

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-21\2018-02-21_001.xad

Created: 2/21/2018 1:11:12 PM
Modified: 2/21/2018 1:52:30 PM

Electrophoresis File Run Summary

Instrument Information:

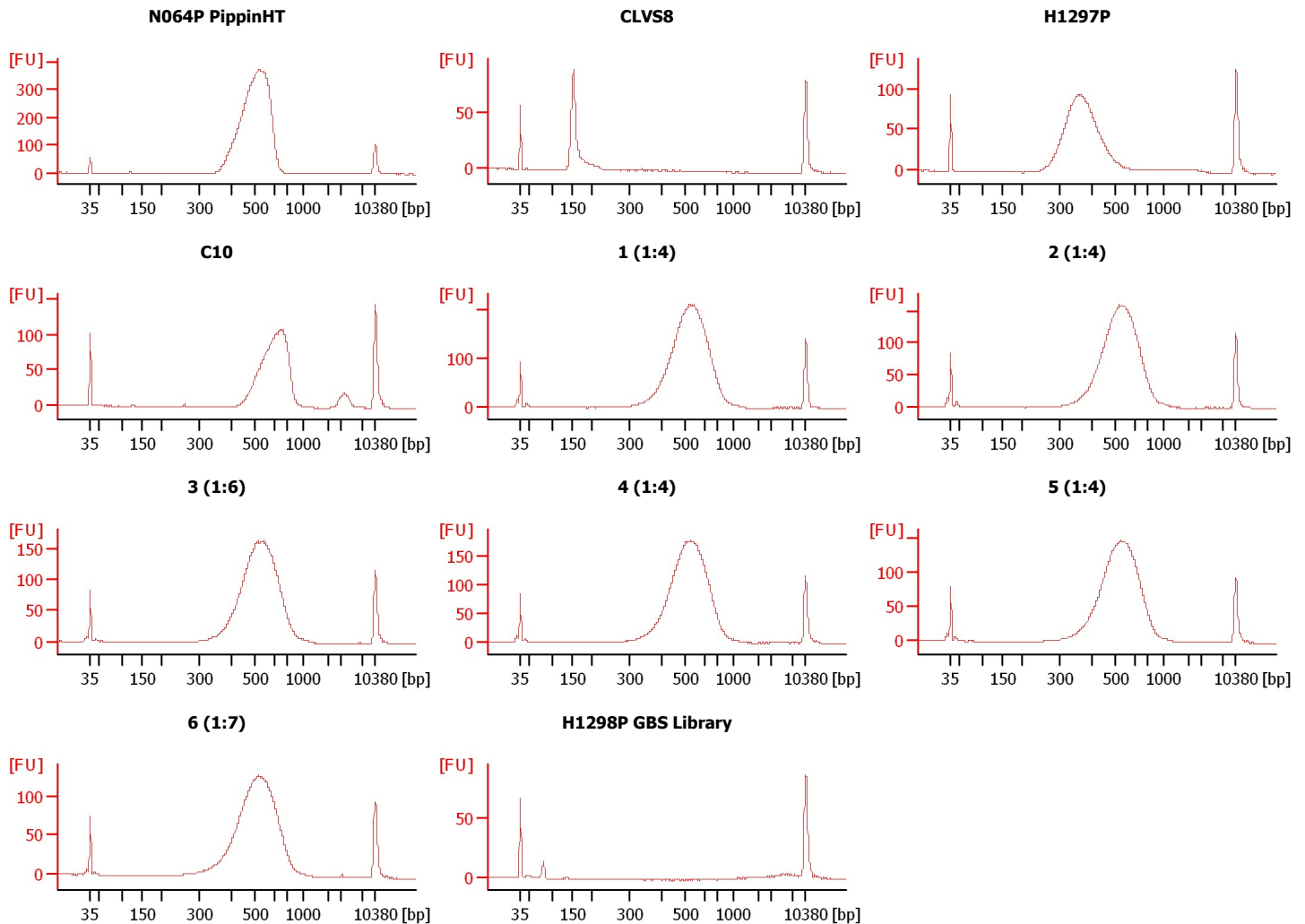
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
N064P PippinHT		<input type="checkbox"/>	✓			
CLVS8		<input type="checkbox"/>	✓			
H1297P		<input type="checkbox"/>	✓			
C10		<input type="checkbox"/>	✓			
1 (1:4)		<input type="checkbox"/>	✓			
2 (1:4)		<input type="checkbox"/>	✓			
3 (1:6)		<input type="checkbox"/>	✓			
4 (1:4)		<input type="checkbox"/>	✓			
5 (1:4)		<input type="checkbox"/>	✓			
6 (1:7)		<input type="checkbox"/>	✓			
H1298P GBS Library		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

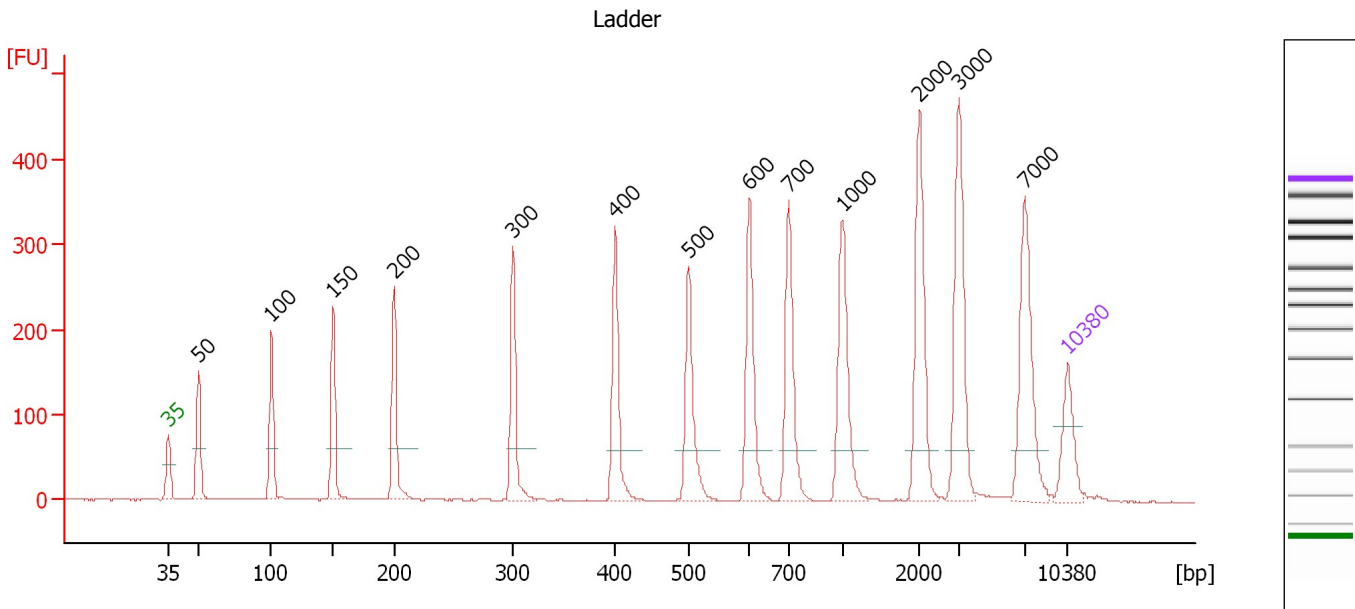
Reagent Kit Lot #

Chip Comments :

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

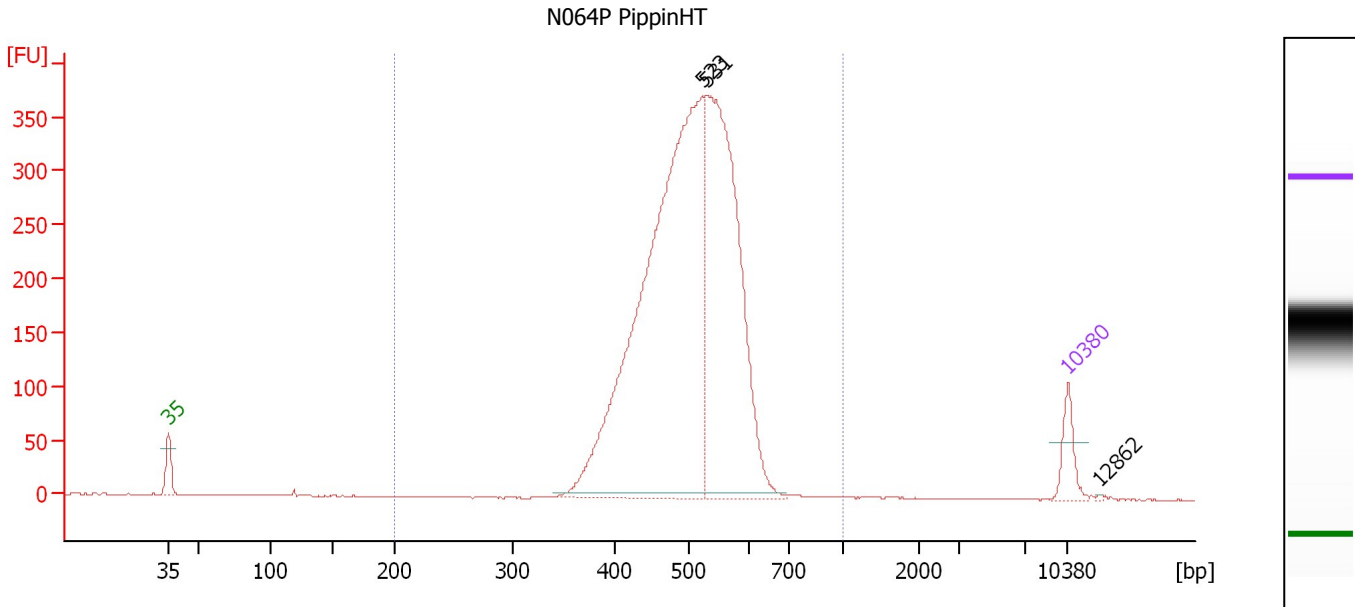
Peak table for Ladder

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	45.31
3	100	150.00	2,272.7	Ladder Peak	51.00
4	150	150.00	1,515.2	Ladder Peak	55.82
5	200	150.00	1,136.4	Ladder Peak	60.58
6	300	150.00	757.6	Ladder Peak	69.79
7	400	150.00	568.2	Ladder Peak	77.75
8	500	150.00	454.5	Ladder Peak	83.48
9	600	150.00	378.8	Ladder Peak	88.20
10	700	150.00	324.7	Ladder Peak	91.26
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	104.49
14	7,000	150.00	32.5	Ladder Peak	109.62
15	10,380	75.00	10.9	Upper Marker	113.00

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Electropherogram Summary Continued ...



Overall Results for sample 1 : N064P PippinHT

Number of peaks found: 3 Corr. Area 1: 3,851.5
 Noise: 0.3

Peak table for sample 1 : N064P PippinHT

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	523	2,543.69	7,374.3		84.55
3	531	1,464.81	4,183.0		84.93
4	10,380	75.00	10.9	Upper Marker	113.00
5	12,862	0.00	0.0		115.48

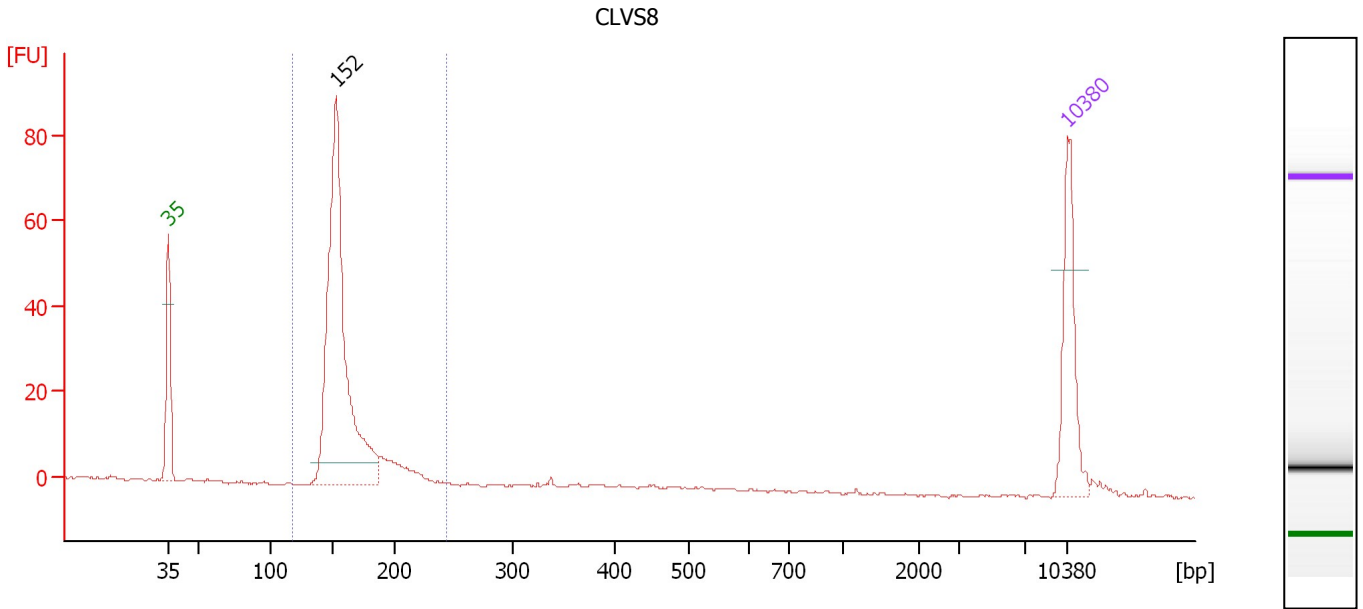
Region table for sample 1 : N064P PippinHT

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	503	3,851.5	4,125.48	12,667.0	100	12.0

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Electropherogram Summary Continued ...



Overall Results for sample 2 : CLVS8

Number of peaks found: 1 Corr. Area 1: 277.0
 Noise: 0.3

Peak table for sample 2 : CLVS8

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	152	481.17	4,784.2		56.04
3	10,380	75.00	10.9	Upper Marker	113.00

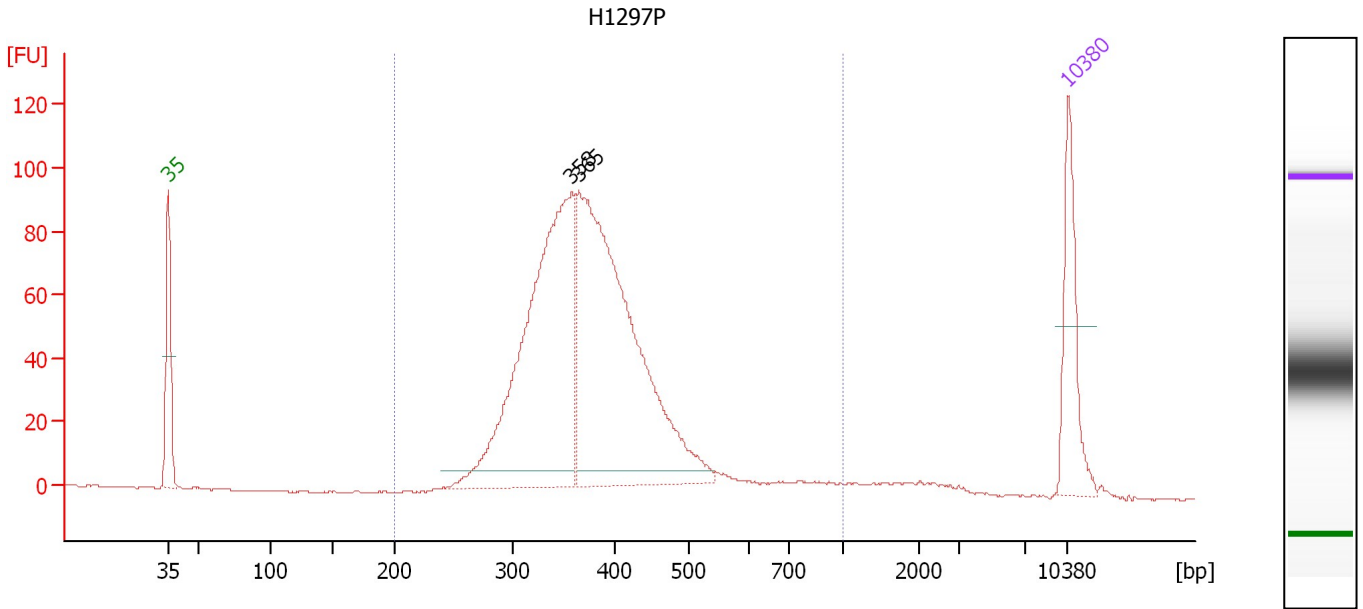
Region table for sample 2 : CLVS8

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
117	245	160	277.0	511.20	4,881.6	95	11.2

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Electropherogram Summary Continued ...



Overall Results for sample 3 : H1297P

Number of peaks found: 2 Corr. Area 1: 1,285.5
 Noise: 0.2

Peak table for sample 3 : H1297P

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	358	512.89	2,173.4		74.37
3	365	585.95	2,433.6		74.95
4	10,380	75.00	10.9	Upper Marker	113.00

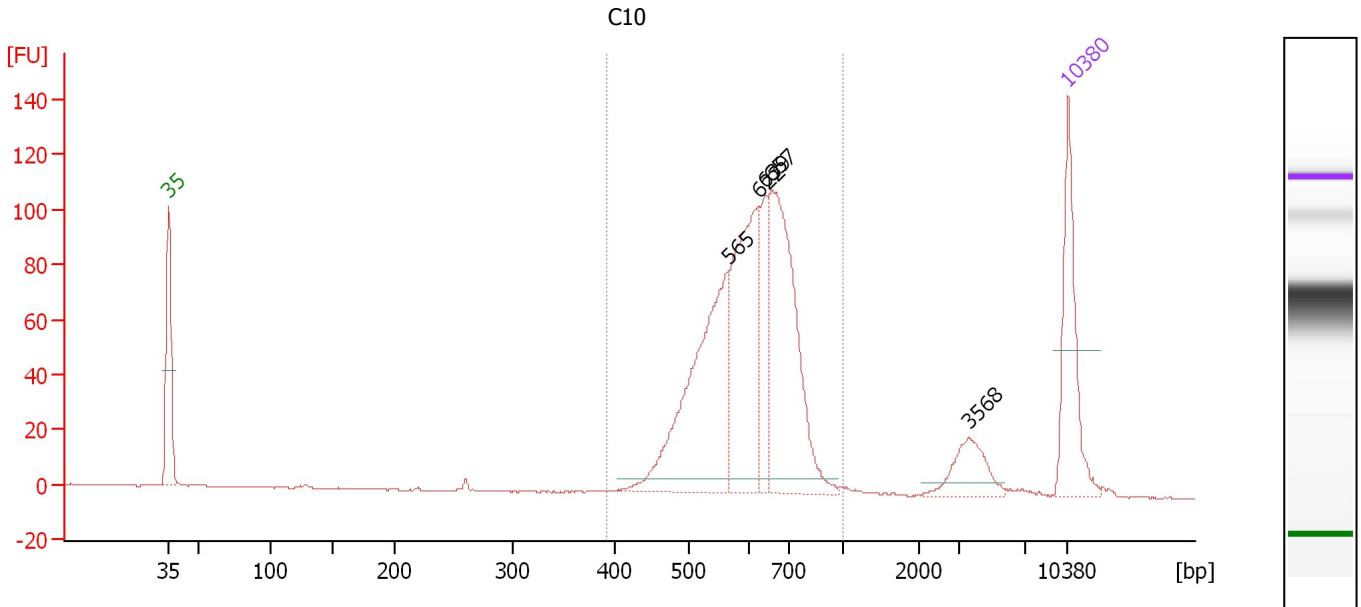
Region table for sample 3 : H1297P

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	386	1,285.5	1,177.92	4,843.7	97	22.7

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Electropherogram Summary Continued ...



Overall Results for sample 4 : C10

Number of peaks found: 5 Corr. Area 1: 969.2
 Noise: 0.2

Peak table for sample 4 : C10

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	565	221.83	594.9		86.55
3	622	174.06	424.3		88.86
4	639	63.04	149.4		89.40
5	657	220.68	508.8		89.95
6	3,568	34.92	14.8		105.22
7	10,380	75.00	10.9	Upper Marker	113.00

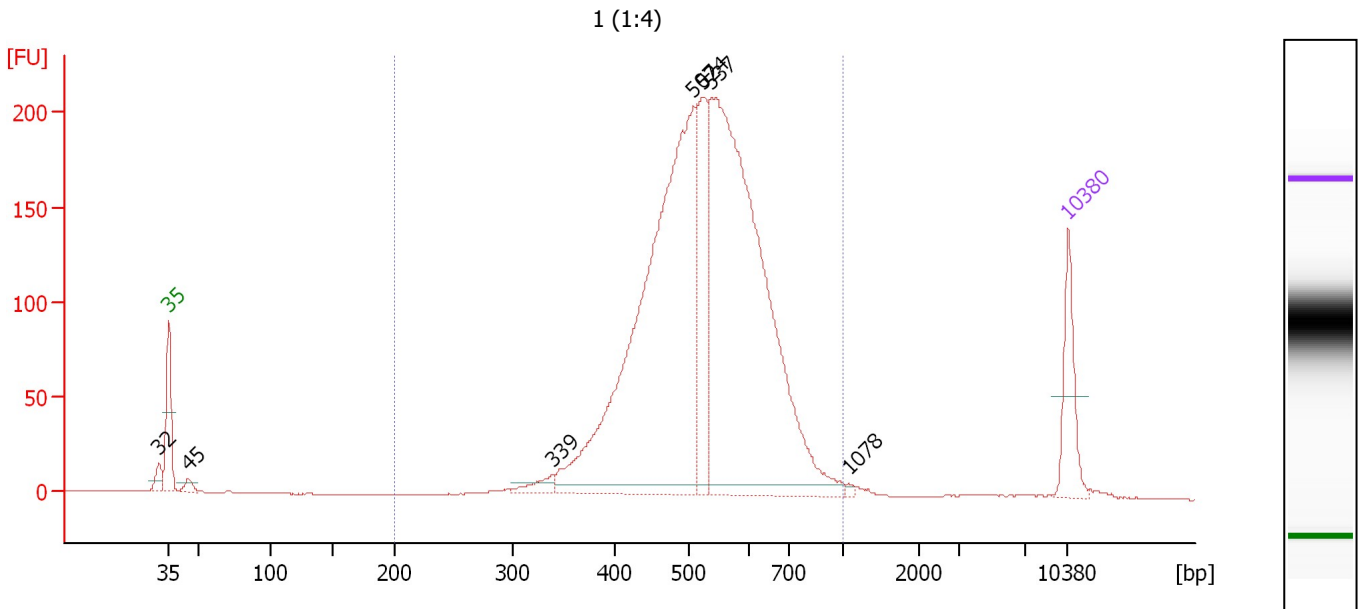
Region table for sample 4 : C10

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
392	1,000	612	969.2	694.71	1,761.0	92	14.2

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Electropherogram Summary Continued ...



Overall Results for sample 5 : 1 (1:4)

Number of peaks found: 7 Corr. Area 1: 2,705.9
 Noise: 0.3

Peak table for sample 5 : 1 (1:4)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.24
2	35	125.00	5,411.3	Lower Marker	43.00
3	45	15.78	529.5		44.56
4	339	22.50	100.6		72.88
5	507	1,049.64	3,134.7		83.83
6	524	186.95	540.1		84.64
7	537	1,058.80	2,985.8		85.24
8	1,078	3.41	4.8		95.89
9	10,380	75.00	10.9	Upper Marker	113.00

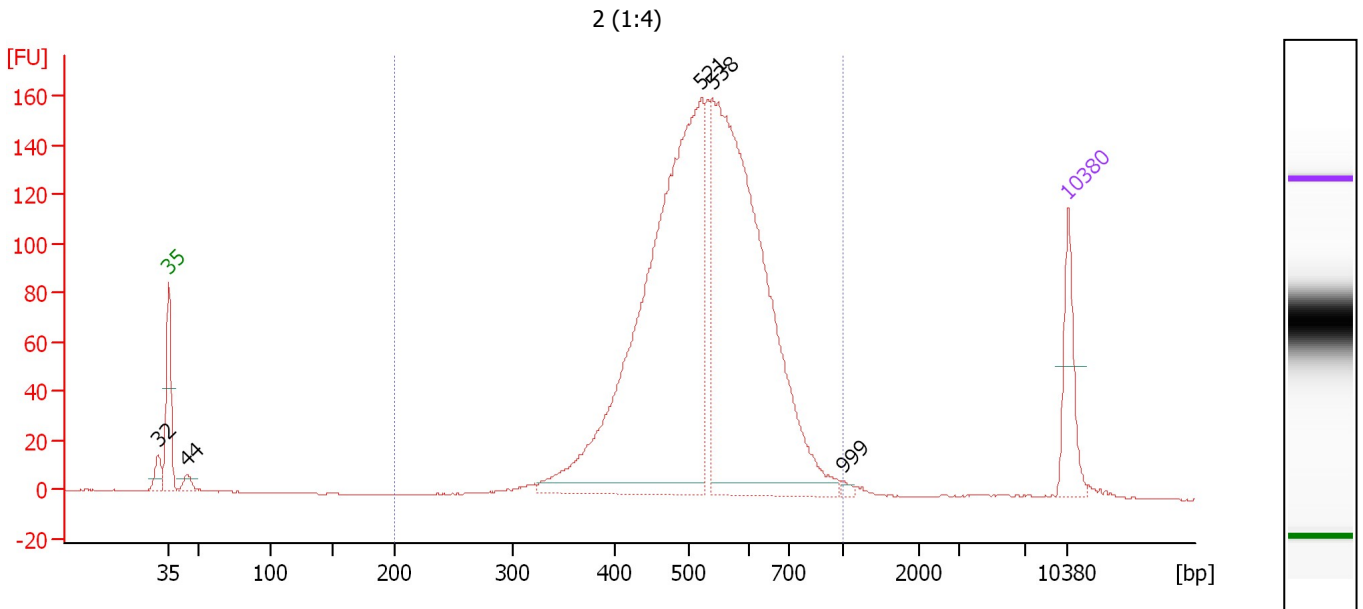
Region table for sample 5 : 1 (1:4)

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	531	2,705.9	2,355.02	7,020.1	97	18.3

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Electropherogram Summary Continued ...



Overall Results for sample 6 : 2 (1:4)

Number of peaks found: 5 Corr. Area 1: 2,053.8
 Noise: 0.3

Peak table for sample 6 : 2 (1:4)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.23
2	35	125.00	5,411.3	Lower Marker	43.00
3	44	19.20	655.9		44.44
4	521	1,071.85	3,117.1		84.47
5	538	958.21	2,696.1		85.30
6	999	4.91	7.4		95.41
7	10,380	75.00	10.9	Upper Marker	113.00

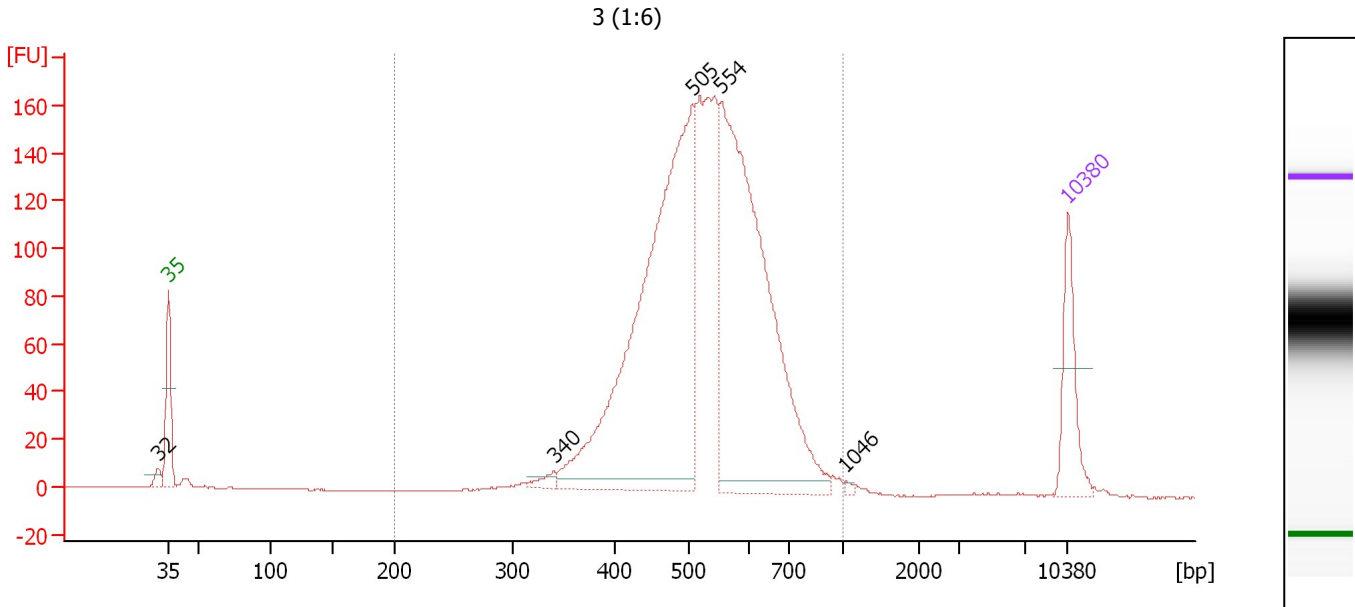
Region table for sample 6 : 2 (1:4)

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	533	2,053.8	2,144.93	6,356.8	97	18.2

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Electropherogram Summary Continued ...



Overall Results for sample 7 : 3 (1:6)

Number of peaks found: 5 Corr. Area 1: 2,124.1
 Noise: 0.2

Peak table for sample 7 : 3 (1:6)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.16
2	35	125.00	5,411.3	Lower Marker	43.00
3	340	14.43	64.2		72.99
4	505	888.75	2,663.9		83.74
5	554	734.42	2,007.2		86.05
6	1,046	3.21	4.6		95.70
7	10,380	75.00	10.9	Upper Marker	113.00

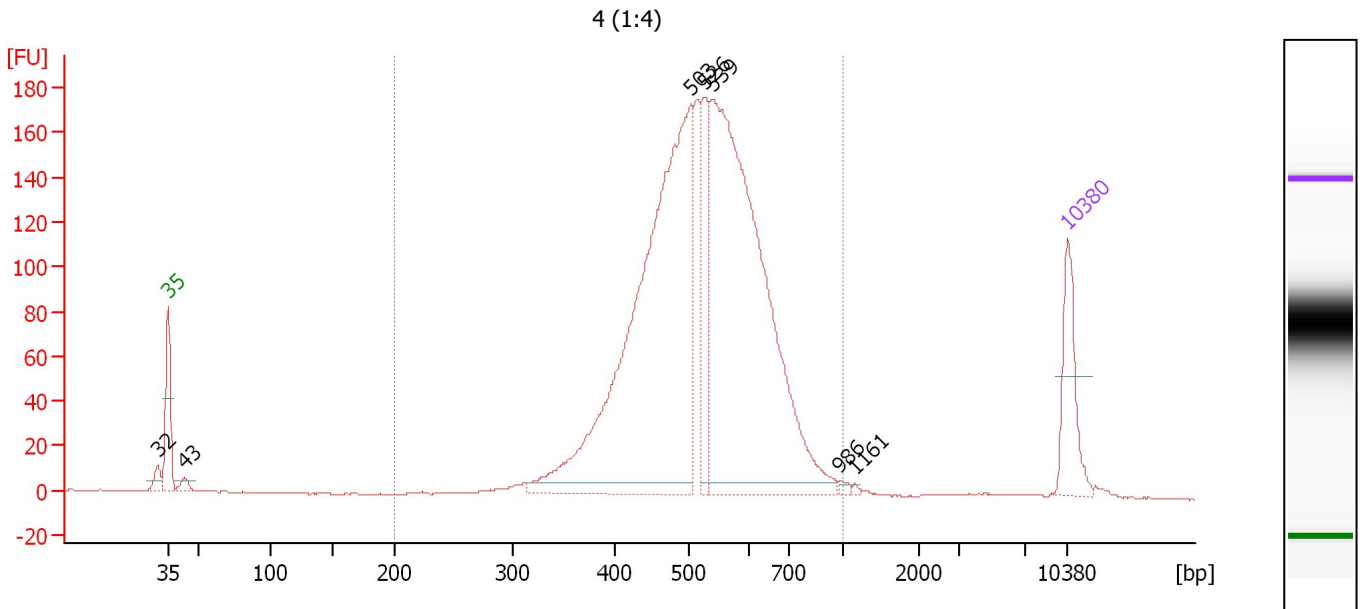
Region table for sample 7 : 3 (1:6)

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	532	2,124.1	2,032.27	6,042.4	98	18.2

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Electropherogram Summary Continued ...



Overall Results for sample 8 : 4 (1:4)

Number of peaks found: 7 Corr. Area 1: 2,331.0
 Noise: 0.2

Peak table for sample 8 : 4 (1:4)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.15
2	35	125.00	5,411.3	Lower Marker	43.00
3	43	15.14	534.7		44.22
4	503	970.06	2,920.7		83.63
5	526	143.01	412.2		84.69
6	539	902.65	2,536.9		85.33
7	986	4.94	7.6		95.22
8	1,161	2.18	2.8		96.39
9	10,380	75.00	10.9	Upper Marker	113.00

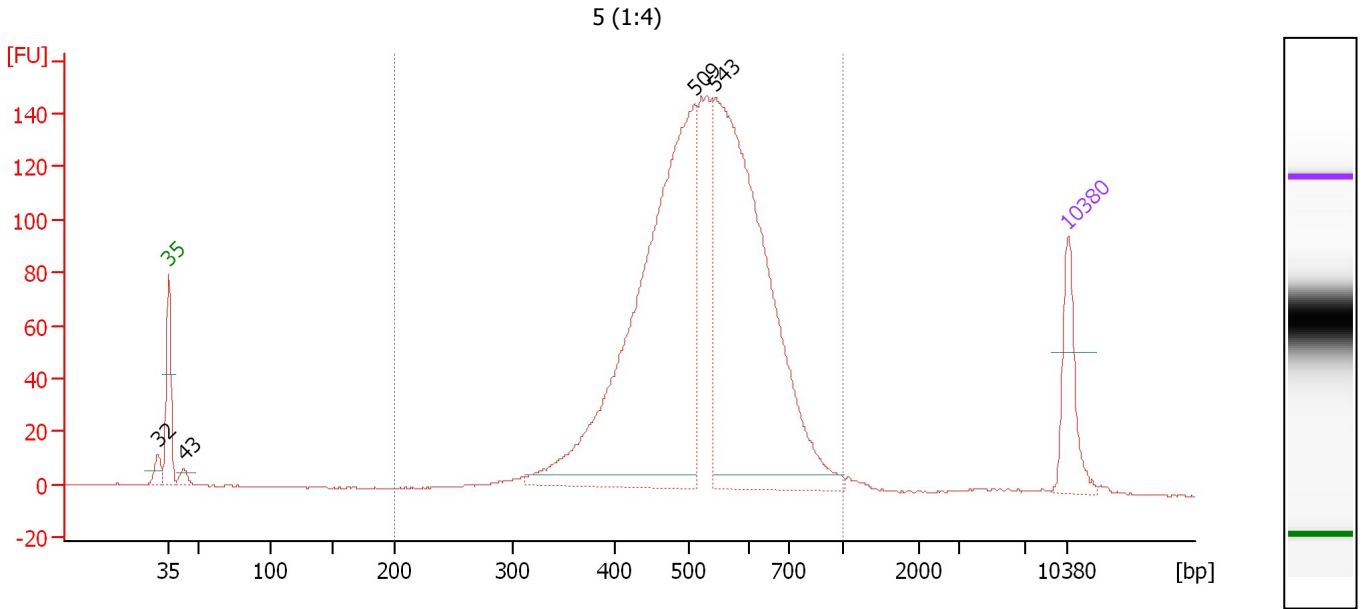
Region table for sample 8 : 4 (1:4)

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	527	2,331.0	2,156.58	6,487.1	97	18.6

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Electropherogram Summary Continued ...



Overall Results for sample 9 : 5 (1:4)

Number of peaks found: 4 Corr. Area 1: 1,999.1
 Noise: 0.2

Peak table for sample 9 : 5 (1:4)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.15
2	35	125.00	5,411.3	Lower Marker	43.00
3	43	17.11	608.9		44.17
4	509	989.23	2,945.0		83.90
5	543	901.00	2,515.2		85.50
6	10,380	75.00	10.9	Upper Marker	113.00

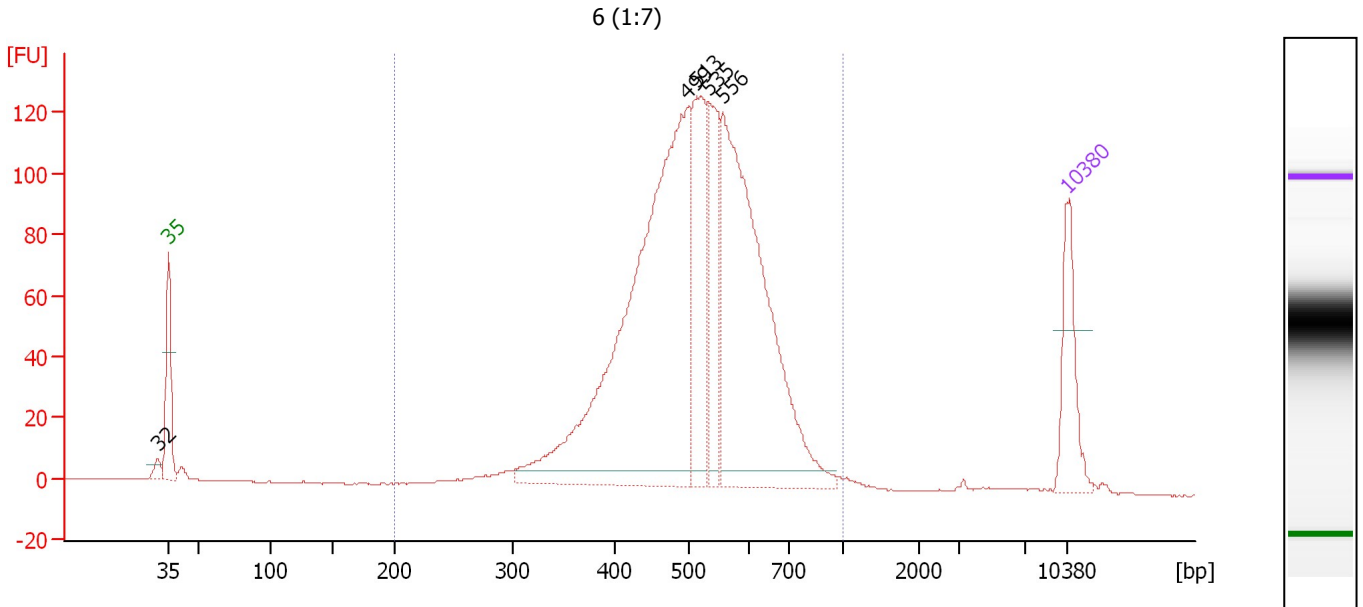
Region table for sample 9 : 5 (1:4)

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	530	1,999.1	2,169.91	6,523.4	97	19.3

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Electropherogram Summary Continued ...



Overall Results for sample 10 : 6 (1:7)

Number of peaks found: 5 Corr. Area 1: 1,748.0
 Noise: 0.2

Peak table for sample 10 : 6 (1:7)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.14
2	35	125.00	5,411.3	Lower Marker	43.00
3	499	861.04	2,616.3		83.41
4	513	199.40	588.8		84.10
5	535	123.46	349.9		85.12
6	556	581.58	1,584.3		86.13
7	10,380	75.00	10.9	Upper Marker	113.00

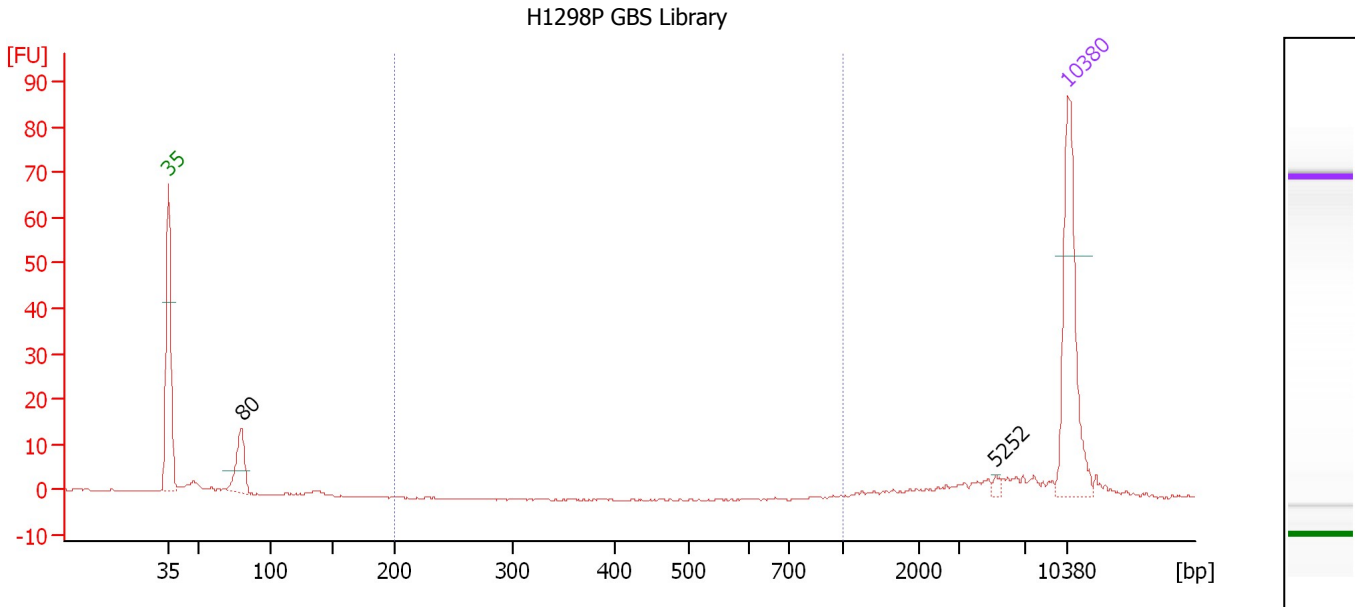
Region table for sample 10 : 6 (1:7)

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	517	1,748.0	1,880.08	5,814.9	98	19.4

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Electropherogram Summary Continued ...



Overall Results for sample 11 : H1298P GBS Library

Number of peaks found: 2 Corr. Area 1: 0.0
 Noise: 0.2

Peak table for sample 11 : H1298P GBS Library

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	80	37.76	719.2		48.68
3	5,252	2.61	0.8		107.38
4	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 11 : H1298P GBS Library

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	0	0.0	0.00	0.0	0	0.0

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