

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2013-08-28\2013-08-28_002.xad

Created: 8/28/2013 10:25:49 AM
Modified: 8/28/2013 11:04:20 AM

Electrophoresis File Run Summary

Instrument Information:

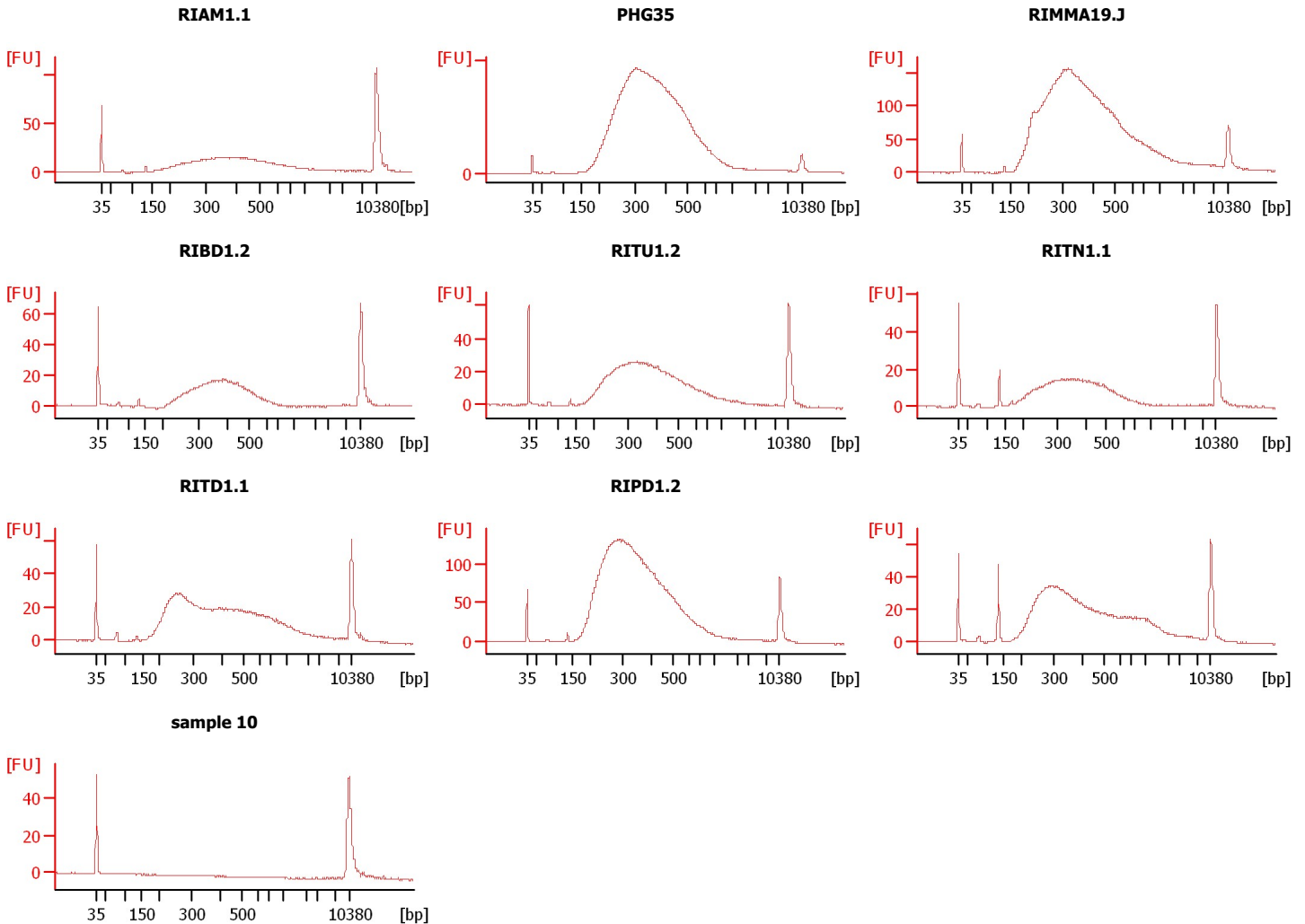
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
RIAM1.1		<input type="checkbox"/>	✓			
PHG35		<input type="checkbox"/>	✓			
RIMMA19.J		<input type="checkbox"/>	✓			
RIBD1.2		<input type="checkbox"/>	✓			
RITU1.2		<input type="checkbox"/>	✓			
RITN1.1		<input type="checkbox"/>	✓			
RITD1.1		<input type="checkbox"/>	✓			
RIPD1.2		<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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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

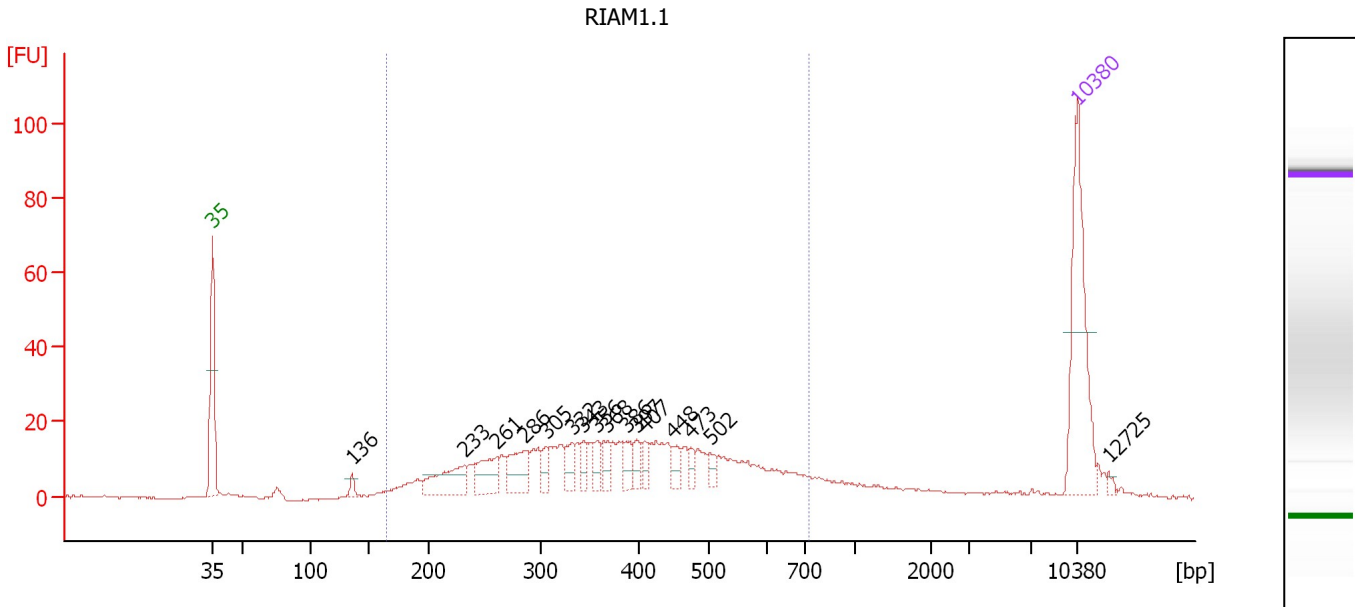
Ladder

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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Electropherogram Summary



Overall Results for sample 1 : RIAM1.1

Number of peaks found: 16 Corr. Area 1: 497.7
 Noise: 0.2

Peak table for sample 1 : RIAM1.1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	136	7.13	79.7	
3	233	40.26	262.2	
4	261	30.29	175.9	
5	286	31.53	166.9	
6	305	10.31	51.3	
7	332	15.09	68.9	
8	343	10.46	46.2	
9	356	10.92	46.5	
10	368	12.17	50.2	
11	386	12.73	50.0	
12	397	10.55	40.3	
13	407	9.56	35.6	
14	448	9.30	31.5	
15	473	6.91	22.1	
16	502	6.66	20.1	
17	10,380	75.00	10.9	Upper Marker
18	12,725	0.00	0.0	

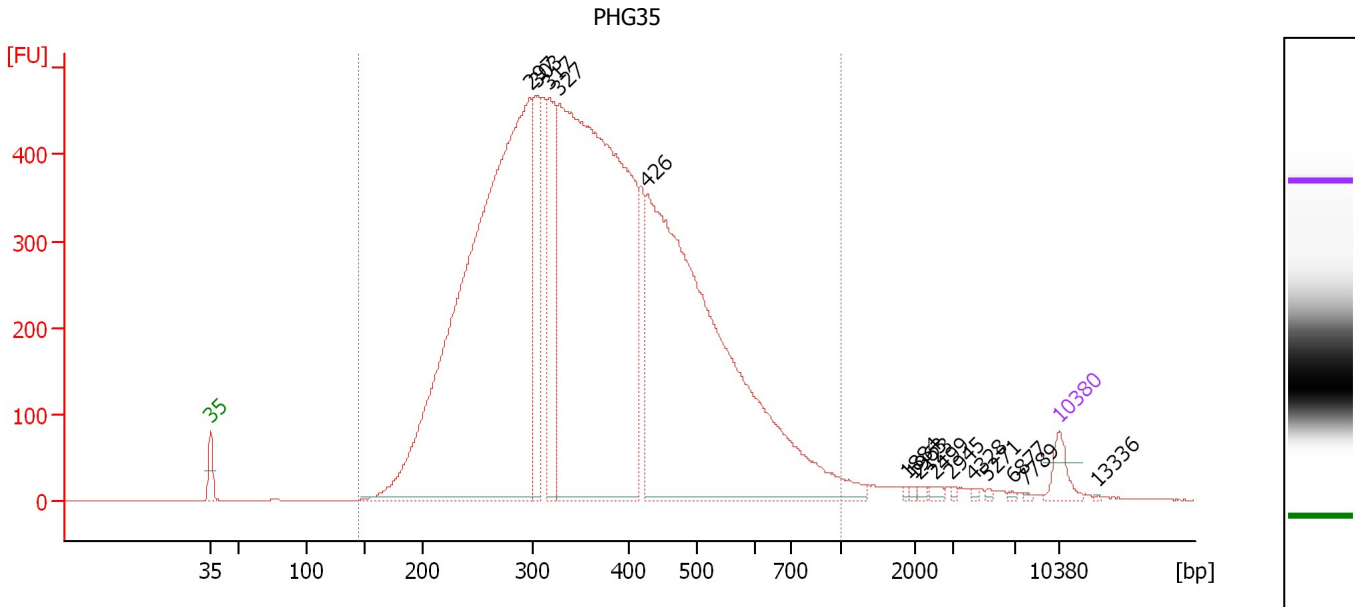
Region table for sample 1 : RIAM1.1

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
165	720	387	2,269.7	496.78	497.7	87	31.5	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 2 : PHG35

Number of peaks found: 15 Corr. Area 1: 13,376.7
 Noise: 0.3

Peak table for sample 2 : PHG35

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	297	5,302.68	27,029.6	
3	303	599.07	2,996.7	
4	317	679.47	3,245.4	
5	327	4,829.77	22,369.9	
6	426	3,806.48	13,547.0	
7	1,884	7.33	5.9	
8	1,963	7.27	5.6	
9	2,123	9.93	7.1	
10	2,499	15.97	9.7	
11	2,945	7.22	3.7	
12	4,328	7.66	2.7	
13	5,271	6.47	1.9	
14	6,877	6.10	1.3	
15	7,789	4.17	0.8	
16	10,380	75.00	10.9	Upper Marker
17	13,336	0.00	0.0	

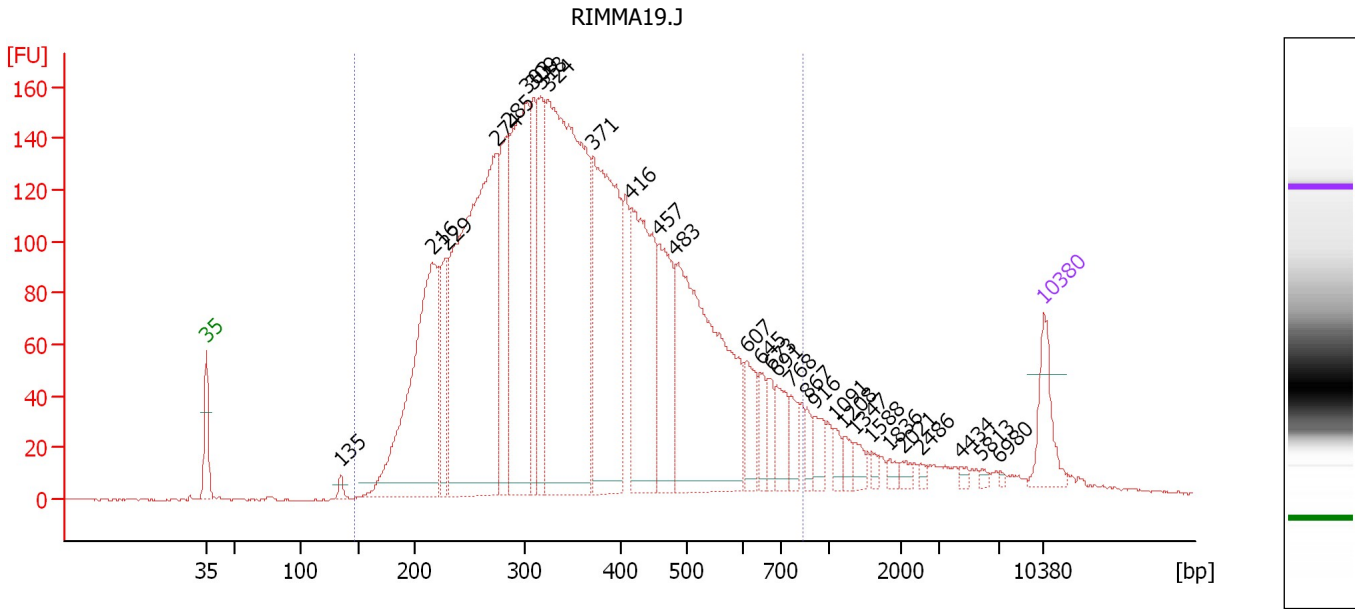
Region table for sample 2 : PHG35

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
146	1,000	374	72,762.8	15,732.22	13,376.7	98	32.7	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 3 : RIMMA19.J

Number of peaks found: 30 Corr. Area 1: 4,691.1
 Noise: 0.5

Peak table for sample 3 : RIMMA19.J

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	135	15.09	169.8	
3	216	729.39	5,105.5	
4	229	162.97	1,080.2	
5	274	1,218.47	6,732.7	
6	285	288.37	1,531.1	
7	303	606.56	3,036.1	
8	309	207.40	1,015.6	
9	318	220.23	1,050.1	
10	324	1,205.83	5,630.9	
11	371	629.76	2,569.6	
12	416	444.36	1,619.9	
13	457	248.02	822.2	
14	483	693.18	2,176.7	
15	607	81.22	202.8	
16	645	51.76	121.6	
17	673	40.53	91.2	
18	691	69.05	151.5	
19	768	39.65	78.2	
20	867	26.22	45.8	
21	916	38.33	63.4	
22	1,091	20.21	28.1	
23	1,208	20.60	25.8	
24	1,347	23.15	26.0	
25	1,588	9.83	9.4	
26	1,836	11.65	9.6	

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Electropherogram Summary Continued ...

... Peak table for sample 3 : RIMMA19.J

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	2,021	12.30	9.2	
28	2,486	6.60	4.0	
29	4,434	6.88	2.3	
30	5,813	5.81	1.5	
31	6,980	3.35	0.7	
32	10,380	75.00	10.9	Upper Marker

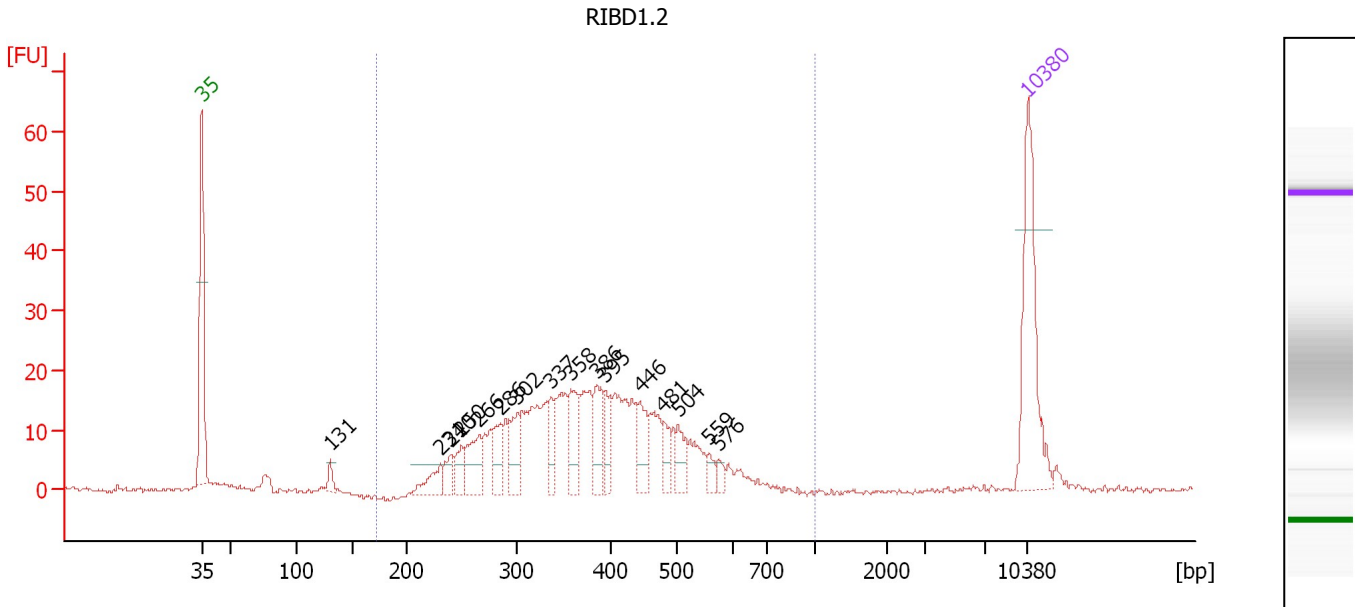
Region table for sample 3 : RIMMA19.J

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
148	840	373	34,410.2	7,260.00	4,691.1	93	34.4	

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Electropherogram Summary Continued ...



Overall Results for sample 4 : RIBD1.2

Number of peaks found: 16 Corr. Area 1: 391.5
 Noise: 0.4

Peak table for sample 4 : RIBD1.2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	131	9.11	105.3	
3	231	20.29	133.3	
4	240	15.51	98.1	
5	250	17.02	103.2	
6	266	34.95	199.3	
7	286	22.88	121.3	
8	302	30.43	152.7	
9	337	21.27	95.5	
10	358	35.23	148.9	
11	386	32.62	128.2	
12	395	19.85	76.1	
13	446	27.50	93.5	
14	481	15.39	48.5	
15	504	19.01	57.2	
16	559	7.69	20.9	
17	576	6.72	17.7	
18	10,380	75.00	10.9	Upper Marker

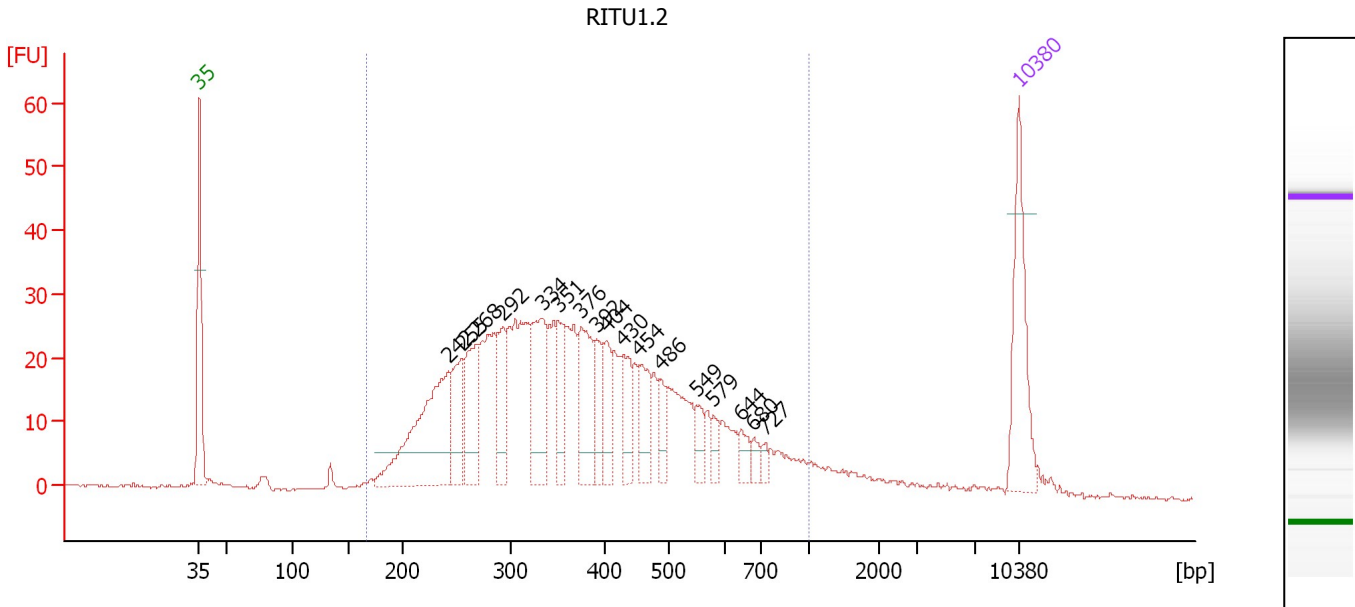
Region table for sample 4 : RIBD1.2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
172	1,000	386	2,642.4	618.72	391.5	96	24.2	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 5 : RITU1.2

Number of peaks found: 17 Corr. Area 1: 859.2
 Noise: 0.2

Peak table for sample 5 : RITU1.2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	242	202.90	1,268.5	
3	255	62.24	370.2	
4	268	79.73	451.3	
5	292	55.81	289.7	
6	334	97.31	442.1	
7	351	47.68	206.1	
8	376	78.78	317.7	
9	392	40.90	158.2	
10	404	38.94	146.2	
11	430	40.34	142.3	
12	454	43.53	145.2	
13	486	22.08	68.8	
14	549	19.24	53.1	
15	579	13.01	34.0	
16	644	14.38	33.8	
17	680	10.20	22.7	
18	727	6.27	13.1	
19	10,380	75.00	10.9	Upper Marker

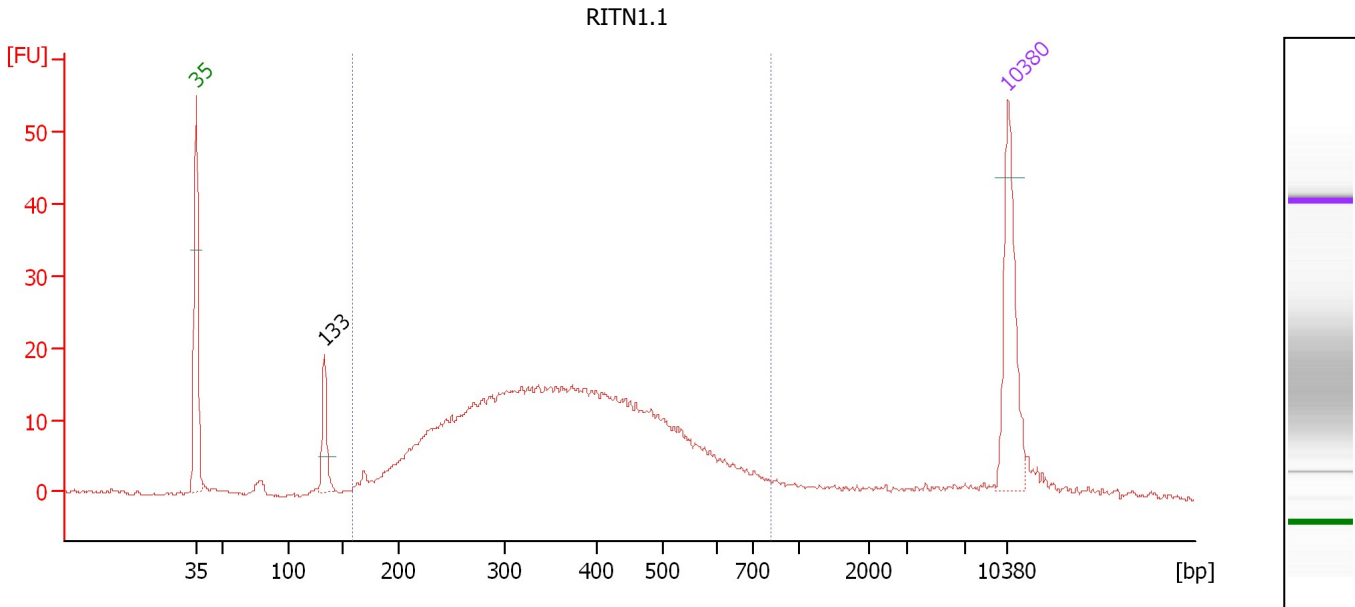
Region table for sample 5 : RITU1.2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
168	1,000	393	7,309.6	1,603.07	859.2	93	37.2	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 6 : RITN1.1

Number of peaks found: 1 Corr. Area 1: 464.7
 Noise: 0.2

Peak table for sample 6 : RITN1.1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	133	45.16	514.1	
3	10,380	75.00	10.9	Upper Marker

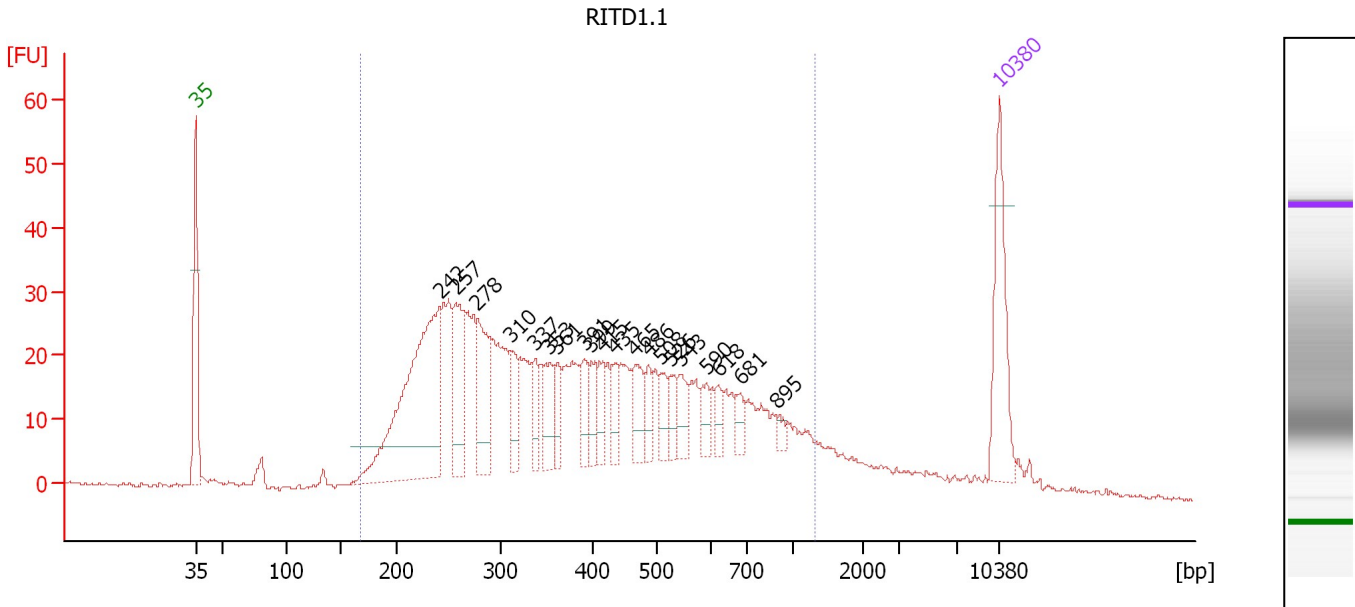
Region table for sample 6 : RITN1.1

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
158	825	377	4,426.0	954.65	464.7	90	31.4	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 7 : RITD1.1

Number of peaks found: 20 Corr. Area 1: 973.9
 Noise: 0.4

Peak table for sample 7 : RITD1.1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	242	333.89	2,092.5	
3	257	100.42	592.2	
4	278	85.34	465.7	
5	310	41.00	200.2	
6	337	28.53	128.2	
7	353	41.13	176.6	
8	361	25.90	108.6	
9	391	32.07	124.4	
10	399	27.20	103.4	
11	415	26.71	97.6	
12	435	22.31	77.8	
13	465	37.93	123.5	
14	486	19.65	61.3	
15	508	22.19	66.2	
16	526	22.17	63.9	
17	543	24.66	68.8	
18	590	17.93	46.0	
19	618	14.51	35.6	
20	681	14.81	32.9	
21	895	7.77	13.2	
22	10,380	75.00	10.9	Upper Marker

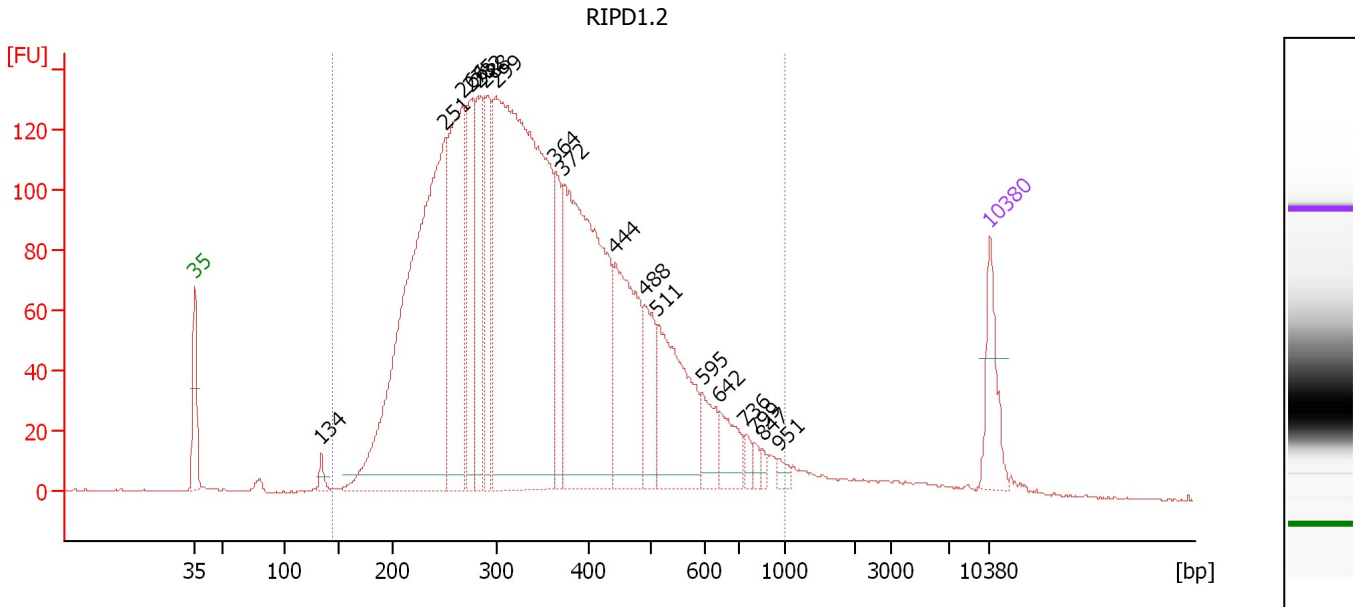
Region table for sample 7 : RITD1.1

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
168	1,301	428	8,825.3	1,915.11	973.9	91	48.8	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 8 : RIPD1.2

Number of peaks found: 18 Corr. Area 1: 3,815.1
 Noise: 0.3

Peak table for sample 8 : RIPD1.2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	134	21.50	243.9	
3	251	1,175.54	7,109.2	
4	266	467.77	2,660.6	
5	275	239.85	1,321.1	
6	282	210.22	1,130.6	
7	288	179.13	941.2	
8	299	1,438.09	7,297.2	
9	364	137.65	573.5	
10	372	740.09	3,015.5	
11	444	295.48	1,008.9	
12	488	111.86	347.1	
13	511	259.33	769.1	
14	595	63.12	160.7	
15	642	63.51	149.9	
16	736	15.04	31.0	
17	799	13.22	25.1	
18	847	9.56	17.1	
19	951	11.39	18.1	
20	10,380	75.00	10.9	Upper Marker

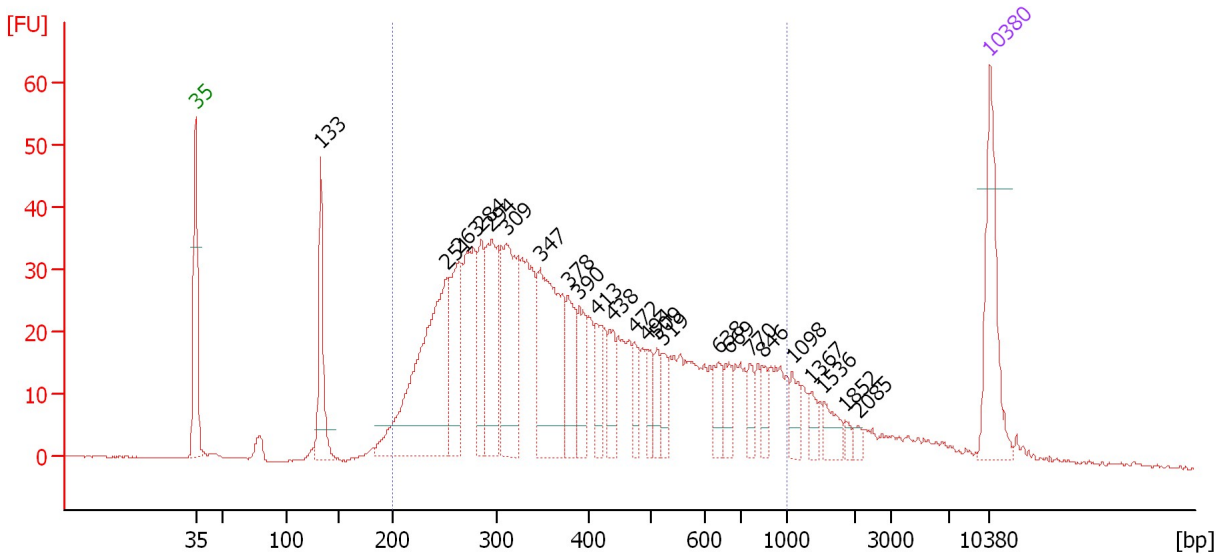
Region table for sample 8 : RIPD1.2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
144	1,000	361	26,962.1	5,533.20	3,815.1	97	35.9	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 9 :

Number of peaks found: 24 Corr. Area 1: 1,040.6
 Noise: 0.2

Peak table for sample 9 :

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	133	100.51	1,147.9	
3	251	271.56	1,637.9	
4	263	107.16	616.2	
5	284	59.73	318.1	
6	294	121.68	626.7	
7	309	143.89	705.1	
8	347	170.66	745.5	
9	378	54.15	217.1	
10	390	44.65	173.6	
11	413	30.64	112.4	
12	438	32.31	111.7	
13	472	22.98	73.8	
14	494	23.13	71.0	
15	509	20.85	62.0	
16	519	20.12	58.7	
17	638	22.42	53.2	
18	669	22.40	50.7	
19	770	17.73	34.9	
20	846	14.64	26.2	
21	1,098	18.32	25.3	
22	1,367	14.41	16.0	
23	1,536	19.36	19.1	
24	1,852	5.07	4.1	
25	2,085	5.06	3.7	
26	10,380	75.00	10.9	Upper Marker

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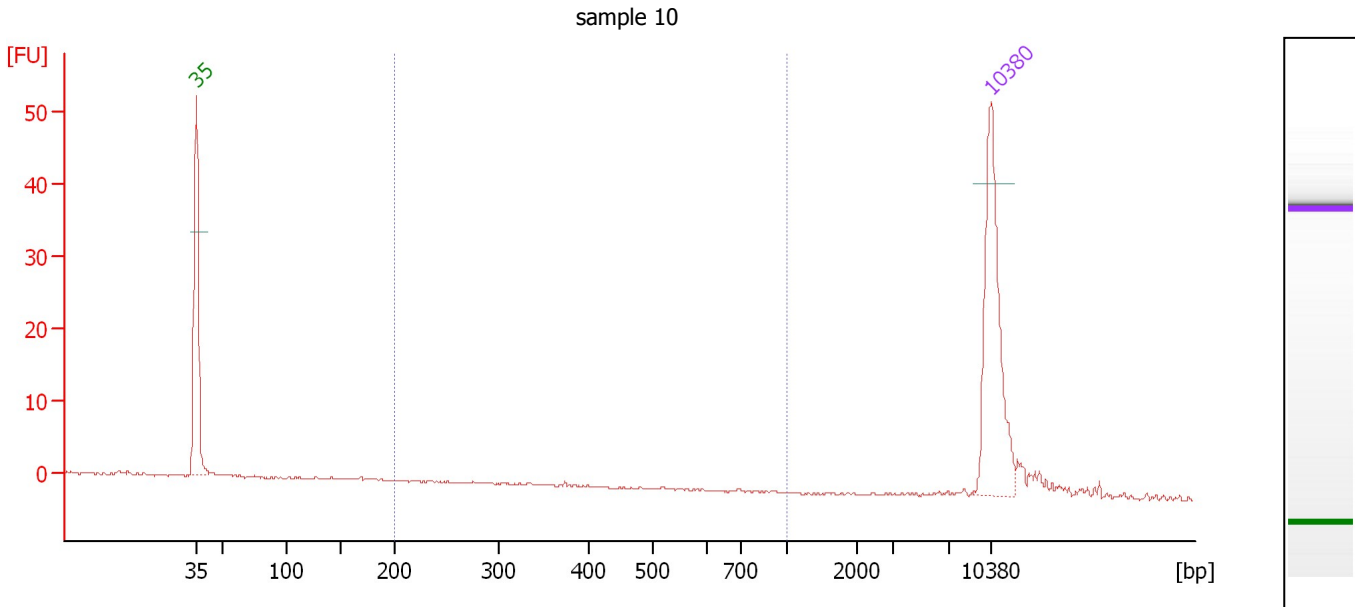
Electropherogram Summary Continued ...**... Region table for sample 9 :**

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	416	8,281.8	1,869.53	1,040.6	85	42.0	

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Electropherogram Summary Continued ...



Overall Results for sample 10 : sample 10

Number of peaks found: 0 Corr. Area 1: 0.1
 Noise: 0.2

Peak table for sample 10 : sample 10

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 : 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	329	0.7	0.15	0.1	1	19.2	Blue

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Invalid Samples

Sample 11 has not been run, no results available.