

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-14\2014-02-14_004.xad

Created: 2/14/2014 1:24:33 PM
Modified: 2/14/2014 2:05:57 PM

Electrophoresis File Run Summary

Instrument Information:

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

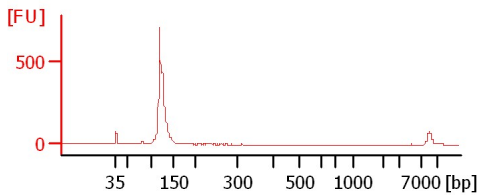
Assay Information:

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

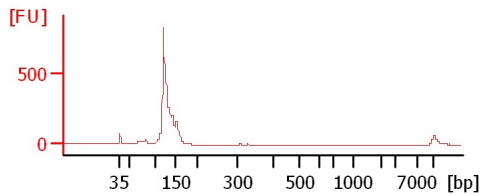
Chip Information:

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

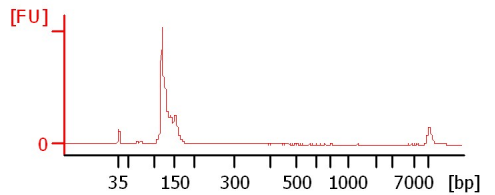
sample RePCR 1



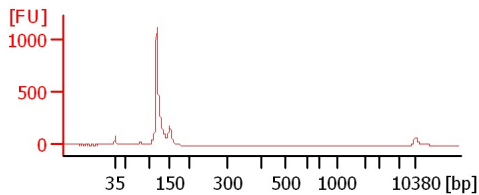
sample RePCR 5



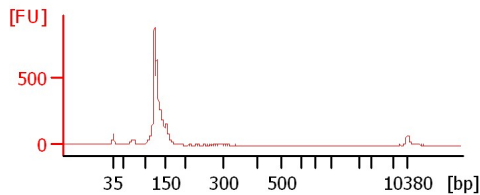
sample RePCR 7



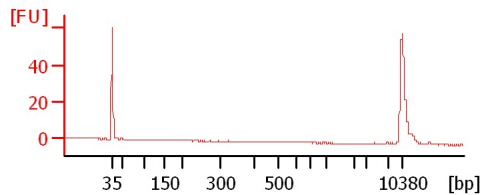
sample RePCR 9



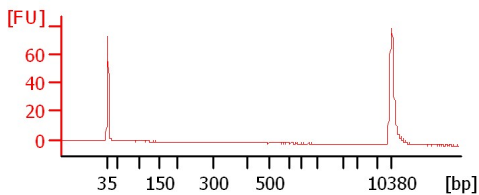
sample RePCR 12



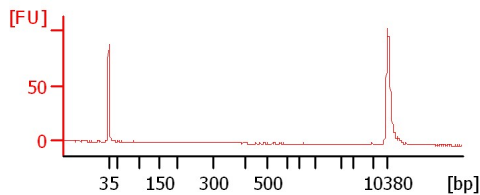
sample HIEC 2



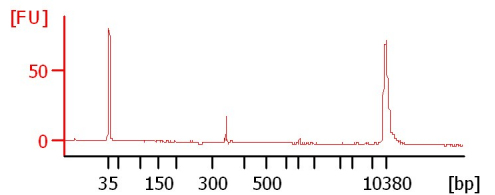
sample HIEC 4



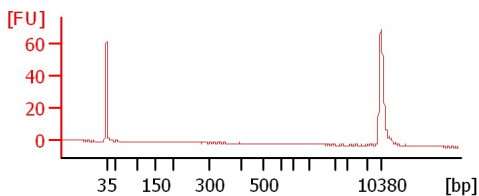
sample 8



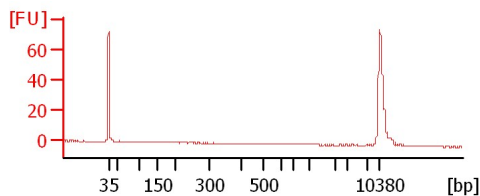
sample 9



sample 10



sample 11



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 Modified: 2/14/2014 2:05:57 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample RePCR 1		<input type="checkbox"/>	✓			
sample RePCR 5		<input type="checkbox"/>	✓			
sample RePCR 7		<input type="checkbox"/>	✓			
sample RePCR 9		<input type="checkbox"/>	✓			
sample RePCR 12		<input type="checkbox"/>	✓			
sample HIEC 2		<input type="checkbox"/>	✓			
sample HIEC 4		<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 :

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 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-14\2014-02-14_004.xad

Created: 2/14/2014 1:24:33 PM
 Modified: 2/14/2014 2:05:57 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
 Minimum Visible Range [s] : 32
 Maximum Visible Range [s] : 138
 Start Analysis Time Range [s] : 33
 End Analysis Time Range [s] : 137.5
 Ladder Concentration [pg/μl] : 1950
 Uses Standard Area for Ladder Fragments
 Lower Marker Concentration [pg/μl] : 125
 Upper Marker Concentration [pg/μl] : 75
 Used Upper Marker for Quantitation
 Standard Curve Fit is Point to Point
 Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 33.05
 Integration End Time [s] : 137
 Slope Threshold : 0.8
 Height Threshold [FU] : 5
 Area Threshold : 0.1
 Width Threshold [s] : 0.6
 Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
 Polynomial Order : 4

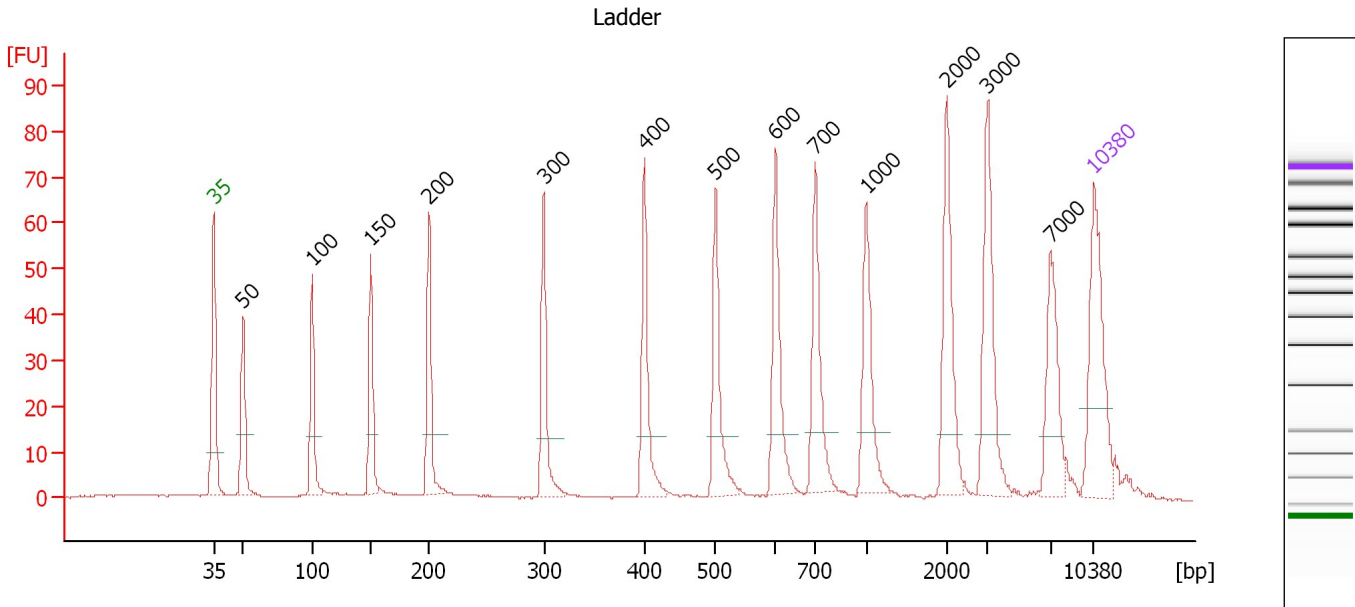
Ladder

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

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Created: 2/14/2014 1:24:33 PM
 Modified: 2/14/2014 2:05:57 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

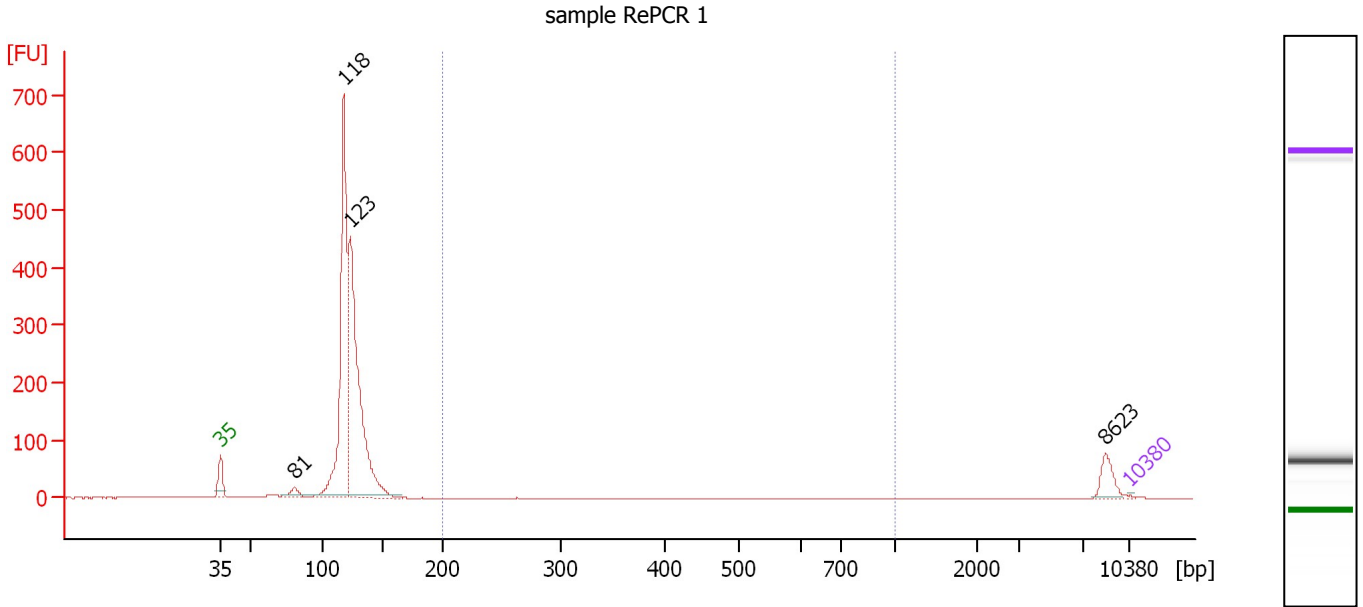
Peak table for Ladder

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	45.33	50	150.00	4,545.5	Ladder Peak
3	50.84	100	150.00	2,272.7	Ladder Peak
4	55.51	150	150.00	1,515.2	Ladder Peak
5	60.13	200	150.00	1,136.4	Ladder Peak
6	69.24	300	150.00	757.6	Ladder Peak
7	77.26	400	150.00	568.2	Ladder Peak
8	82.90	500	150.00	454.5	Ladder Peak
9	87.69	600	150.00	378.8	Ladder Peak
10	90.83	700	150.00	324.7	Ladder Peak
11	94.90	1,000	150.00	227.3	Ladder Peak
12	101.30	2,000	150.00	113.6	Ladder Peak
13	104.56	3,000	150.00	75.8	Ladder Peak
14	109.52	7,000	150.00	32.5	Ladder Peak
15	113.00	10,380	75.00	10.9	Upper Marker

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Created: 2/14/2014 1:24:33 PM
 Modified: 2/14/2014 2:05:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : sample RePCR 1

Number of peaks found: 4 Corr. Area 1: 19.2
 Noise: 0.2

Peak table for sample 1 : sample RePCR 1

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	48.71	81	2,054.34	38,596.7	
3	52.49	118	53,844.74	693,476.7	
4	52.98	123	58,760.48	724,251.9	
5	111.19	8,623	2,698.59	474.2	
6	113.00	10,380	75.00	10.9	Upper Marker

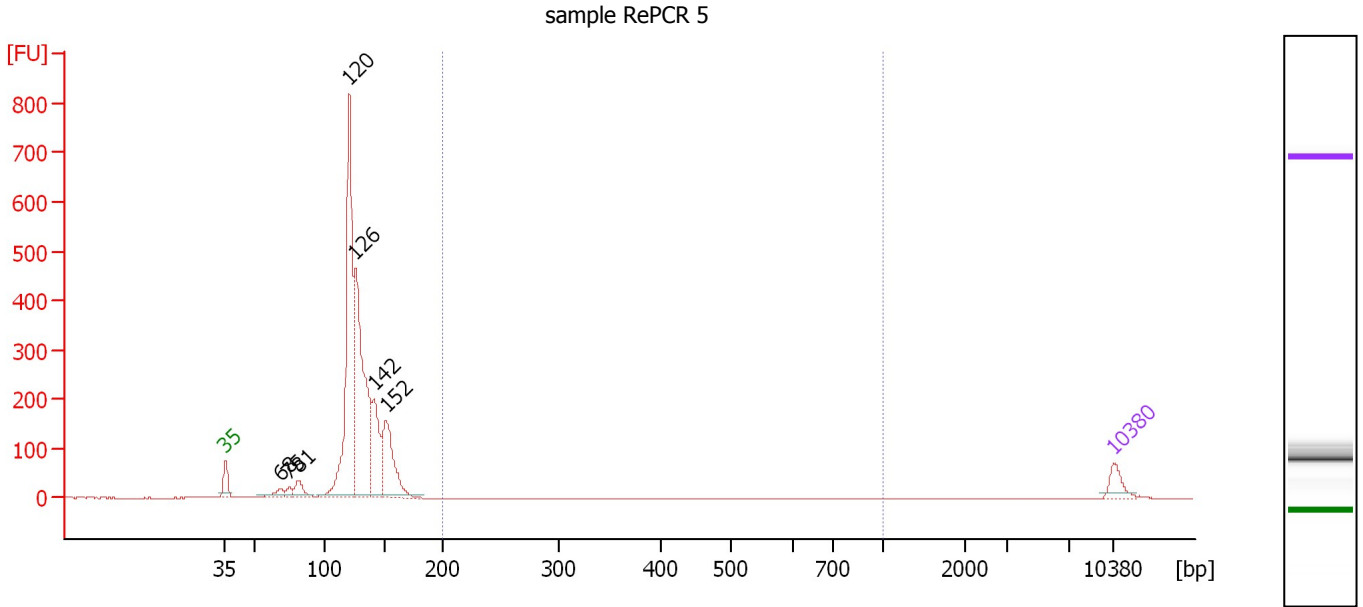
Region table for sample 1 : sample RePCR 1

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	486	3,888.3	921.65	19.2	1	45.1	Blue

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 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-14\2014-02-14_004.xad

Created: 2/14/2014 1:24:33 PM
 Modified: 2/14/2014 2:05:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : sample RePCR 5

Number of peaks found: 7 Corr. Area 1: 2.3
 Noise: 0.1

Peak table for sample 2 : sample RePCR 5

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	47.33	68	62.59	1,392.5	
3	48.04	75	46.08	936.1	
4	48.76	81	112.18	2,096.8	
5	52.75	120	1,868.34	23,509.0	
6	53.25	126	1,654.55	19,924.5	
7	54.72	142	501.48	5,366.5	
8	55.69	152	601.35	5,995.8	
9	113.00	10,380	75.00	10.9	Upper Marker

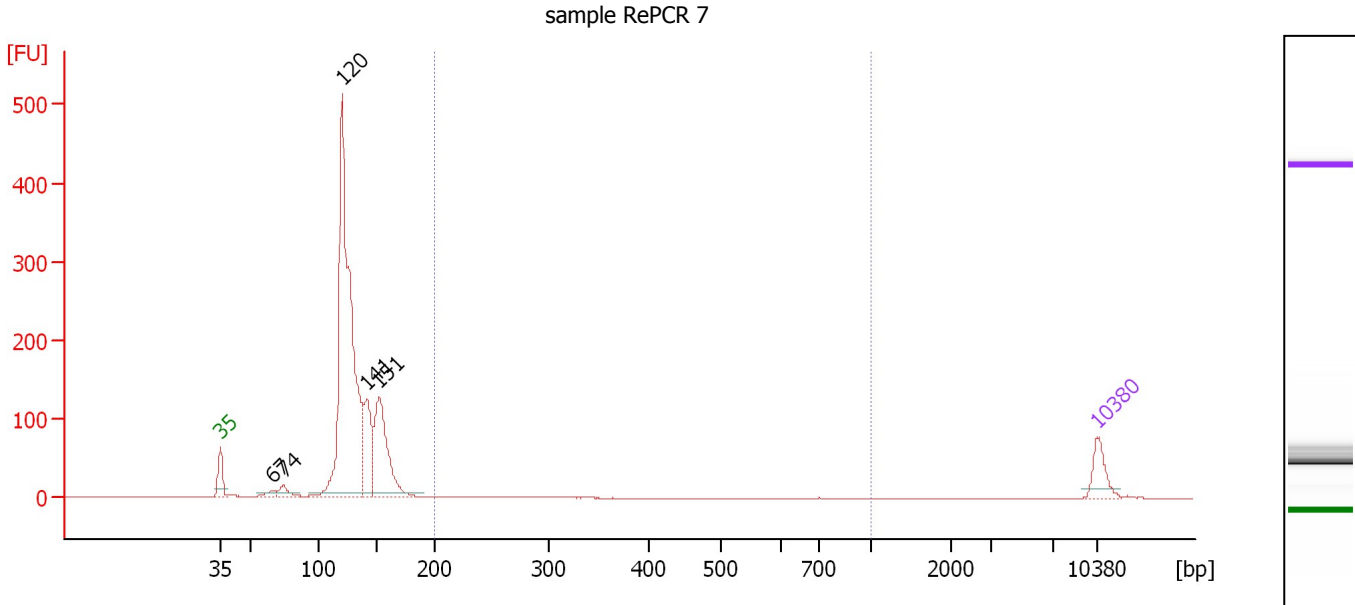
Region table for sample 2 : sample RePCR 5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	474	13.3	3.27	2.3	0	42.4	Blue

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 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-14\2014-02-14_004.xad

Created: 2/14/2014 1:24:33 PM
 Modified: 2/14/2014 2:05:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : sample RePCR 7

Number of peaks found: 5 Corr. Area 1: 0.3
 Noise: 0.2

Peak table for sample 3 : sample RePCR 7

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	47.17	67	23.81	540.8	
3	48.02	74	43.23	880.1	
4	52.71	120	2,025.99	25,583.5	
5	54.67	141	295.90	3,180.0	
6	55.65	151	523.61	5,236.7	
7	113.00	10,380	75.00	10.9	Upper Marker

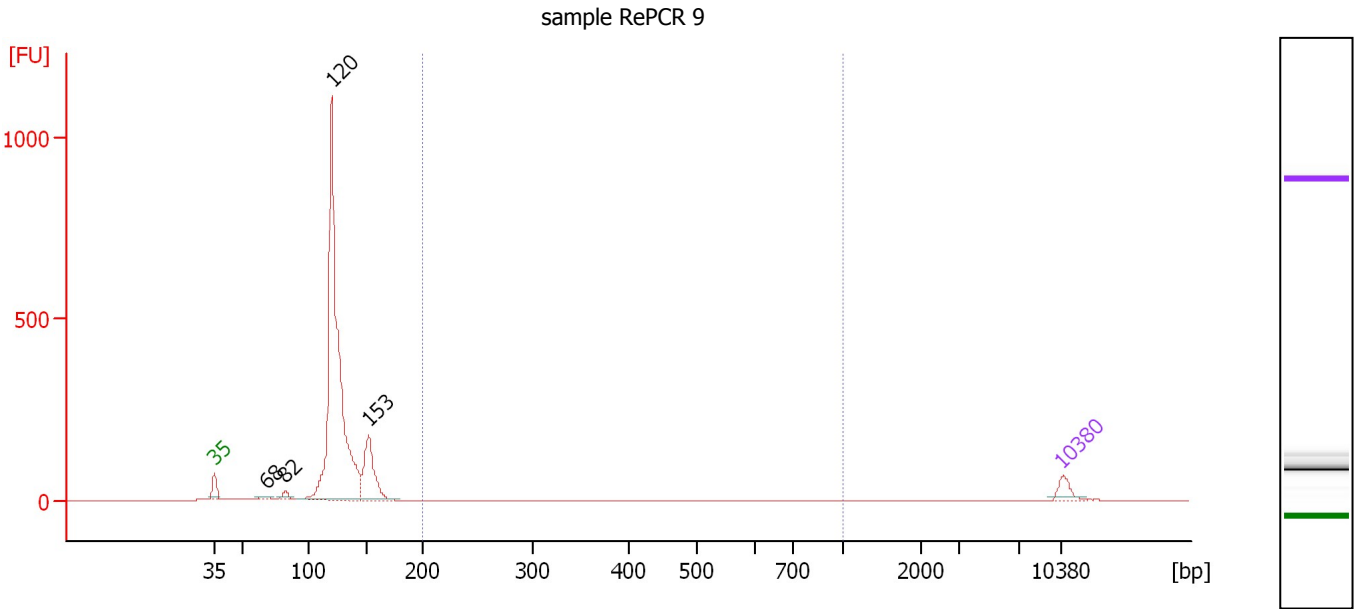
Region table for sample 3 : sample RePCR 7

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	668	1.1	0.38	0.3	0	25.8	Blue

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 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-14\2014-02-14_004.xad

Created: 2/14/2014 1:24:33 PM
 Modified: 2/14/2014 2:05:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : sample RePCR 9

Number of peaks found: 4 Corr. Area 1: 2.3
 Noise: 0.2

Peak table for sample 4 : sample RePCR 9

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	47.34	68	35.57	790.3	
3	48.87	82	64.37	1,188.1	
4	52.68	120	4,082.02	51,671.7	
5	55.75	153	622.15	6,177.6	
6	113.00	10,380	75.00	10.9	Upper Marker

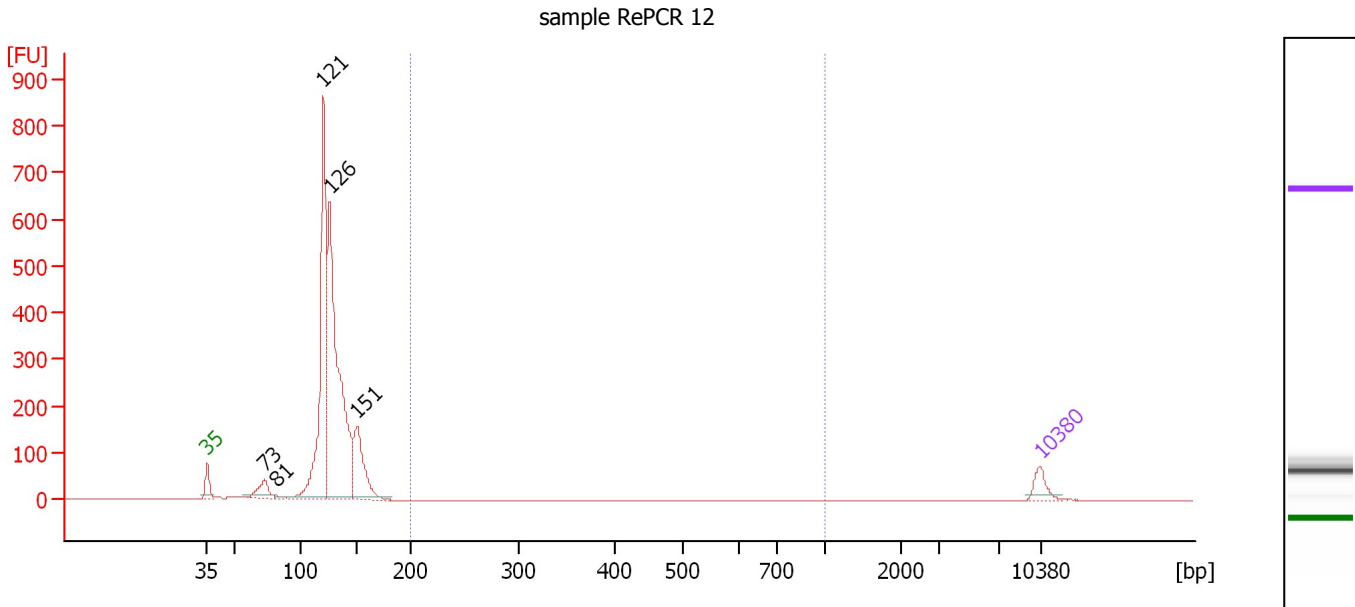
Region table for sample 4 : sample RePCR 9

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	391	16.0	3.46	2.3	0	42.2	Blue

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 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-14\2014-02-14_004.xad

Created: 2/14/2014 1:24:33 PM
 Modified: 2/14/2014 2:05:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : sample RePCR 12

Number of peaks found: 5 Corr. Area 1: 0.9
 Noise: 0.2

Peak table for sample 5 : sample RePCR 12

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	47.84	73	165.77	3,452.5	
3	48.78	81	12.15	226.5	
4	52.77	121	1,895.00	23,798.6	
5	53.31	126	2,463.12	29,522.6	
6	55.59	151	553.92	5,561.0	
7	113.00	10,380	75.00	10.9	Upper Marker

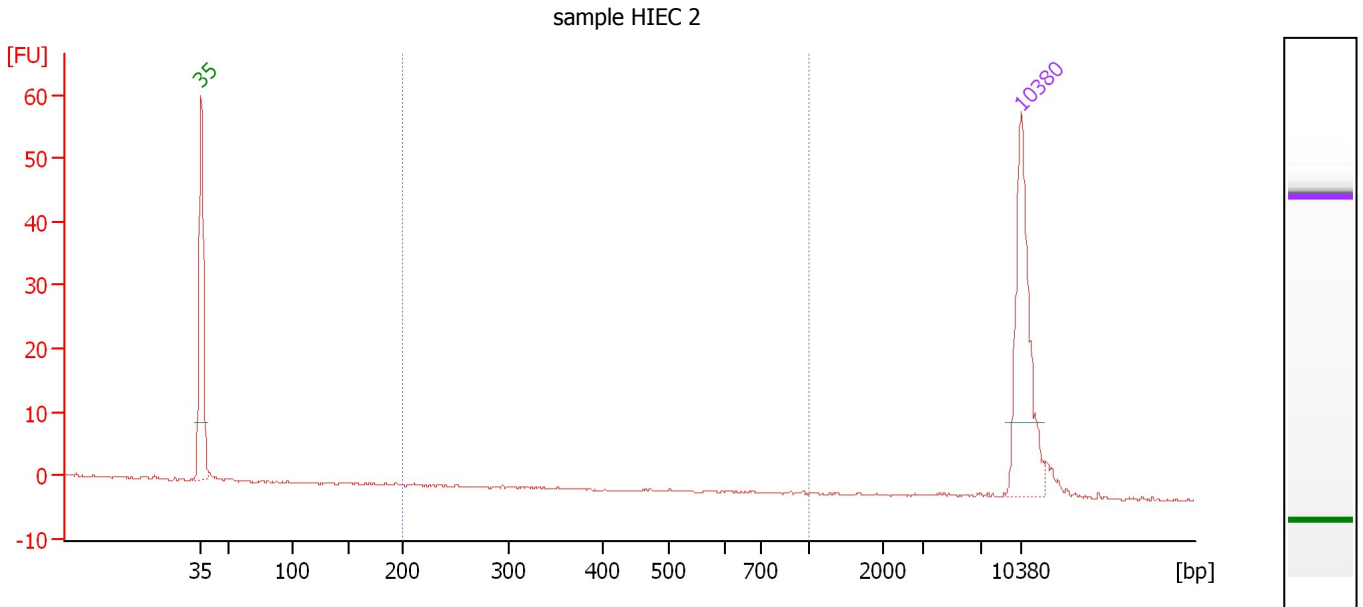
Region table for sample 5 : sample RePCR 12

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	351	6.5	1.39	0.9	0	31.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-14\2014-02-14_004.xad

Created: 2/14/2014 1:24:33 PM
 Modified: 2/14/2014 2:05:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : sample HIEC 2

Number of peaks found: 0 Corr. Area 1: 0.0
 Noise: 0.2

Peak table for sample 6 : sample HIEC 2

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	113.00	10,380	75.00	10.9	Upper Marker

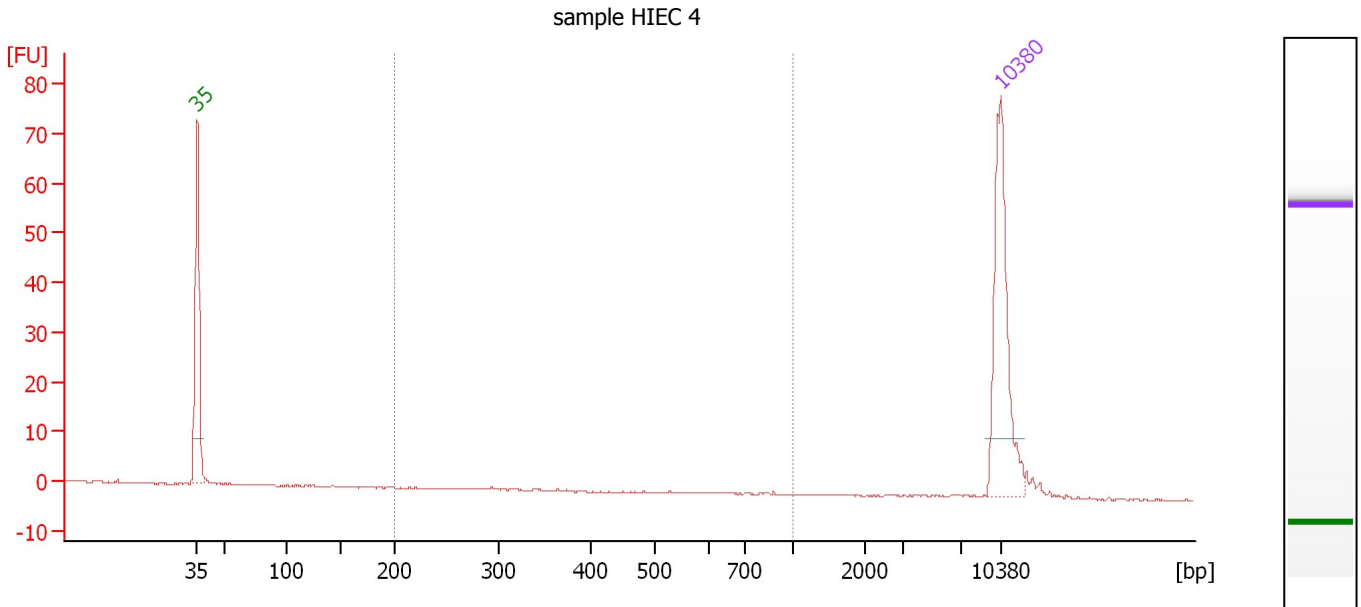
Region table for sample 6 : sample HIEC 2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	928	0.0	0.00	0.0	0	4.1	Blue

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 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-14\2014-02-14_004.xad

Created: 2/14/2014 1:24:33 PM
 Modified: 2/14/2014 2:05:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : sample HIEC 4

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

Peak table for sample 7 : sample HIEC 4

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	113.00	10,380	75.00	10.9	Upper Marker

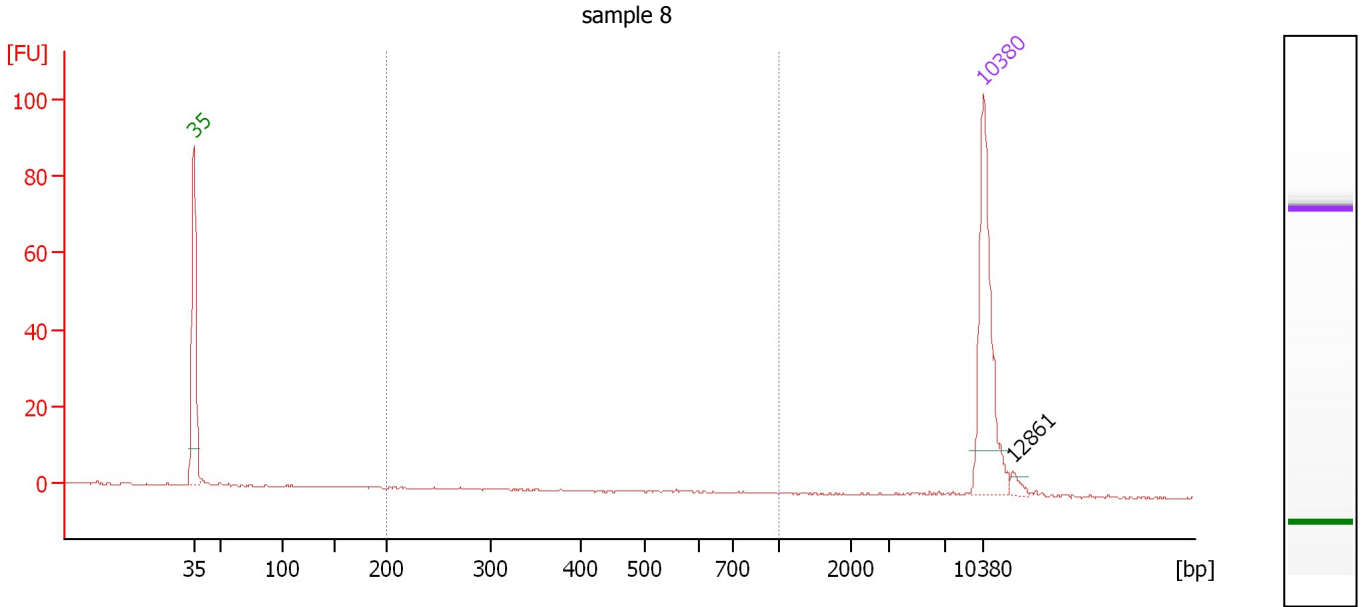
Region table for sample 7 : sample HIEC 4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	641	0.5	0.14	0.1	1	41.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-14\2014-02-14_004.xad

Created: 2/14/2014 1:24:33 PM
 Modified: 2/14/2014 2:05:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : sample 8

Number of peaks found: 1 Corr. Area 1: 0.1
 Noise: 0.2

Peak table for sample 8 : sample 8

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	113.00	10,380	75.00	10.9	Upper Marker
3	115.55	12,861	0.00	0.0	

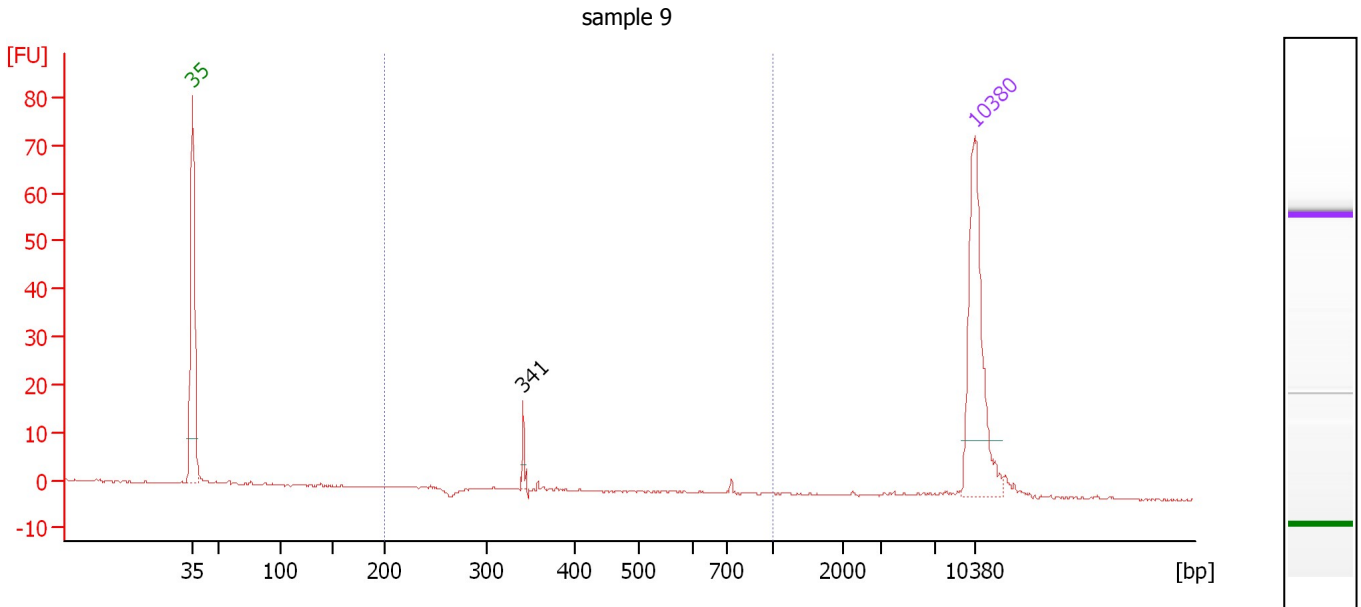
Region table for sample 8 : sample 8

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	512	0.4	0.10	0.1	1	37.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-02-14\2014-02-14_004.xad

Created: 2/14/2014 1:24:33 PM
 Modified: 2/14/2014 2:05:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : sample 9

Number of peaks found: 1 Corr. Area 1: 7.3
 Noise: 0.2

Peak table for sample 9 : sample 9

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	72.56	341	7.75	34.4	
3	113.00	10,380	75.00	10.9	Upper Marker

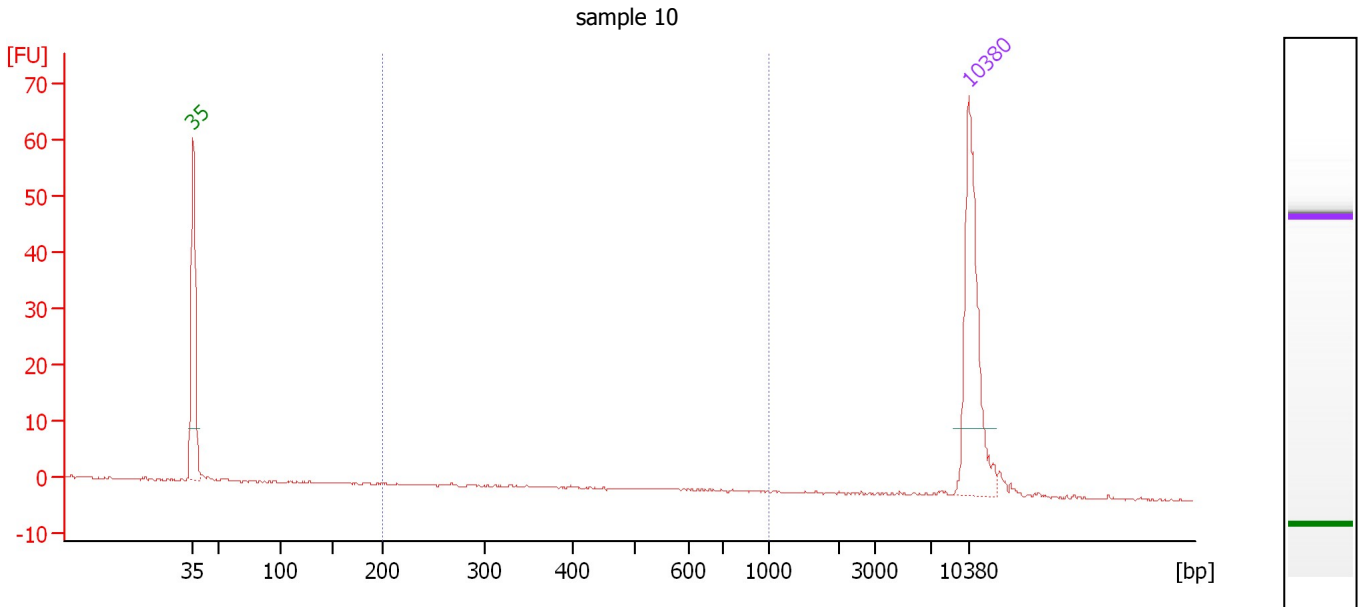
Region table for sample 9 : sample 9

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	385	36.6	8.63	7.3	45	31.3	Blue

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Created: 2/14/2014 1:24:33 PM
 Modified: 2/14/2014 2:05:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : sample 10

Number of peaks found: 0 Corr. Area 1: 3.2
 Noise: 0.1

Peak table for sample 10 : sample 10

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	113.00	10,380	75.00	10.9	Upper Marker

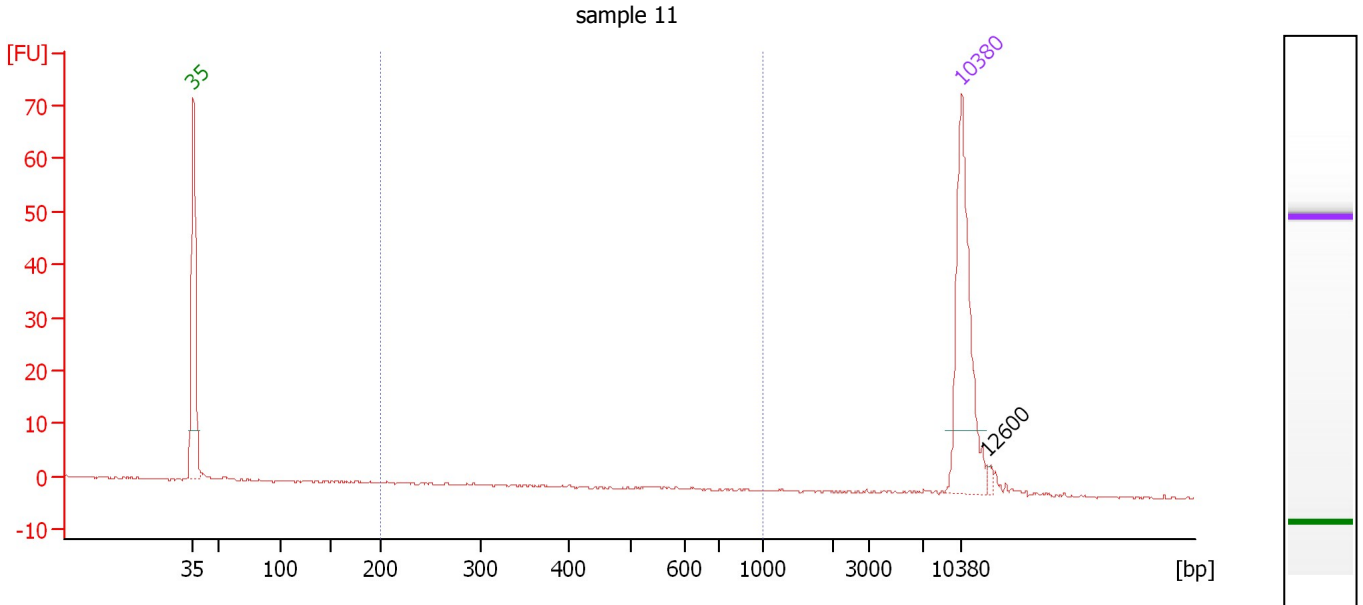
Region table for sample 10 : sample 10

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	487	16.1	4.17	3.2	21	38.6	Blue

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Created: 2/14/2014 1:24:33 PM
 Modified: 2/14/2014 2:05:57 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : sample 11

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

Peak table for sample 11 : sample 11

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	113.00	10,380	75.00	10.9	Upper Marker
3	115.28	12,600	0.00	0.0	

Region table for sample 11 : sample 11

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	1,000	329	1.5	0.27	0.2	2	40.2	Blue

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Created: 2/14/2014 1:24:33 PM
Modified: 2/14/2014 2:05:57 PM

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