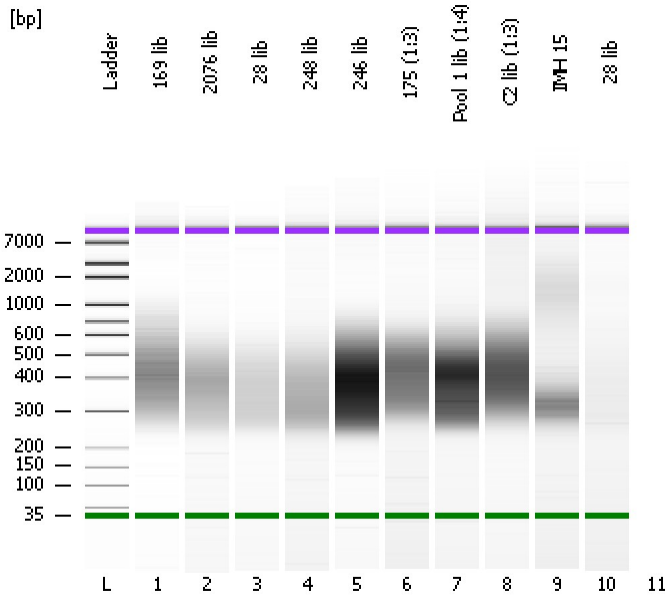


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_002.xad

Created: 6/6/2014 10:38:04 AM
Modified: 6/6/2014 12:37:43 PM

Electrophoresis File Run Summary



Instrument Information:

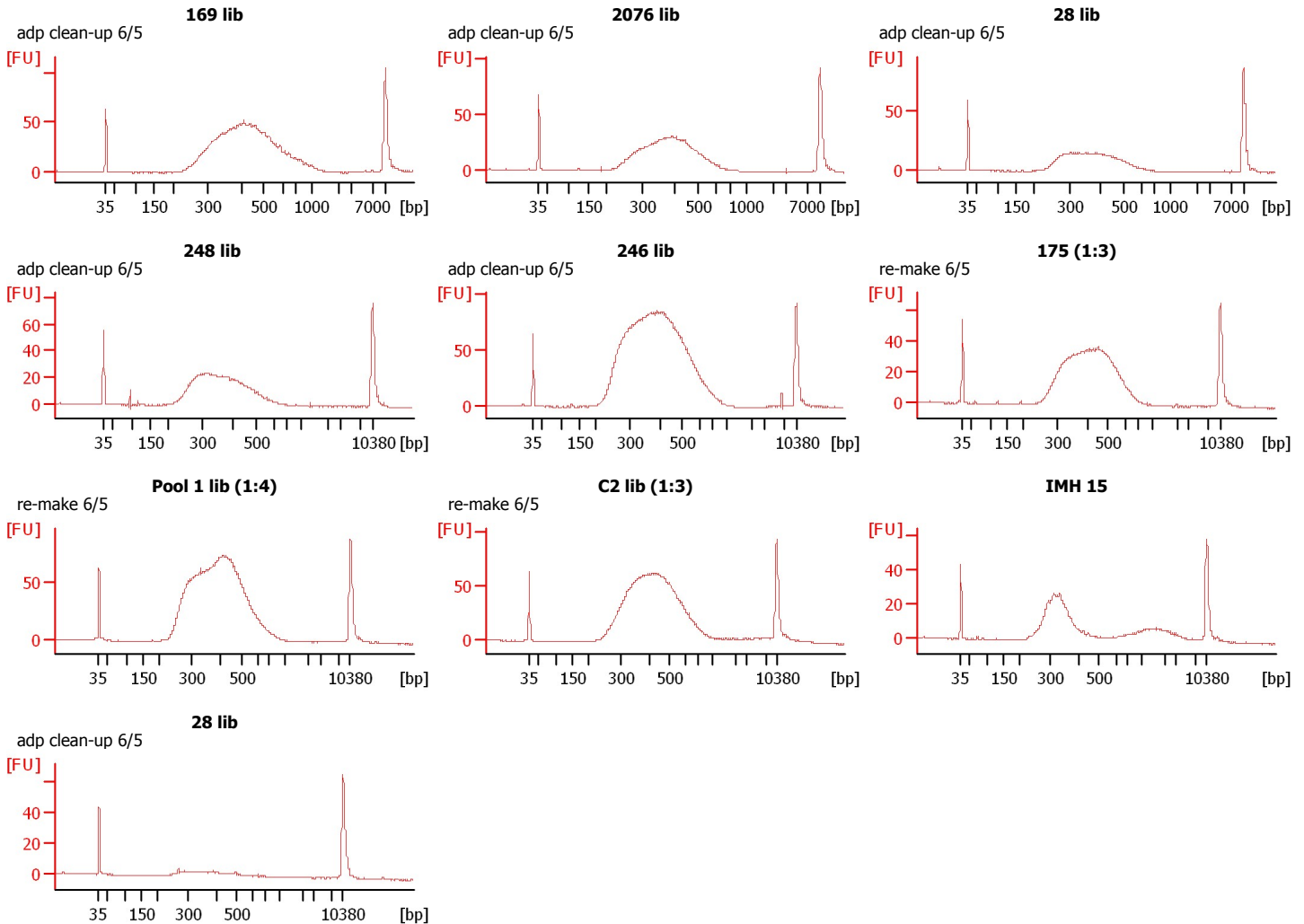
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_002.xad

Created: 6/6/2014 10:38:04 AM
 Modified: 6/6/2014 12:37:43 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
169 lib	adp clean-up 6/5	<input type="checkbox"/>	✓			
2076 lib	adp clean-up 6/5	<input type="checkbox"/>	✓			
28 lib	adp clean-up 6/5	<input type="checkbox"/>	✓			
248 lib	adp clean-up 6/5	<input type="checkbox"/>	✓			
246 lib	adp clean-up 6/5	<input type="checkbox"/>	✓			
175 (1:3)	re-make 6/5	<input type="checkbox"/>	✓			
Pool 1 lib (1:4)	re-make 6/5	<input type="checkbox"/>	✓			
C2 lib (1:3)	re-make 6/5	<input type="checkbox"/>	✓			
IMH 15		<input type="checkbox"/>	✓			
28 lib	adp clean-up 6/5	<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\2014-06-06\2014-06-06_002.xad

Created: 6/6/2014 10:38:04 AM
Modified: 6/6/2014 12:37:43 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

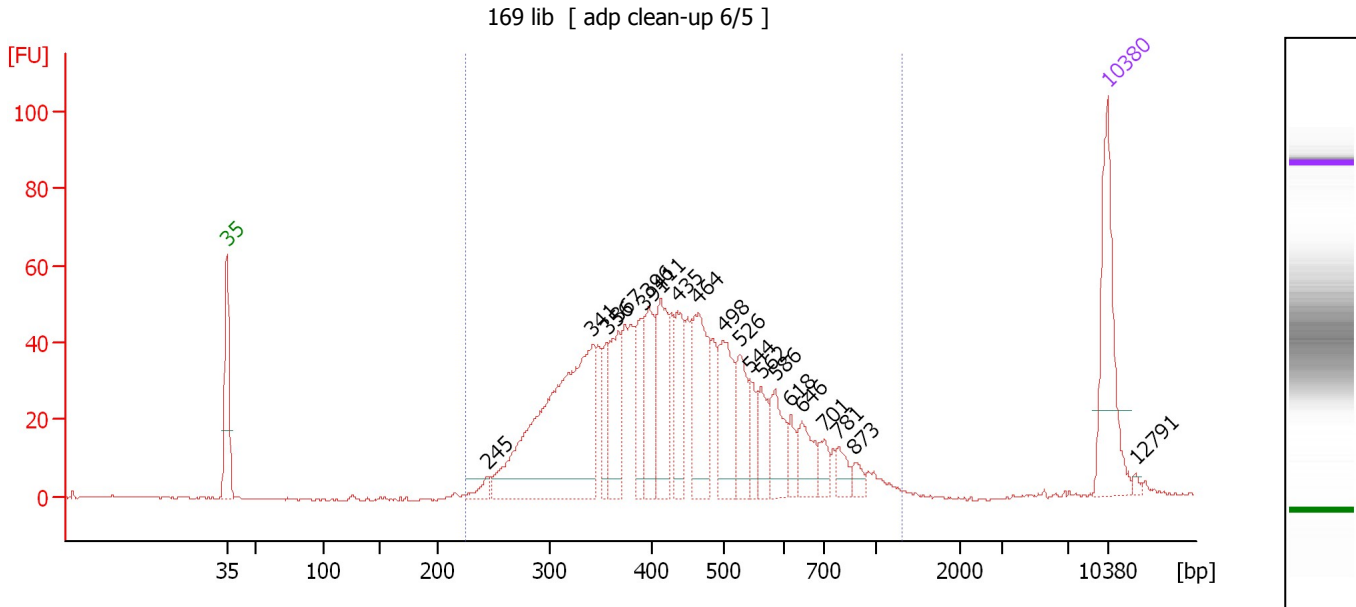
Ladder

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\2014-06-06\2014-06-06_002.xad

Created: 6/6/2014 10:38:04 AM
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Electropherogram Summary



Overall Results for sample 1 : 169 lib

Number of peaks found: 20 Corr. Area 1: 1,189.8
 Noise: 0.2

Peak table for sample 1 : 169 lib

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	245	11.55	71.5	
3	341	307.07	1,362.5	
4	356	33.88	144.4	
5	367	61.35	253.6	
6	391	50.01	193.7	
7	396	57.40	219.4	
8	411	72.36	266.7	
9	435	51.86	180.8	
10	464	91.15	297.5	
11	498	69.78	212.2	
12	526	46.80	134.8	
13	544	19.35	53.9	
14	562	29.27	78.9	
15	586	39.57	102.3	
16	618	15.17	37.2	
17	646	29.77	69.8	
18	701	15.08	32.6	
19	781	14.19	27.5	
20	873	8.88	15.4	
21	10,380	75.00	10.9	Upper Marker
22	12,791	0.00	0.0	

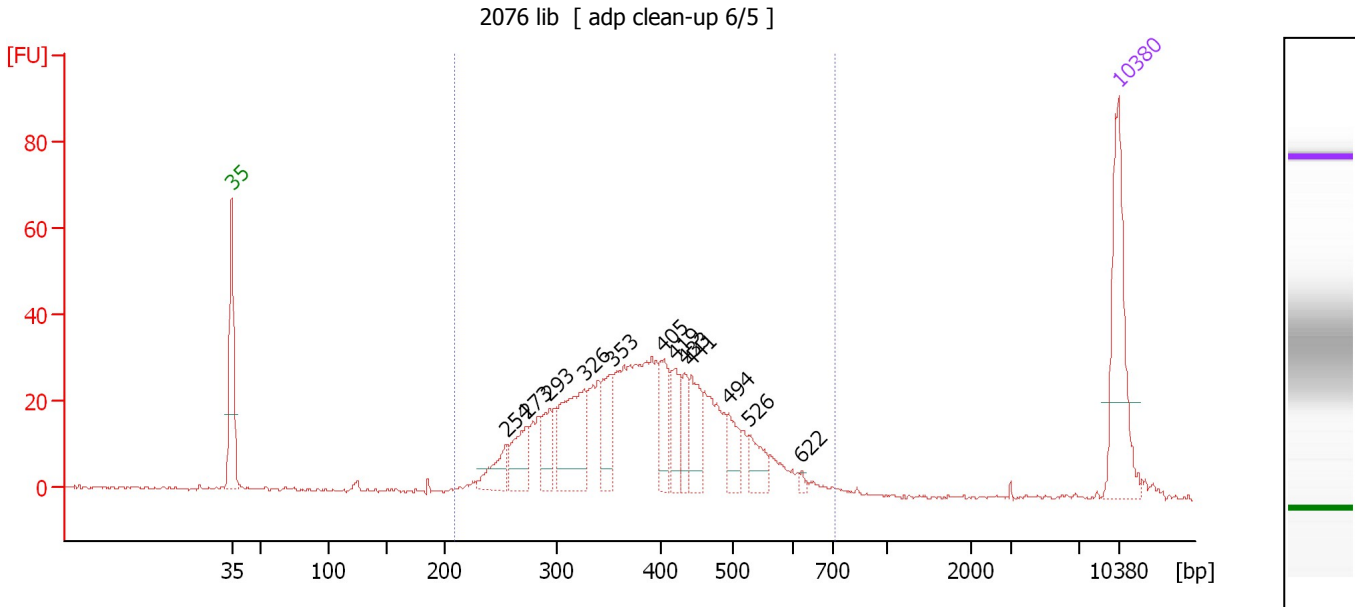
Region table for sample 1 : 169 lib

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
226	1,297	448	4,717.6	1,249.12	1,189.8	98	31.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_002.xad

Created: 6/6/2014 10:38:04 AM
 Modified: 6/6/2014 12:37:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 2076 lib

Number of peaks found: 12 Corr. Area 1: 678.5
 Noise: 0.4

Peak table for sample 2 : 2076 lib

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	254	30.43	181.2	
3	273	41.51	230.2	
4	293	32.39	167.5	
5	326	87.24	404.9	
6	353	42.94	184.4	
7	405	35.75	133.9	
8	419	33.07	119.5	
9	433	23.40	81.9	
10	441	40.16	137.9	
11	494	22.99	70.5	
12	526	24.32	70.0	
13	622	2.68	6.5	
14	10,380	75.00	10.9	Upper Marker

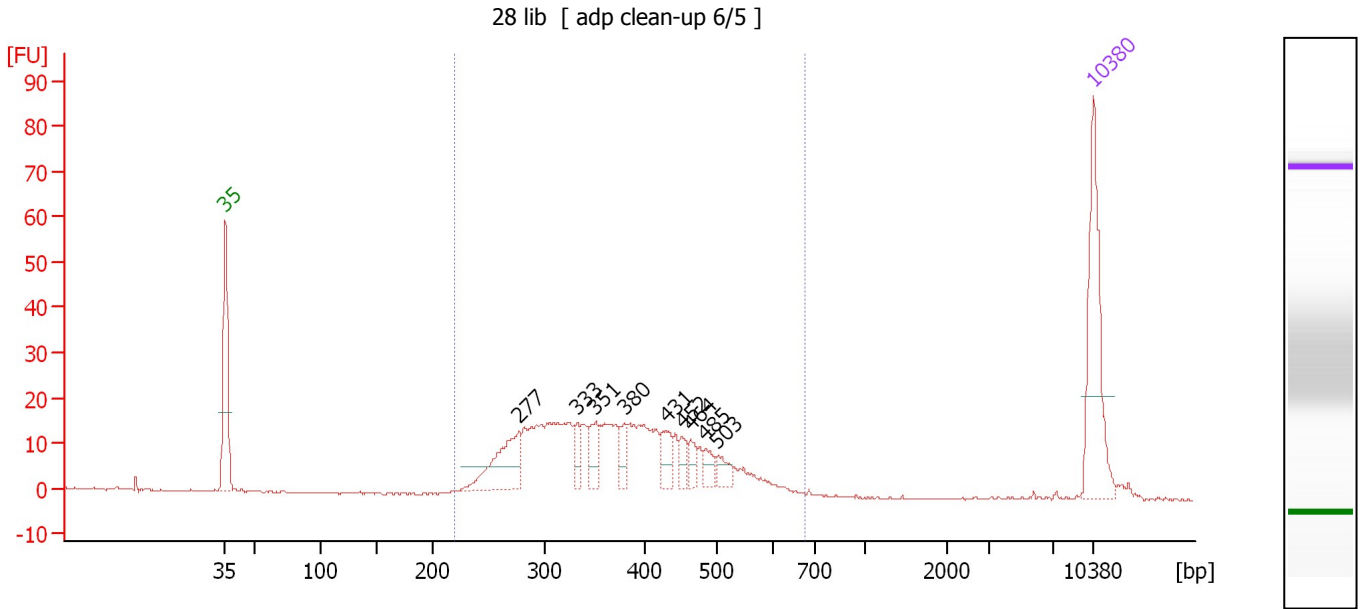
Region table for sample 2 : 2076 lib

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/µl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
209	705	390	3,318.8	794.89	678.5	98	22.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_002.xad

Created: 6/6/2014 10:38:04 AM
 Modified: 6/6/2014 12:37:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 28 lib

Number of peaks found: 9 Corr. Area 1: 390.9
 Noise: 0.2

Peak table for sample 3 : 28 lib

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	277	68.83	376.4	
3	333	16.04	73.0	
4	351	23.56	101.7	
5	380	17.41	69.5	
6	431	20.32	71.4	
7	452	12.13	40.7	
8	464	11.78	38.5	
9	485	11.39	35.6	
10	503	12.51	37.7	
11	10,380	75.00	10.9	Upper Marker

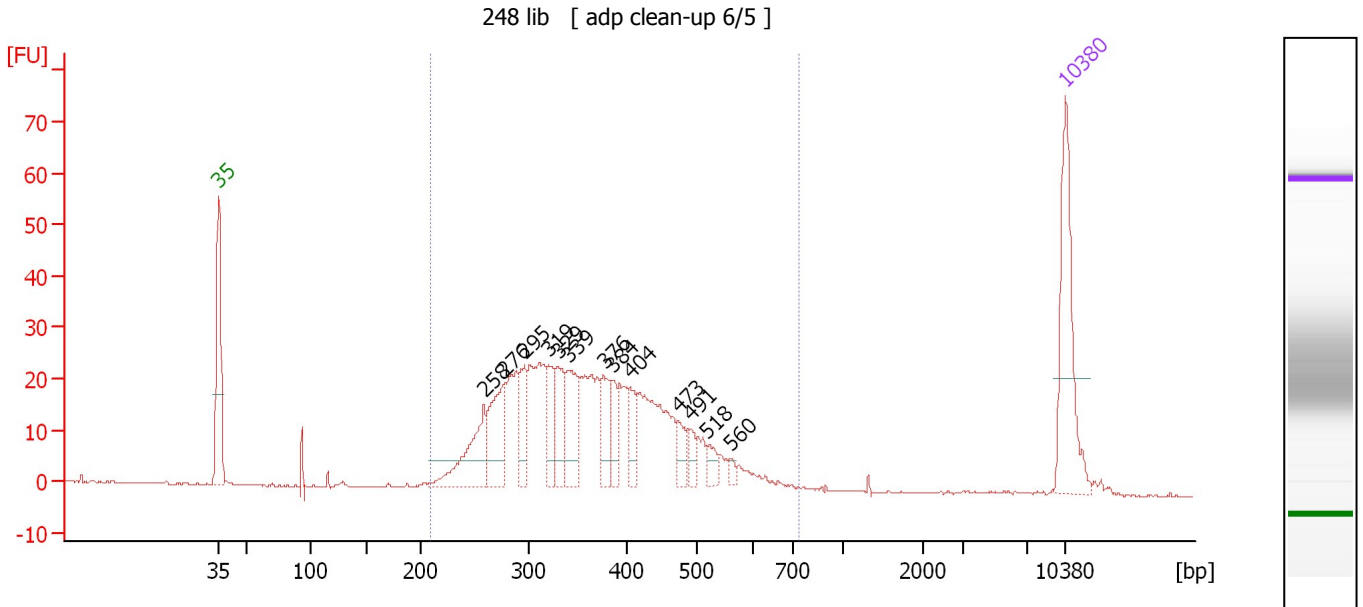
Region table for sample 3 : 28 lib

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
219	679	378	2,296.7	532.20	390.9	98	23.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_002.xad

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 Modified: 6/6/2014 12:37:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 248 lib

Number of peaks found: 13 Corr. Area 1: 571.1
 Noise: 0.2

Peak table for sample 4 : 248 lib

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	258	71.35	419.0	
3	276	64.84	355.7	
4	295	35.56	182.4	
5	319	34.16	162.1	
6	329	39.29	180.9	
7	339	51.50	229.9	
8	376	30.55	123.2	
9	384	22.08	87.2	
10	404	22.61	84.8	
11	473	17.11	54.8	
12	491	11.93	36.8	
13	518	11.03	32.2	
14	560	4.56	12.3	
15	10,380	75.00	10.9	Upper Marker

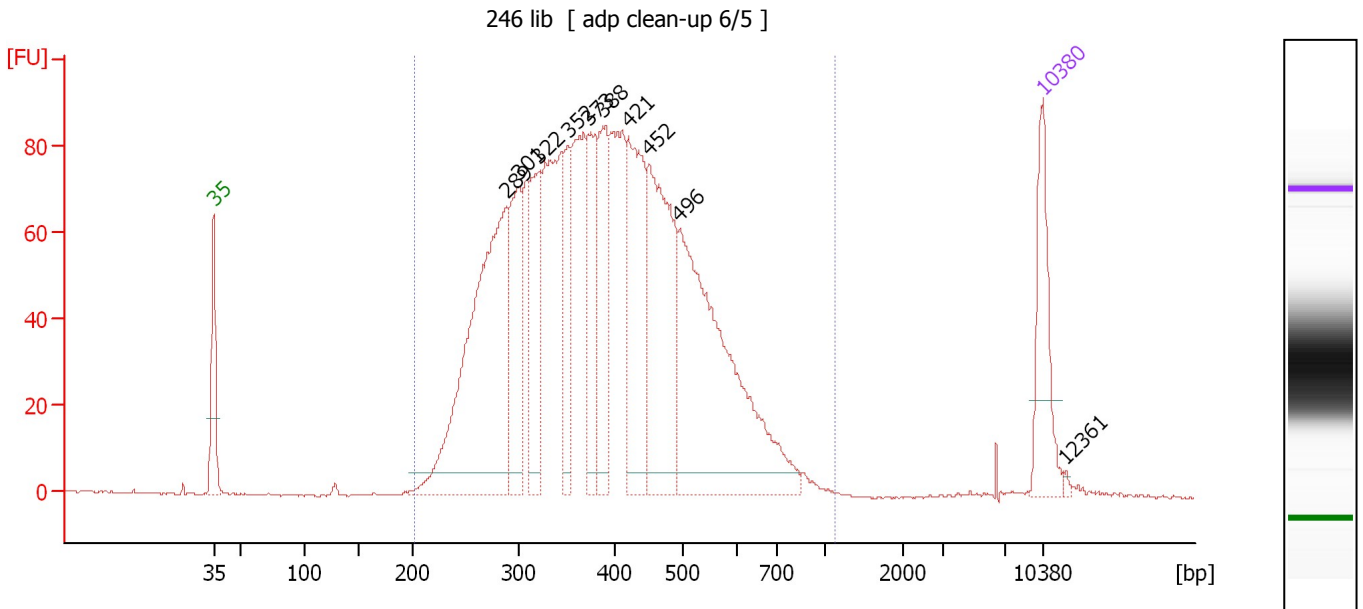
Region table for sample 4 : 248 lib

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
209	731	370	3,735.4	844.68	571.1	96	24.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_002.xad

Created: 6/6/2014 10:38:04 AM
 Modified: 6/6/2014 12:37:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 246 lib

Number of peaks found: 10 Corr. Area 1: 2,263.8
 Noise: 0.2

Peak table for sample 5 : 246 lib

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	289	477.44	2,503.5	
3	301	152.14	767.0	
4	322	136.22	640.6	
5	352	101.32	435.9	
6	373	106.49	432.9	
7	388	127.31	497.5	
8	421	203.15	731.0	
9	452	252.99	848.6	
10	496	420.88	1,284.6	
11	10,380	75.00	10.9	Upper Marker
12	12,361	0.00	0.0	

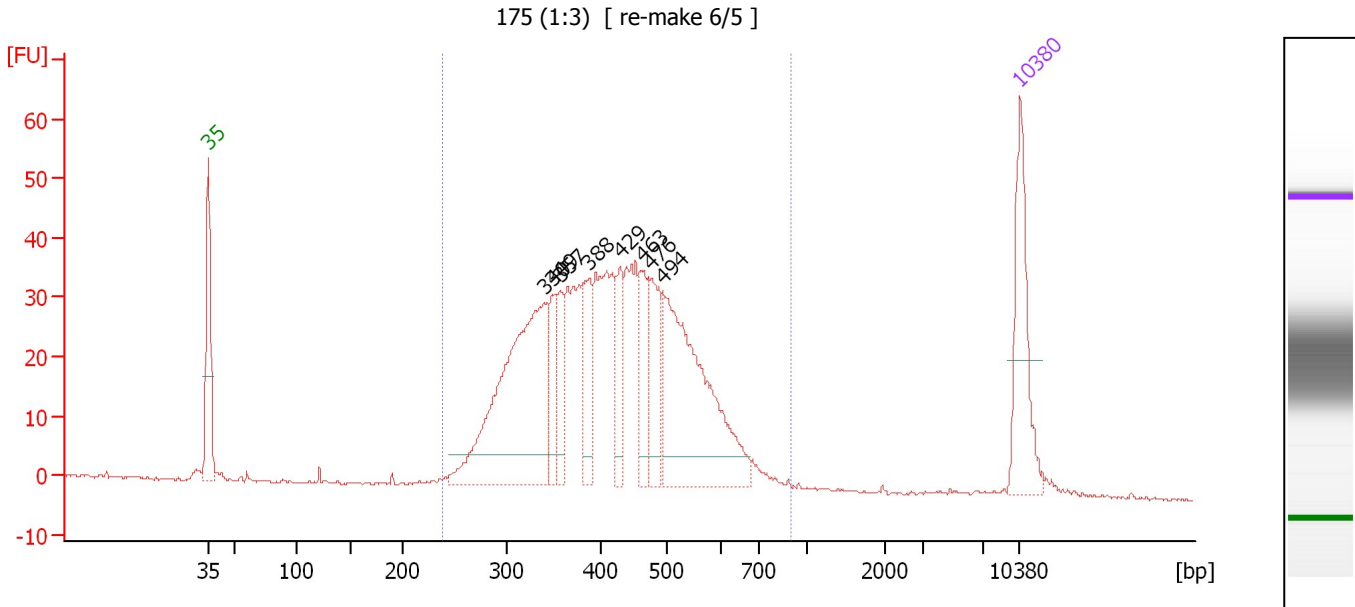
Region table for sample 5 : 246 lib

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
203	1,121	403	11,023.9	2,650.59	2,263.8	99	28.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_002.xad

Created: 6/6/2014 10:38:04 AM
 Modified: 6/6/2014 12:37:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 175 (1:3)

Number of peaks found: 8 Corr. Area 1: 830.9
 Noise: 0.2

Peak table for sample 6 : 175 (1:3)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	340	316.05	1,408.0	
3	349	51.65	224.5	
4	357	42.05	178.4	
5	388	63.94	249.5	
6	429	44.74	158.0	
7	463	52.46	171.8	
8	476	60.95	193.9	
9	494	252.95	775.8	
10	10,380	75.00	10.9	Upper Marker

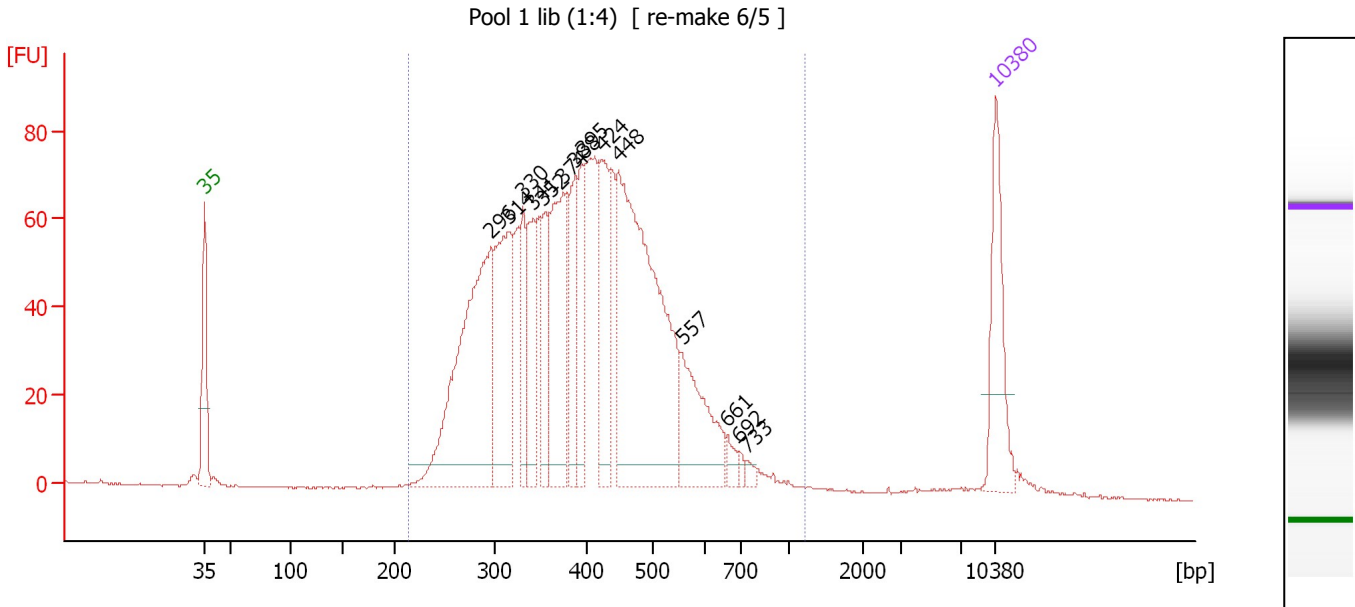
Region table for sample 6 : 175 (1:3)

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
238	894	426	4,854.5	1,271.23	830.9	98	23.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_002.xad

Created: 6/6/2014 10:38:04 AM
 Modified: 6/6/2014 12:37:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Pool 1 lib (1:4)

Number of peaks found: 14 Corr. Area 1: 1,771.5
 Noise: 0.1

Peak table for sample 7 : Pool 1 lib (1:4)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	296	360.58	1,847.9	
3	314	171.72	829.2	
4	330	65.94	302.7	
5	341	83.77	372.1	
6	352	78.83	339.2	
7	374	167.20	676.9	
8	388	80.74	315.6	
9	395	67.86	260.6	
10	424	113.53	406.1	
11	448	427.43	1,444.8	
12	557	106.75	290.5	
13	661	12.58	28.8	
14	692	5.37	11.7	
15	733	5.85	12.1	
16	10,380	75.00	10.9	Upper Marker

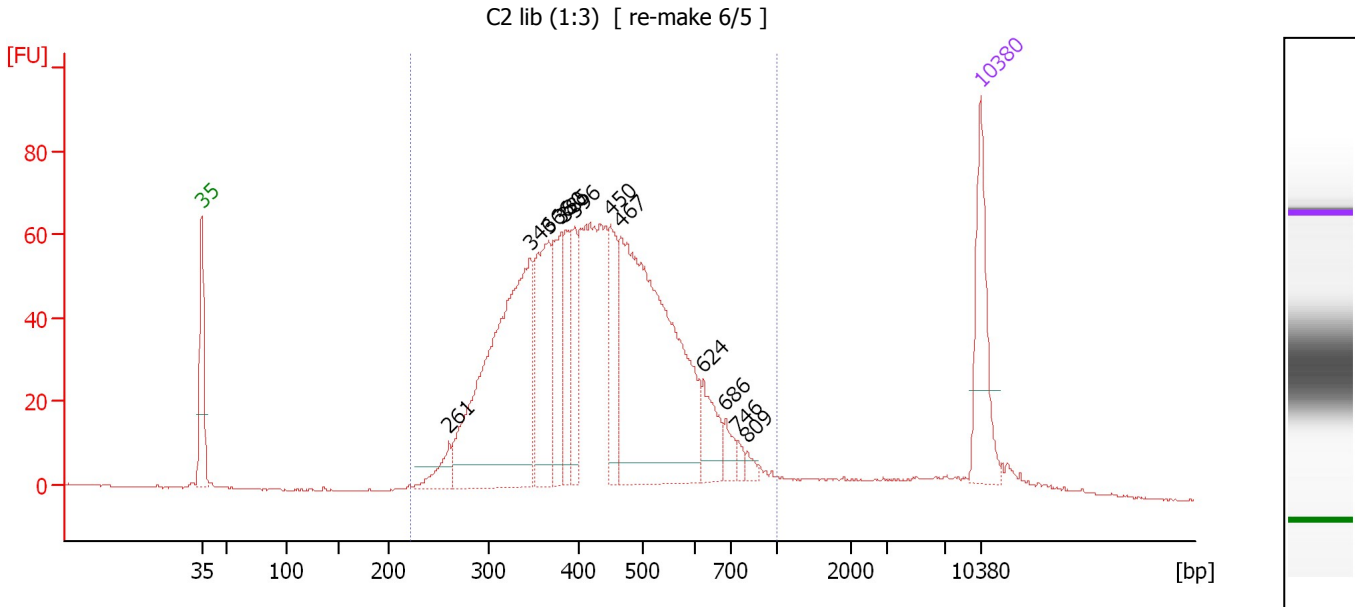
Region table for sample 7 : Pool 1 lib (1:4)

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
215	1,228	410	8,642.8	2,132.25	1,771.5	98	27.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_002.xad

Created: 6/6/2014 10:38:04 AM
 Modified: 6/6/2014 12:37:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : C2 lib (1:3)

Number of peaks found: 12 Corr. Area 1: 1,501.8
 Noise: 0.1

Peak table for sample 8 : C2 lib (1:3)

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	261	31.78	184.8	
3	346	425.12	1,860.8	
4	366	145.54	602.1	
5	380	93.71	373.2	
6	385	67.94	267.3	
7	396	57.84	221.4	
8	450	79.52	267.8	
9	467	452.90	1,470.6	
10	624	43.21	104.8	
11	686	17.49	38.6	
12	746	7.57	15.4	
13	809	6.64	12.5	
14	10,380	75.00	10.9	Upper Marker

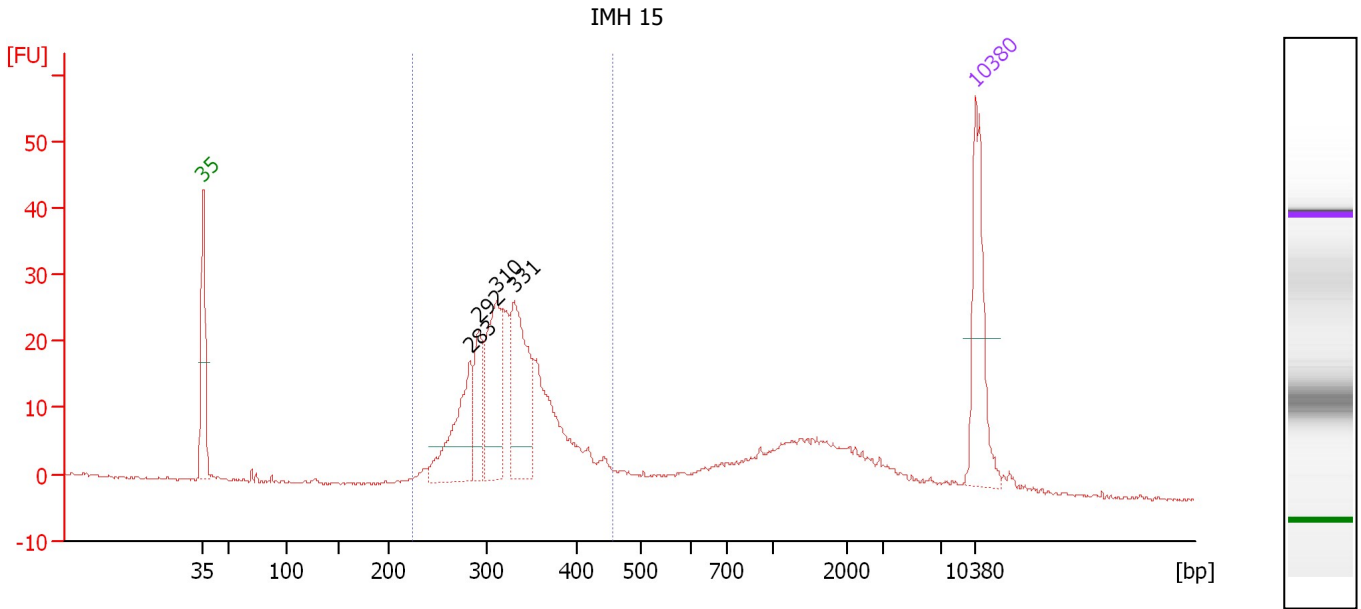
Region table for sample 8 : C2 lib (1:3)

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
222	1,000	441	6,668.7	1,770.56	1,501.8	94	27.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_002.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : IMH 15

Number of peaks found: 4 Corr. Area 1: 317.3
 Noise: 0.2

Peak table for sample 9 : IMH 15

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	283	101.77	544.7	
3	292	56.87	294.9	
4	310	121.66	593.7	
5	331	129.25	592.2	
6	10,380	75.00	10.9	Upper Marker

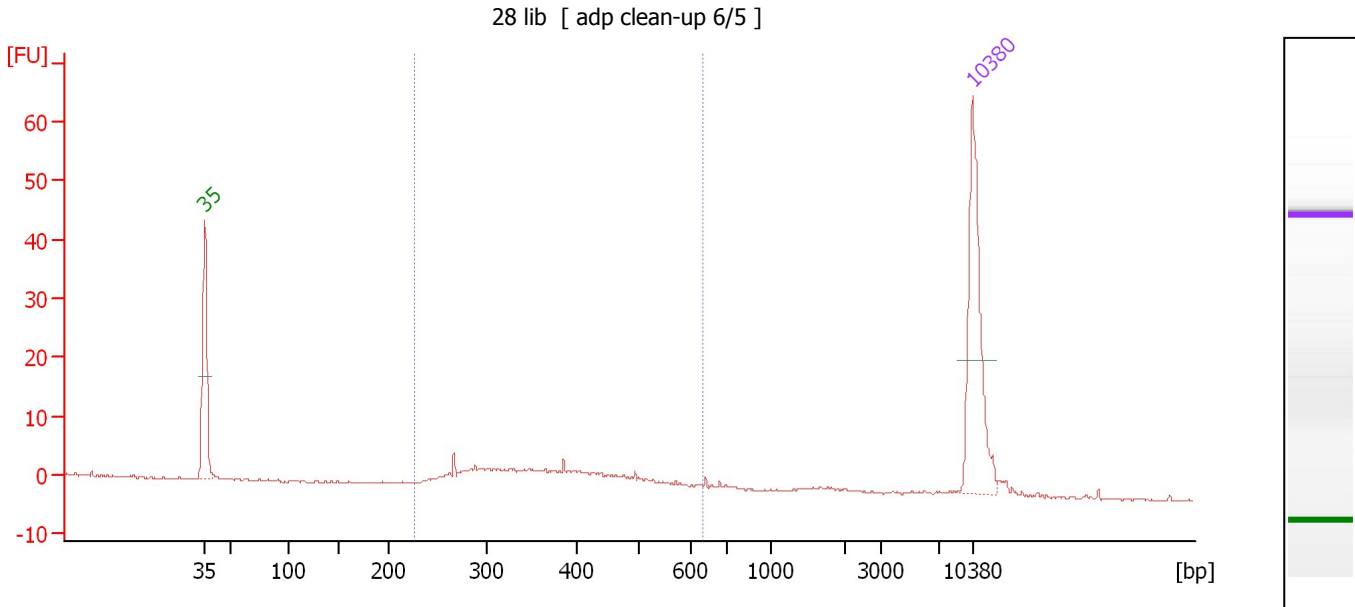
Region table for sample 9 : IMH 15

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
225	458	327	2,945.9	622.95	317.3	69	13.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_002.xad

Created: 6/6/2014 10:38:04 AM
 Modified: 6/6/2014 12:37:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 28 lib

Number of peaks found: 0 Corr. Area 1: 67.4
 Noise: 0.1

Peak table for sample 10 : 28 lib

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

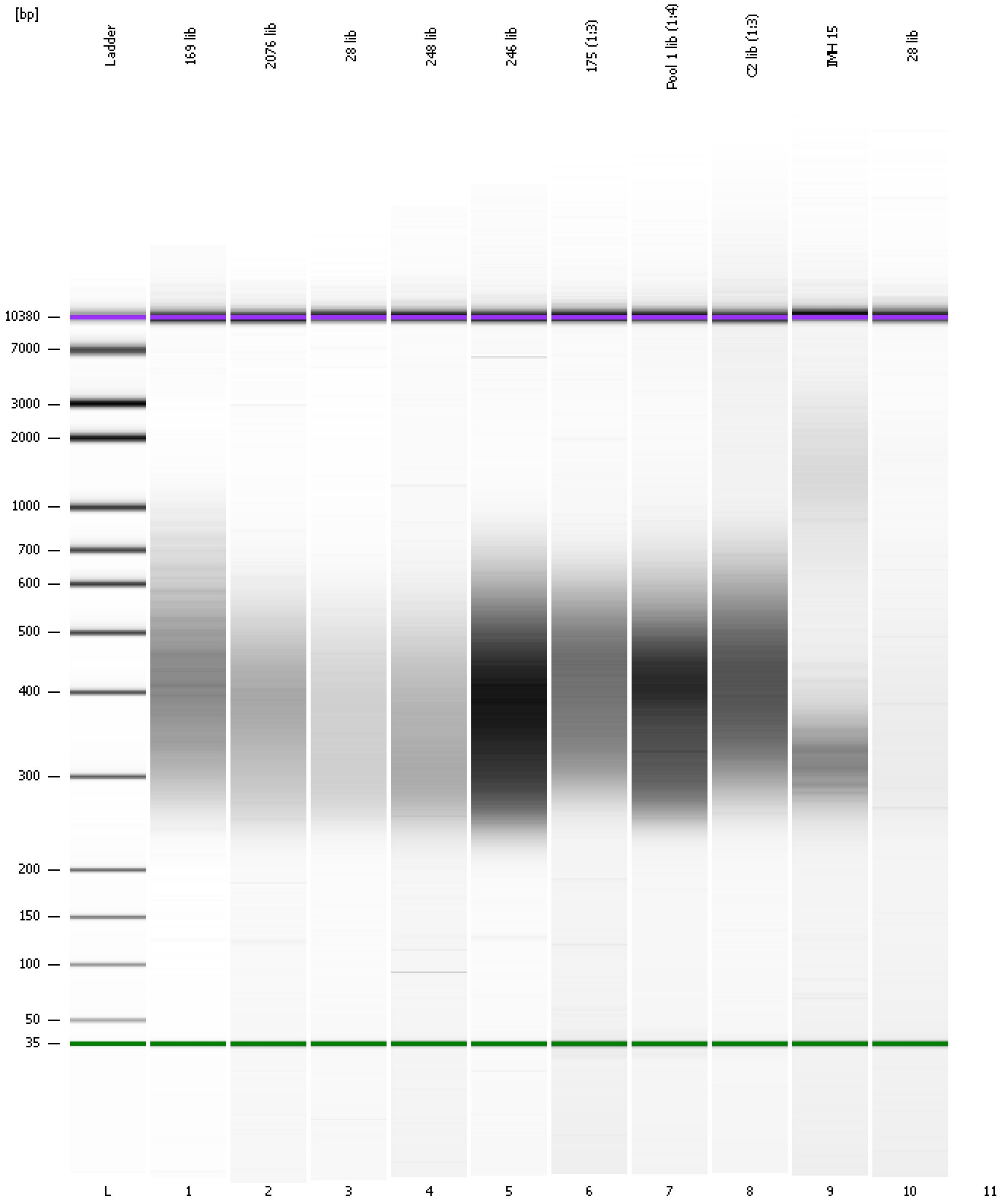
Region table for sample 10 : 28 lib

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Co Corr. lor Area	% of Total	Size distribution in CV [%]
226	635	381	455.6	106.00	67.4	81	23.7

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_002.xad

Created: 6/6/2014 10:38:04 AM
Modified: 6/6/2014 12:37:43 PM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-06-06\2014-06-06_002.xad

Created: 6/6/2014 10:38:04 AM
Modified: 6/6/2014 12:37:43 PM

Invalid Samples

Sample 11 has not been run, no results available.