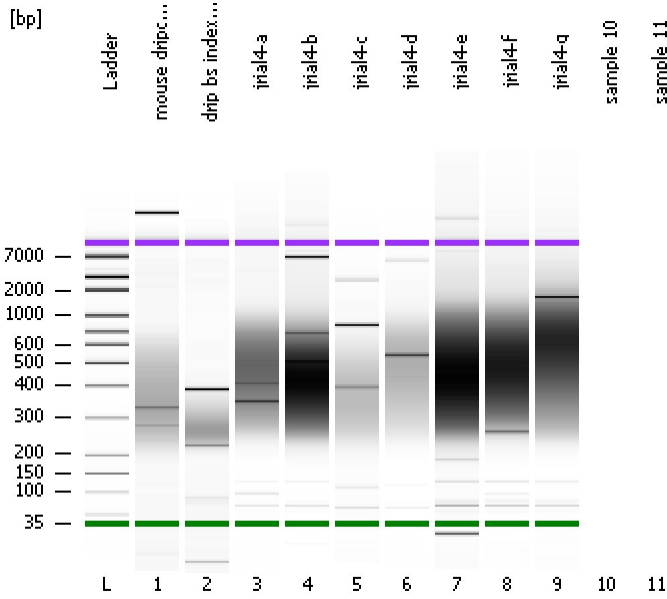


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-27\2014-05-27_003.xad

Created: 5/27/2014 3:51:54 PM
Modified: 5/27/2014 4:28:09 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

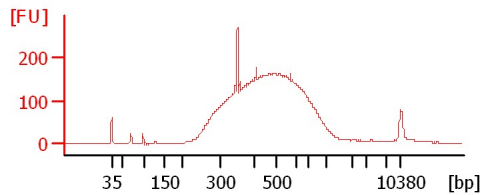
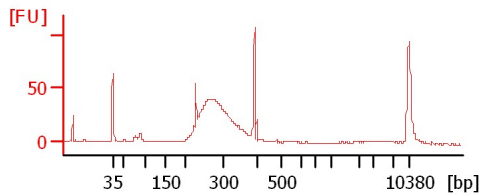
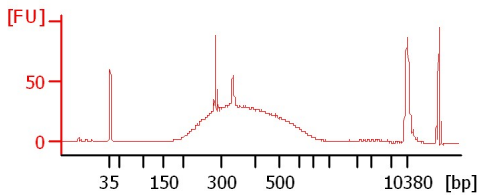
Chip Information:

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

mouse dripc index10

drip bs index primer1

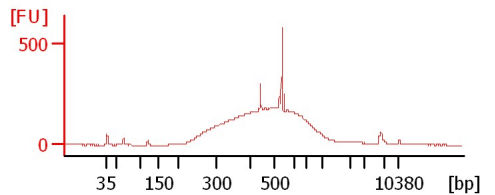
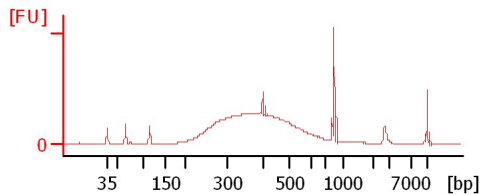
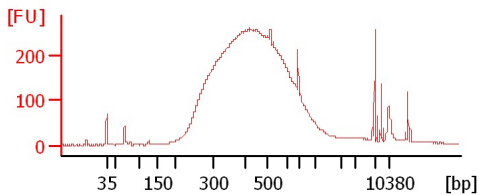
jrial4-a



jrial4-b

jrial4-c

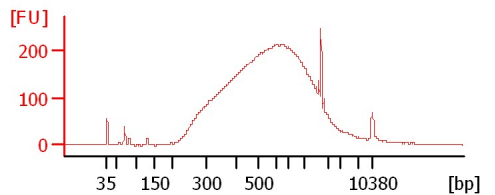
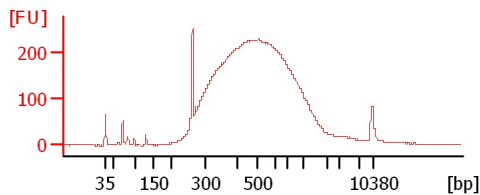
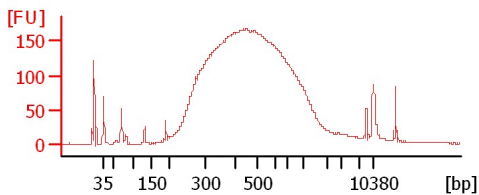
jrial4-d



jrial4-e

jrial4-f

jrial4-g



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-27\2014-05-27_003.xad

Created: 5/27/2014 3:51:54 PM
 Modified: 5/27/2014 4:28:09 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
mouse dripc index10		<input type="checkbox"/>	✓			
drip bs index primer1		<input type="checkbox"/>	✓			
jrial4-a		<input type="checkbox"/>	✓			
jrial4-b		<input type="checkbox"/>	✓			
jrial4-c		<input type="checkbox"/>	✓			
jrial4-d		<input type="checkbox"/>	✓			
jrial4-e		<input type="checkbox"/>	✓			
jrial4-f		<input type="checkbox"/>	✓			
jrial4-g		<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:\... bioanalyzer\2100 expert\Data\2014-05-27\2014-05-27_003.xad

Created: 5/27/2014 3:51:54 PM
Modified: 5/27/2014 4:28:09 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

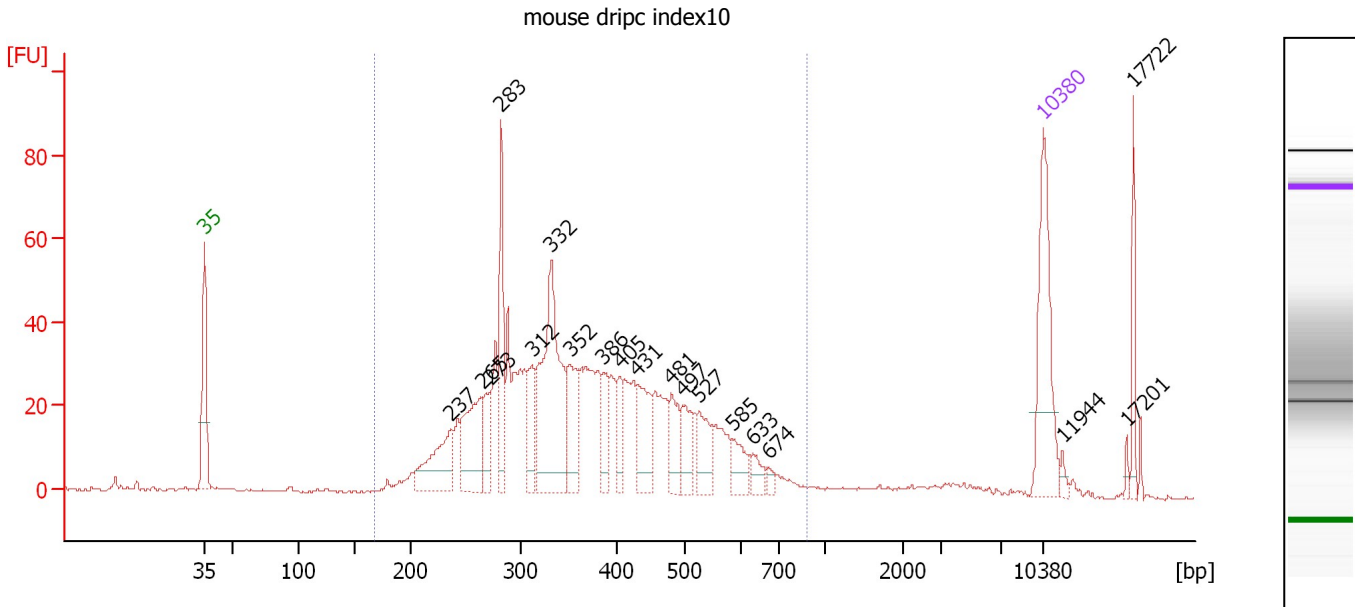
Ladder

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:\... bioanalyzer\2100 expert\Data\2014-05-27\2014-05-27_003.xad

Created: 5/27/2014 3:51:54 PM
 Modified: 5/27/2014 4:28:09 PM

Electropherogram Summary



Overall Results for sample 1 : mouse dripc index10

Number of peaks found: 19 Corr. Area 1: 975.6
 Noise: 0.3

Peak table for sample 1 : mouse dripc index10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	237	75.93	486.1	
3	265	84.94	485.6	
4	273	34.77	193.1	
5	283	72.69	389.7	
6	312	39.92	193.6	
7	332	175.68	800.8	
8	352	55.90	240.4	
9	386	30.01	117.8	
10	405	25.93	96.9	
11	431	49.31	173.2	
12	481	33.20	104.6	
13	497	30.28	92.3	
14	527	33.70	96.9	
15	585	23.18	60.0	
16	633	11.73	28.1	
17	674	5.82	13.1	
18	10,380	75.00	10.9	Upper Marker
19	11,944	0.00	0.0	
20	17,201	0.00	0.0	
21	17,722	0.00	0.0	

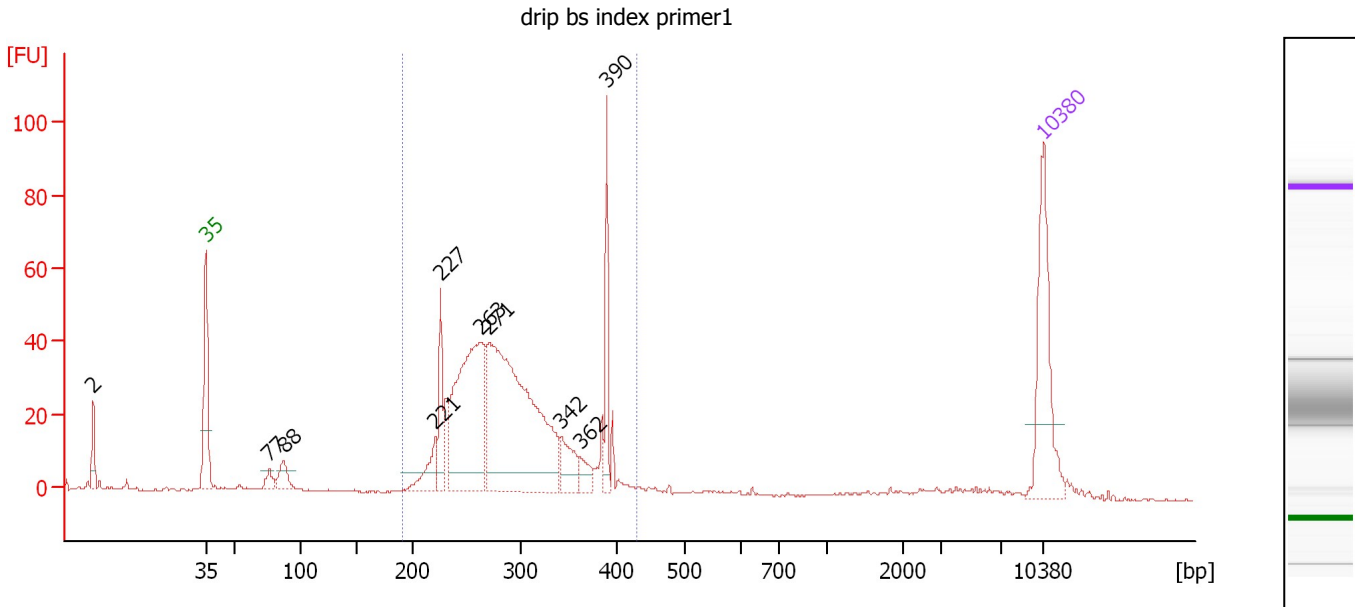
Region table for sample 1 : mouse dripc index10

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
167	883	382	5,688.3	1,272.59	975.6	92	30.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-27\2014-05-27_003.xad

Created: 5/27/2014 3:51:54 PM
 Modified: 5/27/2014 4:28:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : drip bs index primer1

Number of peaks found: 10 Corr. Area 1: 628.9
 Noise: 0.2

Peak table for sample 2 : drip bs index primer1

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	2	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	77	11.04	217.9	
4	88	22.47	388.1	
5	221	31.51	215.7	
6	227	47.26	315.9	
7	263	219.41	1,264.5	
8	271	349.56	1,952.7	
9	342	31.38	138.9	
10	362	14.59	61.1	
11	390	42.19	163.9	
12	10,380	75.00	10.9	Upper Marker

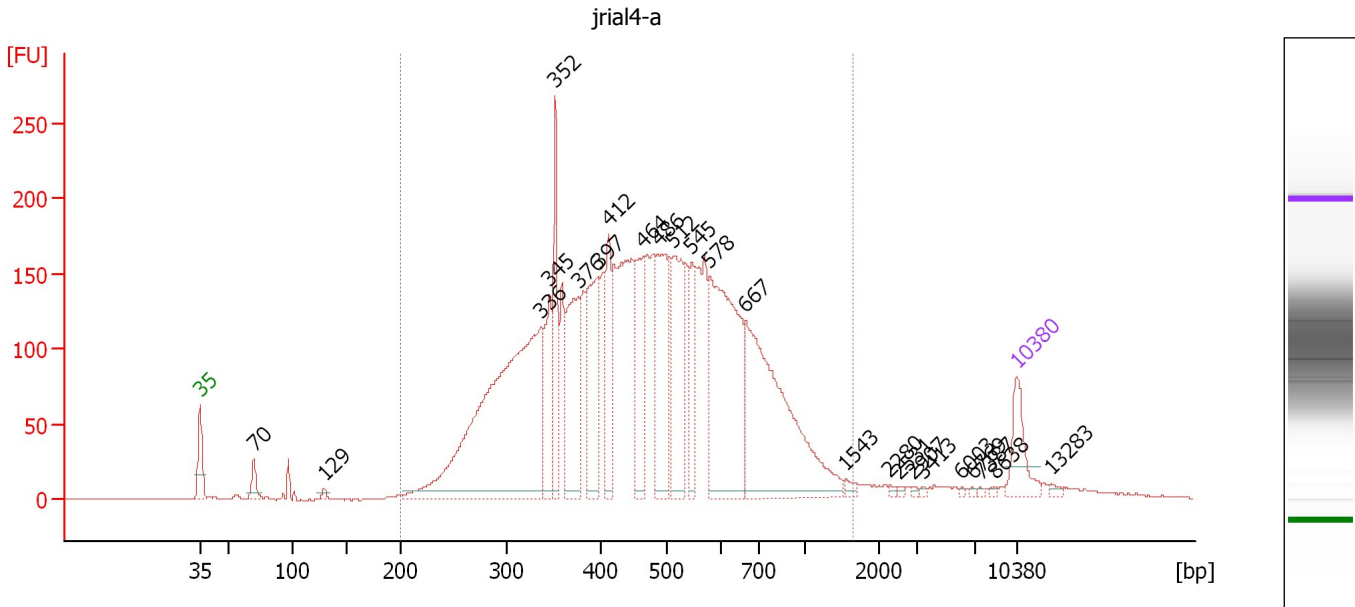
Region table for sample 2 : drip bs index primer1

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
191	428	292	4,211.0	785.06	628.9	86	17.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-27\2014-05-27_003.xad

Created: 5/27/2014 3:51:54 PM
 Modified: 5/27/2014 4:28:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : jrial4-a

Number of peaks found: 24 Corr. Area 1: 4,733.0
 Noise: 0.2

Peak table for sample 3 : jrial4-a


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	70	47.08	1,016.3	
3	129	10.63	124.5	
4	336	1,160.91	5,230.9	
5	345	158.84	696.8	
6	352	197.42	850.7	
7	376	276.30	1,113.0	
8	397	257.60	982.7	
9	412	159.21	585.3	
10	464	195.10	637.5	
11	486	259.35	808.2	
12	512	247.85	733.9	
13	545	124.22	345.3	
14	578	523.47	1,371.2	
15	667	609.41	1,384.7	
16	1,543	10.88	10.7	
17	2,280	4.44	2.9	
18	2,531	4.81	2.9	
19	2,907	3.39	1.8	
20	3,413	3.78	1.7	
21	6,003	3.00	0.8	
22	6,769	2.95	0.7	
23	7,387	3.44	0.7	
24	8,638	3.85	0.7	
25	10,380	75.00	10.9	Upper Marker
26	13,283	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-27\2014-05-27_003.xad

Created: 5/27/2014 3:51:54 PM
Modified: 5/27/2014 4:28:09 PM

Electropherogram Summary Continued ...

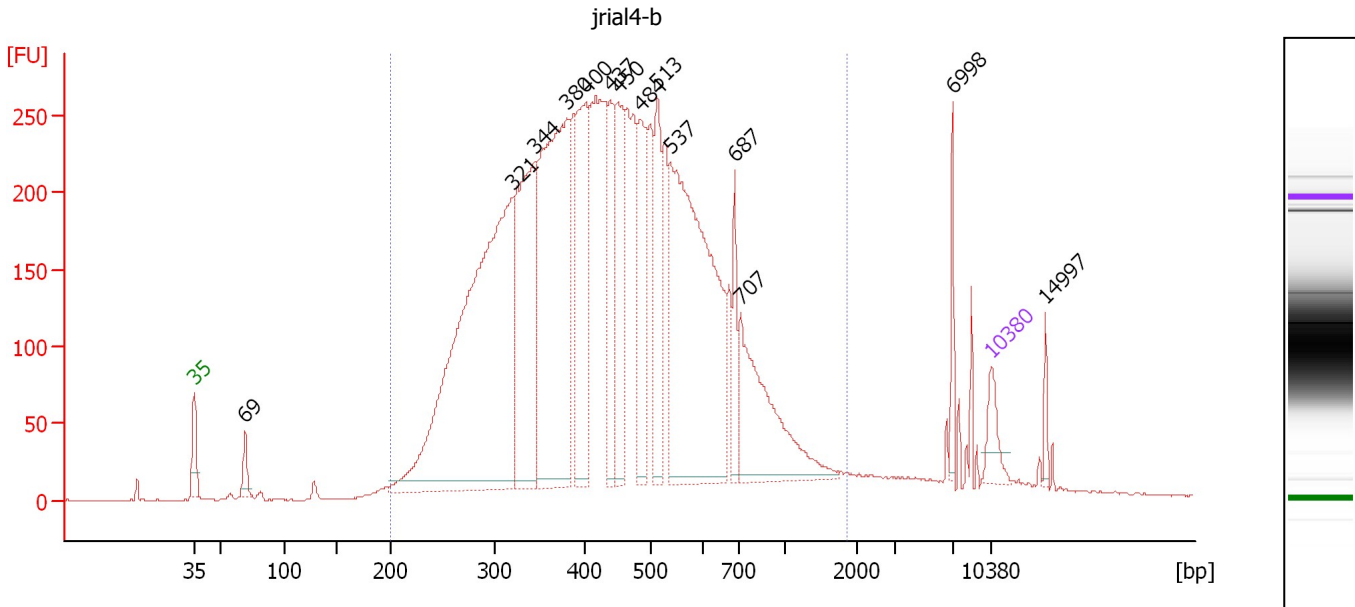
... Region table for sample 3 : trial4-a

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,658	495	20,238.3	5,616.61	 4,733.0	96	38.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-27\2014-05-27_003.xad

Created: 5/27/2014 3:51:54 PM
 Modified: 5/27/2014 4:28:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : jrial4-b

Number of peaks found: 14 Corr. Area 1: 7,580.8
 Noise: 0.5

Peak table for sample 4 : jrial4-b

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	69	79.91	1,753.7	
3	321	2,359.20	11,139.6	
4	344	941.87	4,146.1	
5	380	1,352.93	5,398.1	
6	400	574.72	2,175.9	
7	437	292.82	1,014.6	
8	450	397.98	1,341.0	
9	484	389.55	1,218.8	
10	513	317.85	938.8	
11	537	1,499.28	4,229.7	
12	687	139.97	308.8	
13	707	540.98	1,159.0	
14	6,998	69.41	15.0	
15	10,380	75.00	10.9	Upper Marker
16	14,997	0.00	0.0	

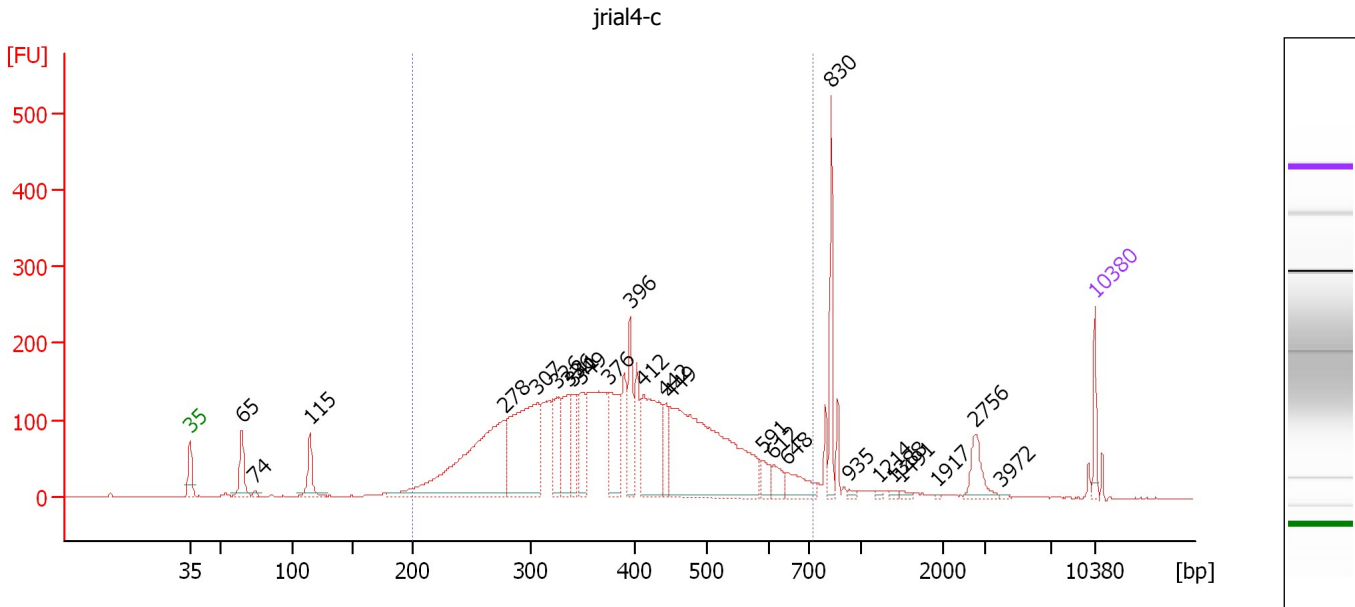
Region table for sample 4 : jrial4-b

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	1,851	471	44,581.9	11,684.01	7,580.8	95	42.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-27\2014-05-27_003.xad

Created: 5/27/2014 3:51:54 PM
 Modified: 5/27/2014 4:28:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : jrial4-c

Number of peaks found: 25 Corr. Area 1: 4,090.5
 Noise: 0.6

Peak table for sample 5 : jrial4-c

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	65	218.72	5,100.2	
3	74	19.23	393.8	
4	115	202.67	2,667.1	
5	278	1,312.47	7,160.1	
6	307	950.81	4,698.5	
7	326	268.73	1,248.5	
8	336	253.09	1,140.0	
9	341	222.88	990.3	
10	349	237.02	1,029.8	
11	376	324.34	1,307.2	
12	396	259.63	993.5	
13	412	531.74	1,953.5	
14	442	156.04	534.7	
15	449	1,438.22	4,856.3	
16	591	72.08	184.9	
17	612	81.70	202.2	
18	648	127.13	297.4	
19	830	234.60	428.3	
20	935	12.64	20.5	
21	1,214	9.30	11.6	
22	1,388	11.50	12.6	
23	1,491	14.65	14.9	
24	1,917	3.76	3.0	
25	2,756	113.87	62.6	
26	3,972	5.64	2.2	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-27\2014-05-27_003.xad

Created: 5/27/2014 3:51:54 PM
Modified: 5/27/2014 4:28:09 PM

Electropherogram Summary Continued ...**... Peak table for sample 5 : jrial4-c**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
27	10,380	75.00	10.9	Upper Marker

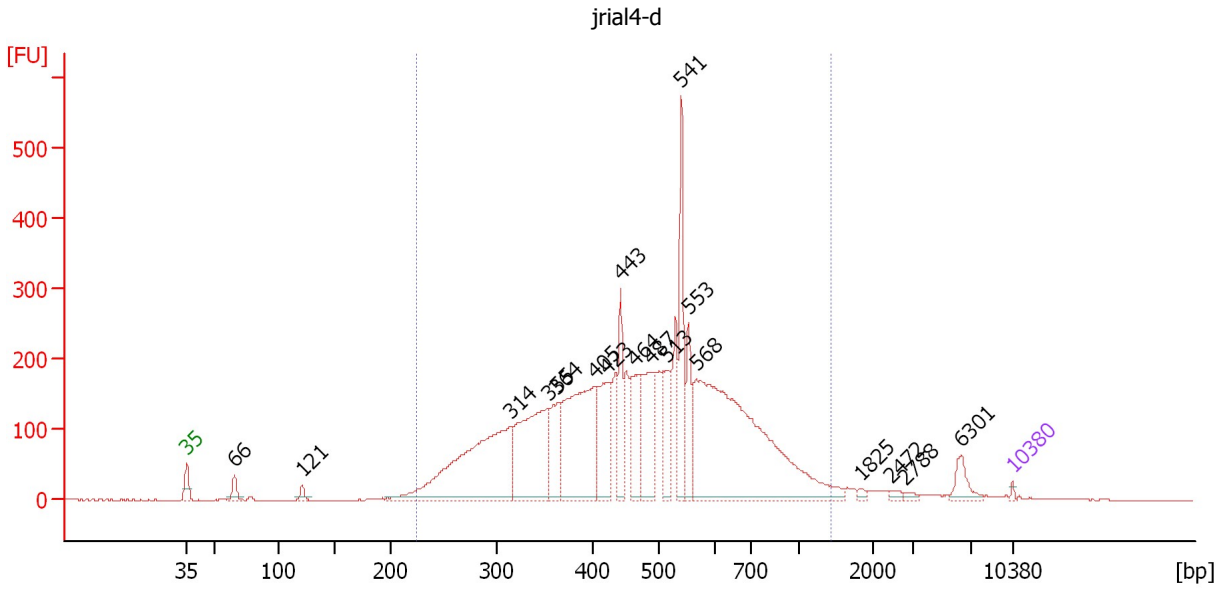
Region table for sample 5 : jrial4-c

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	726	390	32,662.4	7,605.11	4,090.5	86	26.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-27\2014-05-27_003.xad

Created: 5/27/2014 3:51:54 PM
 Modified: 5/27/2014 4:28:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : jrial4-d

Number of peaks found: 18 Corr. Area 1: 5,544.1
 Noise: 0.5

Peak table for sample 6 : jrial4-d

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	66	683.28	15,787.4	
3	121	376.23	4,722.2	
4	314	11,597.94	55,899.8	
5	355	7,318.74	31,249.1	
6	364	2,364.16	9,844.7	
7	405	8,218.73	30,719.7	
8	423	3,255.61	11,665.2	
9	443	2,584.84	8,845.8	
10	464	2,841.91	9,275.6	
11	487	3,656.75	11,370.2	
12	513	2,273.92	6,721.0	
13	541	3,489.71	9,778.2	
14	553	1,776.13	4,863.3	
15	568	17,390.38	46,398.4	
16	1,825	131.43	109.1	
17	2,472	164.66	100.9	
18	2,788	130.89	71.1	
19	6,301	733.07	176.3	
20	10,380	75.00	10.9	Upper Marker

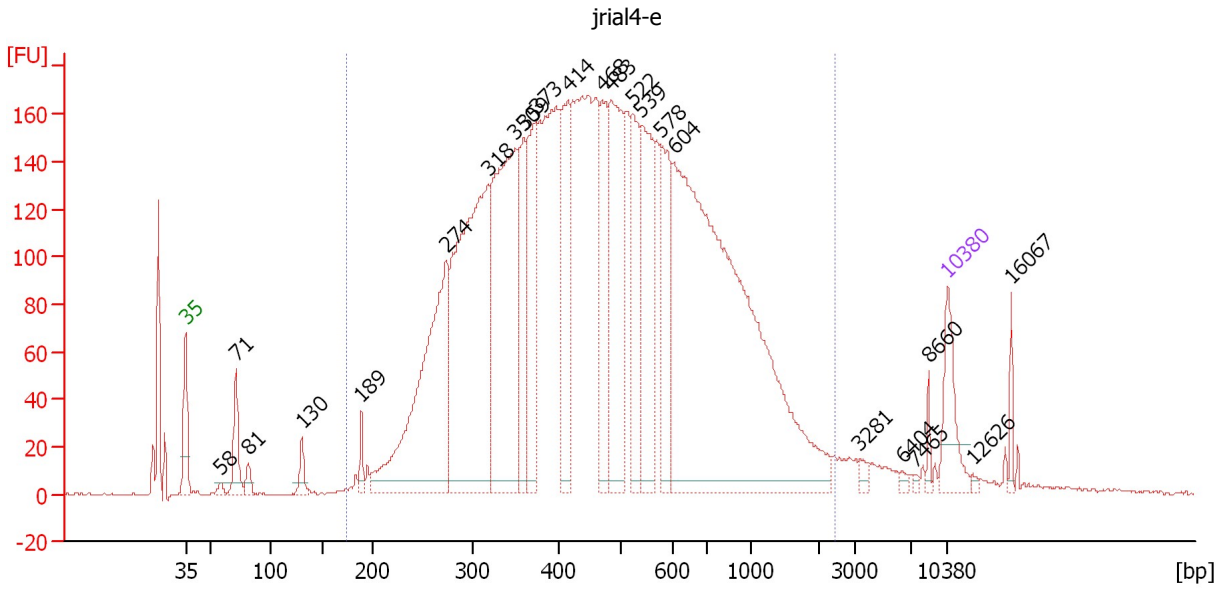
Region table for sample 6 : jrial4-d

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
225	1,429	497	260,310.0	72,838.01	5,544.1	94	36.1

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-27\2014-05-27_003.xad

Created: 5/27/2014 3:51:54 PM
 Modified: 5/27/2014 4:28:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : jrial4-e

Number of peaks found: 23 Corr. Area 1: 5,622.3
 Noise: 0.6

Peak table for sample 7 : jrial4-e


Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	58	10.92	285.4	
3	71	91.02	1,945.8	
4	81	24.06	449.4	
5	130	34.98	408.0	
6	189	28.85	231.8	
7	274	601.66	3,323.0	
8	318	775.97	3,699.1	
9	350	619.25	2,684.4	
10	359	155.15	654.3	
11	373	227.82	926.2	
12	414	226.68	829.8	
13	468	184.03	595.6	
14	483	326.57	1,024.8	
15	522	186.90	542.4	
16	539	254.35	715.1	
17	578	183.28	480.6	
18	604	1,323.87	3,318.5	
19	3,281	10.17	4.7	
20	6,404	6.41	1.5	
21	7,465	3.66	0.7	
22	8,660	11.90	2.1	
23	10,380	75.00	10.9	Upper Marker
24	12,626	0.00	0.0	
25	16,067	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-27\2014-05-27_003.xad

Created: 5/27/2014 3:51:54 PM
Modified: 5/27/2014 4:28:09 PM

Electropherogram Summary Continued ...

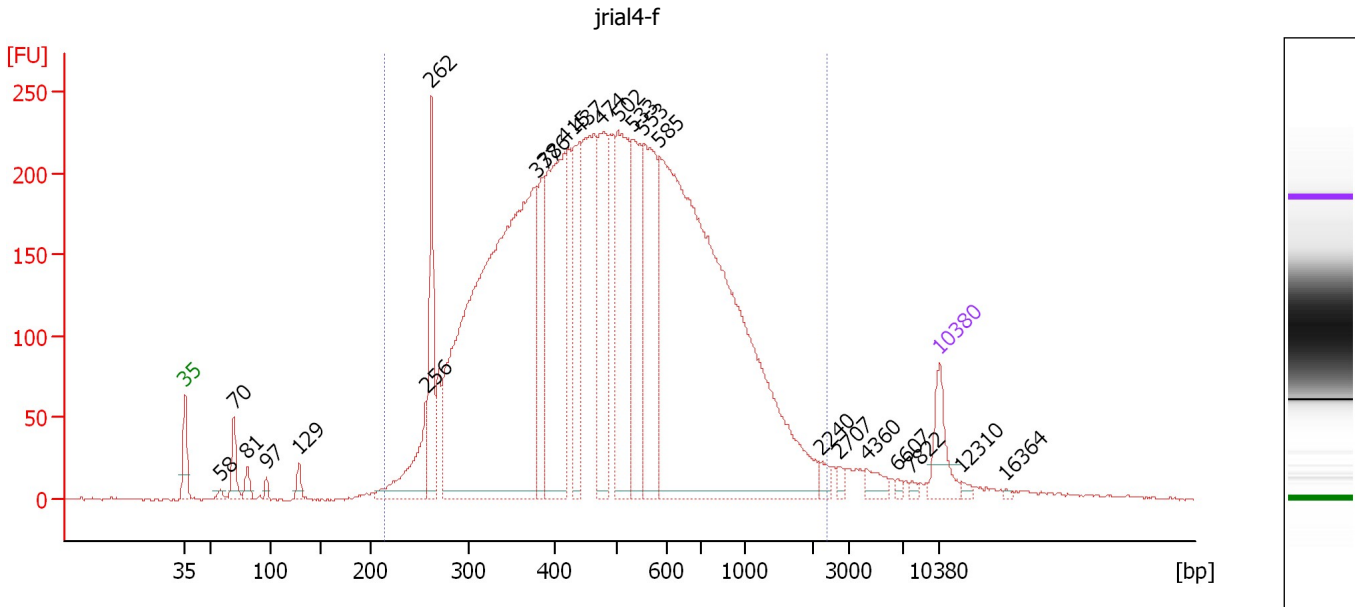
... Region table for sample 7 : trial4-e

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
174	2,412	537	24,273.2	6,579.97	 5,622.3	93	56.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-27\2014-05-27_003.xad

Created: 5/27/2014 3:51:54 PM
 Modified: 5/27/2014 4:28:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : jrial4-f

Number of peaks found: 23 Corr. Area 1: 6,998.0
 Noise: 0.7

Peak table for sample 8 : jrial4-f

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	58	12.97	337.3	
3	70	83.72	1,813.7	
4	81	37.50	699.9	
5	97	14.69	228.6	
6	129	29.91	351.5	
7	256	183.96	1,087.5	
8	262	252.80	1,463.5	
9	377	1,969.87	7,911.7	
10	386	222.75	873.3	
11	415	600.37	2,192.9	
12	437	280.66	972.1	
13	474	359.26	1,148.5	
14	502	455.82	1,375.2	
15	533	313.32	890.7	
16	553	393.00	1,076.5	
17	585	2,079.67	5,386.8	
18	2,240	17.51	11.8	
19	2,707	11.70	6.5	
20	4,360	28.23	9.8	
21	6,607	6.22	1.4	
22	7,822	6.36	1.2	
23	10,380	75.00	10.9	Upper Marker
24	12,310	0.00	0.0	
25	16,364	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-27\2014-05-27_003.xad

Created: 5/27/2014 3:51:54 PM
Modified: 5/27/2014 4:28:09 PM

Electropherogram Summary Continued ...

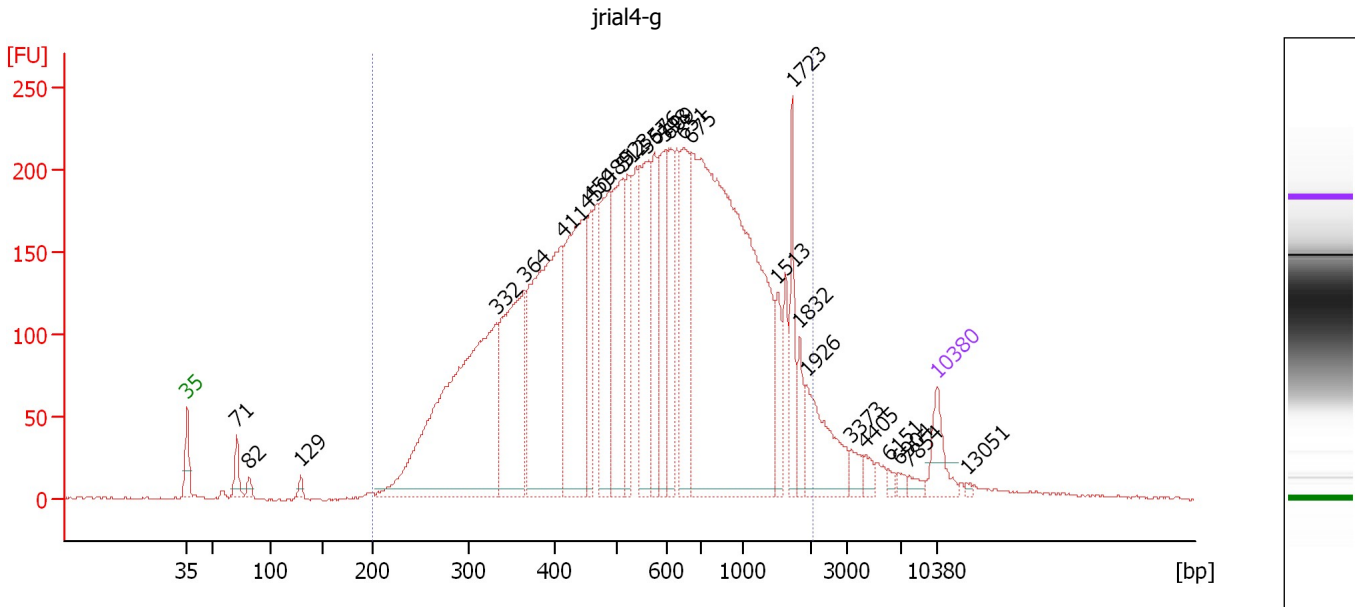
... Region table for sample 8 : trial4-f

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
213	2,404	560	27,781.3	8,008.74	 6,998.0	96	54.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-27\2014-05-27_003.xad

Created: 5/27/2014 3:51:54 PM
 Modified: 5/27/2014 4:28:09 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : jrial4-g

Number of peaks found: 27 Corr. Area 1: 6,504.7
 Noise: 0.7

Peak table for sample 9 : jrial4-g

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	71	71.56	1,534.4	
3	82	24.12	448.4	
4	129	19.27	226.1	
5	332	1,283.30	5,864.8	
6	364	568.77	2,365.2	
7	411	864.19	3,186.7	
8	450	597.05	2,009.0	
9	459	190.19	627.7	
10	489	319.16	989.3	
11	512	399.70	1,182.8	
12	523	201.64	584.5	
13	561	350.90	947.6	
14	576	197.85	520.4	
15	598	223.68	566.3	
16	609	240.52	598.6	
17	651	301.66	701.7	
18	675	1,956.55	4,391.3	
19	1,513	83.69	83.8	
20	1,723	116.37	102.3	
21	1,832	63.19	52.3	
22	1,926	191.64	150.8	
23	3,373	33.43	15.0	
24	4,405	22.17	7.6	
25	6,151	10.99	2.7	
26	6,904	13.63	3.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-27\2014-05-27_003.xad

Created: 5/27/2014 3:51:54 PM
Modified: 5/27/2014 4:28:09 PM

Electropherogram Summary Continued ...**... Peak table for sample 9 : trial4-g**

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
27	7,854	15.43	3.0	
28	10,380	75.00	10.9	Upper Marker
29	13,051	0.00	0.0	

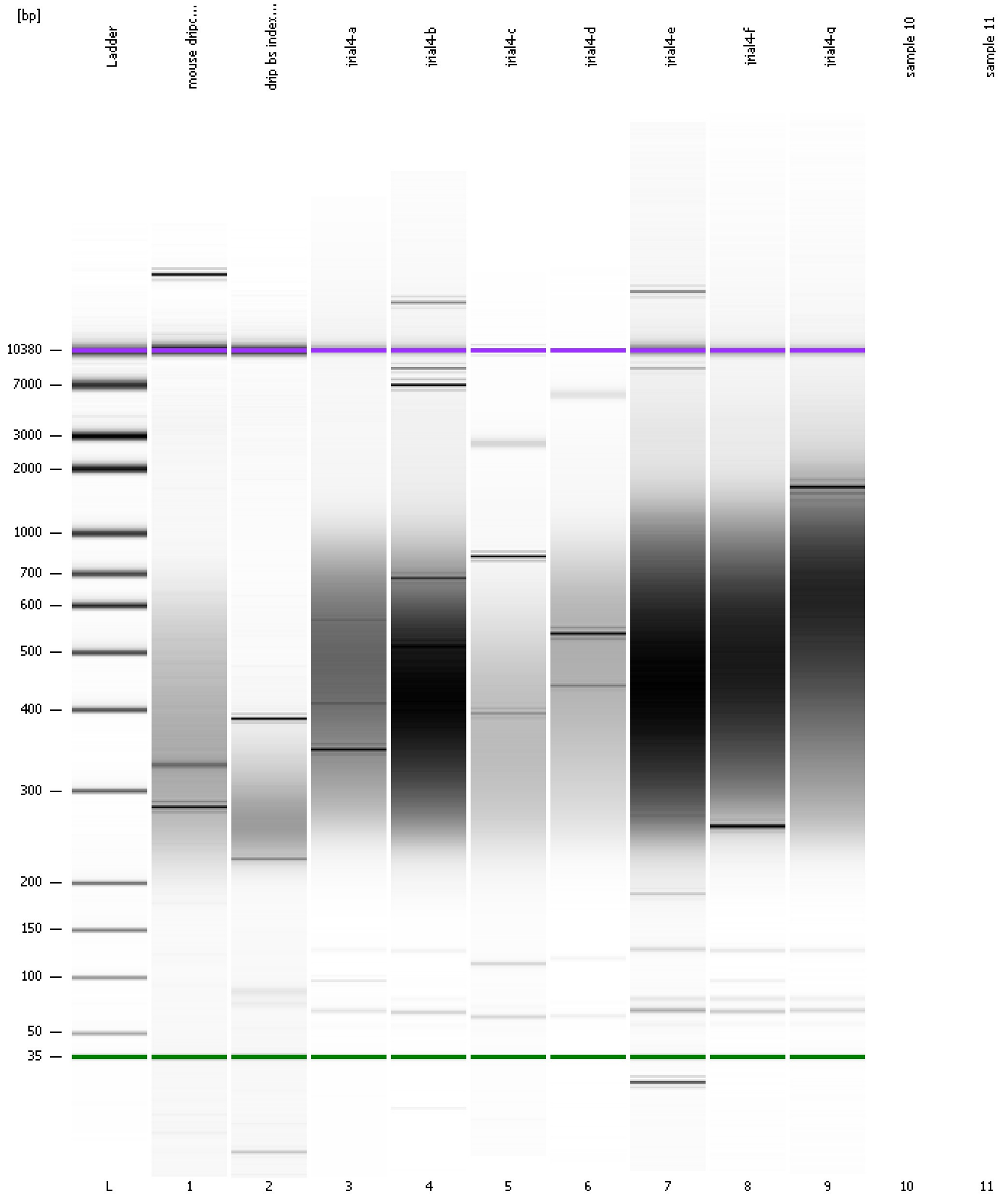
Region table for sample 9 : trial4-g

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
200	2,059	667	27,406.4	8,708.90	6,504.7	94	57.5

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-27\2014-05-27_003.xad

Created: 5/27/2014 3:51:54 PM
Modified: 5/27/2014 4:28:09 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-05-27\2014-05-27_003.xad

Created: 5/27/2014 3:51:54 PM
Modified: 5/27/2014 4:28:09 PM

Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.