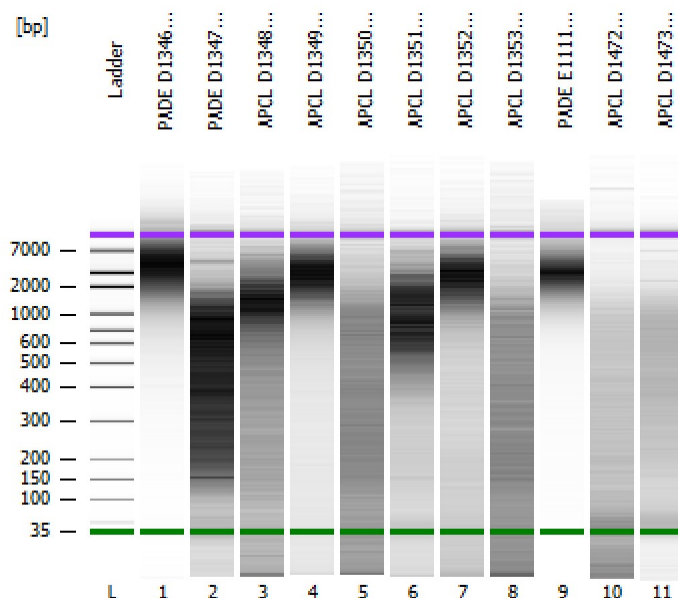


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-12-17_10-40-03.xad

Created: 12/17/2014 10:40:02 AM
 Modified: 3/2/2015 1:41:11 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE04103186 Firmware: C.01.069
 Serial#: DE04103186 Type: G2939A

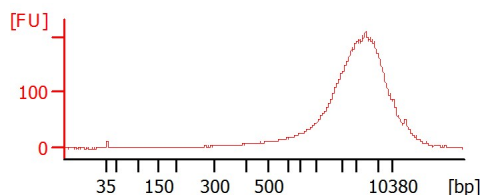
Assay Information:

Assay Origin Path: C:\Program Files (x86)\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

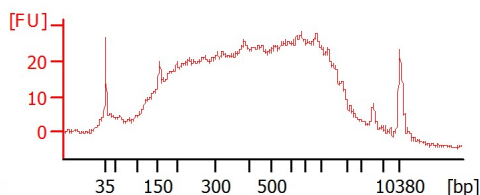
Chip Information:

Chip Lot #:
 Reagent Kit Lot #:
 Chip Comments: Pinsky Lab chip #3 of 3, summer flounder digests

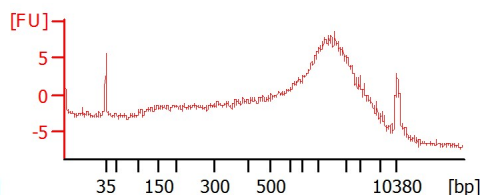
PADE D1346 PstI_EcoRI



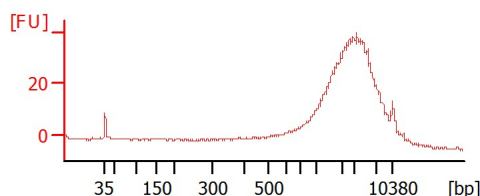
PADE D1347 PstI_MluCI



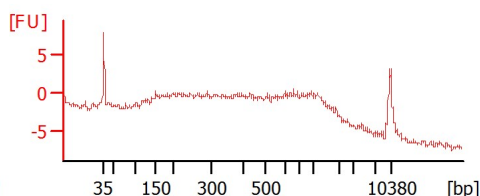
APCL D1348 SbfI



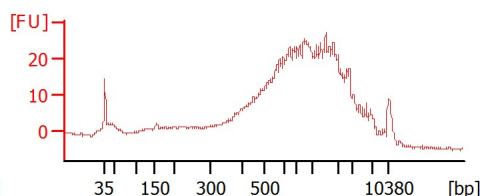
APCL D1349 PstI



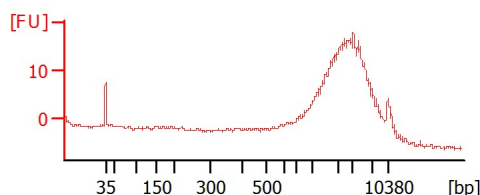
APCL D1350 MluCI



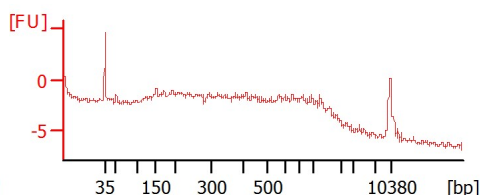
APCL D1351 PstI_MluCI



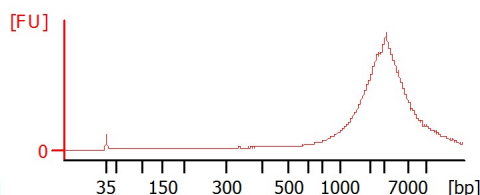
APCL D1352 PstI



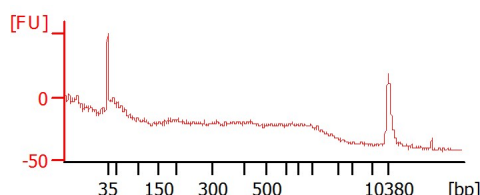
APCL D1353 MluCI



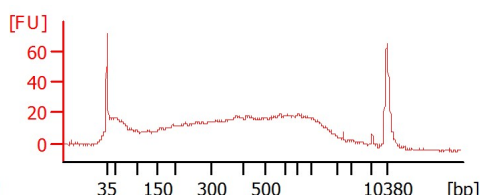
PADE E1111 undigested



APCL D1472 PstI_MluCI



APCL D1473 PstI_MluCI



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-12-17_10-40-03.xad

Created: 12/17/2014 10:40:02 AM
 Modified: 3/2/2015 1:41:11 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
PADE D1346 PstI_EcoRI		<input type="checkbox"/>	✓			
PADE D1347 PstI_MluCI		<input type="checkbox"/>	✓			
APCL D1348 SbfI		<input type="checkbox"/>	✓			
APCL D1349 PstI		<input type="checkbox"/>	✓			
APCL D1350 MluCI		<input type="checkbox"/>	✓			
APCL D1351 PstI_MluCI		<input type="checkbox"/>	✓			
APCL D1352 PstI		<input type="checkbox"/>	✓			
APCL D1353 MluCI		<input type="checkbox"/>	✓			
PADE E1111 undigested		<input type="checkbox"/>	✓			
APCL D1472 PstI_MluCI		<input type="checkbox"/>	✓			
APCL D1473 PstI_MluCI		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Pinsky Lab chip #3 of 3, summer flounder digests

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-12-17_10-40-03.xad

Created: 12/17/2014 10:40:02 AM
Modified: 3/2/2015 1:41:11 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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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

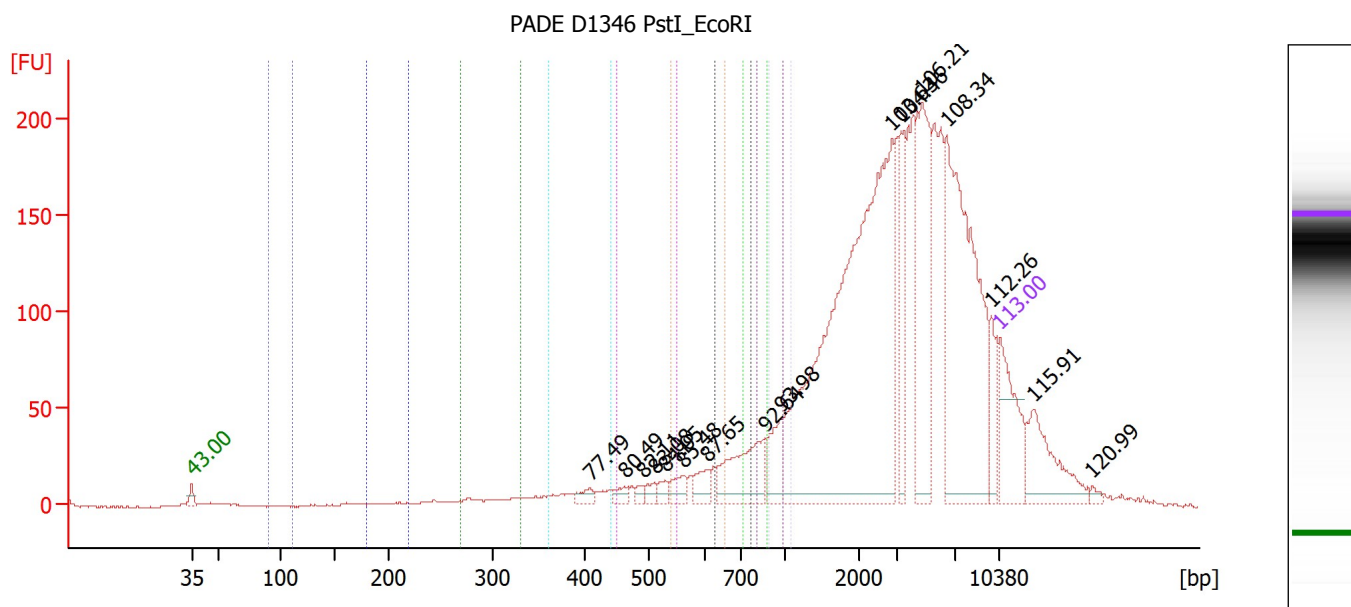
Ladder

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:\...gh Sensitivity DNA Assay_DE04103186_2014-12-17_10-40-03.xad

Created: 12/17/2014 10:40:02 AM
 Modified: 3/2/2015 1:41:11 PM

Electropherogram Summary



Overall Results for sample 1 : PADE D1346 PstI EcoRI

Number of peaks found:	16	Corr. Area 5:	67.4
Noise:	0.5	Corr. Area 6:	92.1
Corr. Area 1:	0.0	Corr. Area 7:	84.2
Corr. Area 2:	4.3	Corr. Area 8:	69.0
Corr. Area 3:	21.1	Corr. Area 9:	91.9
Corr. Area 4:	45.8	Corr. Area 10:	89.2

Peak table for sample 1 : PADE D1346 PstI EcoRI

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	407	11.40	42.4	
3	461	11.24	37.0	
4	490	6.89	21.3	
5	509	10.17	30.3	
6	529	10.14	29.0	
7	560	18.32	49.6	
8	609	20.23	50.3	
9	869	85.04	148.3	
10	974	41.76	65.0	
11	2,886	618.93	325.0	
12	3,354	65.77	29.7	
13	4,721	163.20	52.4	
14	6,376	314.83	74.8	
15	9,733	32.61	5.1	
16	10,380	75.00	10.9	Upper Marker
17	12,926	0.00	0.0	
18	17,371	0.00	0.0	











Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-12-17_10-40-03.xad

Created: 12/17/2014 10:40:02 AM
 Modified: 3/2/2015 1:41:11 PM

Electropherogram Summary Continued ...

... Region table for sample 1 :

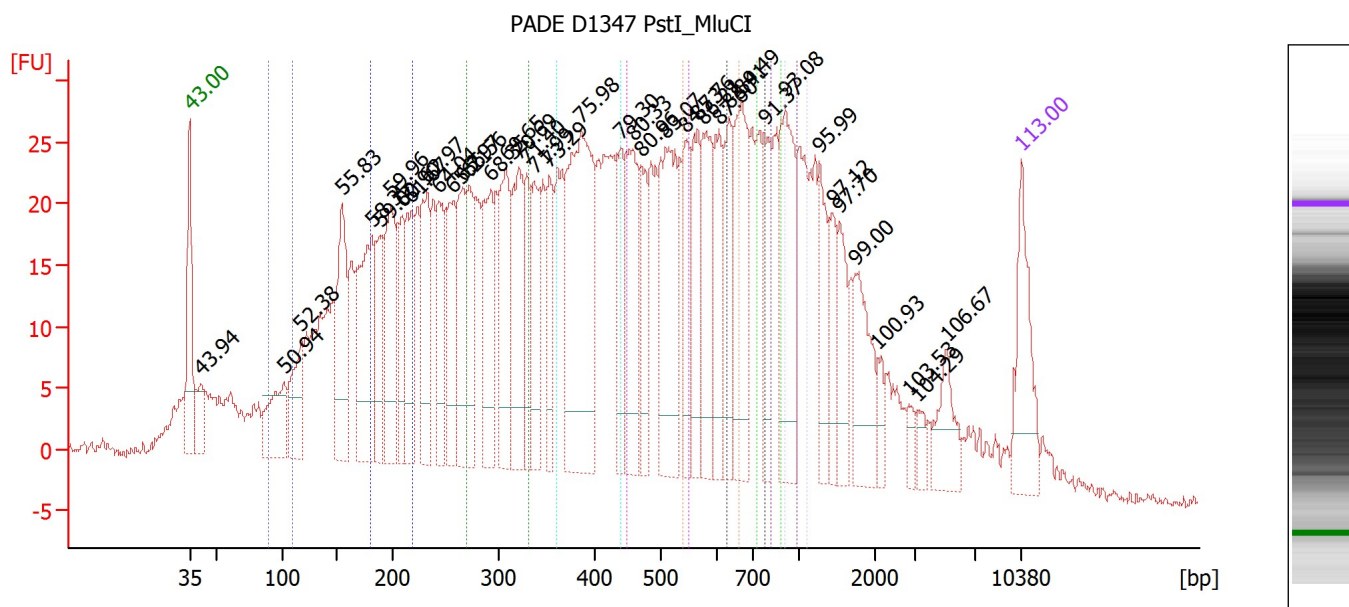
PADE D1346 PstI EcoRI

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Co lor
90	110	0.0	0	0	0.0	0.00	0.0	
180	220	4.3	0	203	5.3	4.28	32.1	
270	330	21.1	1	300	6.0	18.62	94.5	
360	440	45.8	1	399	5.7	36.23	138.0	
450	550	67.4	2	501	5.8	51.88	157.6	
540	660	92.1	3	598	5.8	66.76	169.9	
630	770	84.2	3	688	5.6	61.60	136.2	
720	880	69.0	2	801	5.9	49.03	93.2	
810	990	91.9	3	902	5.8	62.51	105.5	
900	1,100	89.2	3	985	5.6	58.83	90.8	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-12-17_10-40-03.xad

Created: 12/17/2014 10:40:02 AM
 Modified: 3/2/2015 1:41:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : PADE D1347 PstI MluCI

Number of peaks found:	41	Corr. Area 5:	168.2
Noise:	0.6	Corr. Area 6:	156.9
Corr. Area 1:	24.3	Corr. Area 7:	102.8
Corr. Area 2:	127.8	Corr. Area 8:	64.5
Corr. Area 3:	179.7	Corr. Area 9:	74.6
Corr. Area 4:	194.0	Corr. Area 10:	59.9

Peak table for sample 2 : PADE D1347 PstI MluCI

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	41	52.36	1,925.7	
3	102	105.99	1,576.3	
4	117	96.34	1,244.4	
5	154	169.46	1,662.0	
6	182	212.67	1,773.0	
7	189	96.46	773.1	
8	199	154.60	1,175.5	
9	210	85.01	614.3	
10	218	111.23	772.6	
11	233	126.28	822.9	
12	244	101.67	630.2	
13	257	117.63	692.6	
14	266	113.72	648.3	
15	272	100.24	557.9	
16	292	128.65	667.4	
17	307	131.65	649.1	
18	320	140.14	663.3	
19	329	74.18	341.6	
20	336	88.21	397.4	
21	353	75.38	324.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-12-17_10-40-03.xad











Created: 12/17/2014 10:40:02 AM
 Modified: 3/2/2015 1:41:11 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : PADE D1347 PstI MluCI

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
22	386	315.43	1,237.9	
23	439	73.01	251.7	
24	458	128.09	423.7	
25	469	72.37	233.7	
26	508	185.77	553.6	
27	544	76.84	214.1	
28	566	85.27	228.4	
29	575	108.36	285.4	
30	607	77.03	192.1	
31	633	79.10	189.2	
32	668	145.90	331.0	
33	770	70.90	139.6	
34	904	143.30	240.3	
35	1,264	59.46	71.3	
36	1,439	41.41	43.6	
37	1,530	56.22	55.7	
38	1,733	74.39	65.0	
39	2,066	18.12	13.3	
40	2,857	11.10	5.9	
41	3,227	11.48	5.4	
42	5,080	44.86	13.4	
43	10,380	75.00	10.9	Upper Marker

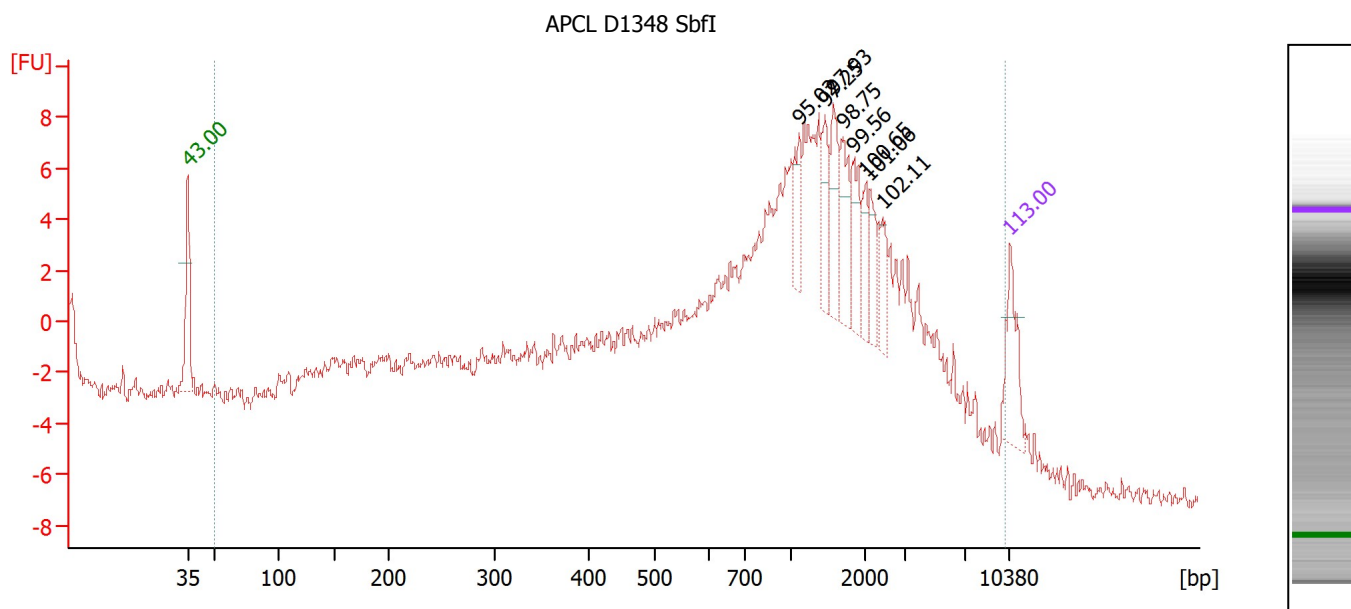
Region table for sample 2 : PADE D1347 PstI MluCI

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
90	110	24.3	1	100	5.8	119.13	1,812.5	
180	220	127.8	7	200	5.9	542.58	4,129.9	
270	330	179.7	10	299	5.8	681.20	3,463.7	
360	440	194.0	11	396	5.8	660.82	2,537.8	
450	550	168.2	10	497	5.9	556.98	1,704.6	
540	660	156.9	9	593	5.8	488.67	1,253.3	
630	770	102.8	6	683	5.4	322.57	717.9	
720	880	64.5	4	796	5.9	197.08	376.7	
810	990	74.6	4	896	5.9	218.32	370.6	
900	1,100	59.9	3	978	5.7	169.91	264.2	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-12-17_10-40-03.xad

Created: 12/17/2014 10:40:02 AM
 Modified: 3/2/2015 1:41:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : APCL D1348 SbfI

Number of peaks found: 8 Corr. Area 1: 346.3
 Noise: 0.4

Peak table for sample 3 : APCL D1348 SbfI

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	1,112	52.35	71.3	
3	1,459	56.70	58.9	
4	1,566	70.34	68.1	
5	1,693	72.32	64.7	
6	1,821	62.12	51.7	
7	1,991	36.48	27.8	
8	2,106	37.91	27.3	
9	2,423	42.02	26.3	
10	10,380	75.00	10.9	Upper Marker

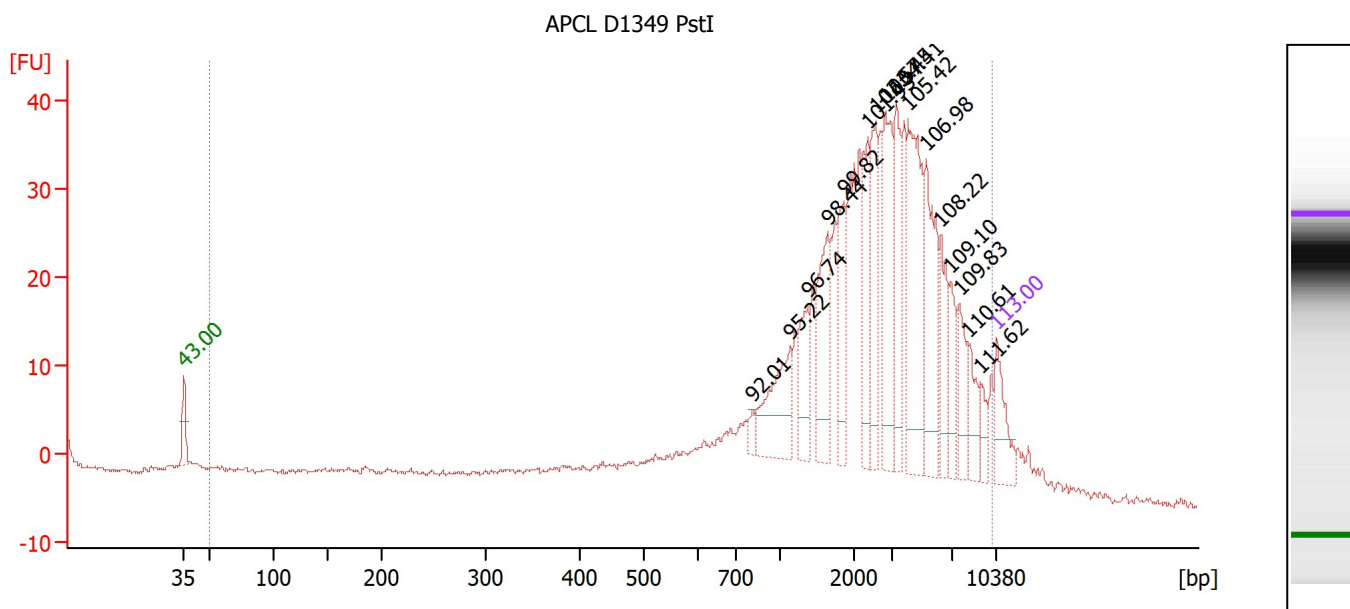
Region table for sample 3 : APCL D1348 SbfI

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
50	10,000	346.3	99	1,547	100.0	4,519.58	14,156.0	■

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-12-17_10-40-03.xad

Created: 12/17/2014 10:40:02 AM
 Modified: 3/2/2015 1:41:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : APCL D1349 PstI

Number of peaks found: 16 Corr. Area 1: 629.9
 Noise: 0.2

Peak table for sample 4 : APCL D1349 PstI

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	820	17.90	33.1	
3	1,144	148.42	196.6	
4	1,380	91.18	100.1	
5	1,645	158.06	145.5	
6	1,860	114.39	93.2	
7	2,370	129.54	82.8	
8	2,566	136.20	80.4	
9	2,831	182.52	97.7	
10	3,318	129.92	59.3	
11	4,105	253.82	93.7	
12	5,321	186.57	53.1	
13	6,287	94.64	22.8	
14	6,967	67.08	14.6	
15	7,606	71.05	14.2	
16	8,290	58.66	10.7	
17	9,174	28.84	4.8	
18	10,380	75.00	10.9	Upper Marker

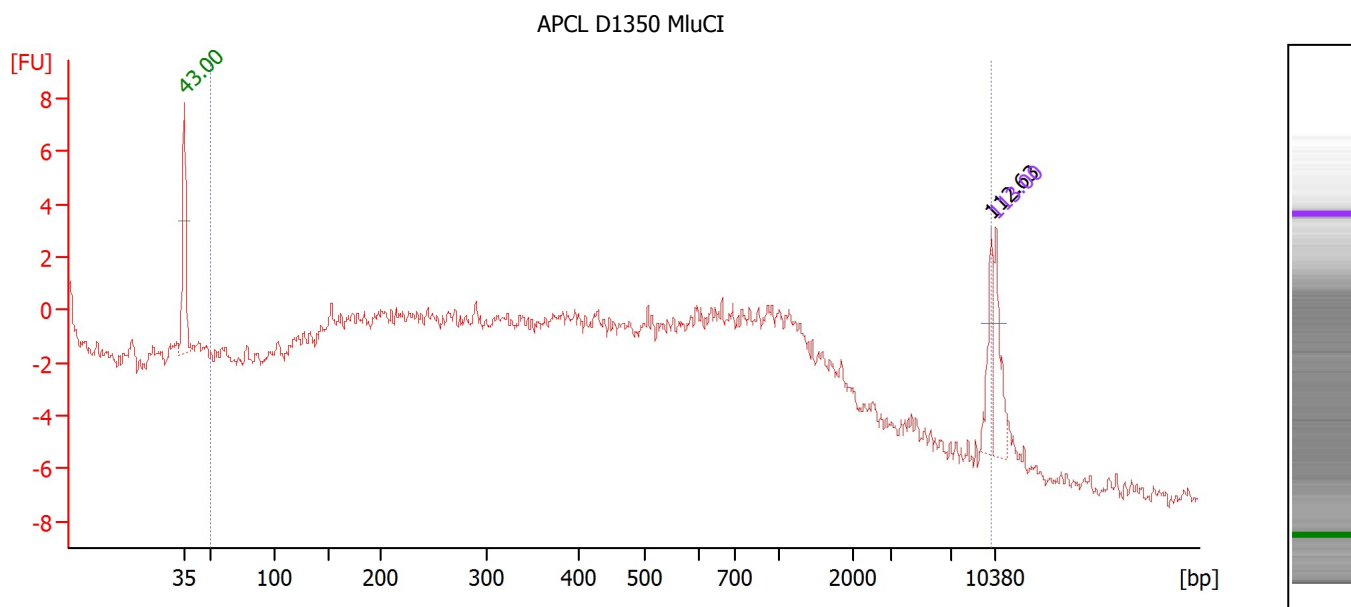
Region table for sample 4 : APCL D1349 PstI

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
50	10,000	629.9	97	3,203	71.7	3,243.63	3,588.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-12-17_10-40-03.xad

Created: 12/17/2014 10:40:02 AM
 Modified: 3/2/2015 1:41:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : APCL D1350 MluCI

Number of peaks found: 1 Corr. Area 1: 240.1
 Noise: 0.4

Peak table for sample 5 : APCL D1350 MluCI

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,058	63.12	9.5	
3	10,380	75.00	10.9	Upper Marker

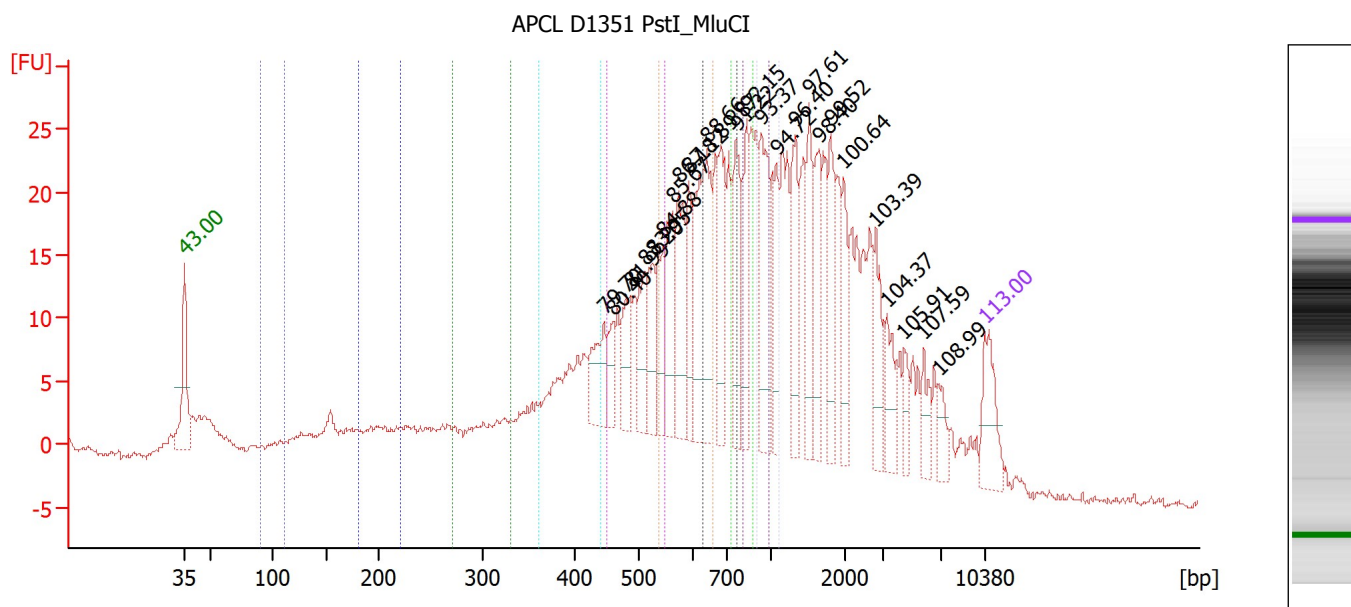
Region table for sample 5 : APCL D1350 MluCI

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
50	10,000	240.1	97	991	100.0	5,251.02	26,275.1	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-12-17_10-40-03.xad

Created: 12/17/2014 10:40:02 AM
 Modified: 3/2/2015 1:41:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : APCL D1351 PstI MluCI

Number of peaks found:	25	Corr. Area 5:	94.6
Noise:	0.3	Corr. Area 6:	122.6
Corr. Area 1:	5.5	Corr. Area 7:	89.0
Corr. Area 2:	18.4	Corr. Area 8:	58.8
Corr. Area 3:	27.4	Corr. Area 9:	68.8
Corr. Area 4:	60.1	Corr. Area 10:	54.4

Peak table for sample 6 : APCL D1351 PstI MluCI

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	447	98.16	333.0	
3	459	43.09	142.2	
4	488	76.30	237.1	
5	511	88.13	261.2	
6	527	85.62	246.1	
7	547	84.71	234.7	
8	564	120.96	325.0	
9	575	130.41	343.8	
10	595	85.88	218.8	
11	641	267.95	633.1	
12	680	119.72	266.7	
13	758	136.78	273.5	
14	831	107.86	196.6	
15	926	173.37	283.6	
16	1,065	89.72	127.7	
17	1,327	111.06	126.8	
18	1,516	93.65	93.6	
19	1,640	105.50	97.5	
20	1,814	97.25	81.2	
21	1,989	75.42	57.4	











Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-12-17_10-40-03.xad

Created: 12/17/2014 10:40:02 AM
 Modified: 3/2/2015 1:41:11 PM

Electropherogram Summary Continued ...**... Peak table for sample 6 : APCL D1351 PstI MluCI**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
22	2,815	74.36	40.0	
23	3,288	57.60	26.5	
24	4,487	29.82	10.1	
25	5,794	37.43	9.8	
26	6,884	29.73	6.5	
27	10,380	75.00	10.9	Upper Marker

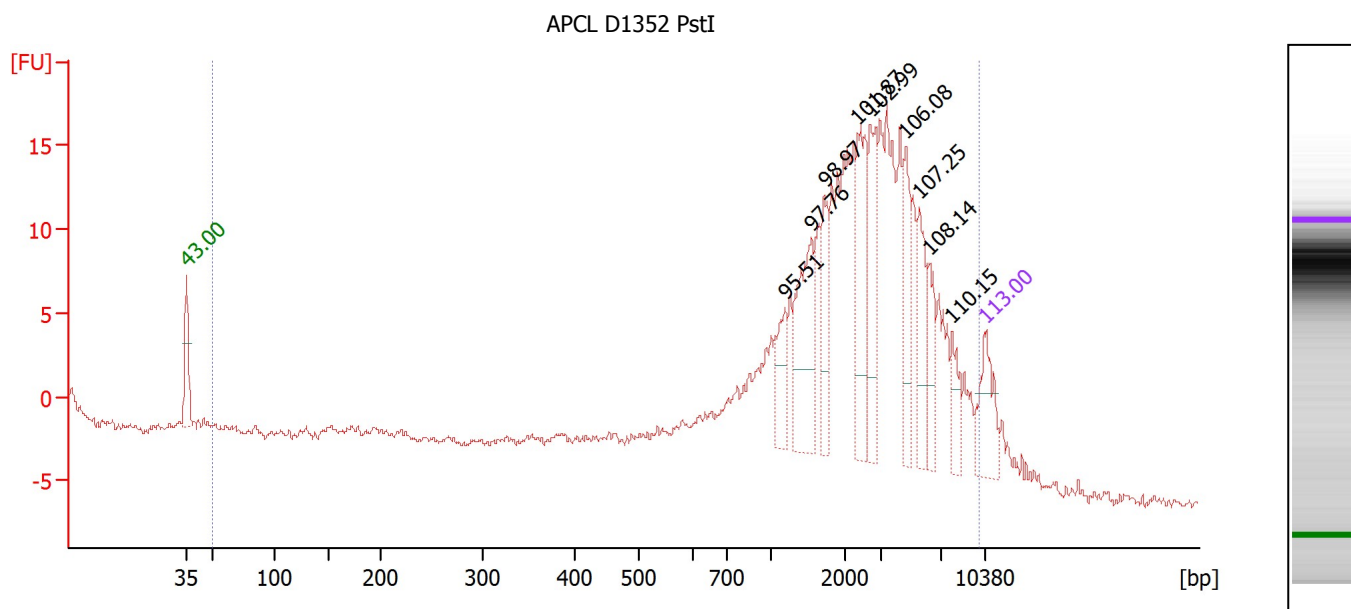
Region table for sample 6 : APCL D1351 PstI MluCI

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
90	110	5.5	1	100	5.9	55.07	836.9	
180	220	18.4	2	200	5.8	160.76	1,223.0	
270	330	27.4	3	300	5.8	213.18	1,080.2	
360	440	60.1	7	400	5.7	419.98	1,597.5	
450	550	94.6	11	501	5.8	642.78	1,952.4	
540	660	122.6	14	596	5.8	783.99	2,000.5	
630	770	89.0	10	683	5.5	574.19	1,277.9	
720	880	58.8	7	798	5.8	368.91	703.1	
810	990	68.8	8	895	5.8	414.03	704.0	
900	1,100	54.4	6	978	5.7	317.20	493.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-12-17_10-40-03.xad

Created: 12/17/2014 10:40:02 AM
 Modified: 3/2/2015 1:41:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : APCL D1352 PstI

Number of peaks found: 9 Corr. Area 1: 322.0
 Noise: 0.3

Peak table for sample 7 : APCL D1352 PstI

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	1,188	68.70	87.6	
3	1,539	156.98	154.6	
4	1,728	71.43	62.6	
5	2,352	148.79	95.8	
6	2,693	101.16	56.9	
7	4,617	78.87	25.9	
8	5,528	84.63	23.2	
9	6,220	56.55	13.8	
10	7,884	42.47	8.2	
11	10,380	75.00	10.9	Upper Marker

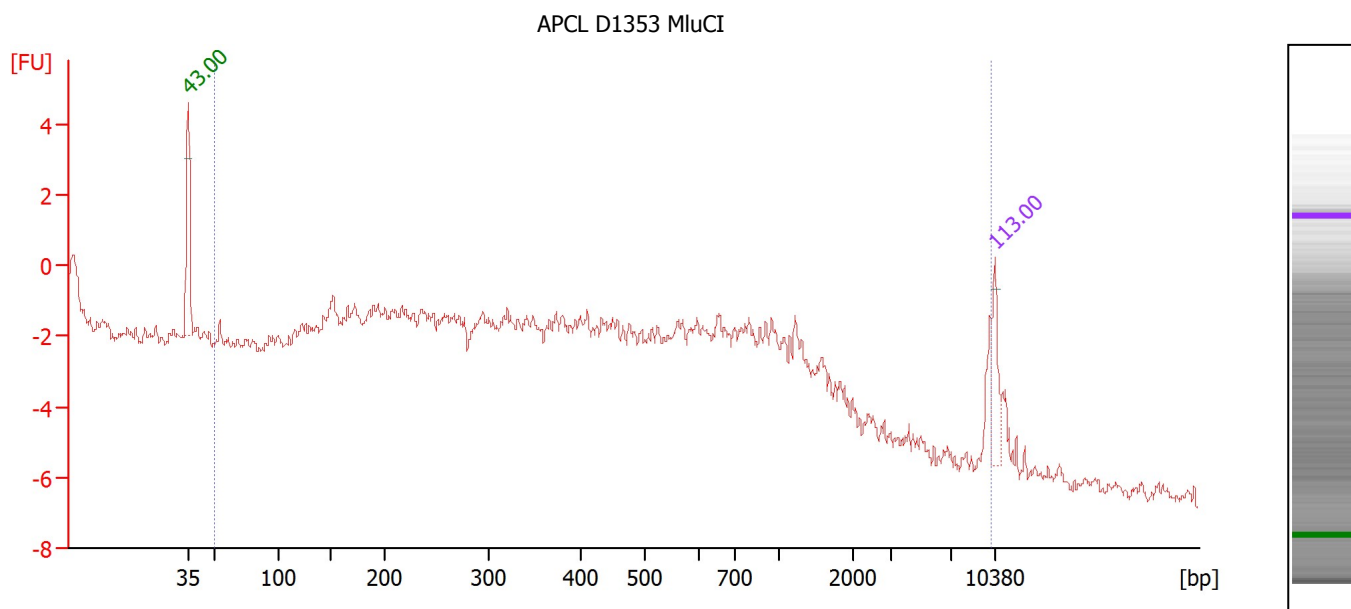
Region table for sample 7 : APCL D1352 PstI

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
50	10,000	322.0	97	3,000	74.5	2,405.28	2,989.7	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-12-17_10-40-03.xad

Created: 12/17/2014 10:40:02 AM
 Modified: 3/2/2015 1:41:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : APCL D1353 MluCI

Number of peaks found: 0 Corr. Area 1: 90.1
 Noise: 0.3

Peak table for sample 8 : APCL D1353 MluCI

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

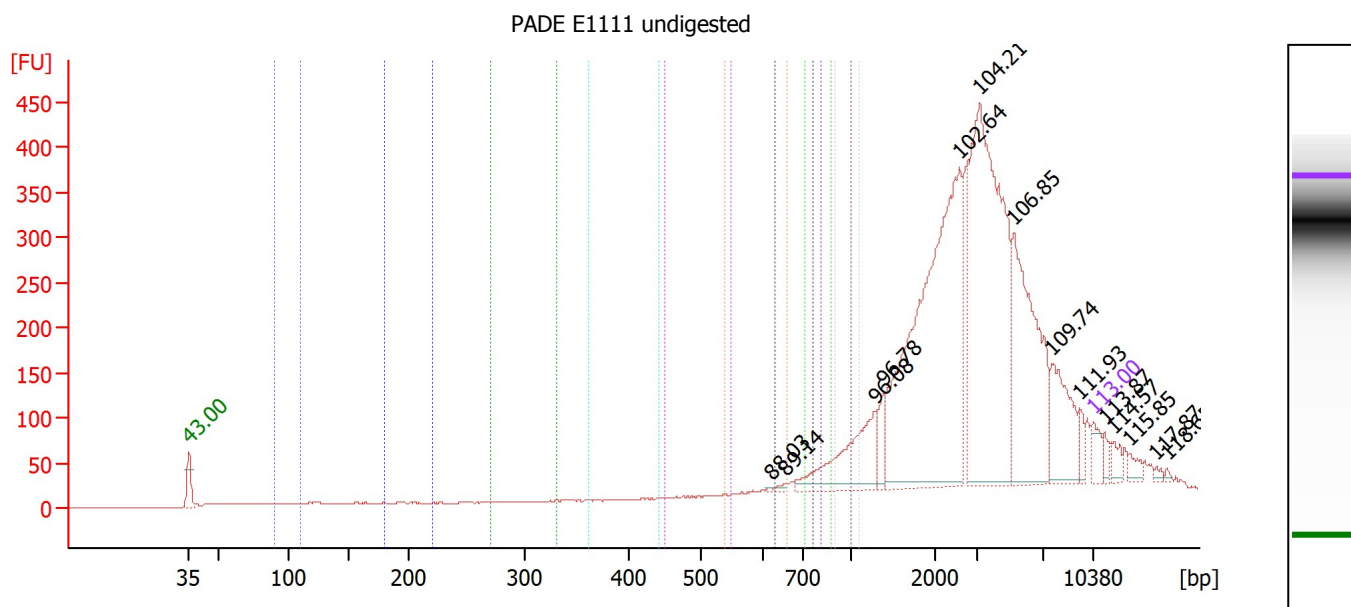
Region table for sample 8 : APCL D1353 MluCI

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
50	10,000	90.1	97	892	100.0	3,595.53	14,016.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-12-17_10-40-03.xad

Created: 12/17/2014 10:40:02 AM
 Modified: 3/2/2015 1:41:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : PADE E1111 undigested

Number of peaks found:	14	Corr. Area 5:	0.2
Noise:	0.4	Corr. Area 6:	22.1
Corr. Area 1:	0.4	Corr. Area 7:	50.9
Corr. Area 2:	0.0	Corr. Area 8:	62.5
Corr. Area 3:	0.0	Corr. Area 9:	103.4
Corr. Area 4:	0.0	Corr. Area 10:	113.5

Peak table for sample 9 : PADE E1111 undigested

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	621	6.28	15.3	
3	657	16.30	37.6	
4	1,277	475.79	564.6	
5	1,386	93.06	101.7	
6	2,586	2,119.25	1,241.7	
7	3,160	1,855.73	889.7	
8	5,218	923.44	268.1	
9	7,526	352.57	71.0	
10	9,441	58.11	9.3	
11	10,380	75.00	10.9	Upper Marker
12	11,139	0.00	0.0	
13	11,753	0.00	0.0	
14	12,872	0.00	0.0	
15	14,642	0.00	0.0	
16	15,329	0.00	0.0	

Region table for sample 9 : PADE E1111 undigested

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
90	110	0.4	0	97	4.4	1.14	17.9	Blue
180	220	0.0	0	0	0.0	0.00	0.0	Blue









Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-12-17_10-40-03.xad

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Electropherogram Summary Continued ...

... Region table for sample 9 :

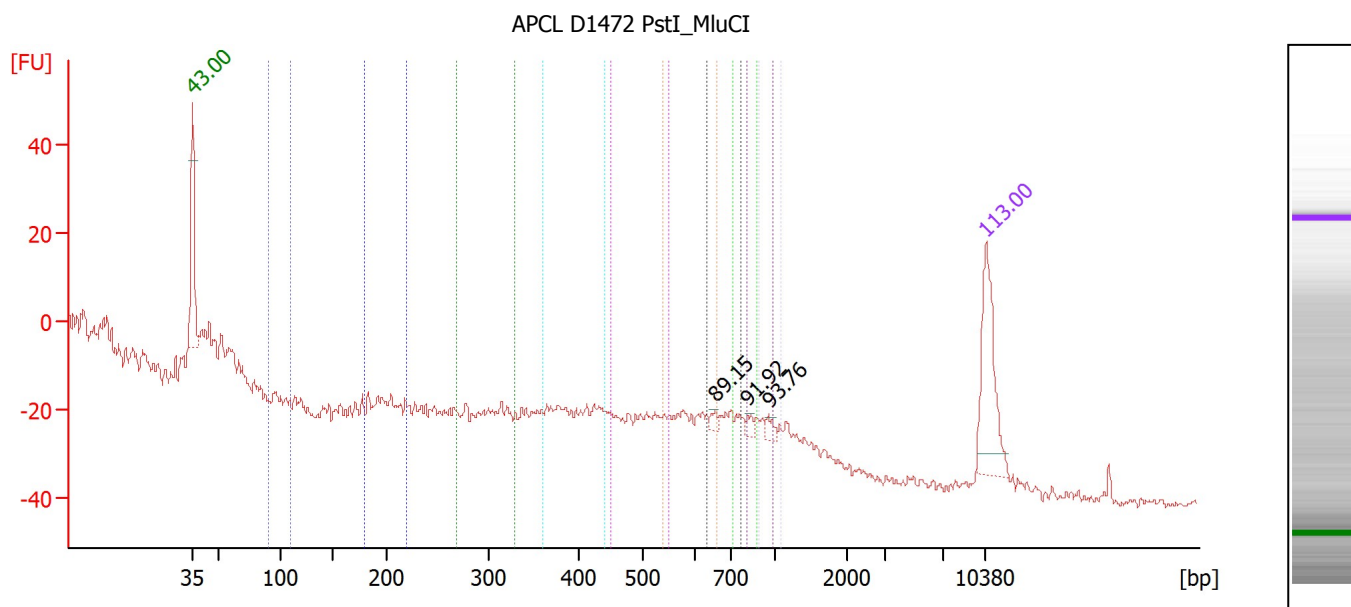
PADE E1111 undigested

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
270	330	0.0	0	0	0.0	0.00	0.0	
360	440	0.0	0	0	0.0	0.00	0.0	
450	550	0.2	0	539	0.2	0.30	0.8	
540	660	22.1	1	620	4.5	41.30	101.1	
630	770	50.9	1	696	5.5	96.48	210.8	
720	880	62.5	1	806	5.7	114.78	216.7	
810	990	103.4	2	907	5.8	181.68	304.8	
900	1,100	113.5	3	989	5.8	193.65	297.7	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-12-17_10-40-03.xad

Created: 12/17/2014 10:40:02 AM
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Electropherogram Summary Continued ...



Overall Results for sample 10 : APCL D1472 PstI MluCI

Number of peaks found:	3	Corr. Area 5:	1.7
Noise:	0.9	Corr. Area 6:	10.1
Corr. Area 1:	0.0	Corr. Area 7:	11.0
Corr. Area 2:	0.0	Corr. Area 8:	7.6
Corr. Area 3:	0.0	Corr. Area 9:	9.1
Corr. Area 4:	0.7	Corr. Area 10:	6.5

Peak table for sample 10 : APCL D1472 PstI MluCI

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	657	5.76	13.3	
3	813	5.62	10.5	
4	957	6.67	10.6	
5	10,380	75.00	10.9	Upper Marker

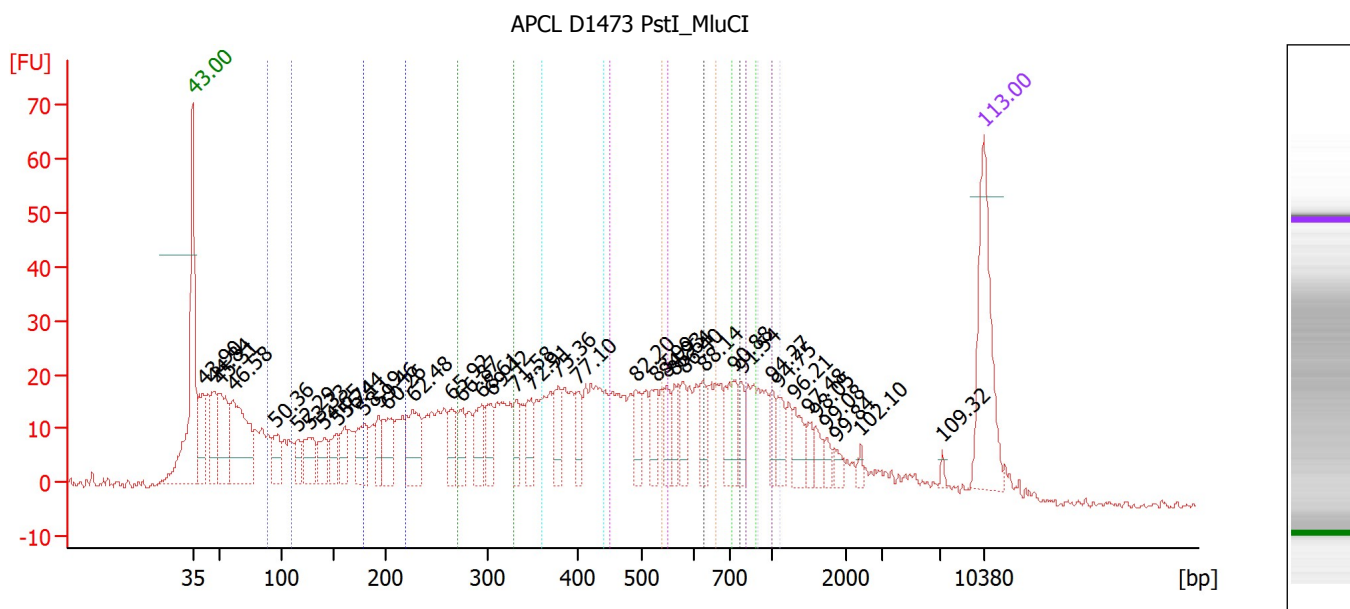
Region table for sample 10 : APCL D1472 PstI MluCI

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
90	110	0.0	0	0	0.0	0.00	0.0	Blue
180	220	0.0	0	0	0.0	0.00	0.0	Blue
270	330	0.0	0	0	0.0	0.00	0.0	Green
360	440	0.7	1	427	1.7	1.27	4.5	Cyan
450	550	1.7	3	527	3.1	2.89	8.3	Magenta
540	660	10.1	16	605	5.7	16.19	40.7	Orange
630	770	11.0	18	687	5.4	17.91	39.6	Black
720	880	7.6	12	798	5.8	11.93	22.7	Green
810	990	9.1	15	897	6.0	13.79	23.4	Purple
900	1,100	6.5	11	971	5.3	9.55	14.9	Light Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-12-17_10-40-03.xad

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 Modified: 3/2/2015 1:41:11 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : APCL D1473 PstI MluCI

Number of peaks found:	39	Corr. Area 5:	121.6
Noise:	0.7	Corr. Area 6:	112.4
Corr. Area 1:	38.7	Corr. Area 7:	73.7
Corr. Area 2:	81.1	Corr. Area 8:	47.3
Corr. Area 3:	121.0	Corr. Area 9:	51.0
Corr. Area 4:	138.9	Corr. Area 10:	40.0

Peak table for sample 11 : APCL D1473 PstI MluCI

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	41	55.31	2,049.4	
3	47	53.71	1,728.2	
4	50	74.02	2,231.2	
5	62	129.12	3,161.8	
6	96	31.17	490.5	
7	116	21.36	278.1	
8	128	39.36	467.6	
9	142	28.41	303.7	
10	153	25.16	248.5	
11	161	23.32	219.3	
12	180	40.69	342.4	
13	194	23.17	181.1	
14	203	37.96	283.9	
15	227	52.07	347.4	
16	265	26.67	152.3	
17	276	25.81	141.9	
18	295	33.48	172.0	
19	304	29.36	146.2	
20	331	20.61	94.3	
21	348	27.78	121.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-12-17_10-40-03.xad











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Electropherogram Summary Continued ...

... Peak table for sample 11 : APCL D1473 PstI MluCI

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
22	378	28.11	112.6	
23	400	21.06	79.7	
24	491	24.11	74.3	
25	528	24.72	70.9	
26	548	17.74	49.0	
27	563	17.65	47.5	
28	579	17.75	46.4	
29	625	18.84	45.7	
30	731	35.61	73.8	
31	783	16.44	31.8	
32	998	13.36	20.3	
33	1,069	16.05	22.7	
34	1,297	17.74	20.7	
35	1,496	8.73	8.8	
36	1,584	9.66	9.2	
37	1,746	6.48	5.6	
38	1,864	5.57	4.5	
39	2,423	4.08	2.5	
40	7,160	2.34	0.5	
41	10,380	75.00	10.9	Upper Marker

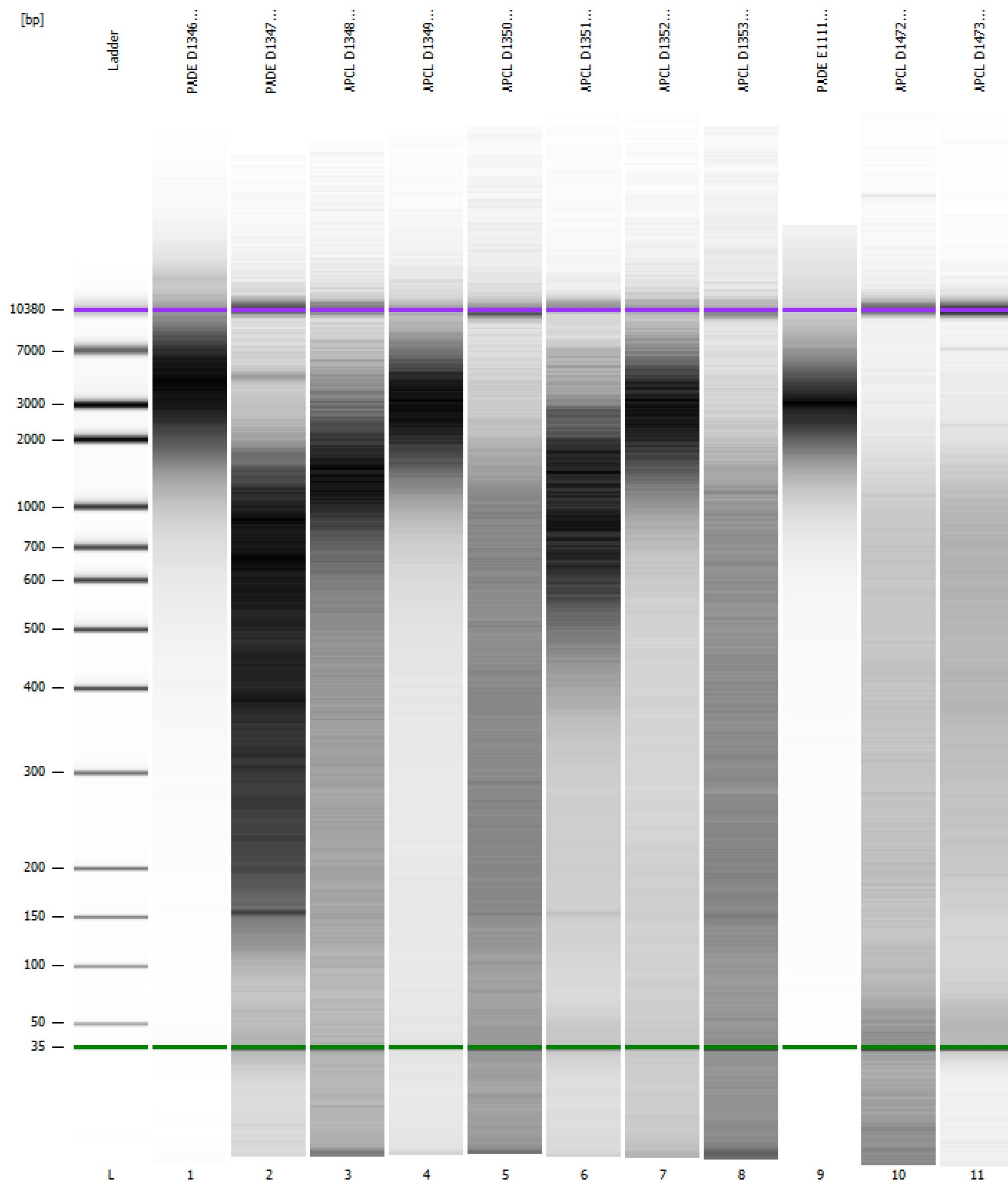
Region table for sample 11 : APCL D1473 PstI MluCI

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
90	110	38.7	3	99	5.9	79.50	1,223.9	
180	220	81.1	6	200	5.8	144.14	1,097.5	
270	330	121.0	9	299	5.8	191.95	975.9	
360	440	138.9	10	396	5.8	198.03	760.3	
450	550	121.6	9	498	5.9	168.56	515.4	
540	660	112.4	8	593	5.7	146.46	375.7	
630	770	73.7	5	684	5.6	96.83	215.2	
720	880	47.3	3	795	5.9	60.46	115.7	
810	990	51.0	4	895	5.9	62.47	106.2	
900	1,100	40.0	3	978	5.6	47.46	73.8	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-12-17_10-40-03.xad

Created: 12/17/2014 10:40:02 AM
 Modified: 3/2/2015 1:41:11 PM

Gel Image

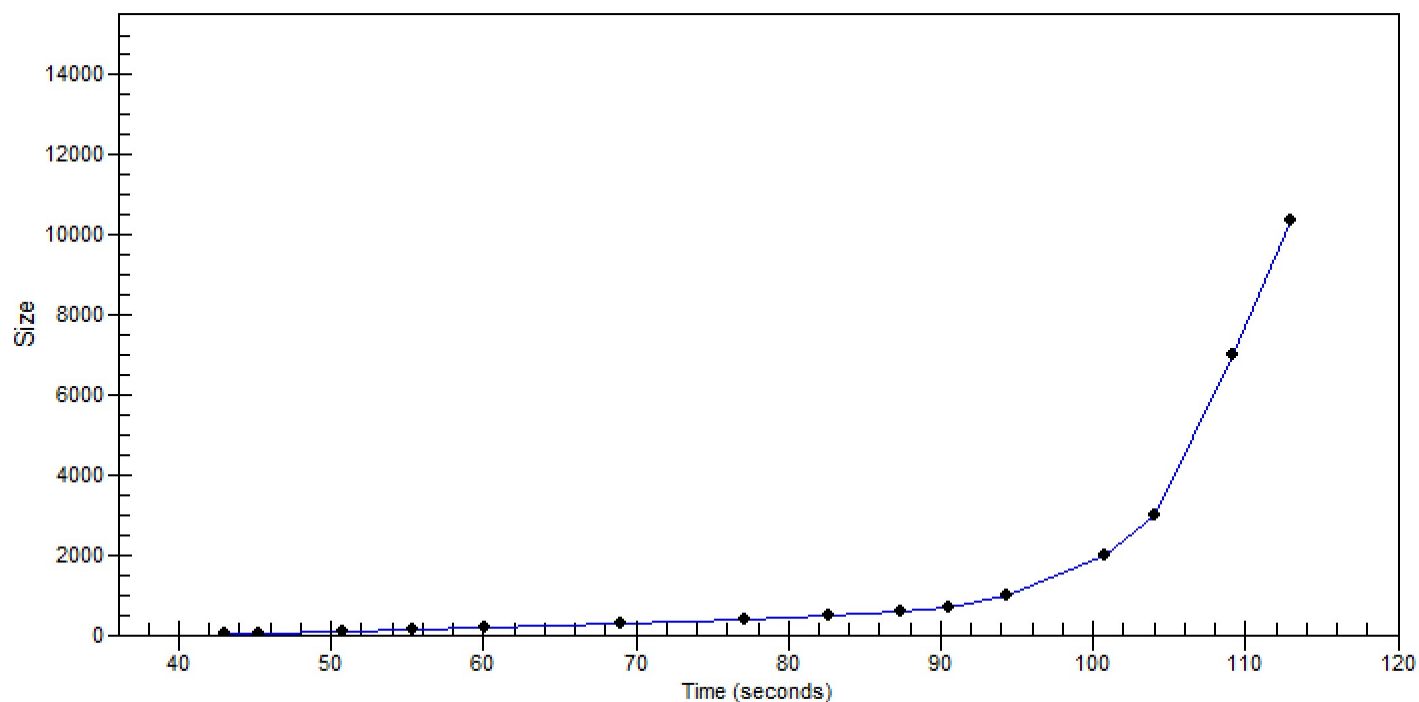


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-12-17_10-40-03.xad

Created: 12/17/2014 10:40:02 AM
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Curves

Standard Curve



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04103186_2014-12-17_10-40-03.xad

Created: 12/17/2014 10:40:02 AM
 Modified: 3/2/2015 1:41:11 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 4 (Number of wells acquired: 12)		Instrument	Run		12/17/2014 11:21:23 AM	(GMT --05:00) Eastern Standard Time	Divino	Bioanalyzer-HP
Run started on port 4 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\Data\2014-12-17\2100 expert_High Sensitivity DNA Assay_DE04103186_2014-12-17_10-40-03.xad)		Instrument	Run		12/17/2014 10:40:08 AM	(GMT --05:00) Eastern Standard Time	Divino	Bioanalyzer-HP
Product Number : G2939A		Instrument	Run		12/17/2014 10:40:08 AM	(GMT --05:00) Eastern Standard Time	Divino	Bioanalyzer-HP
Name :		Instrument	Run		12/17/2014 10:40:08 AM	(GMT --05:00) Eastern Standard Time	Divino	Bioanalyzer-HP
Vendor : Agilent Technologies		Instrument	Run		12/17/2014 10:40:08 AM	(GMT --05:00) Eastern Standard Time	Divino	Bioanalyzer-HP
Serial# : DE04103186		Instrument	Run		12/17/2014 10:40:08 AM	(GMT --05:00) Eastern Standard Time	Divino	Bioanalyzer-HP
Firmware : C.01.069		Instrument	Run		12/17/2014 10:40:08 AM	(GMT --05:00) Eastern Standard Time	Divino	Bioanalyzer-HP
Cartridge : Electrode		Instrument	Run		12/17/2014 10:40:08 AM	(GMT --05:00) Eastern Standard Time	Divino	Bioanalyzer-HP