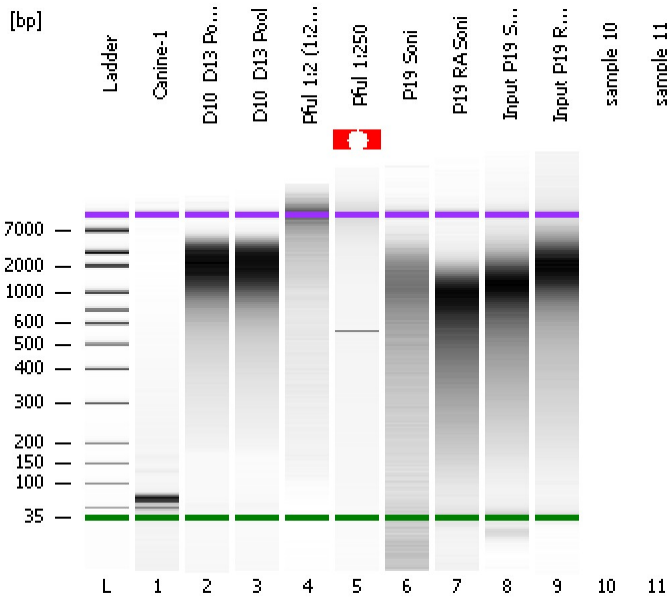


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-22\2014-01-22_007.xad

Created: 1/22/2014 5:29:09 PM
 Modified: 1/22/2014 6:12:41 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

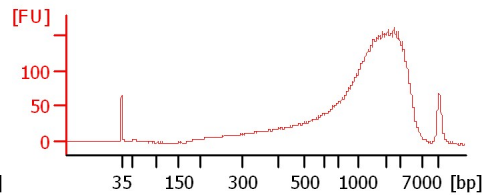
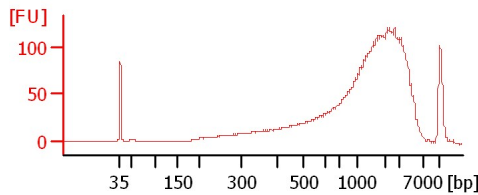
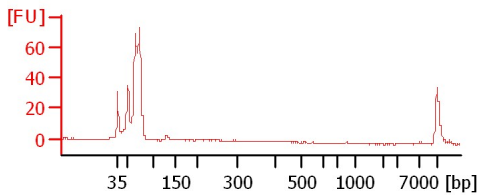
Chip Information:

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

Canine-1

D10_D13 Pool 1:2

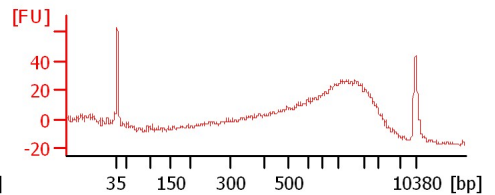
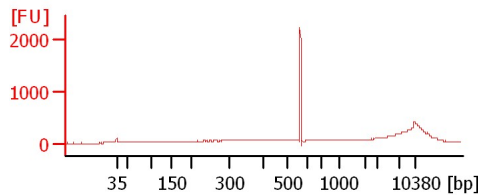
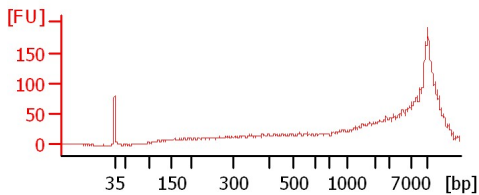
D10_D13 Pool



Pful 1:2 (1:250)

Pful 1:250

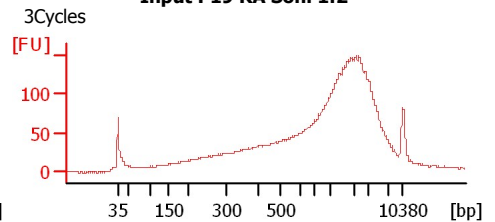
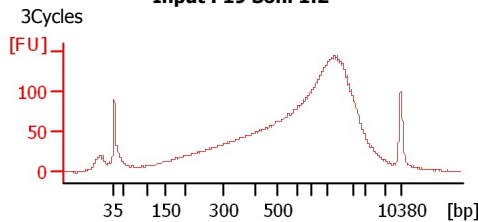
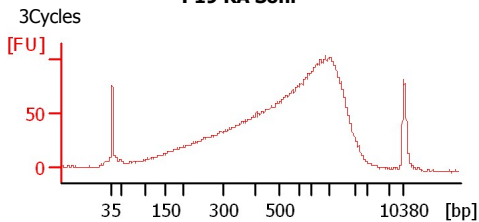
P19 Soni



P19 RA Soni

Input P19 Soni 1:2

Input P19 RA Soni 1:2



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-22\2014-01-22_007.xad

Created: 1/22/2014 5:29:09 PM
Modified: 1/22/2014 6:12:41 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Canine-1		<input type="checkbox"/>	✓			
D10_D13 Pool 1:2		<input type="checkbox"/>	✓			
D10_D13 Pool		<input type="checkbox"/>	✓			
Pful 1:2 (1:250)		<input type="checkbox"/>	✓			
Pful 1:250		<input type="checkbox"/>	⚠			
P19 Soni	3Cycles	<input type="checkbox"/>	✓			
P19 RA Soni	3Cycles	<input type="checkbox"/>	✓			
Input P19 Soni 1:2	3Cycles	<input type="checkbox"/>	✓			
Input P19 RA Soni 1:2	3Cycles	<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:\...ents and Settings\Bioanalyzer\2014-01-22\2014-01-22_007.xad

Created: 1/22/2014 5:29:09 PM
Modified: 1/22/2014 6:12:41 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

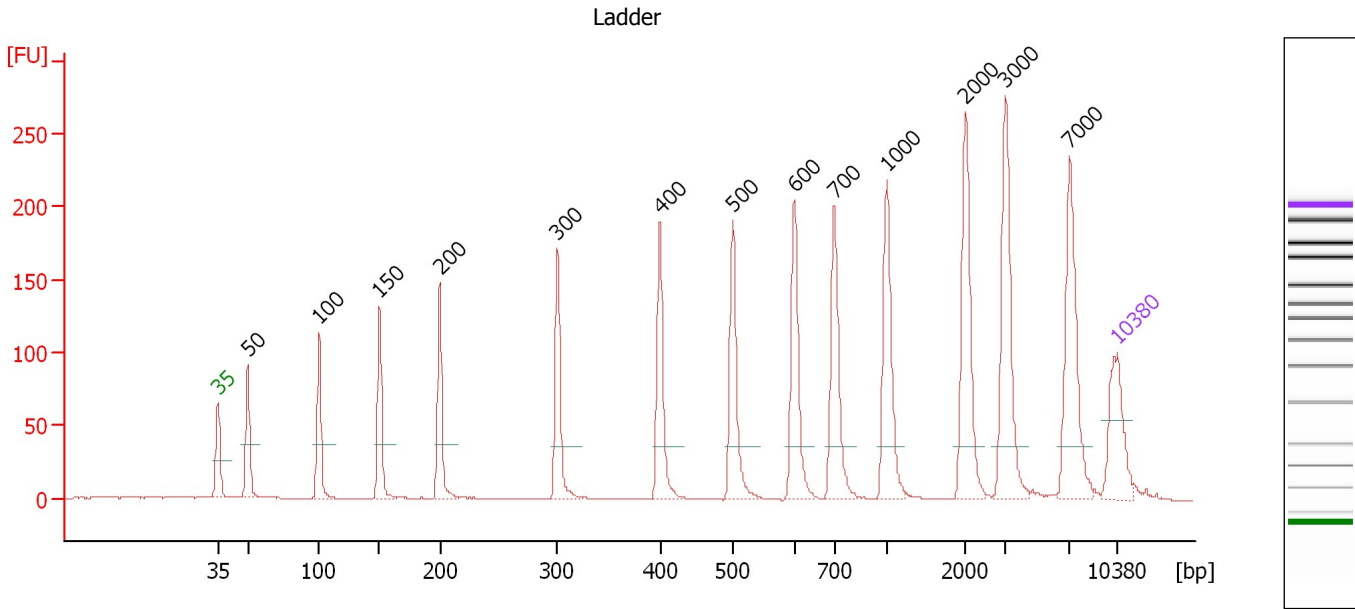
Ladder

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:\...ents and Settings\Bioanalyzer\2014-01-22\2014-01-22_007.xad

Created: 1/22/2014 5:29:09 PM
 Modified: 1/22/2014 6:12:41 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

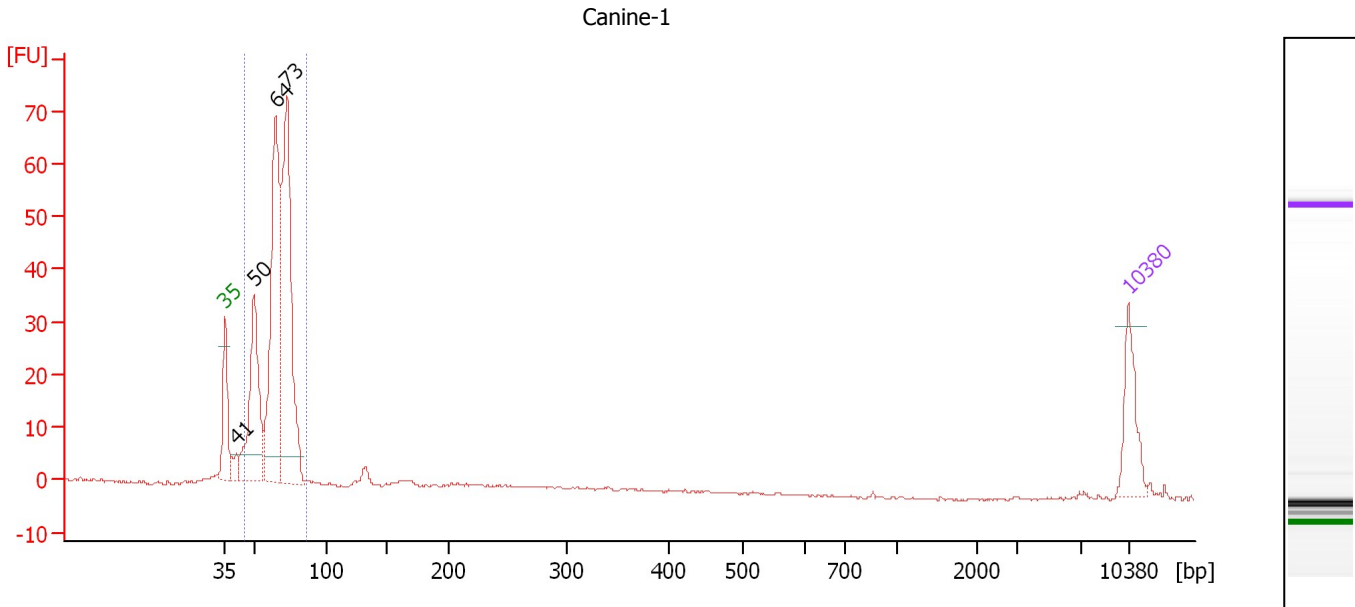
Peak table for Ladder

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	45.33	50	150.00	4,545.5	Ladder Peak
3	50.89	100	150.00	2,272.7	Ladder Peak
4	55.58	150	150.00	1,515.2	Ladder Peak
5	60.27	200	150.00	1,136.4	Ladder Peak
6	69.45	300	150.00	757.6	Ladder Peak
7	77.42	400	150.00	568.2	Ladder Peak
8	83.11	500	150.00	454.5	Ladder Peak
9	87.88	600	150.00	378.8	Ladder Peak
10	91.00	700	150.00	324.7	Ladder Peak
11	95.11	1,000	150.00	227.3	Ladder Peak
12	101.25	2,000	150.00	113.6	Ladder Peak
13	104.32	3,000	150.00	75.8	Ladder Peak
14	109.30	7,000	150.00	32.5	Ladder Peak
15	113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-22\2014-01-22_007.xad

Created: 1/22/2014 5:29:09 PM
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Electropherogram Summary Continued ...



Overall Results for sample 1 : Canine-1

Number of peaks found: 4 Corr. Area 1: 343.3
 Noise: 0.2

Peak table for sample 1 : Canine-1

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	43.87	41	30.99	1,156.6	
3	45.27	50	334.83	10,217.0	
4	46.92	64	595.06	14,008.0	
5	47.83	73	640.33	13,376.5	
6	113.00	10,380	75.00	10.9	Upper Marker

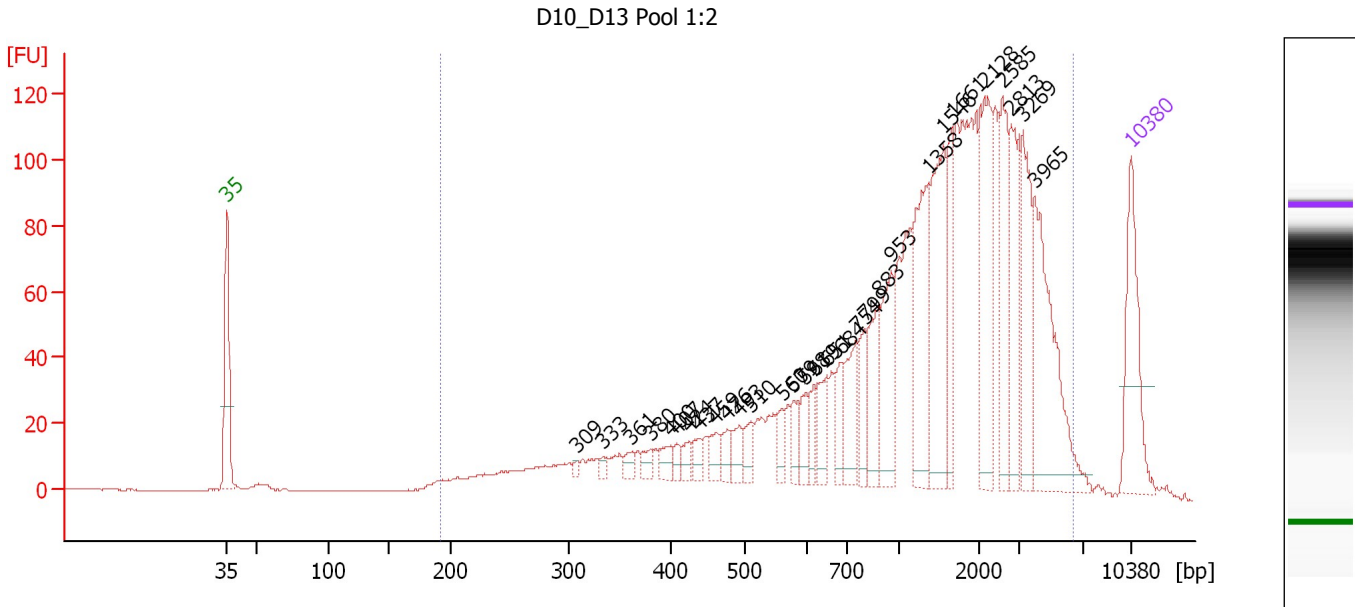
Region table for sample 1 : Canine-1

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
44	87	65	36,997.4	1,561.76	343.3	92	13.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-22\2014-01-22_007.xad

Created: 1/22/2014 5:29:09 PM
 Modified: 1/22/2014 6:12:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : D10 D13 Pool 1:2

Number of peaks found: 30 Corr. Area 1: 2,203.0
 Noise: 0.2

Peak table for sample 2 : D10 D13 Pool 1:2

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	70.13	309	4.69	23.0	
3	72.12	333	6.07	27.6	
4	74.35	361	10.58	44.4	
5	75.83	380	11.81	47.1	
6	77.40	400	15.87	60.2	
7	77.81	407	8.26	30.8	
8	78.81	424	13.11	46.8	
9	79.51	437	12.90	44.8	
10	80.79	459	17.69	58.4	
11	81.74	476	16.04	51.1	
12	82.69	493	20.56	63.2	
13	83.60	510	19.04	56.5	
14	85.99	560	16.51	44.6	
15	86.90	579	18.10	47.3	
16	87.77	598	21.43	54.3	
17	88.47	619	17.75	43.5	
18	89.46	651	31.32	72.9	
19	90.49	684	24.23	53.7	
20	91.73	754	50.18	100.9	
21	92.35	799	33.44	63.4	
22	93.51	883	48.74	83.6	
23	94.46	953	66.85	106.3	
24	97.31	1,358	104.50	116.6	
25	98.46	1,546	110.07	107.8	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-22\2014-01-22_007.xad


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 Modified: 1/22/2014 6:12:41 PM

Electropherogram Summary Continued ...

... Peak table for sample 2 : D10 D13 Pool 1:2

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	99.17	1,661	48.94	44.7	
27	101.64	2,128	103.94	74.0	
28	103.05	2,585	74.68	43.8	
29	103.75	2,813	59.88	32.3	
30	104.66	3,269	73.92	34.3	
31	105.53	3,965	126.26	48.2	
32	113.00	10,380	75.00	10.9	Upper Marker

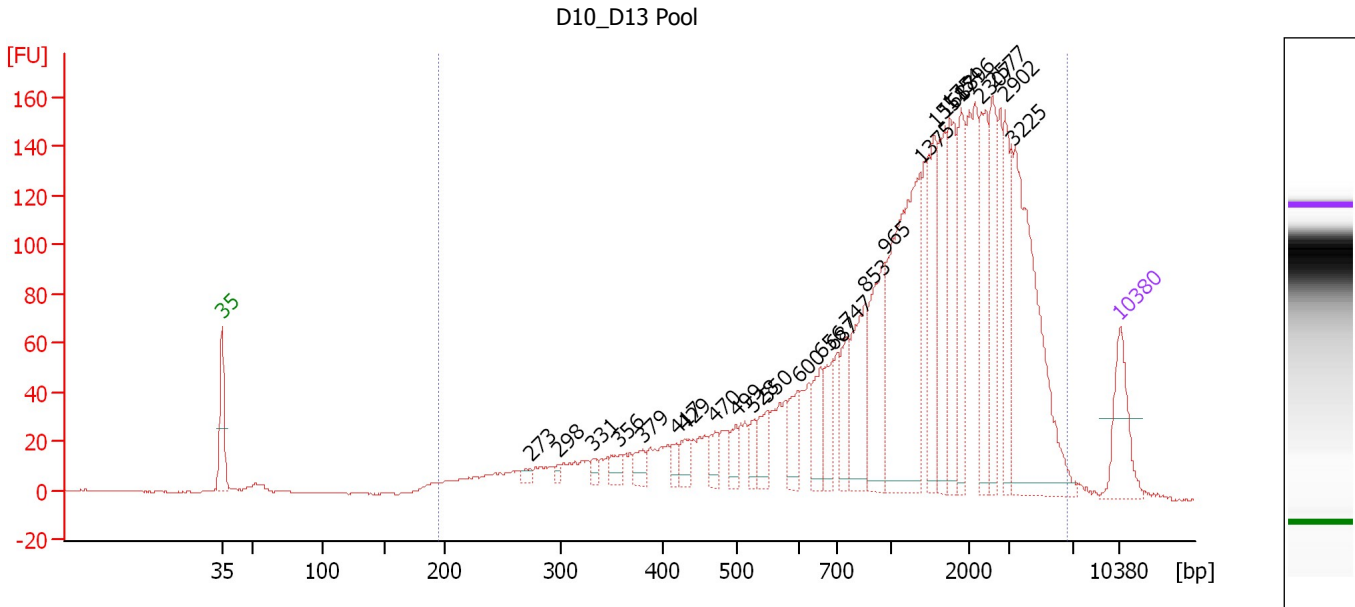
Region table for sample 2 : D10 D13 Pool 1:2

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
192	6,377	1,745	3,851.0	1,989.46	2,203.0	98	73.2	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-22\2014-01-22_007.xad

Created: 1/22/2014 5:29:09 PM
 Modified: 1/22/2014 6:12:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : D10_D13 Pool

Number of peaks found: 26 Corr. Area 1: 2,946.9
 Noise: 0.2

Peak table for sample 3 : D10_D13 Pool


Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	66.98	273	11.09	61.5	
3	69.23	298	9.70	49.4	
4	71.93	331	13.11	60.0	
5	73.93	356	23.36	99.4	
6	75.71	379	26.55	106.2	
7	78.37	417	18.75	68.2	
8	79.08	429	29.63	104.6	
9	81.41	470	28.83	92.9	
10	83.07	499	26.65	80.9	
11	84.44	528	25.01	71.8	
12	85.48	550	45.57	125.6	
13	87.89	600	46.99	118.6	
14	89.64	656	63.58	146.8	
15	90.60	687	54.37	119.9	
16	91.63	747	61.60	125.0	
17	93.09	853	126.79	225.3	
18	94.63	965	141.27	221.8	
19	97.41	1,375	347.17	382.5	
20	98.49	1,551	131.73	128.7	
21	99.32	1,687	107.50	96.6	
22	99.74	1,754	121.91	105.3	
23	100.61	1,896	108.51	86.7	
24	102.19	2,307	113.52	74.6	
25	103.02	2,577	101.78	59.8	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-22\2014-01-22_007.xad


Created: 1/22/2014 5:29:09 PM
 Modified: 1/22/2014 6:12:41 PM

Electropherogram Summary Continued ...

... Peak table for sample 3 : D10 D13 Pool

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
26	104.02	2,902	94.49	49.3	
27	104.60	3,225	316.05	148.5	
28	 113.00	10,380	75.00	10.9	Upper Marker

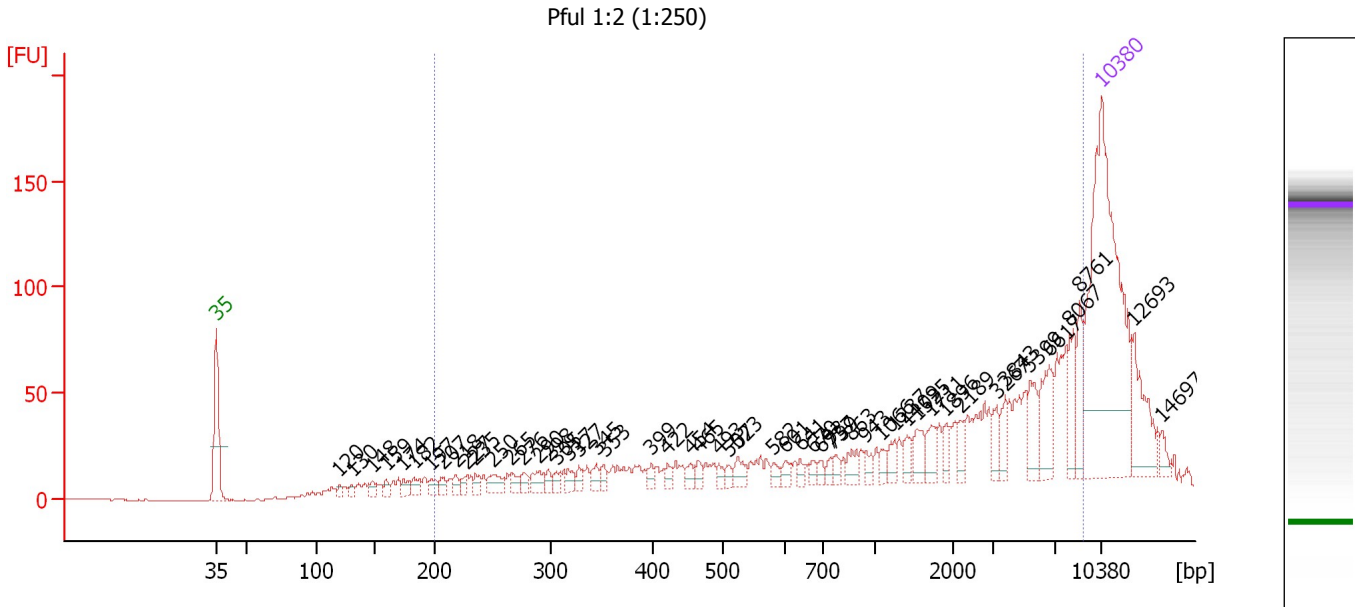
Region table for sample 3 : D10 D13 Pool

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/ μ l]	Corr. Area	% of Total	Size distribution in CV [%]	Color
195	6,642	1,735	6,191.5	3,253.68	2,946.9	98	72.8	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-22\2014-01-22_007.xad

Created: 1/22/2014 5:29:09 PM
 Modified: 1/22/2014 6:12:41 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Pful 1:2 (1:250)

Number of peaks found: 52 Corr. Area 1: 913.2
 Noise: 0.3

Peak table for sample 4 : Pful 1:2 (1:250)

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	52.74	120	2.07	26.2	
3	53.75	130	2.09	24.2	
4	55.35	148	2.88	29.5	
5	56.44	159	2.43	23.2	
6	57.79	174	3.24	28.2	
7	58.59	182	3.93	32.7	
8	59.98	197	3.39	26.1	
9	60.91	207	3.14	23.0	
10	61.96	218	2.71	18.8	
11	62.77	227	2.42	16.1	
12	63.44	235	3.06	19.8	
13	64.87	250	5.71	34.6	
14	66.26	265	3.21	18.3	
15	67.27	276	3.16	17.3	
16	68.54	290	4.87	25.4	
17	69.26	298	2.66	13.5	
18	69.85	305	2.53	12.6	
19	70.81	317	3.29	15.7	
20	71.62	327	2.74	12.7	
21	73.01	345	3.57	15.7	
22	73.64	353	2.58	11.1	
23	77.35	399	2.14	8.1	
24	78.65	422	2.45	8.8	
25	80.47	454	2.71	9.1	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-22\2014-01-22_007.xad


Created: 1/22/2014 5:29:09 PM
 Modified: 1/22/2014 6:12:41 PM

Electropherogram Summary Continued ...

... Peak table for sample 4 : Pful 1:2 (1:250)

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	81.10	465	2.52	8.2	
27	82.70	493	2.25	6.9	
28	83.46	507	1.92	5.7	
29	84.22	523	4.31	12.5	
30	87.04	582	2.25	5.9	
31	87.92	601	2.72	6.9	
32	89.15	641	1.97	4.7	
33	90.07	670	2.15	4.9	
34	90.79	693	1.80	3.9	
35	91.51	737	1.94	4.0	
36	91.80	759	2.17	4.3	
37	93.23	863	4.01	7.0	
38	94.33	943	2.38	3.8	
39	95.51	1,066	2.22	3.2	
40	96.56	1,237	3.13	3.8	
41	97.62	1,409	3.19	3.4	
42	98.33	1,525	5.10	5.1	
43	99.47	1,711	4.80	4.3	
44	100.61	1,896	3.03	2.4	
45	101.83	2,189	3.16	2.2	
46	104.66	3,267	4.11	1.9	
47	105.37	3,843	4.12	1.6	
48	107.31	5,399	7.89	2.2	
49	108.83	6,617	11.11	2.5	
50	110.47	8,067	8.21	1.5	
51	111.23	8,761	8.73	1.5	
52	113.00	10,380	75.00	10.9	Upper Marker
53	115.53	12,693	0.00	0.0	
54	117.72	14,697	0.00	0.0	

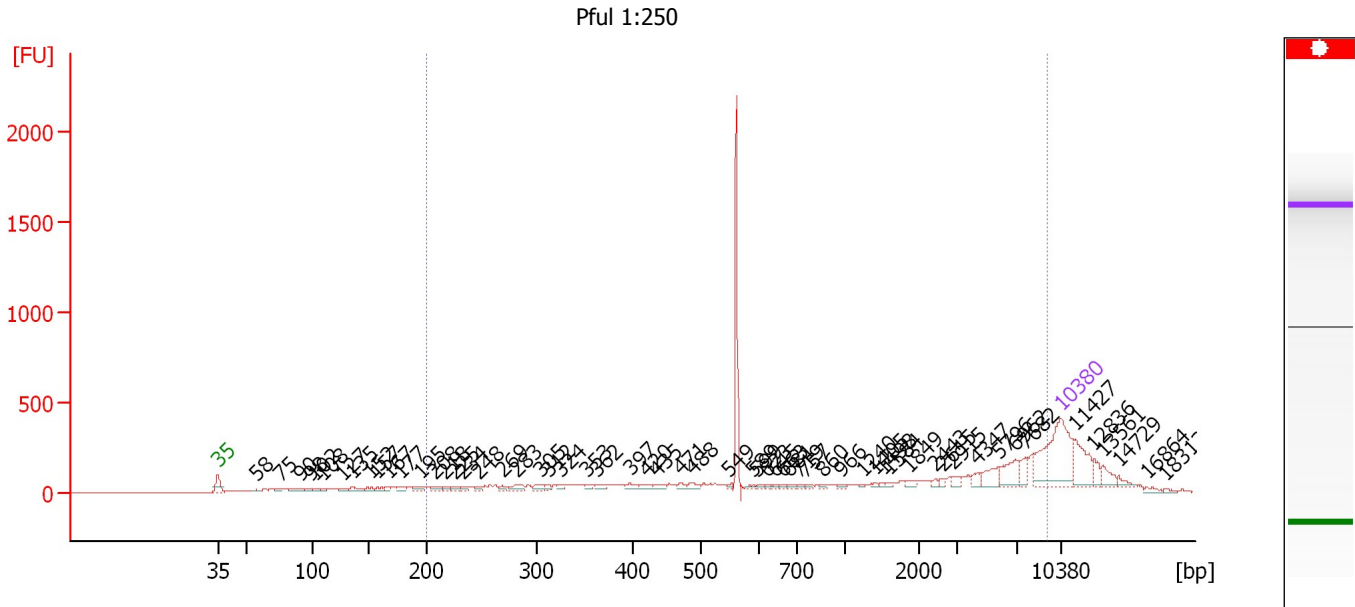
Region table for sample 4 : Pful 1:2 (1:250)

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	9,019	3,245	463.0	211.27	913.2	86	88.5	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-22\2014-01-22_007.xad

Created: 1/22/2014 5:29:09 PM
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Electropherogram Summary Continued ...



Overall Results for sample 5 : Pful 1:250

Number of peaks found: 59 Corr. Area 1: 3,670.5
 Noise: 0.8

Peak table for sample 5 : Pful 1:250


Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	46.21	58	2.79	72.9	
3	48.15	75	3.98	79.9	
4	49.82	90	8.99	150.6	
5	50.66	98	4.48	69.3	
6	51.10	102	3.88	57.5	
7	51.67	108	3.55	49.6	
8	53.43	127	5.42	64.6	
9	54.14	135	8.33	93.7	
10	55.72	152	5.12	51.2	
11	56.25	157	4.30	41.4	
12	57.22	167	3.87	35.0	
13	58.10	177	5.05	43.2	
14	59.82	195	5.72	44.4	
15	61.05	208	5.55	40.4	
16	61.89	218	4.72	32.9	
17	62.59	225	3.90	26.2	
18	63.38	234	4.39	28.5	
19	64.70	248	3.39	20.7	
20	66.60	269	3.27	18.4	
21	67.87	283	7.51	40.2	
22	69.86	305	6.03	29.9	
23	70.43	312	3.37	16.3	
24	71.40	324	3.23	15.1	
25	73.64	353	3.25	14.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-22\2014-01-22_007.xad

Created: 1/22/2014 5:29:09 PM
 Modified: 1/22/2014 6:12:41 PM

Electropherogram Summary Continued ...

... Peak table for sample 5 : Pful 1:250

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	74.39	362	5.80	24.3	
27	77.21	397	5.56	21.2	
28	78.57	420	5.70	20.5	
29	79.41	435	4.65	16.2	
30	81.43	471	3.43	11.0	
31	82.45	488	5.60	17.4	
32	85.44	549	2.26	6.2	
33	87.38	589	1.74	4.5	
34	87.82	599	1.64	4.2	
35	88.61	623	1.29	3.1	
36	89.27	645	1.52	3.6	
37	89.84	663	1.60	3.7	
38	90.42	681	1.97	4.4	
39	91.25	719	1.54	3.2	
40	91.78	757	1.54	3.1	
41	93.19	860	1.36	2.4	
42	94.64	966	1.60	2.5	
43	96.58	1,240	1.28	1.6	
44	97.59	1,405	1.41	1.5	
45	98.16	1,498	1.52	1.5	
46	98.69	1,584	1.49	1.4	
47	100.32	1,849	4.19	3.4	
48	102.61	2,443	2.81	1.7	
49	103.14	2,615	2.43	1.4	
50	104.06	2,915	4.43	2.3	
51	106.00	4,347	5.42	1.9	
52	107.81	5,796	14.19	3.7	
53	109.26	6,962	20.57	4.5	
54	110.05	7,682	9.46	1.9	
55	 113.00	10,380	75.00	10.9	Upper Marker
56	114.14	11,427	0.00	0.0	
57	115.69	12,836	0.00	0.0	
58	116.48	13,561	0.00	0.0	
59	117.75	14,729	0.00	0.0	
60	120.09	16,864	0.00	0.0	
61	121.67	18,313	0.00	0.0	

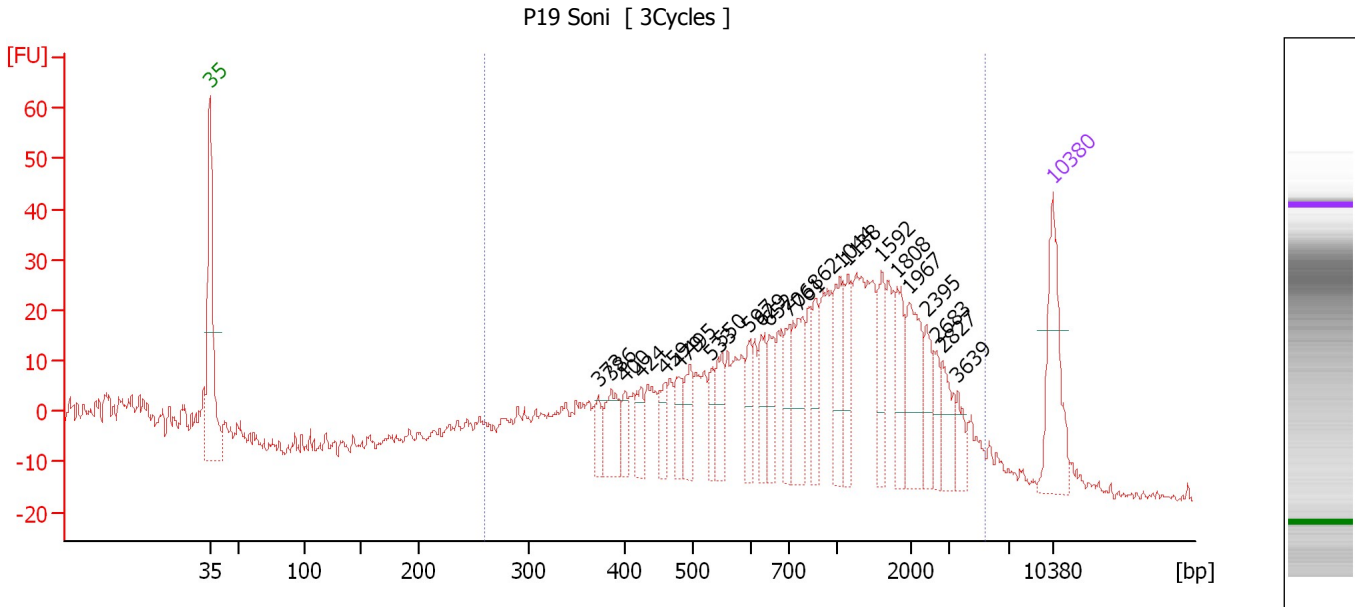
Region table for sample 5 : Pful 1:250

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
200	9,319	2,685	1,320.6	453.79	3,670.5	71	100.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-22\2014-01-22_007.xad

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Electropherogram Summary Continued ...



Setpoint Deviations for sample 6 : P19 Soni

Height Threshold [FU] : 15

Overall Results for sample 6 : P19 Soni

Number of peaks found: 24 Corr. Area 1: 825.3
 Noise: 0.9

Peak table for sample 6 : P19 Soni

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	75.28	373	21.22	86.2	
3	76.34	386	50.10	196.4	
4	77.45	400	20.46	77.4	
5	78.77	424	32.19	115.1	
6	80.77	459	27.01	89.2	
7	81.92	479	29.26	92.5	
8	82.85	495	36.37	111.2	
9	84.66	533	24.27	69.1	
10	85.50	550	37.77	104.0	
11	87.72	597	27.43	69.7	
12	88.78	629	37.40	90.1	
13	89.49	652	33.74	78.5	
14	91.08	706	33.47	71.8	
15	91.84	761	65.75	130.9	
16	93.21	862	38.59	67.9	
17	95.38	1,044	57.31	83.1	
18	95.95	1,138	36.68	48.8	
19	98.74	1,592	38.50	36.6	
20	100.07	1,808	43.12	36.1	
21	101.05	1,967	64.52	49.7	
22	102.46	2,395	30.78	19.5	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-22\2014-01-22_007.xad


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Electropherogram Summary Continued ...

... Peak table for sample 6 : P19 Soni

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
23	103.35	2,683	18.46	10.4	
24	103.79	2,827	32.24	17.3	
25	105.12	3,639	17.02	7.1	
26	▶ 113.00	10,380	75.00	10.9	Upper Marker

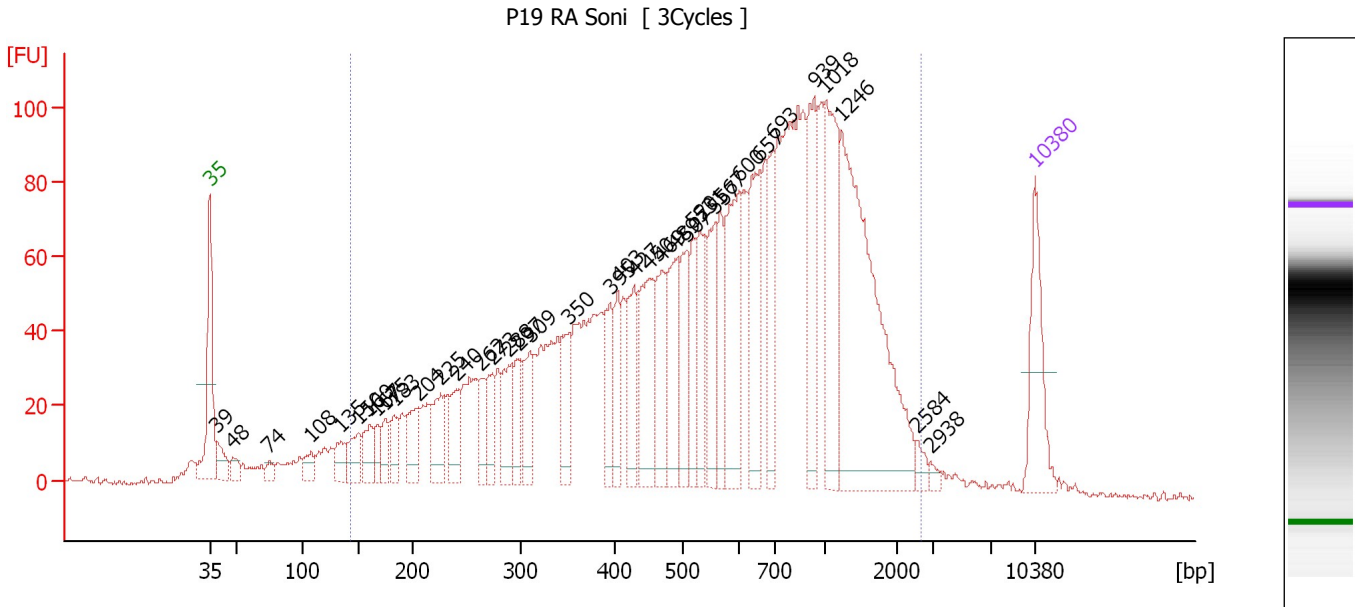
Region table for sample 6 : P19 Soni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
261	5,465	1,191	2,668.4	1,209.99	825.3	95	73.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-22\2014-01-22_007.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : P19 RA Soni

Number of peaks found: 38 Corr. Area 1: 3,080.6
 Noise: 0.8

Peak table for sample 7 : P19 RA Soni

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	43.59	39	38.67	1,510.3	
3	44.95	48	21.27	677.6	
4	48.02	74	13.63	278.2	
5	51.60	108	25.39	357.7	
6	54.13	135	36.85	414.9	
7	55.58	150	43.04	434.8	
8	56.53	160	43.13	408.1	
9	57.21	167	26.54	240.3	
10	57.89	175	27.92	242.3	
11	58.66	183	35.70	295.9	
12	60.65	204	53.11	394.3	
13	62.59	225	65.98	443.7	
14	63.90	240	61.34	387.9	
15	65.99	262	37.96	219.3	
16	66.98	273	43.83	243.1	
17	68.38	288	60.10	315.7	
18	69.20	297	47.14	240.2	
19	70.15	309	60.16	295.2	
20	73.45	350	63.90	276.4	
21	76.98	395	64.62	248.2	
22	77.62	403	51.92	195.0	
23	78.97	427	75.53	267.8	
24	80.24	450	121.15	408.3	
25	81.33	469	80.52	260.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-22\2014-01-22_007.xad

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Electropherogram Summary Continued ...

... Peak table for sample 7 : P19 RA Soni

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	82.46	489	99.79	309.5	
27	83.45	507	76.84	229.5	
28	84.04	520	57.14	166.6	
29	84.58	531	80.21	228.9	
30	85.85	557	79.03	214.8	
31	86.30	567	58.64	156.7	
32	87.89	600	140.32	354.2	
33	89.65	657	124.45	287.1	
34	90.78	693	69.85	152.7	
35	94.27	939	106.87	172.5	
36	95.22	1,018	145.84	217.0	
37	96.62	1,246	360.90	438.7	
38	103.05	2,584	10.92	6.4	
39	104.13	2,938	6.17	3.2	
40	113.00	10,380	75.00	10.9	Upper Marker

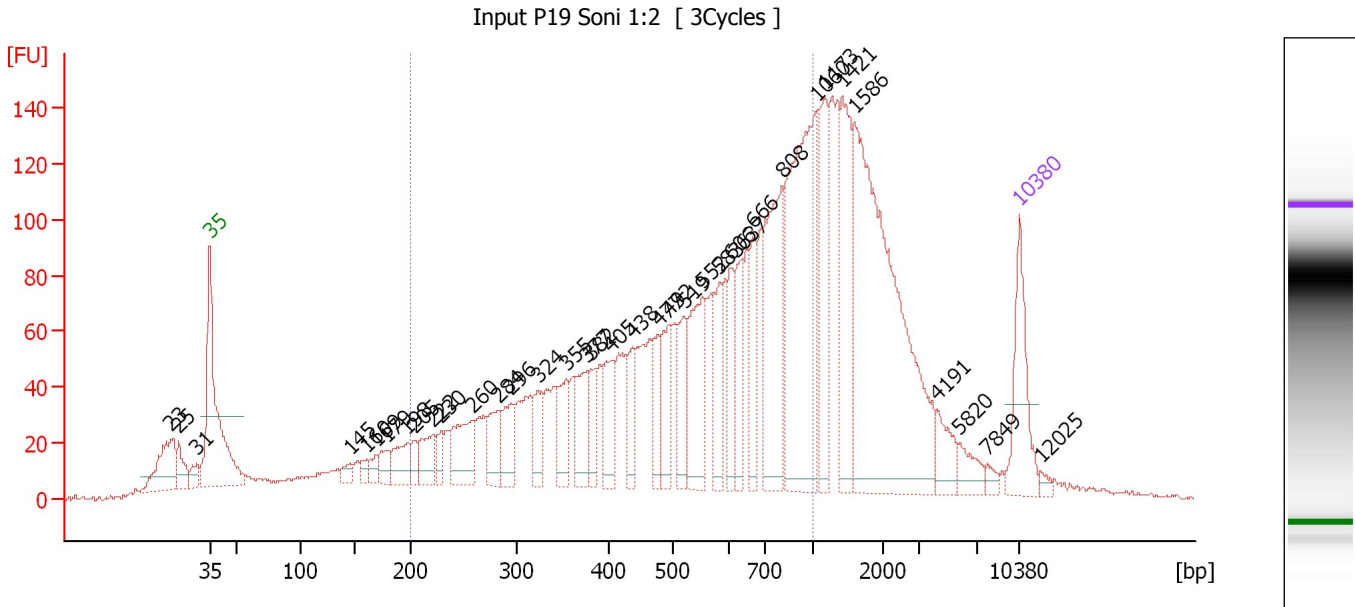
Region table for sample 7 : P19 RA Soni

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
142	2,659	710	13,635.5	3,783.38	3,080.6	93	63.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-22\2014-01-22_007.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : Input P19 Soni 1:2

Number of peaks found: 37 Corr. Area 1: 2,437.9
 Noise: 0.8

Peak table for sample 8 : Input P19 Soni 1:2

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	39.63	23	0.00	0.0	
2	40.28	25	0.00	0.0	
3	41.85	31	0.00	0.0	
4	43.00	35	125.00	5,411.3	Lower Marker
5	55.13	145	17.16	179.1	
6	56.51	160	12.16	115.2	
7	57.39	169	18.28	163.6	
8	58.26	179	27.99	237.4	
9	60.06	198	49.48	379.1	
10	60.75	205	20.89	154.2	
11	62.28	222	48.43	330.8	
12	63.01	230	23.66	155.9	
13	65.73	260	82.08	479.2	
14	67.95	284	52.18	278.7	
15	69.05	296	55.13	282.5	
16	71.36	324	41.46	193.9	
17	73.80	355	57.66	246.4	
18	75.60	377	62.71	251.9	
19	76.02	382	40.18	159.2	
20	77.72	405	63.17	236.1	
21	79.57	438	46.56	161.1	
22	81.78	477	46.87	149.0	
23	82.66	492	68.43	210.7	
24	83.99	519	60.20	175.9	
25	85.61	552	113.06	310.1	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-22\2014-01-22_007.xad

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Electropherogram Summary Continued ...

... Peak table for sample 8 : Input P19 Soni 1:2

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	87.08	583	57.87	150.3	
27	88.05	606	57.07	142.8	
28	89.02	637	63.53	151.2	
29	89.94	666	65.51	149.0	
30	92.48	808	187.73	351.9	
31	95.48	1,060	313.72	448.2	
32	96.17	1,173	100.26	129.5	
33	97.69	1,421	125.31	133.6	
34	98.70	1,586	452.70	432.5	
35	105.81	4,191	32.73	11.8	
36	107.84	5,820	23.73	6.2	
37	110.23	7,849	7.79	1.5	
38	113.00	10,380	75.00	10.9	Upper Marker
39	114.80	12,025	0.00	0.0	

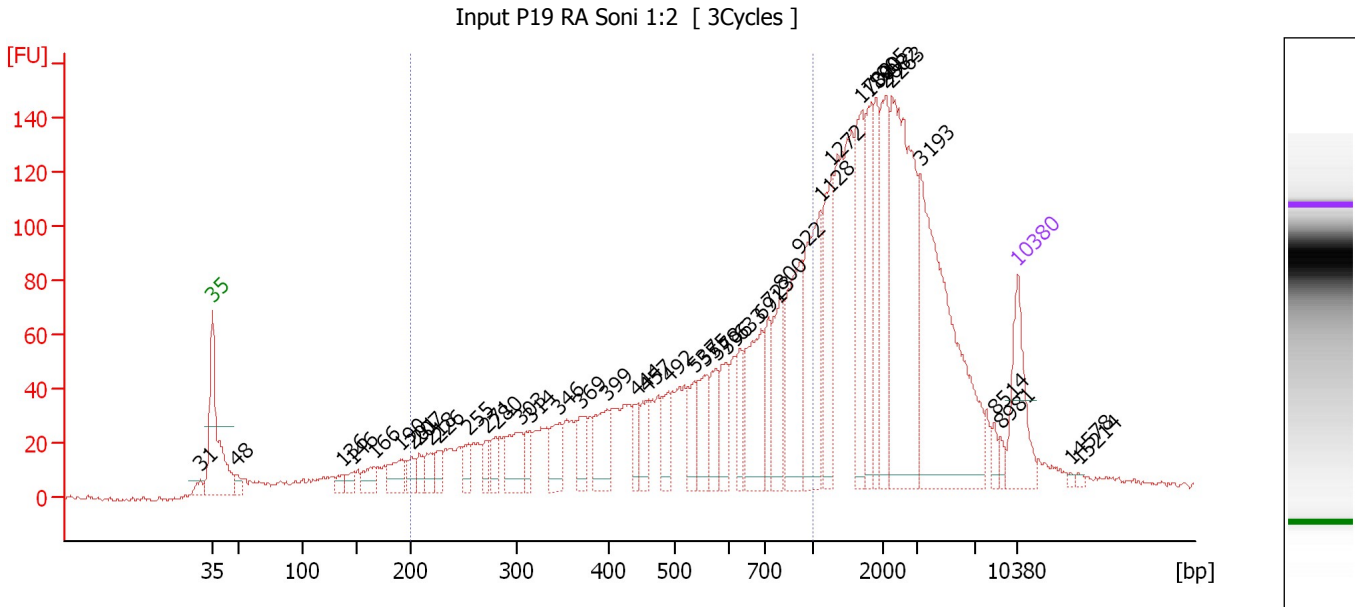
Region table for sample 8 : Input P19 Soni 1:2

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	554	8,650.7	2,467.98	2,437.8	59	38.5	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-22\2014-01-22_007.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : Input P19 RA Soni 1:2

Number of peaks found: 42 Corr. Area 1: 1,508.3
 Noise: 0.9

Peak table for sample 9 : Input P19 RA Soni 1:2

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	41.98	31	0.00	0.0	
2	43.00	35	125.00	5,411.3	Lower Marker
3	44.99	48	15.51	490.9	
4	54.26	136	15.70	175.0	
5	55.19	146	16.24	168.7	
6	57.05	166	32.50	297.3	
7	59.32	190	46.08	367.8	
8	60.34	201	24.57	185.5	
9	60.94	207	23.08	168.7	
10	61.96	218	29.50	204.6	
11	62.70	226	25.89	173.2	
12	65.30	255	27.84	165.5	
13	66.78	271	23.31	130.3	
14	67.62	280	31.47	170.2	
15	69.70	303	73.71	368.3	
16	70.58	314	24.89	120.0	
17	73.13	346	45.50	199.1	
18	74.99	369	41.37	169.7	
19	77.30	399	66.15	251.5	
20	79.95	444	28.58	97.4	
21	80.69	457	40.16	133.0	
22	82.64	492	42.39	130.6	
23	84.86	537	41.70	117.7	
24	85.74	555	55.64	151.8	
25	86.81	578	48.75	127.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-22\2014-01-22_007.xad


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Electropherogram Summary Continued ...

... Peak table for sample 9 : Input P19 RA Soni 1:2

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
26	87.69	596	50.01	127.1	
27	88.89	633	40.92	98.0	
28	90.70	691	116.94	256.6	
29	91.30	723	48.75	102.2	
30	92.37	800	82.70	156.5	
31	94.04	922	133.63	219.6	
32	95.89	1,128	159.53	214.2	
33	96.77	1,272	111.43	132.8	
34	99.42	1,702	115.59	102.9	
35	100.02	1,800	81.70	68.8	
36	100.67	1,905	75.21	59.8	
37	101.50	2,082	102.69	74.7	
38	102.06	2,263	288.57	193.2	
39	104.56	3,193	319.01	151.4	
40	110.96	8,514	11.10	2.0	
41	111.47	8,981	8.08	1.4	
42	113.00	10,380	75.00	10.9	Upper Marker
43	117.59	14,578	0.00	0.0	
44	118.28	15,214	0.00	0.0	

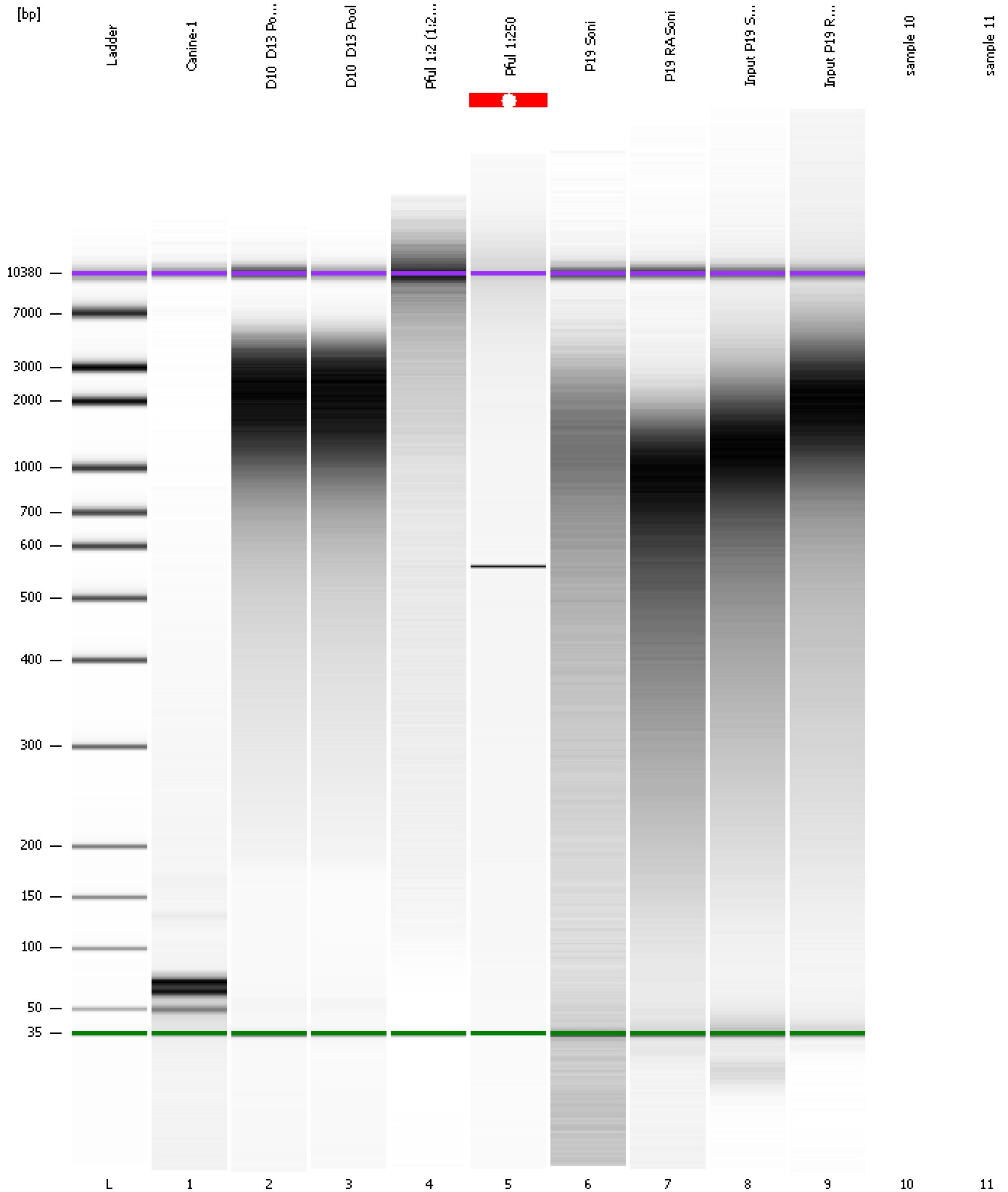
Region table for sample 9 : Input P19 RA Soni 1:2

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	555	6,289.0	1,778.43	1,508.3	45	39.3	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-22\2014-01-22_007.xad

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Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ents and Settings\Bioanalyzer\2014-01-22\2014-01-22_007.xad

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Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.