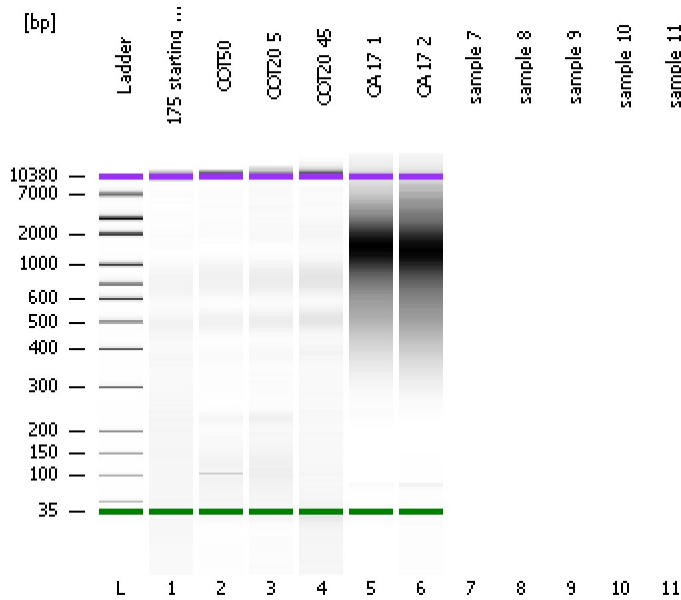


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r\2100 expert\Data\2014-05-08\2014-05-08_001.xad

Created: 5/8/2014 3:09:20 PM
Modified: 5/8/2014 4:41:32 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

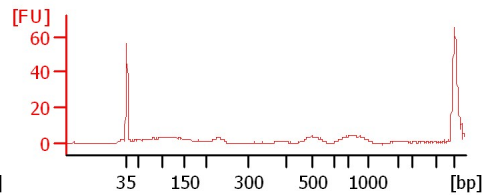
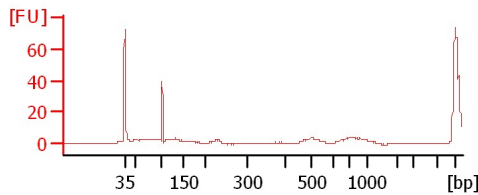
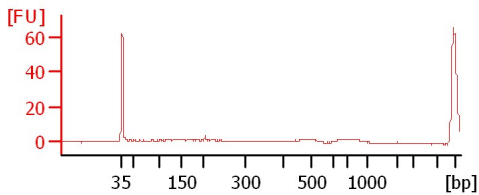
Chip Information:

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

175 starting DNA

COT50

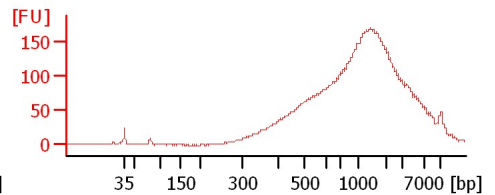
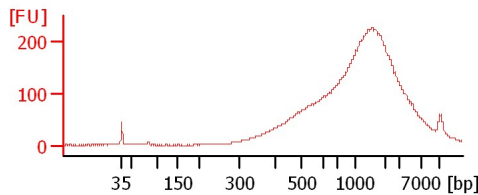
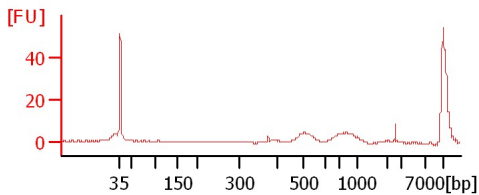
COT20 5



COT20 45

CA 17 1

CA 17 2



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r\2100 expert\Data\2014-05-08\2014-05-08_001.xad

Created: 5/8/2014 3:09:20 PM
 Modified: 5/8/2014 4:41:32 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
175 starting DNA		<input type="checkbox"/>	✓			
COT50		<input type="checkbox"/>	✓			
COT20 5		<input type="checkbox"/>	✓			
COT20 45		<input type="checkbox"/>	✓			
CA 17 1		<input type="checkbox"/>	✓			
CA 17 2		<input type="checkbox"/>	✓			
sample 7		<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 :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r\2100 expert\Data\2014-05-08\2014-05-08\2014-05-08_001.xad

Created: 5/8/2014 3:09:20 PM
Modified: 5/8/2014 4:41:32 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

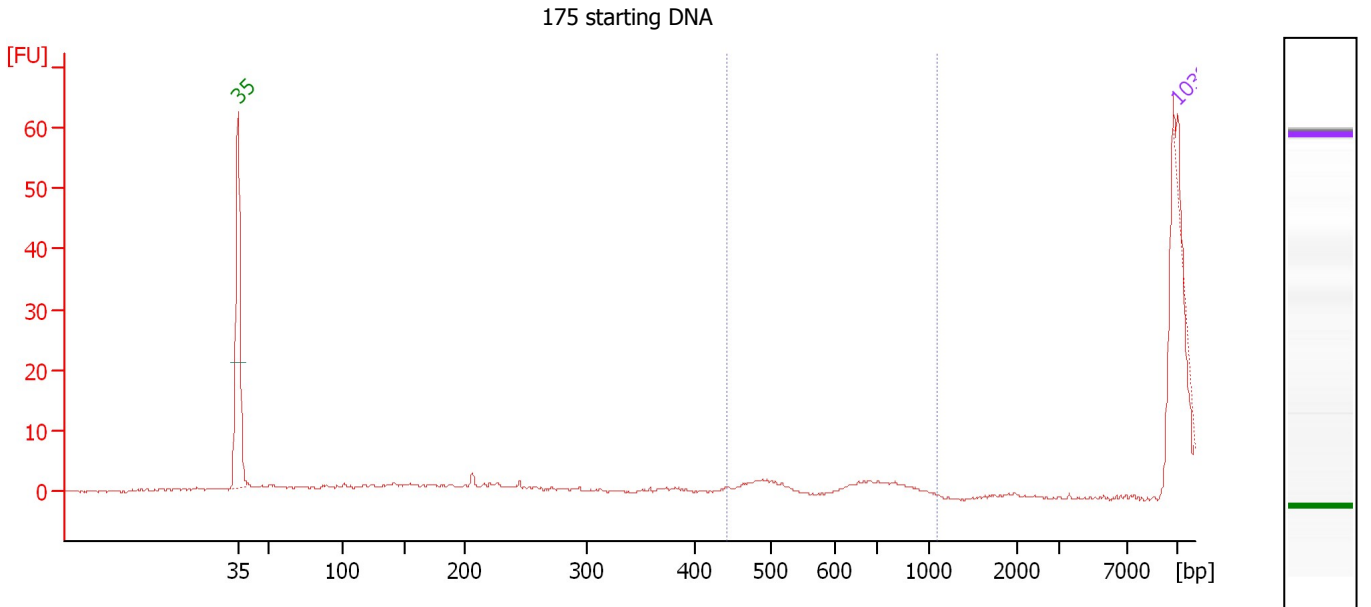
Ladder

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r\2100 expert\Data\2014-05-08\2014-05-08_001.xad

Created: 5/8/2014 3:09:20 PM
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Electropherogram Summary



Overall Results for sample 1 : 175 starting DNA

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

Peak table for sample 1 : 175 starting DNA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	0	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	10,380	75.00	10.9	Upper Marker

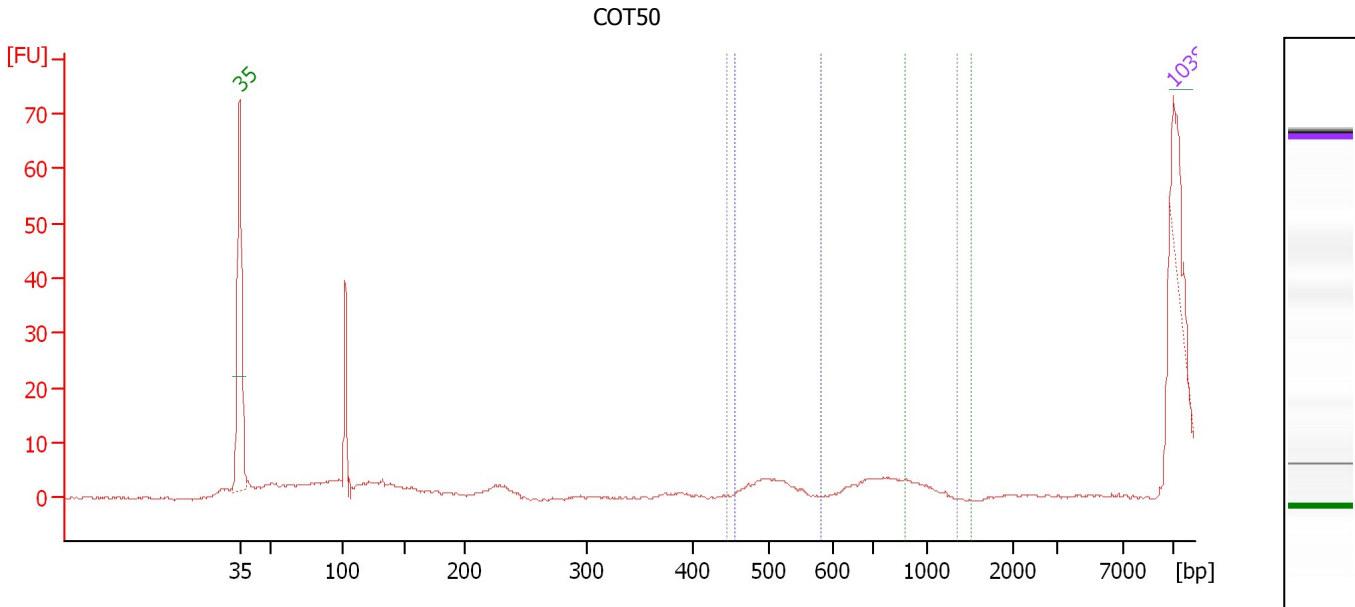
Region table for sample 1 : 175 starting DNA

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
443	1,071	0	0.0	0.00	0.0	0	0.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r\2100 expert\Data\2014-05-08\2014-05-08_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : COT50

Number of peaks found: 0
 Noise: 0.2
 Corr. Area 1: 0.0
 Corr. Area 2: 0.0
 Corr. Area 3: 0.0

Peak table for sample 2 : COT50

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

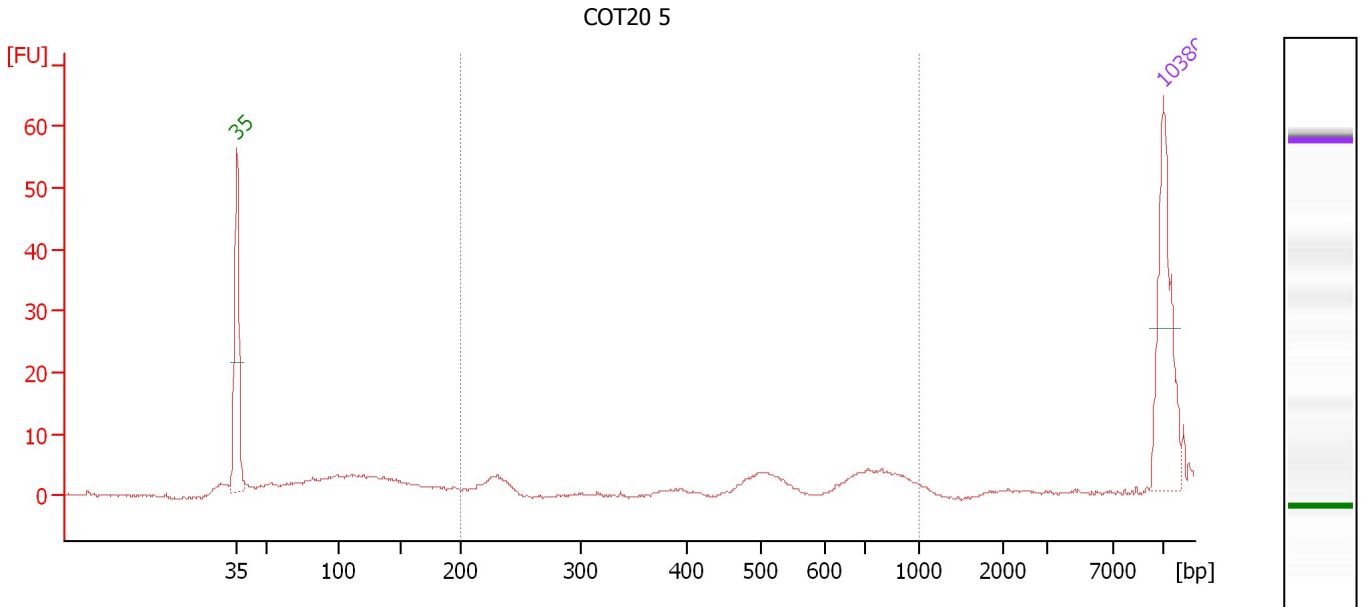
Region table for sample 2 : COT50

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
445	1,342	0	0.0	0.00	0.0	0	0.0
456	583	0	0.0	0.00	0.0	0	0.0
877	1,522	0	0.0	0.00	0.0	0	0.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r\2100 expert\Data\2014-05-08\2014-05-08\2014-05-08_001.xad

Created: 5/8/2014 3:09:20 PM
 Modified: 5/8/2014 4:41:32 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : COT20 5

Number of peaks found: 0 Corr. Area 1: 5.8
 Noise: 0.2

Peak table for sample 3 : COT20 5

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

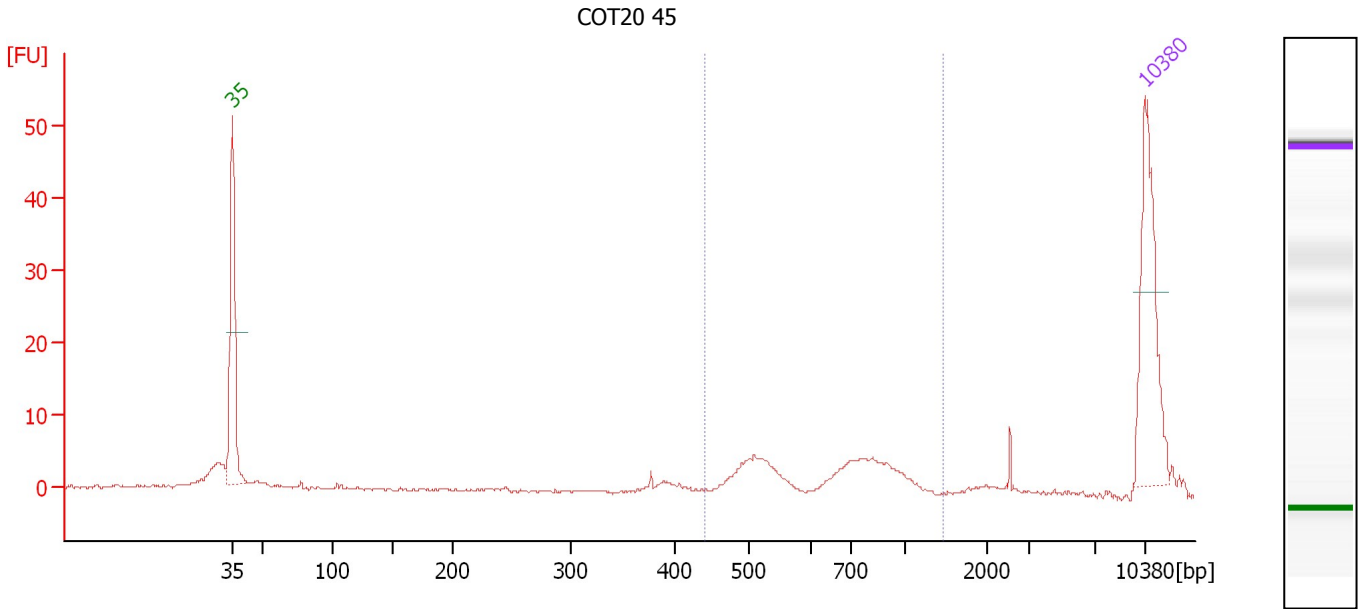
Region table for sample 3 : COT20 5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,000	486	47.4	10.15	5.8	13	46.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r\2100 expert\Data\2014-05-08\2014-05-08_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : COT20 45

Number of peaks found: 0 Corr. Area 1: 58.4
 Noise: 0.2

Peak table for sample 4 : COT20 45

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

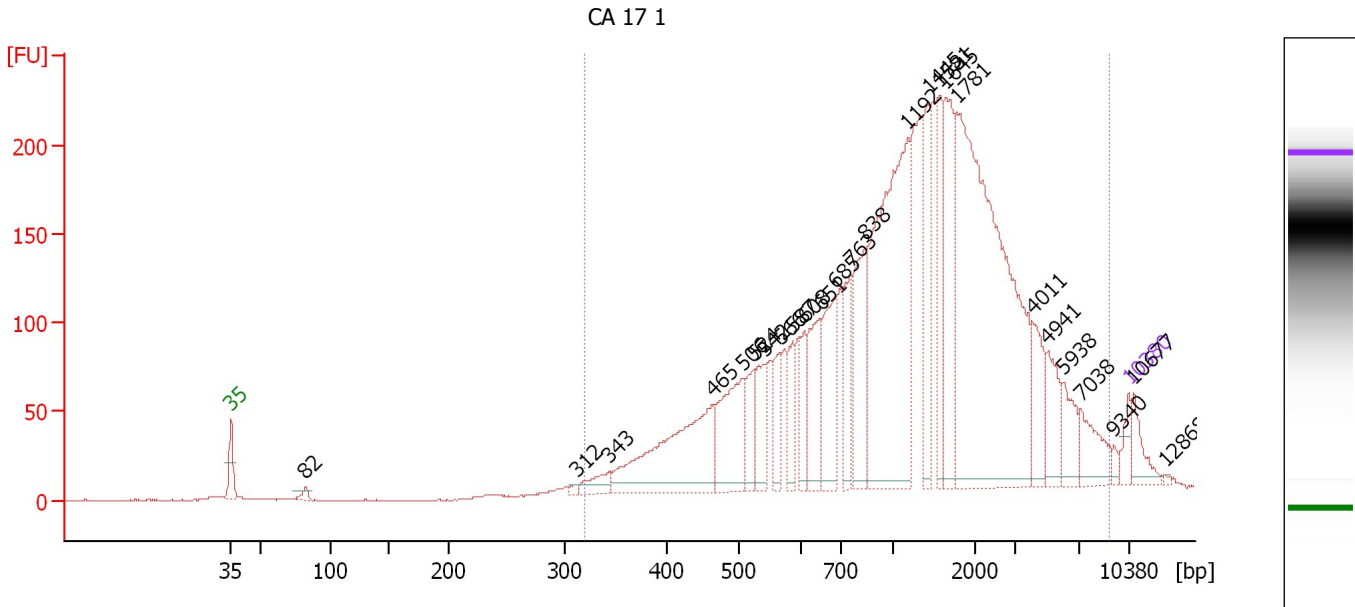
Region table for sample 4 : COT20 45

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
439	1,456	697	218.7	91.63	58.4	49	28.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r\2100 expert\Data\2014-05-08\2014-05-08\2014-05-08_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5 : CA 17 1

Number of peaks found: 26 Corr. Area 1: 4,231.8
 Noise: 0.2

Peak table for sample 5 : CA 17 1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	82	47.00	868.7	
3	312	23.04	111.9	
4	343	122.74	541.8	
5	465	1,087.38	3,545.7	
6	506	578.19	1,730.7	
7	524	227.98	658.6	
8	542	247.02	690.6	
9	566	193.23	517.0	
10	587	200.14	516.4	
11	608	183.42	456.7	
12	651	421.44	980.5	
13	685	470.25	1,040.8	
14	763	330.73	656.4	
15	838	522.97	945.7	
16	1,192	1,789.08	2,273.2	
17	1,445	402.60	422.2	
18	1,581	347.72	333.3	
19	1,645	599.46	552.0	
20	1,781	2,553.68	2,172.2	
21	4,011	233.72	88.3	
22	4,941	228.24	70.0	
23	5,938	171.57	43.8	
24	7,038	202.50	43.6	
25	9,340	26.45	4.3	
26	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r\2100 expert\Data\2014-05-08\2014-05-08\2014-05-08_001.xad

Created: 5/8/2014 3:09:20 PM
Modified: 5/8/2014 4:41:32 PM

Electropherogram Summary Continued ...**... Peak table for sample 5 : CA 17 1**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
27	10,677	0.00	0.0	
28	12,868	0.00	0.0	

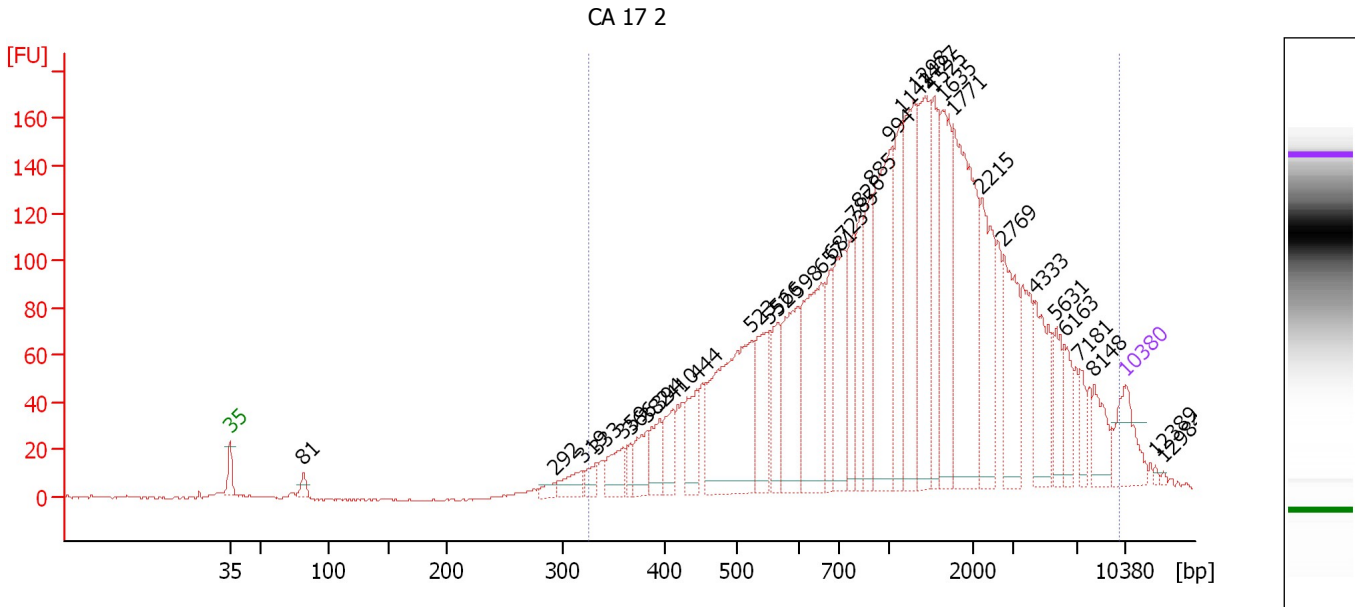
Region table for sample 5 : CA 17 1

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
319	9,087	1,714	21,758.4	12,850.33	 4,231.8	98	89.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r\2100 expert\Data\2014-05-08\2014-05-08\2014-05-08_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 6 : CA 17 2

Number of peaks found: 36 Corr. Area 1: 3,535.1
 Noise: 0.5

Peak table for sample 6 : CA 17 2


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	81	26.28	489.7	
3	292	20.47	106.1	
4	319	48.86	231.8	
5	333	31.95	145.4	
6	359	66.06	278.9	
7	366	27.37	113.4	
8	382	65.61	260.3	
9	394	70.63	271.4	
10	410	69.54	256.7	
11	444	97.77	333.3	
12	523	418.28	1,212.9	
13	552	148.34	407.0	
14	566	105.42	282.1	
15	598	189.48	479.7	
16	657	269.97	623.1	
17	681	92.01	204.8	
18	723	175.77	368.2	
19	785	130.45	251.6	
20	826	106.67	195.7	
21	885	132.31	226.6	
22	994	305.62	466.0	
23	1,142	168.36	223.3	
24	1,298	255.90	298.7	
25	1,427	228.55	242.6	
26	1,525	124.27	123.5	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...r\2100 expert\Data\2014-05-08\2014-05-08\2014-05-08_001.xad

Created: 5/8/2014 3:09:20 PM
 Modified: 5/8/2014 4:41:32 PM

Electropherogram Summary Continued ...

... Peak table for sample 6 : CA 17 2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	1,635	193.37	179.2	
28	1,771	366.89	313.9	
29	2,215	168.47	115.2	
30	2,769	150.28	82.2	
31	4,333	115.96	40.5	
32	5,631	57.67	15.5	
33	6,163	50.24	12.4	
34	7,181	30.39	6.4	
35	8,148	55.69	10.4	
36	 10,380	75.00	10.9	Upper Marker
37	12,389	0.00	0.0	
38	12,984	0.00	0.0	

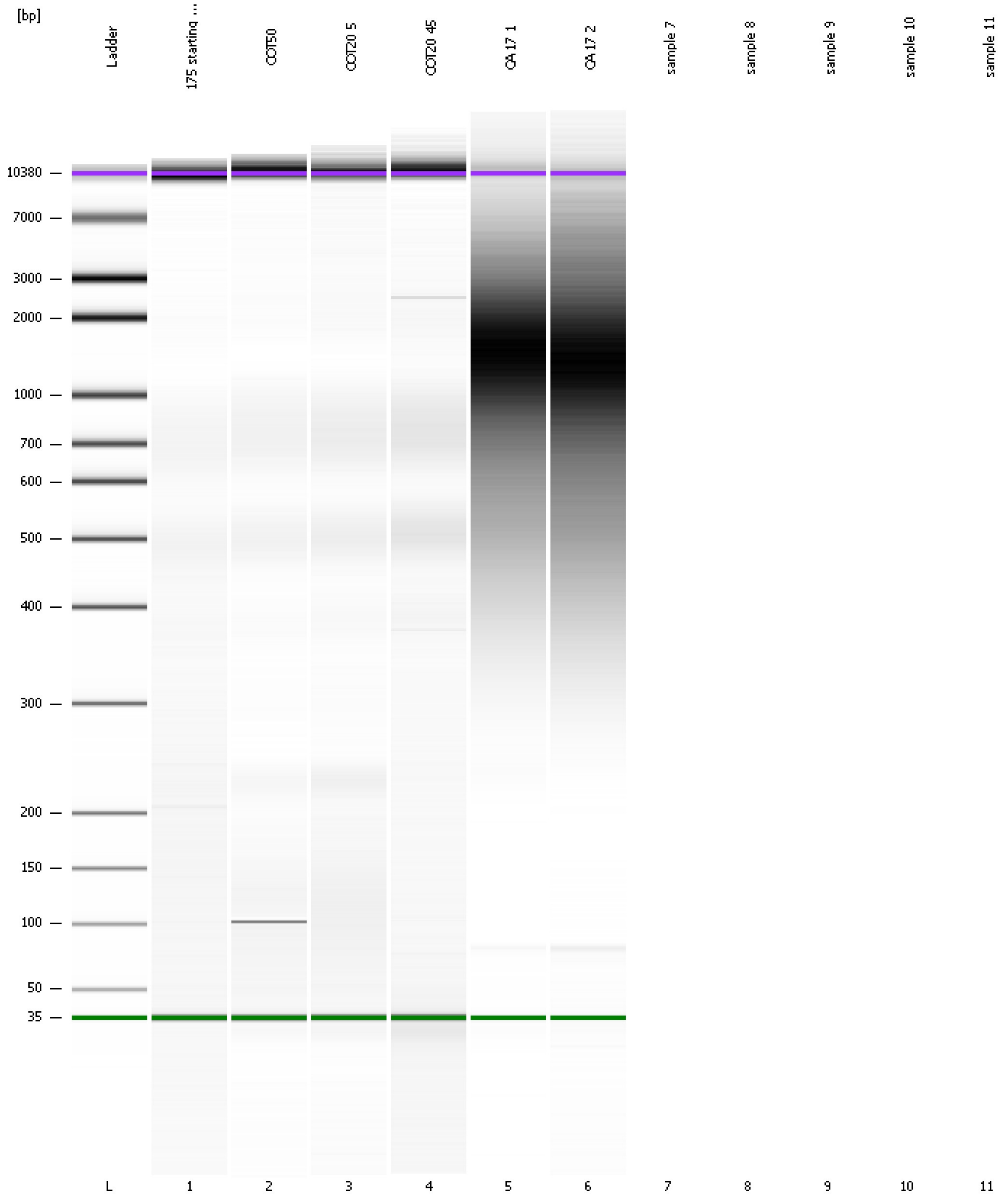
Region table for sample 6 : CA 17 2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
325	9,907	1,819	8,473.5	4,778.18	 3,535.1	99	100.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r\2100 expert\Data\2014-05-08\2014-05-08\2014-05-08_001.xad

Created: 5/8/2014 3:09:20 PM
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Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...r\2100 expert\Data\2014-05-08\2014-05-08\2014-05-08_001.xad

Created: 5/8/2014 3:09:20 PM
Modified: 5/8/2014 4:41:32 PM

Invalid Samples

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

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.