

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-05\2018-03-05_001.xad

Created: 3/5/2018 1:58:09 PM
Modified: 3/5/2018 2:31:30 PM

Electrophoresis File Run Summary

Instrument Information:

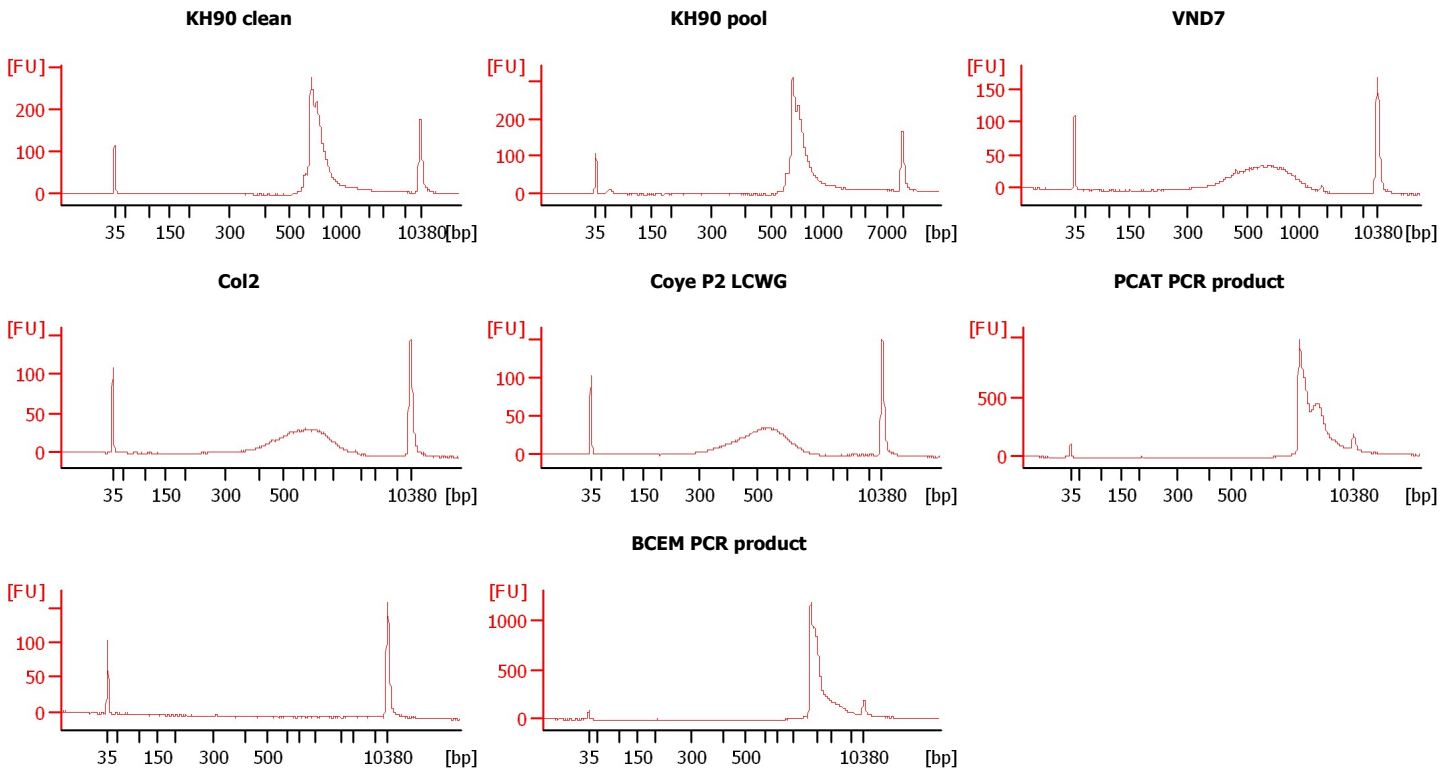
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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
KH90 clean		<input type="checkbox"/>	✓			
KH90 pool		<input type="checkbox"/>	✓			
VND7		<input type="checkbox"/>	✓			
Col2		<input type="checkbox"/>	✓			
Coye P2 LCWG		<input type="checkbox"/>	✓			
PCAT PCR product		<input type="checkbox"/>	✓			
		<input type="checkbox"/>	✓			
BCEM PCR product		<input type="checkbox"/>	✓			
		<input type="checkbox"/>				
		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

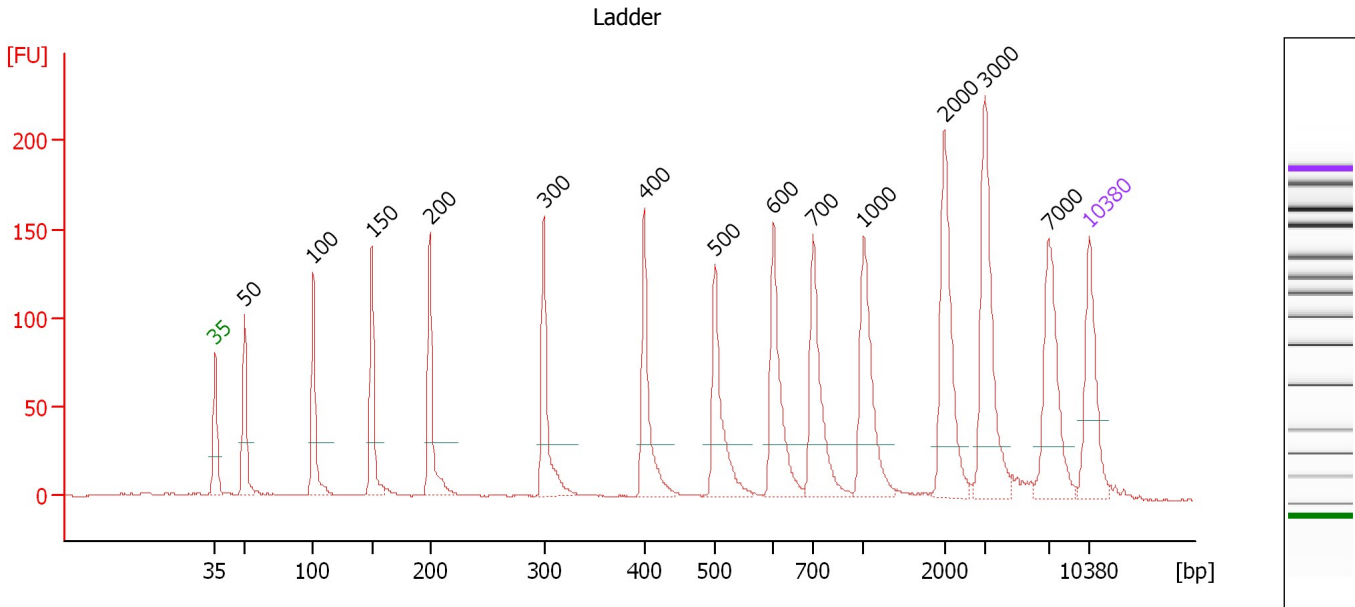
Chip Lot # **Reagent Kit Lot #**

Chip Comments :

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Electropherogram Summary



Overall Results for Ladder

Noise: 0.4

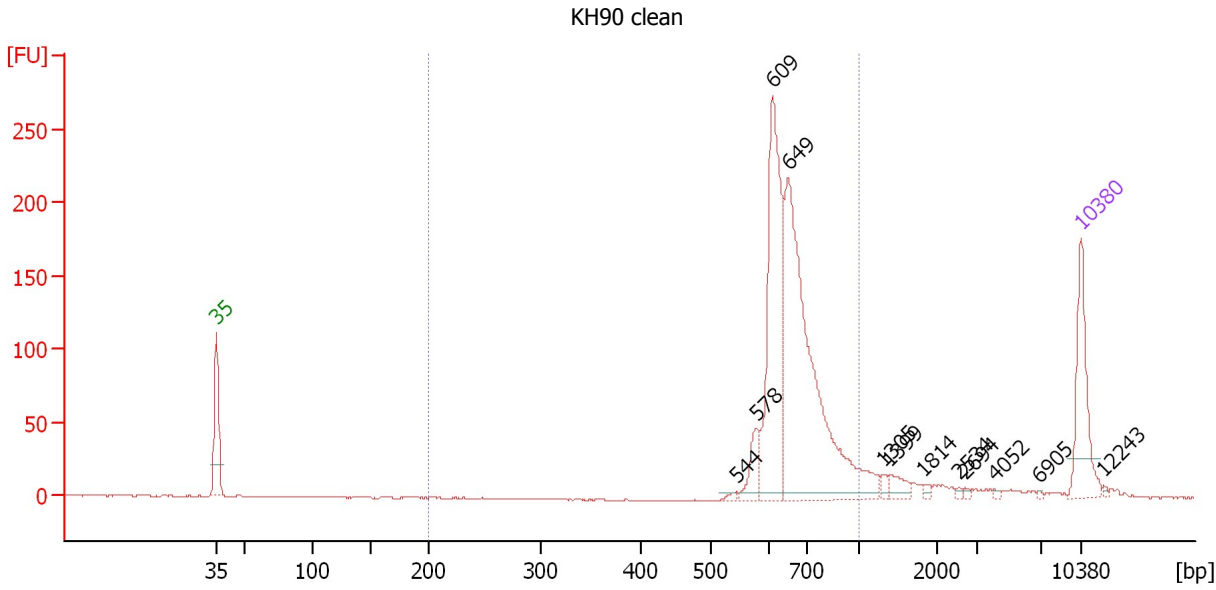
Peak table for Ladder

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	50.86
4	150	150.00	1,515.2	Ladder Peak	55.56
5	200	150.00	1,136.4	Ladder Peak	60.17
6	300	150.00	757.6	Ladder Peak	69.31
7	400	150.00	568.2	Ladder Peak	77.34
8	500	150.00	454.5	Ladder Peak	83.02
9	600	150.00	378.8	Ladder Peak	87.72
10	700	150.00	324.7	Ladder Peak	90.88
11	1,000	150.00	227.3	Ladder Peak	94.93
12	2,000	150.00	113.6	Ladder Peak	101.38
13	3,000	150.00	75.8	Ladder Peak	104.63
14	7,000	150.00	32.5	Ladder Peak	109.71
15	10,380	75.00	10.9	Upper Marker	113.00

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Electropherogram Summary Continued ...



Overall Results for sample 1 : KH90 clean

Number of peaks found: 12 Corr. Area 1: 1,053.3
 Noise: 0.4

Peak table for sample 1 : KH90 clean

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	544	4.50	12.5		85.08
3	578	35.19	92.3		86.67
4	609	263.00	653.9		88.01
5	649	432.52	1,009.8		89.26
6	1,305	6.46	7.5		96.90
7	1,399	14.67	15.9		97.51
8	1,814	3.45	2.9		100.18
9	2,534	2.15	1.3		103.12
10	2,694	2.31	1.3		103.64
11	4,052	1.69	0.6		105.97
12	6,905	1.19	0.3		109.59
13	10,380	75.00	10.9	Upper Marker	113.00
14	12,243	0.00	0.0		114.81

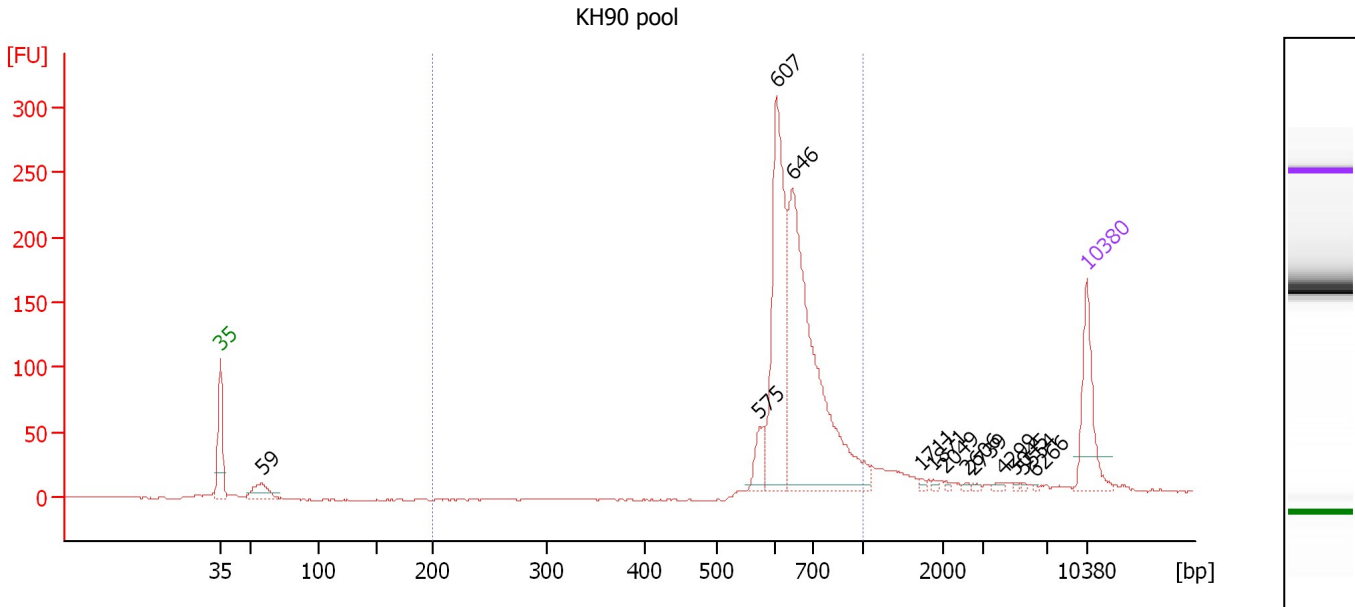
Region table for sample 1 : KH90 clean

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	671	1,053.3	682.56	1,560.4	88	12.6

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Electropherogram Summary Continued ...



Overall Results for sample 2 : KH90 pool

Number of peaks found: 13 Corr. Area 1: 1,153.6
 Noise: 0.5

Peak table for sample 2 : KH90 pool

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	59	45.77	1,179.6		46.32
3	575	33.47	88.2		86.55
4	607	294.76	736.1		87.93
5	646	478.02	1,120.7		89.18
6	1,711	3.42	3.0		99.52
7	1,871	2.70	2.2		100.55
8	2,049	2.43	1.8		101.54
9	2,606	2.26	1.3		103.35
10	2,739	2.18	1.2		103.78
11	4,299	3.74	1.3		106.28
12	5,045	1.86	0.6		107.23
13	5,554	1.84	0.5		107.87
14	6,266	1.31	0.3		108.78
15	10,380	75.00	10.9	Upper Marker	113.00

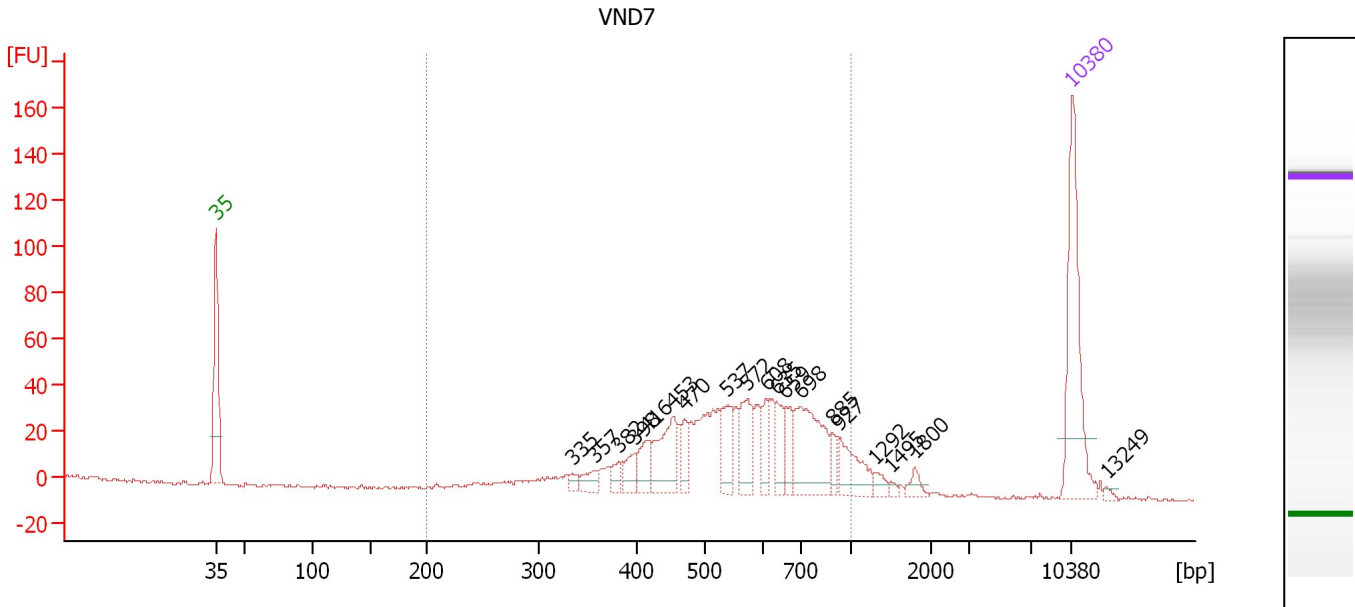
Region table for sample 2 : KH90 pool

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	671	1,153.6	803.34	1,838.8	84	13.0

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Electropherogram Summary Continued ...



Overall Results for sample 3 : VND7

Number of peaks found: 19 Corr. Area 1: 747.1
 Noise: 0.8

Peak table for sample 3 : VND7

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	335	5.34	24.2		72.09
3	357	11.88	50.3		73.92
4	382	8.51	33.7		75.93
5	398	15.23	58.0		77.19
6	416	19.69	71.7		78.24
7	453	46.02	153.8		80.38
8	470	14.12	45.5		81.29
9	537	29.22	82.5		84.74
10	572	33.75	89.4		86.40
11	608	16.63	41.4		87.97
12	635	18.41	43.9		88.84
13	659	17.81	41.0		89.58
14	698	69.40	150.7		90.80
15	885	9.80	16.8		93.37
16	927	28.79	47.1		93.94
17	1,292	6.03	7.1		96.82
18	1,495	2.33	2.4		98.13
19	1,800	6.19	5.2		100.09
20	10,380	75.00	10.9	Upper Marker	113.00
21	13,249	0.00	0.0		115.79

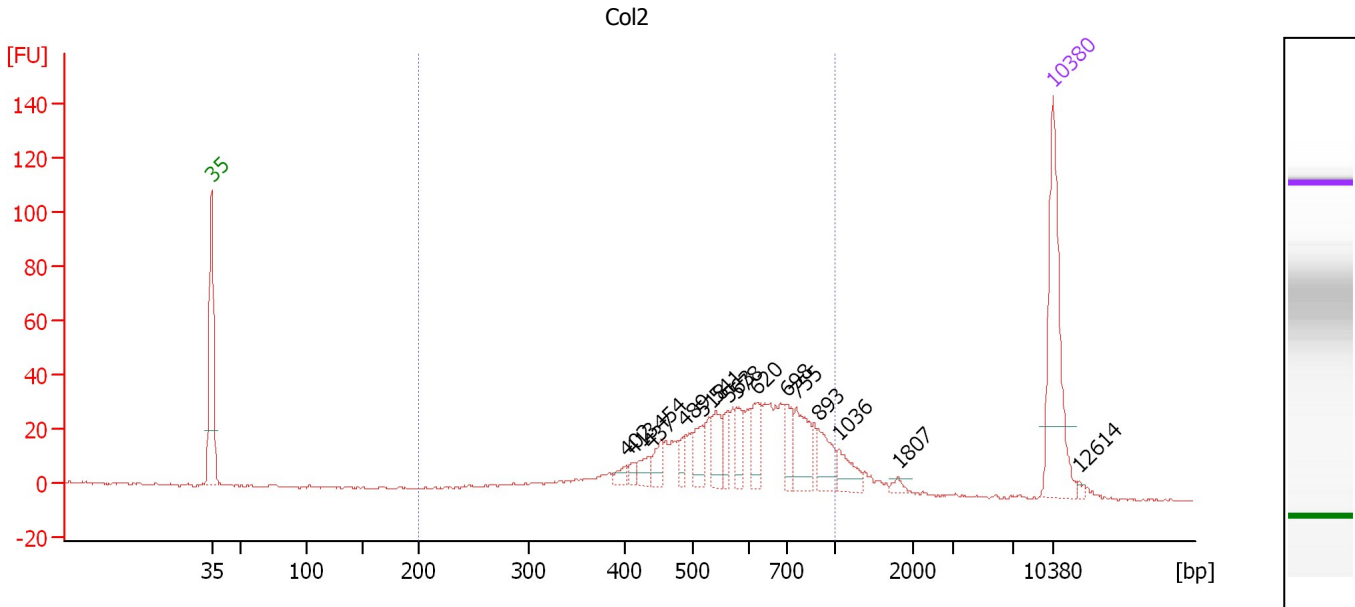
Region table for sample 3 : VND7

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	577	747.1	454.07	1,319.4	92	26.9

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Electropherogram Summary Continued ...



Overall Results for sample 4 : Col2

Number of peaks found: 16 Corr. Area 1: 572.1
 Noise: 0.5

Peak table for sample 4 : Col2

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	402	6.66	25.1		77.47
3	413	5.05	18.5		78.09
4	437	10.96	38.0		79.46
5	454	14.11	47.1		80.40
6	489	9.72	30.1		82.39
7	518	21.01	61.5		83.86
8	541	20.93	58.6		84.96
9	563	13.46	36.2		85.98
10	578	17.18	45.0		86.69
11	620	24.35	59.5		88.34
12	698	19.78	42.9		90.82
13	755	31.97	64.2		91.62
14	893	21.25	36.1		93.48
15	1,036	15.96	23.3		95.17
16	1,807	3.47	2.9		100.14
17	10,380	75.00	10.9	Upper Marker	113.00
18	12,614	0.00	0.0		115.17

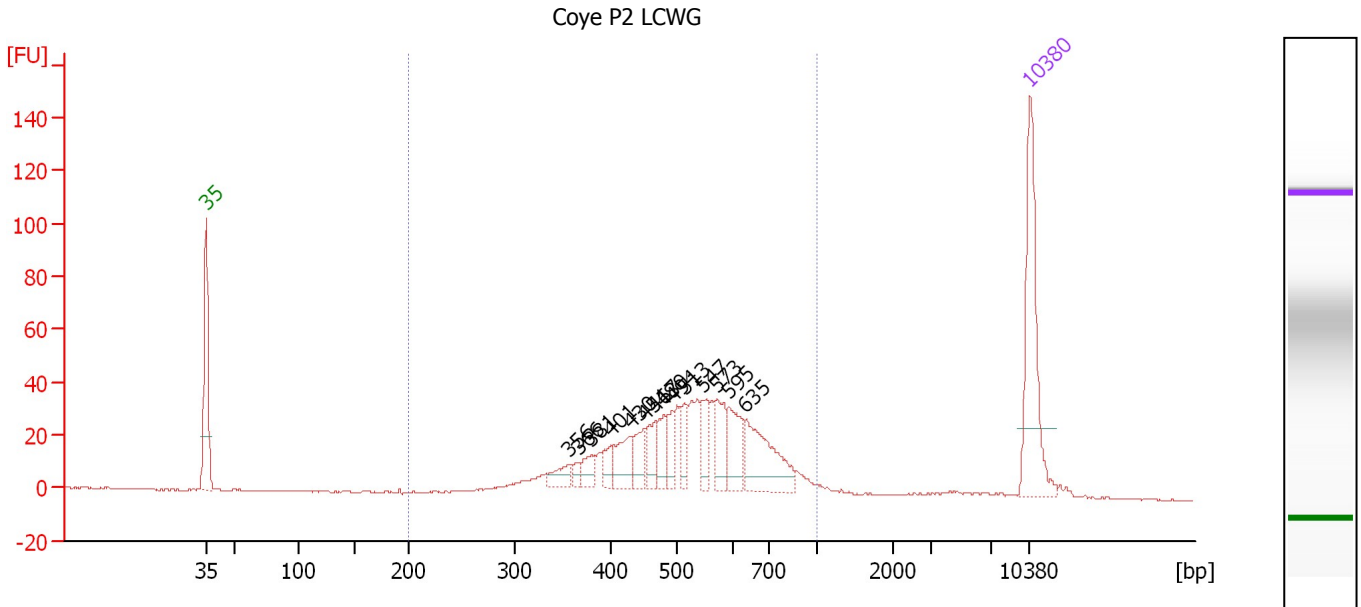
Region table for sample 4 : Col2

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	599	572.1	409.89	1,156.7	89	26.7

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Electropherogram Summary Continued ...



Overall Results for sample 5 : Coye P2 LCWG

Number of peaks found: 14 Corr. Area 1: 636.4
 Noise: 0.3

Peak table for sample 5 : Coye P2 LCWG

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	356	15.61	66.4		73.83
3	366	7.05	29.2		74.60
4	381	13.73	54.7		75.78
5	401	12.62	47.7		77.41
6	430	28.21	99.4		79.04
7	451	21.10	70.9		80.22
8	467	20.81	67.5		81.13
9	480	20.43	64.5		81.90
10	494	15.72	48.2		82.67
11	513	18.33	54.2		83.62
12	547	22.35	62.0		85.21
13	573	29.43	77.9		86.43
14	595	32.82	83.6		87.48
15	635	60.11	143.3		88.84
16	10,380	75.00	10.9	Upper Marker	113.00

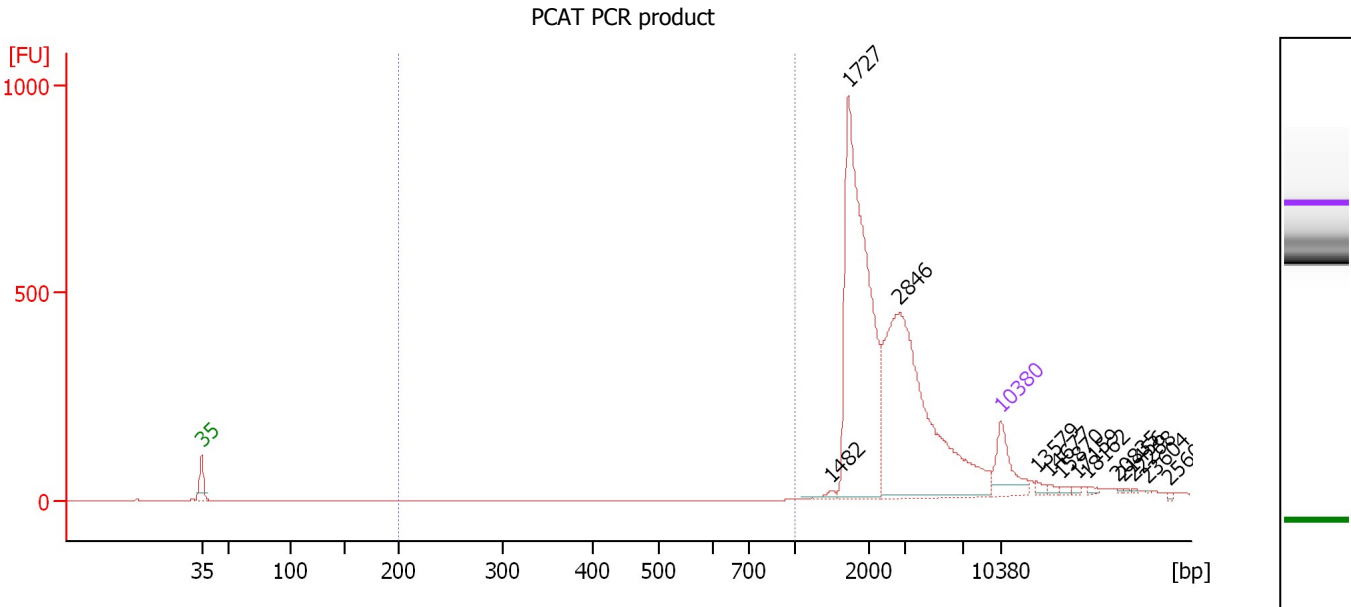
Region table for sample 5 : Coye P2 LCWG

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	529	636.4	465.84	1,452.8	95	24.8

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Electropherogram Summary Continued ...



Overall Results for sample 6 : PCAT PCR product

Number of peaks found: 13 Corr. Area 1: 0.0
 Noise: 0.3

Peak table for sample 6 : PCAT PCR product

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	1,482	9.07	9.3		98.04
3	1,727	708.22	621.4		99.62
4	2,846	634.08	337.6		104.13
5	10,380	75.00	10.9	Upper Marker	113.00
6	13,579	0.00	0.0		116.11
7	14,677	0.00	0.0		117.18
8	15,870	0.00	0.0		118.34
9	17,159	0.00	0.0		119.60
10	18,162	0.00	0.0		120.57
11	20,835	0.00	0.0		123.17
12	21,456	0.00	0.0		123.78
13	22,268	0.00	0.0		124.57
14	23,604	0.00	0.0		125.87
15	25,609	0.00	0.0		127.82

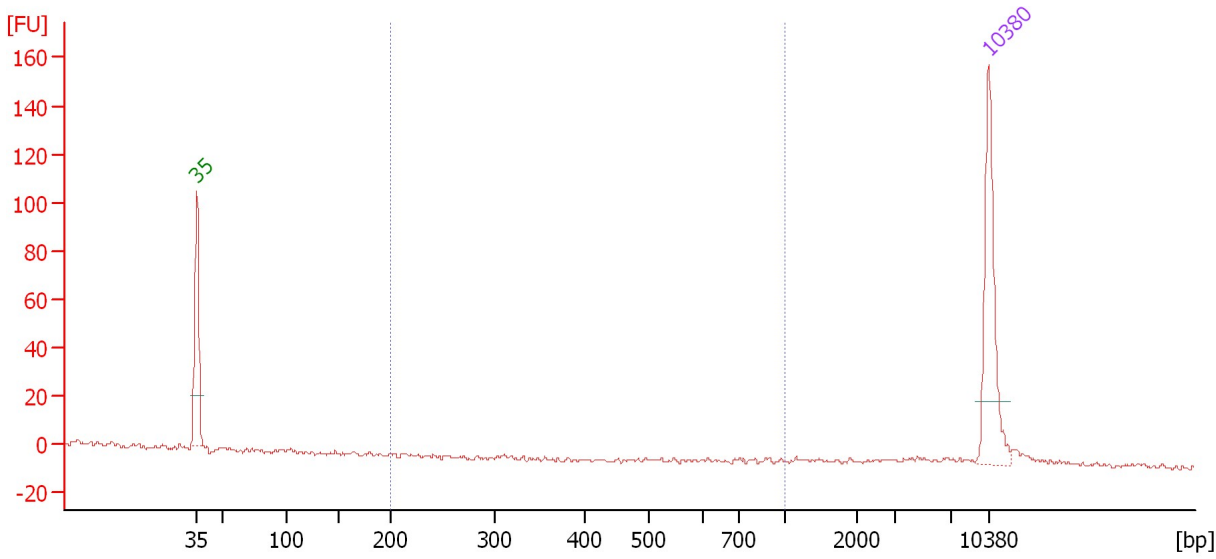
Region table for sample 6 : PCAT PCR product

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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Electropherogram Summary Continued ...



Overall Results for sample 7 :

Number of peaks found: 0 Corr. Area 1: 0.1
 Noise: 1.1

Peak table for 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

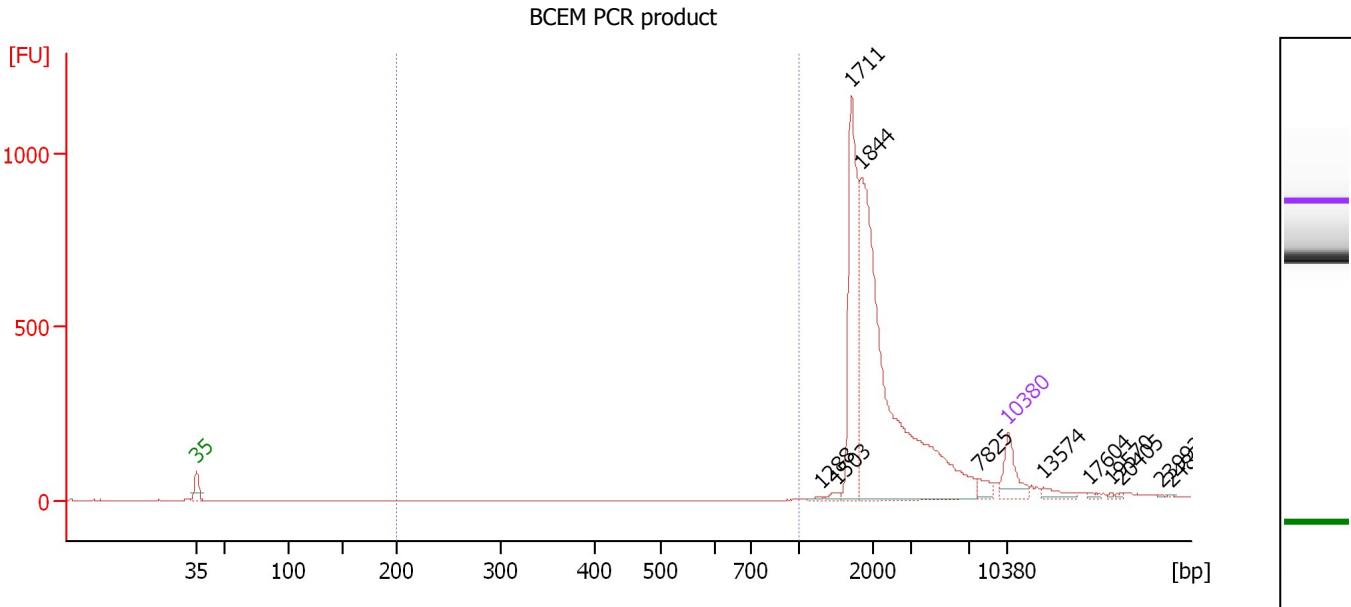
Region table for sample 7 :

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	897	0.1	0.05	0.1	0	3.0

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Electropherogram Summary Continued ...



Overall Results for sample 8 : BCEM PCR product

Number of peaks found: 12 Corr. Area 1: 0.0
 Noise: 0.5

Peak table for sample 8 : BCEM PCR product

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	1,288	4.80	5.6		96.79
3	1,503	9.76	9.8		98.18
4	1,711	401.36	355.5		99.52
5	1,844	1,052.04	864.4		100.38
6	7,825	25.32	4.9		110.51
7	10,380	75.00	10.9	Upper Marker	113.00
8	13,574	0.00	0.0		116.11
9	17,604	0.00	0.0		120.03
10	19,570	0.00	0.0		121.94
11	20,405	0.00	0.0		122.75
12	23,993	0.00	0.0		126.24
13	24,877	0.00	0.0		127.11
14	28,514	0.00	0.0		130.64

Region table for sample 8 : BCEM PCR product

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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Gel Image

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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.