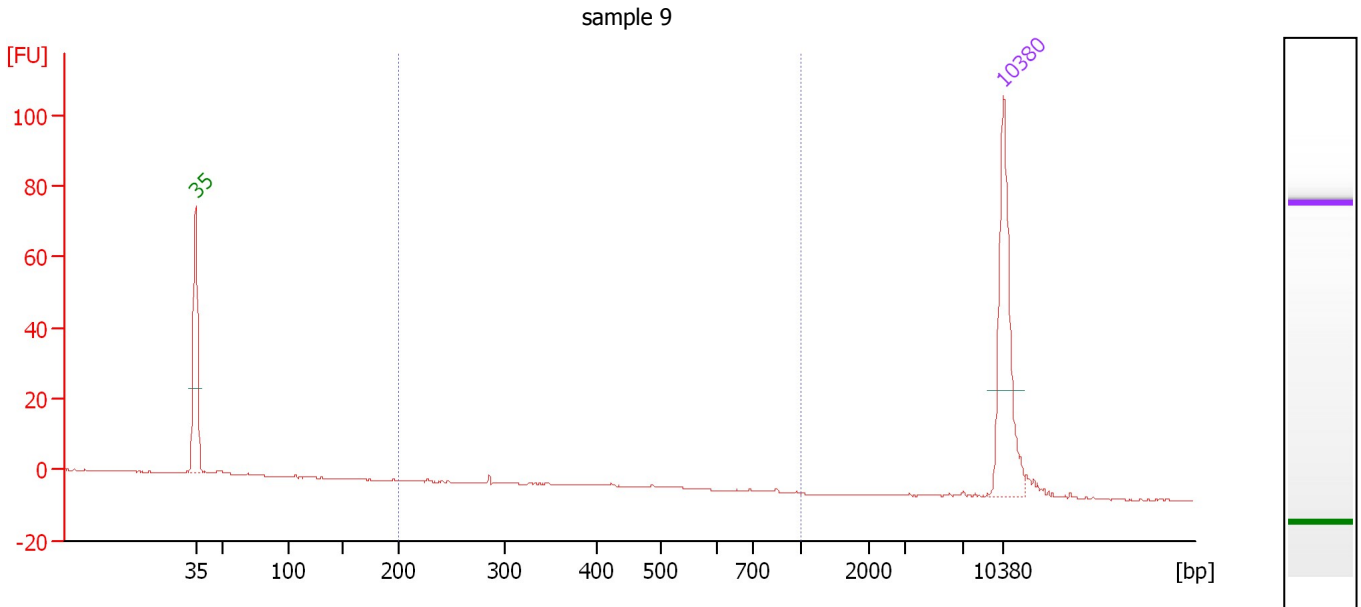
Region table for sample 8 : sample 8

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	0	0.0	0.0	0.00	0	0.0

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Electropherogram Summary Continued ...



Overall Results for sample 9 : sample 9

Number of peaks found: 0 Corr. Area 1: 0.5
 Noise: 0.2

Peak table for sample 9 : sample 9

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

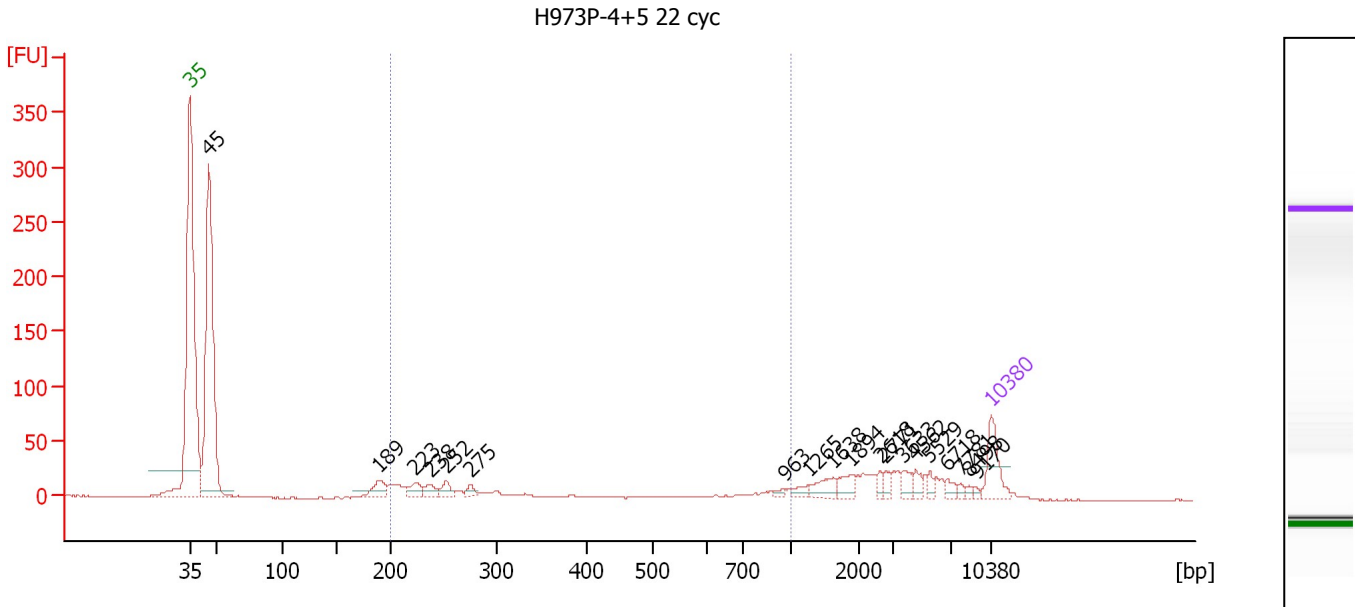
Region table for sample 9 : sample 9

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	321	0.5	2.9	0.57	5	37.4

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Electropherogram Summary Continued ...



Overall Results for sample 10 : H973P-4+5 22 cyc

Number of peaks found: 19 Corr. Area 1: 198.3
 Noise: 0.1

Peak table for sample 10 : H973P-4+5 22 cyc

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	1,079.08	36,029.8		44.63
3	189	64.57	517.5		59.50
4	223	42.87	291.2		62.67
5	238	30.50	194.5		64.02
6	252	32.67	196.3		65.37
7	275	17.75	97.7		67.51
8	963	8.59	13.5		94.92
9	1,265	16.57	19.9		97.01
10	1,638	38.46	35.6		99.25
11	1,894	32.58	26.1		100.79
12	2,618	13.96	8.1		103.31
13	2,771	14.17	7.7		103.77
14	3,633	24.98	10.4		105.26
15	4,562	19.68	6.5		106.43
16	5,529	13.85	3.8		107.64
17	6,718	15.72	3.5		109.13
18	7,781	8.36	1.6		110.30
19	8,498	7.30	1.3		111.04
20	9,170	5.49	0.9		111.74
21	10,380	75.00	10.9	Upper Marker	113.00

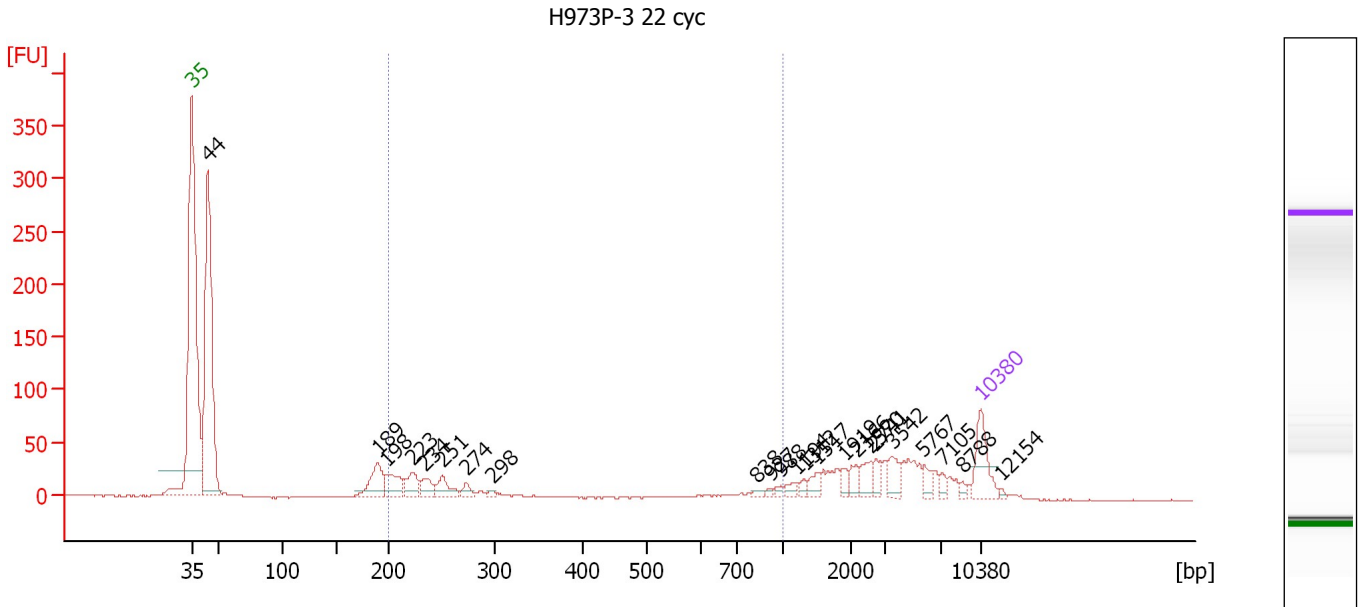
Region table for sample 10 : H973P-4+5 22 cyc

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	409	198.3	1,576.9	299.87	18	60.7

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Electropherogram Summary Continued ...



Overall Results for sample 11 : H973P-3 22 cyc

Number of peaks found: 23 Corr. Area 1: 249.1
 Noise: 0.5

Peak table for sample 11 : H973P-3 22 cyc

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	44	907.86	31,242.9		44.42
3	189	104.27	835.3		59.51
4	198	80.45	615.2		60.36
5	223	60.38	410.9		62.63
6	234	42.96	278.3		63.67
7	251	53.32	322.2		65.23
8	274	21.04	116.3		67.41
9	298	8.74	44.4		69.63
10	838	6.24	11.3		93.18
11	927	6.23	10.2		94.41
12	988	8.13	12.5		95.26
13	1,194	14.09	17.9		96.59
14	1,312	11.71	13.5		97.30
15	1,517	22.24	22.2		98.53
16	1,919	17.78	14.0		100.94
17	2,166	23.64	16.5		101.93
18	2,570	32.48	19.1		103.16
19	2,741	23.69	13.1		103.68
20	3,542	34.65	14.8		105.15
21	5,767	20.99	5.5		107.94
22	7,105	13.04	2.8		109.59
23	8,788	7.12	1.2		111.34
24	10,380	75.00	10.9	Upper Marker	113.00
25	12,154	0.00	0.0		114.84

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Electropherogram Summary Continued ...

... Region table for sample 11 : H973P-3 22 cyc

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	390	249.1	1,852.3	■ 331.76	19	65.1

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-28\2017-06-28_003.xad

Created: 6/28/2017 1:07:18 PM
Modified: 6/28/2017 1:48:38 PM

Gel Image