

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE13805510_2017-09-15_12-39-33.xad

Created: 9/15/2017 12:39:32 PM
Modified: 9/15/2017 1:20:58 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] : 3
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

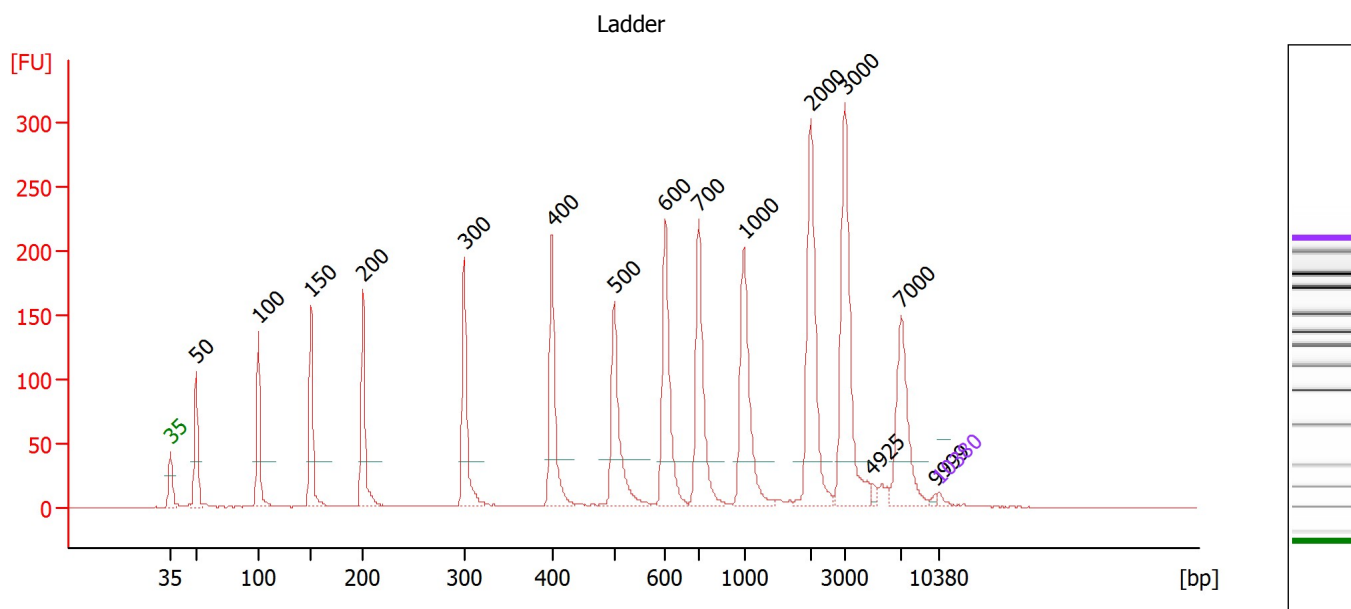
Ladder

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 Ladder

Noise: 0.3

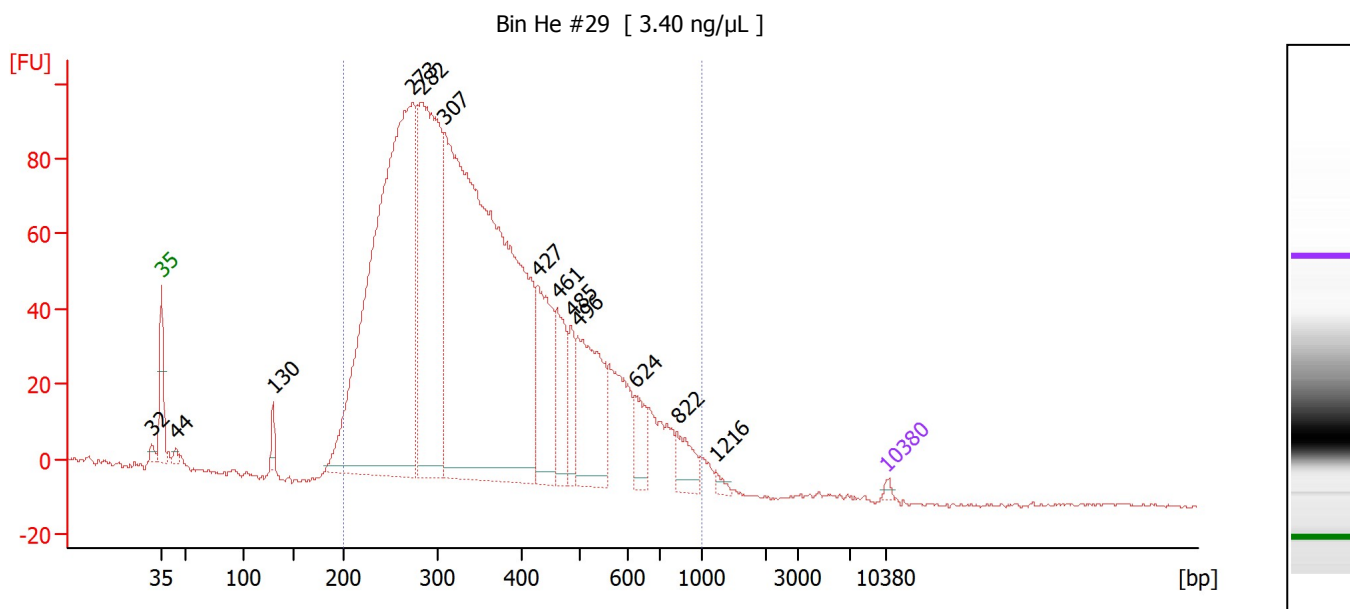
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	Ladder Peak
9	600	150.00	378.8	Ladder Peak
10	700	150.00	324.7	Ladder Peak
11	1,000	150.00	227.3	Ladder Peak
12	2,000	150.00	113.6	Ladder Peak
13	3,000	150.00	75.8	Ladder Peak
14	4,925	0.00	0.0	
15	7,000	150.00	32.5	Ladder Peak
16	9,999	0.00	0.0	
17	10,380	75.00	10.9	Upper Marker

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Electropherogram Summary Continued ...



Overall Results for sample 4 : Bin He #29

Number of peaks found: 13 Corr. Area 1: 2,497.5
 Noise: 0.4

Peak table for sample 4 : Bin He #29

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	32	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	44	202.52	7,036.3	
4	130	469.07	5,486.0	
5	273	22,884.44	127,167.4	
6	282	11,296.88	60,786.9	
7	307	28,149.27	138,886.0	
8	427	3,133.02	11,108.2	
9	461	1,944.53	6,393.1	
10	485	993.65	3,102.3	
11	496	3,757.41	11,474.0	
12	624	795.85	1,933.3	
13	822	819.53	1,510.4	
14	1,216	129.18	161.0	
15	10,380	75.00	10.9	Upper Marker

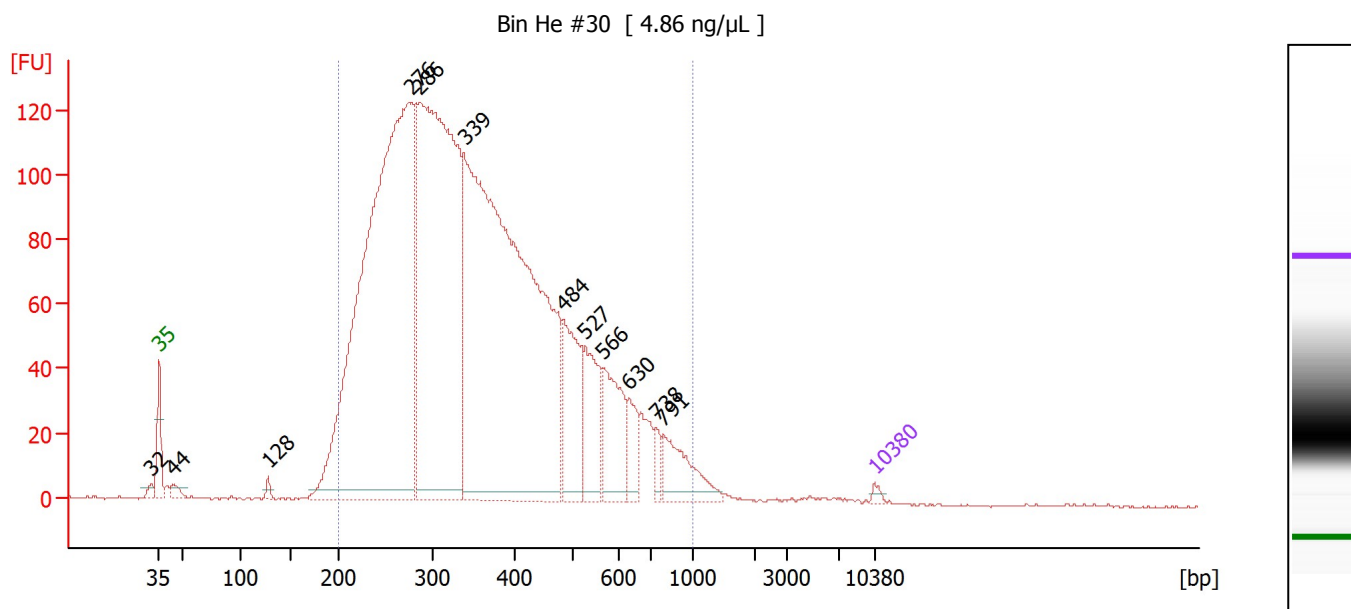
Region table for sample 4 : Bin He #29

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	2,497.5	97	371	36.3	74,732.77	351,685.1	Blue

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Created: 9/15/2017 12:39:32 PM
 Modified: 9/15/2017 1:20:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Bin He #30

Number of peaks found: 12 Corr. Area 1: 3,331.6
 Noise: 0.4

Peak table for sample 5 : Bin He #30

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	32	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	44	270.62	9,377.7	
4	128	151.49	1,788.4	
5	276	23,456.69	128,684.7	
6	286	17,433.80	92,427.6	
7	339	23,105.23	103,410.1	
8	484	2,508.69	7,859.4	
9	527	1,790.77	5,145.5	
10	566	1,939.37	5,194.0	
11	630	697.99	1,678.3	
12	738	301.56	619.2	
13	791	1,342.89	2,572.3	
14	10,380	75.00	10.9	Upper Marker

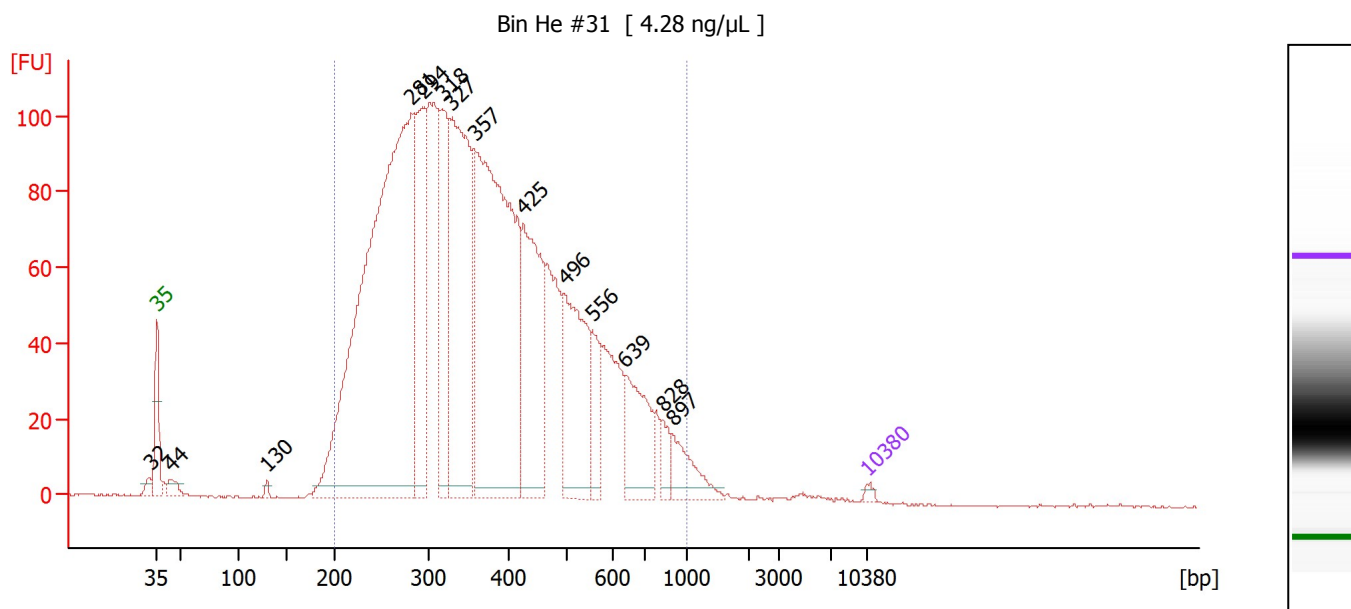
Region table for sample 5 : Bin He #30

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	3,331.6	96	373	36.6	71,060.59	333,633.9	Blue

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Created: 9/15/2017 12:39:32 PM
 Modified: 9/15/2017 1:20:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Bin He #31

Number of peaks found: 14 Corr. Area 1: 2,967.7
 Noise: 0.3

Peak table for sample 6 : Bin He #31

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	32	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	44	438.93	15,184.9	
4	130	130.57	1,524.1	
5	281	23,752.42	127,967.7	
6	294	4,971.74	25,592.9	
7	318	3,824.41	18,229.7	
8	327	8,294.45	38,419.7	
9	357	13,815.16	58,555.5	
10	425	5,035.54	17,969.1	
11	496	4,113.50	12,569.6	
12	556	1,198.36	3,263.2	
13	639	2,114.83	5,013.6	
14	828	503.91	921.8	
15	897	1,021.53	1,725.4	
16	10,380	75.00	10.9	Upper Marker

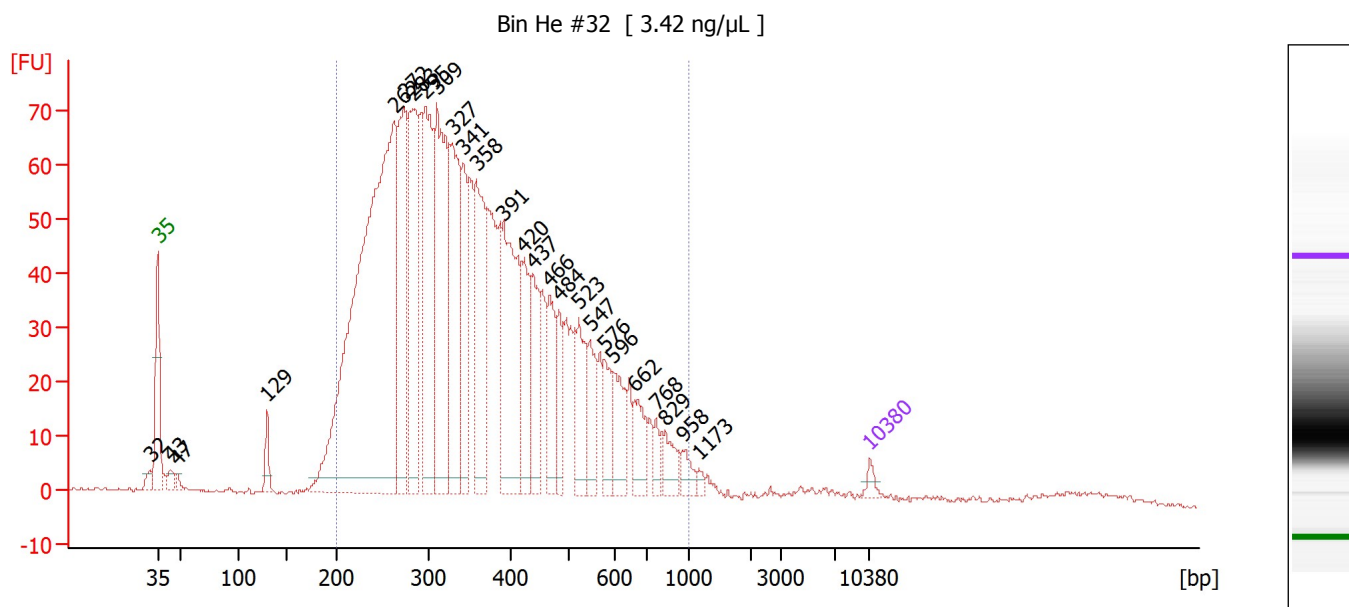
Region table for sample 6 : Bin He #31

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	2,967.7	97	388	36.5	81,092.97	367,771.1	Blue

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Created: 9/15/2017 12:39:32 PM
 Modified: 9/15/2017 1:20:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Bin He #32

Number of peaks found: 26 Corr. Area 1: 1,957.9
 Noise: 0.3

Peak table for sample 7 : Bin He #32

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	32	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	43	170.22	5,984.4	
4	47	94.07	3,023.4	
5	129	326.55	3,821.4	
6	262	10,764.42	62,194.1	
7	272	2,442.44	13,582.2	
8	283	2,411.22	12,923.5	
9	295	2,543.58	13,055.7	
10	309	3,266.96	16,024.1	
11	327	2,235.54	10,347.7	
12	341	1,305.77	5,799.2	
13	358	1,833.54	7,768.5	
14	391	2,366.88	9,183.1	
15	420	956.95	3,452.8	
16	437	881.53	3,059.7	
17	466	821.66	2,671.3	
18	484	546.42	1,712.0	
19	523	908.34	2,631.7	
20	547	570.16	1,579.8	
21	576	459.17	1,207.1	
22	596	585.20	1,488.5	
23	662	450.94	1,032.1	
24	768	177.36	349.9	
25	829	309.39	565.6	
26	958	173.86	274.9	

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Created: 9/15/2017 12:39:32 PM
Modified: 9/15/2017 1:20:58 PM

Electropherogram Summary Continued ...**... Peak table for sample 7 : Bin He #32**

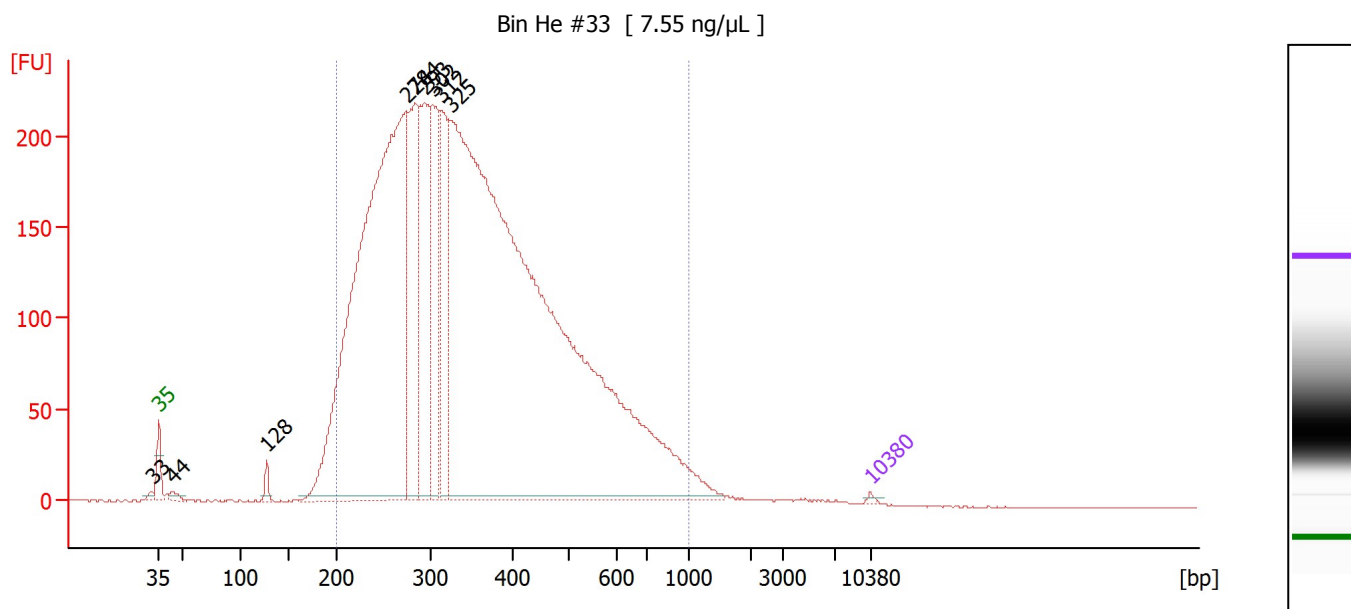
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	1,173	58.65	75.7	
28	10,380	75.00	10.9	Upper Marker

Region table for sample 7 : Bin He #32

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,957.9	94	376	36.9	42,749.18	199,838.9	

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Created: 9/15/2017 12:39:32 PM
 Modified: 9/15/2017 1:20:58 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : Bin He #33**

Number of peaks found: 9 Corr. Area 1: 6,043.4
 Noise: 0.3

Peak table for sample 8 : Bin He #33

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	33	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	44	399.39	13,719.4	
4	128	520.89	6,173.6	
5	274	44,433.22	246,062.7	
6	284	9,196.06	49,091.2	
7	293	9,039.68	46,668.4	
8	302	6,395.69	32,053.1	
9	312	6,516.24	31,624.5	
10	325	79,131.16	368,500.9	
11	10,380	75.00	10.9	Upper Marker

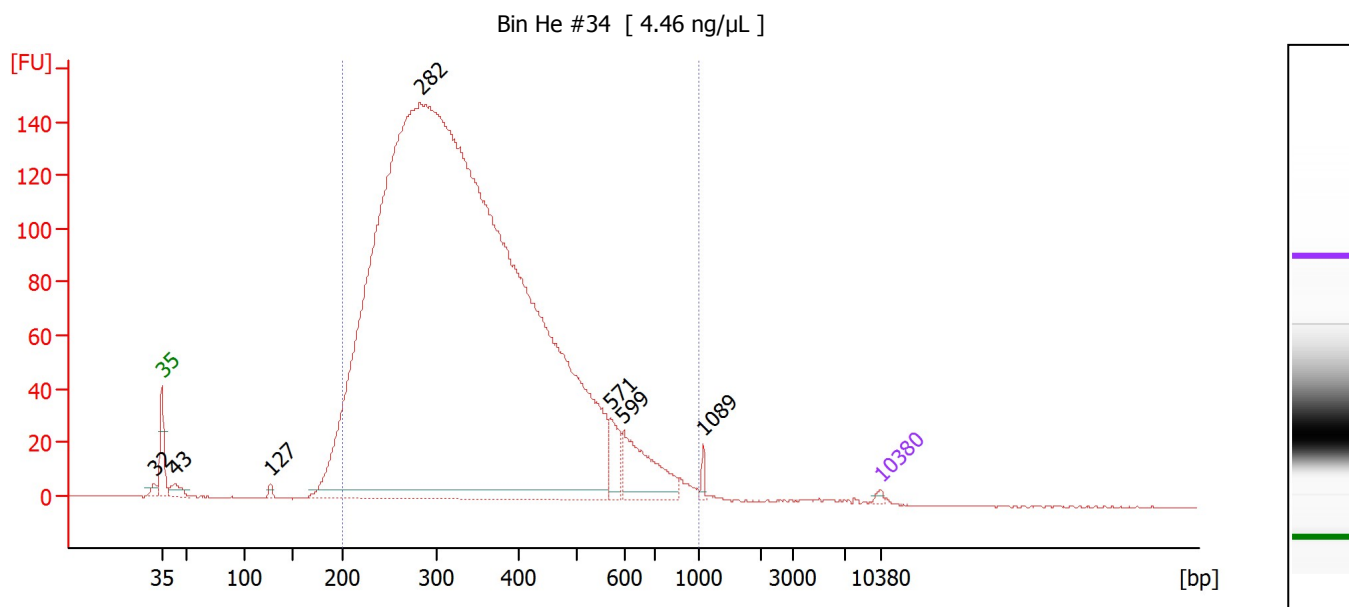
Region table for sample 8 : Bin He #33

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	6,043.4	96	368	36.2	143,522.23	679,469.9	Blue

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Created: 9/15/2017 12:39:32 PM
 Modified: 9/15/2017 1:20:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Bin He #34

Number of peaks found: 7 Corr. Area 1: 3,595.5
 Noise: 0.3

Peak table for sample 9 : Bin He #34

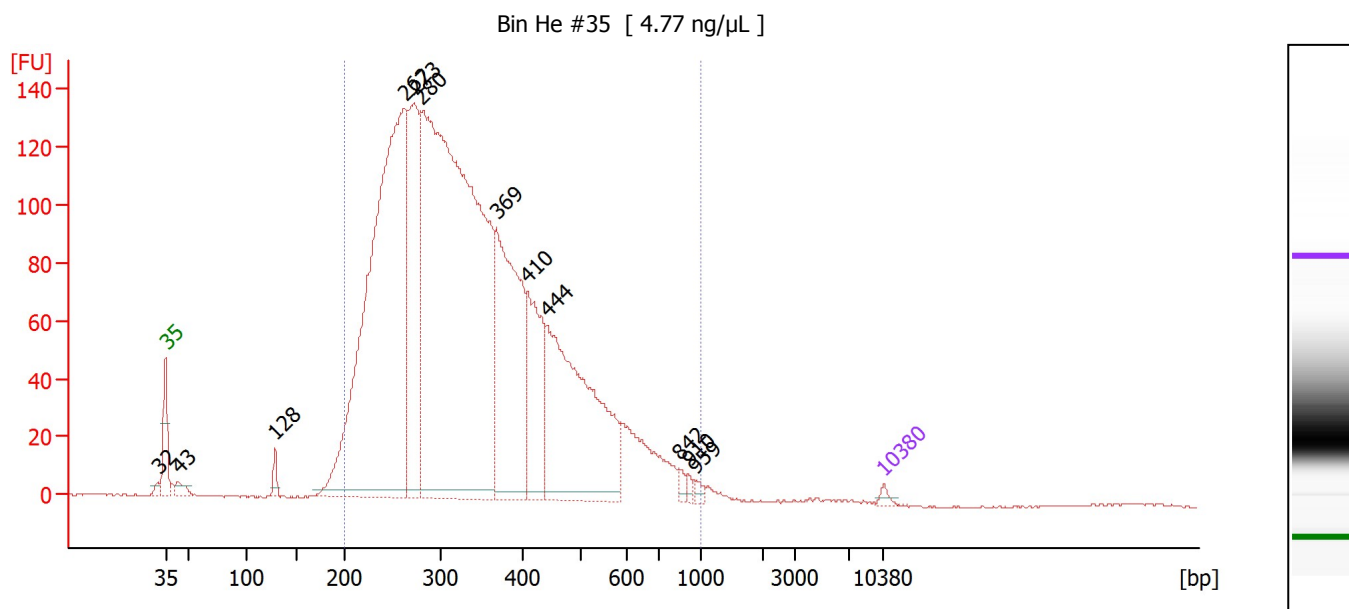
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	32	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	43	587.87	20,546.1	
4	127	149.27	1,776.5	
5	282	104,802.54	562,469.6	
6	571	907.22	2,409.2	
7	599	2,276.55	5,761.5	
8	1,089	140.38	195.4	
9	10,380	75.00	10.9	Upper Marker

Region table for sample 9 : Bin He #34

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	3,595.5	97	352	32.6	98,549.20	475,022.9	Blue

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Created: 9/15/2017 12:39:32 PM
 Modified: 9/15/2017 1:20:58 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : Bin He #35**

Number of peaks found: 12 Corr. Area 1: 3,268.6
 Noise: 0.3

Peak table for sample 10 : Bin He #35

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	32	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	43	270.11	9,512.5	
4	128	281.89	3,324.4	
5	262	16,080.52	92,907.4	
6	273	5,041.60	27,986.8	
7	280	22,329.18	120,716.0	
8	369	5,559.53	22,821.3	
9	410	2,543.77	9,406.7	
10	444	6,253.14	21,360.0	
11	842	120.96	217.7	
12	910	95.81	159.5	
13	959	93.14	147.2	
14	10,380	75.00	10.9	Upper Marker

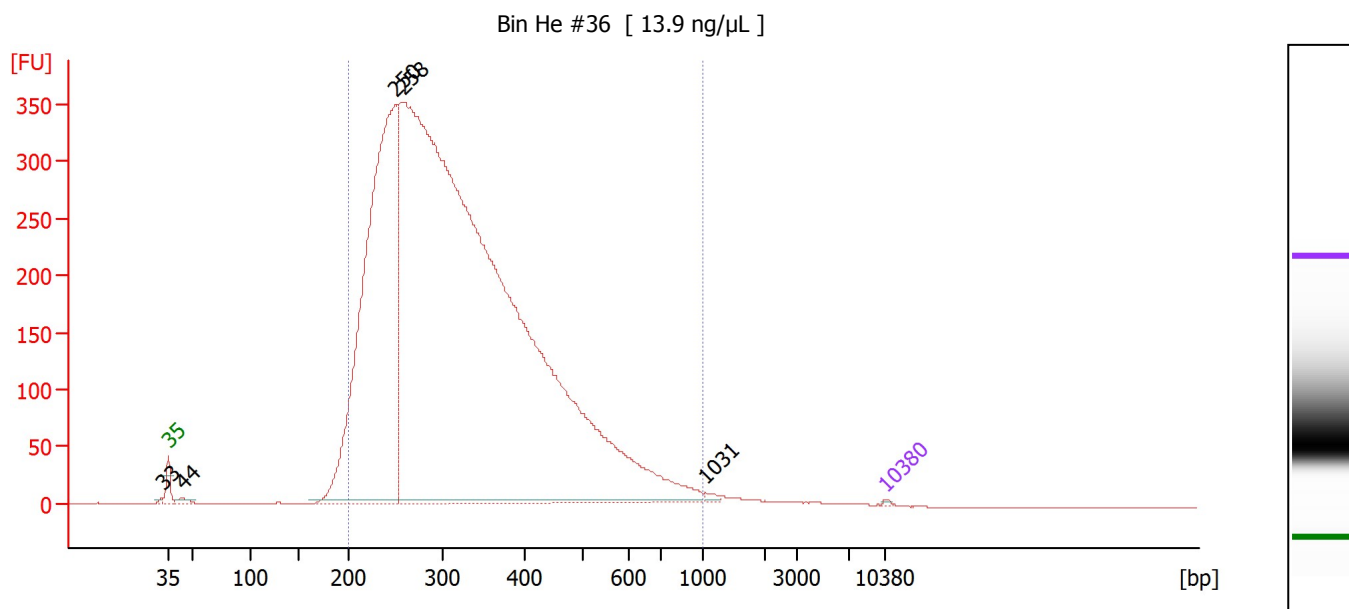
Region table for sample 10 : Bin He #35

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	3,268.6	97	354	34.2	57,396.20	278,054.5	Blue

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 Data Path: C:\...gh Sensitivity DNA Assay_DE13805510_2017-09-15_12-39-33.xad

Created: 9/15/2017 12:39:32 PM
 Modified: 9/15/2017 1:20:58 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Bin He #36

Number of peaks found: 5 Corr. Area 1: 7,908.0
 Noise: 0.3

Peak table for sample 11 : Bin He #36

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	33	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	44	682.48	23,659.9	
4	250	67,065.69	406,111.3	
5	258	219,523.53	1,288,651.0	
6	1,031	261.49	384.3	
7	10,380	75.00	10.9	Upper Marker

Region table for sample 11 : Bin He #36

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	7,908.0	97	336	33.2	248,933.28	1,254,674.9	Blue