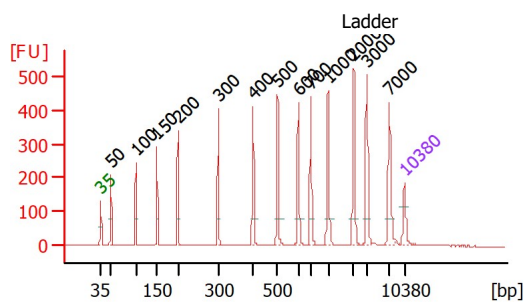


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04105615_2024-05-23_16-00-37.xad

Created: 5/23/2024 4:00:37 PM
 Modified: 5/23/2024 4:54:28 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.5

Peak table for Ladder

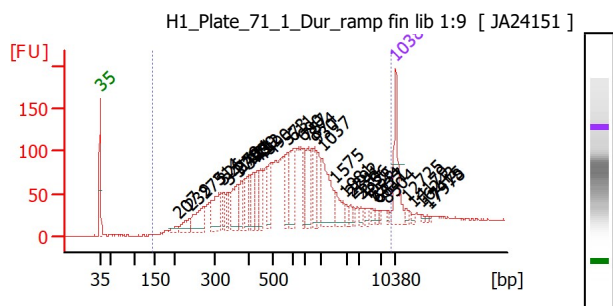
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	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

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
14	7,000	150.00	32.5	Ladder Peak
15	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04105615_2024-05-23_16-00-37.xad

Created: 5/23/2024 4:00:37 PM
 Modified: 5/23/2024 4:54:28 PM

Electropherogram Summary Continued ...



Overall Results for sample 1

Number of peaks found: 36
 Noise: 0.6
 Corr. Area 1: 2,985.5

Region table for sample 1

From To [bp]	Corr. Area [bp]	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarit y [pmol/l]	Co lo r
144	9,230	2,985.5	97	958	100.0	1,582.09	4,958.8

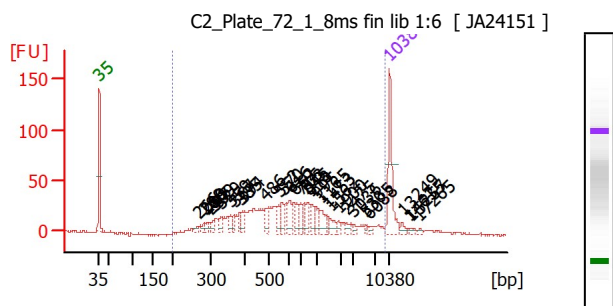
Peak table for sample 1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	207	15.69	115.0	
3	239	37.87	240.2	
4	275	77.61	427.3	
5	314	78.80	379.7	
6	326	28.65	133.1	
7	341	31.32	139.0	
8	371	80.61	329.5	
9	379	30.11	120.3	
10	398	31.28	119.0	
11	404	29.94	112.2	
12	421	42.33	152.3	
13	439	45.59	157.4	
14	452	39.23	131.5	
15	490	48.17	148.8	
16	573	48.10	127.2	
17	611	74.32	184.2	
18	690	40.48	88.9	
19	757	57.55	115.1	
20	874	45.51	78.9	
21	930	41.01	66.8	
22	1,037	98.46	143.9	
23	1,575	34.75	33.4	
24	1,981	8.89	6.8	
25	2,292	8.46	5.6	
26	2,541	5.70	3.4	

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	3,356	9.55	4.3	
28	4,085	9.29	3.4	
29	5,544	8.27	2.3	
30	6,427	4.59	1.1	
31	6,811	4.53	1.0	
32	8,504	4.53	0.8	
33	10,380	75.00	10.9	Upper Marker
34	12,725	0.00	0.0	
35	14,179	0.00	0.0	
36	16,243	0.00	0.0	
37	17,415	0.00	0.0	
38	17,978	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE04105615_2024-05-23_16-00-37.xad

Created: 5/23/2024 4:00:37 PM
Modified: 5/23/2024 4:54:28 PM

Electropherogram Summary Continued ...**Overall Results for sample 2**

Number of peaks found: 32
Noise: 1.3
Corr. Area 1: 970.5

Region table for sample 2

From To [bp]	Corr. Area [bp]	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarit y [pmol/l]	Co lo r
200	9,399	970.5	94	1,109	100.0	611.28	1,786.5

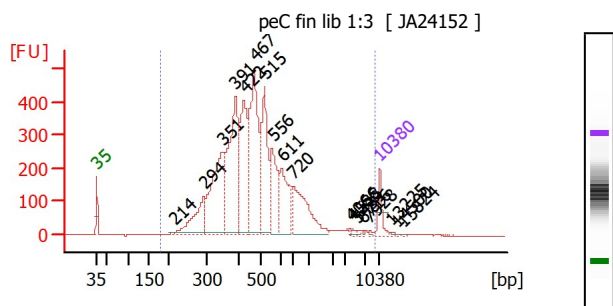
Peak table for sample 2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	266	8.99	51.2	
3	280	10.99	59.5	
4	289	9.35	49.1	
5	297	7.54	38.5	
6	309	11.82	58.0	
7	329	15.74	72.6	
8	359	12.78	53.9	
9	367	10.65	44.0	
10	385	12.47	49.0	
11	394	13.19	50.8	
12	486	18.45	57.5	
13	552	14.62	40.2	
14	570	23.33	62.0	
15	616	27.02	66.4	
16	662	18.77	43.0	
17	715	13.52	28.6	
18	773	16.02	31.4	
19	845	12.63	22.6	
20	918	13.73	22.7	
21	995	13.39	20.4	
22	1,165	21.76	28.3	
23	1,453	5.99	6.3	
24	1,562	13.41	13.0	
25	1,900	6.22	5.0	
26	2,475	5.65	3.5	

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	3,036	4.50	2.2	
28	5,305	3.13	0.9	
29	6,088	2.82	0.7	
30	10,380	75.00	10.9	Upper Marker
31	13,249	0.00	0.0	
32	14,635	0.00	0.0	
33	15,257	0.00	0.0	
34	17,265	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE04105615_2024-05-23_16-00-37.xad

Created: 5/23/2024 4:00:37 PM
Modified: 5/23/2024 4:54:28 PM

Electropherogram Summary Continued ...**Overall Results for sample 3**

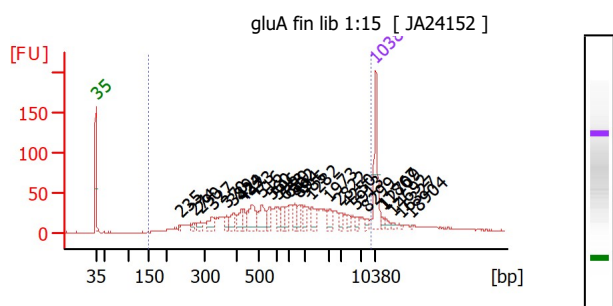
Number of peaks found: 18
Noise: 0.8
Corr. Area 1: 9,028.0

Region table for sample 3

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
181	9,222	9,028.0	99	597	100.0	4,859.51	16,969.9	Blue

Peak table for sample 3

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	214	8.05	57.1	
3	294	329.42	1,699.8	
4	351	708.05	3,057.3	
5	391	843.79	3,273.7	
6	422	535.21	1,920.8	
7	467	791.45	2,566.9	
8	515	528.73	1,554.3	
9	556	319.89	872.4	
10	611	262.14	650.3	
11	720	371.22	781.0	
12	4,066	5.07	1.9	
13	4,588	7.03	2.3	
14	5,431	5.36	1.5	
15	6,716	3.57	0.8	
16	7,928	6.20	1.2	
17	10,380	75.00	10.9	Upper Marker
18	13,225	0.00	0.0	
19	14,500	0.00	0.0	
20	15,824	0.00	0.0	

**Overall Results for sample 4**

Number of peaks found: 28
Noise: 0.7
Corr. Area 1: 1,295.7

Region table for sample 4

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
153	9,075	1,295.7	90	1,421	100.0	733.97	2,114.1	Blue

Peak table for sample 4

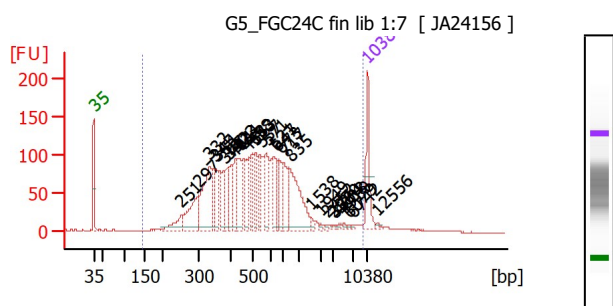
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	235	5.39	34.8	
3	274	13.39	74.0	
4	290	15.25	79.6	
5	327	25.01	115.8	
6	370	14.23	58.2	
7	389	26.24	102.3	
8	424	24.94	89.0	
9	432	15.83	55.6	
10	473	54.99	176.0	
11	516	47.00	138.1	
12	560	21.06	57.0	
13	596	14.58	37.1	
14	653	25.05	58.2	
15	689	16.10	35.4	
16	802	18.07	34.1	
17	894	17.05	28.9	
18	985	11.19	17.2	
19	1,282	20.48	24.2	
20	1,973	15.24	11.7	
21	2,822	9.82	5.3	
22	4,250	7.29	2.6	
23	5,913	4.94	1.3	
24	8,299	4.67	0.9	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04105615_2024-05-23_16-00-37.xad

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Electropherogram Summary Continued ...

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
25	10,380	75.00	10.9	Upper Marker
26	11,867	0.00	0.0	
27	12,709	0.00	0.0	
28	14,692	0.00	0.0	
29	16,327	0.00	0.0	
30	18,904	0.00	0.0	



Overall Results for sample 5

Number of peaks found: 30
 Noise: 0.6
 Corr. Area 1: 3,276.2

Region table for sample 5

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
147	9,331	3,276.2	97	731	100.0	2,031.44	6,881.5	

Peak table for sample 5

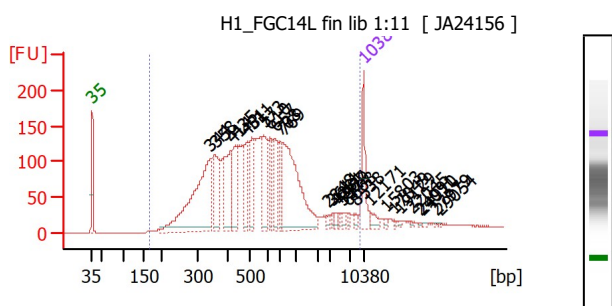
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	251	58.23	351.7	
3	297	137.90	703.4	
4	332	199.93	911.8	
5	345	59.72	261.9	
6	354	73.55	314.8	
7	377	56.50	227.0	
8	390	76.06	295.3	
9	404	55.35	207.6	
10	423	77.58	277.9	
11	434	91.85	320.4	
12	468	61.55	199.1	
13	498	60.11	183.0	
14	513	55.42	163.7	
15	537	48.72	137.6	
16	571	98.84	262.1	
17	621	63.26	154.4	
18	647	41.80	97.9	
19	673	54.06	121.8	
20	717	71.51	151.1	
21	835	161.62	293.4	
22	1,538	7.87	7.8	
23	1,949	2.99	2.3	
24	2,452	3.34	2.1	
25	2,970	2.95	1.5	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04105615_2024-05-23_16-00-37.xad

Created: 5/23/2024 4:00:37 PM
 Modified: 5/23/2024 4:54:28 PM

Electropherogram Summary Continued ...

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	3,304	2.61	1.2	
27	4,008	2.35	0.9	
28	4,919	3.06	0.9	
29	6,079	3.68	0.9	
30	6,742	2.60	0.6	
31	10,380	75.00	10.9	Upper Marker
32	12,556	0.00	0.0	



Overall Results for sample 6

Number of peaks found: 27
 Noise: 0.6
 Corr. Area 1: 4,320.0

Region table for sample 6

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
169	9,318	4,320.0	96	851	100.0	2,245.07	7,353.9	

Peak table for sample 6

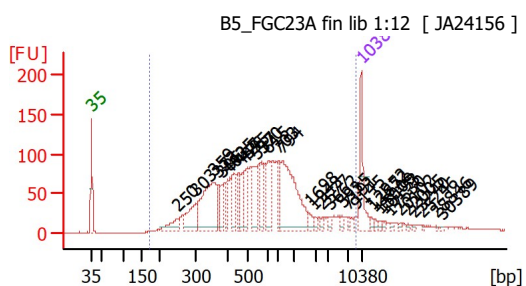
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	344	448.25	1,977.2	
3	358	96.91	410.0	
4	414	168.46	617.0	
5	435	101.42	353.5	
6	481	76.72	241.8	
7	511	78.29	232.1	
8	573	96.87	256.0	
9	610	64.93	161.2	
10	657	60.45	139.4	
11	708	47.87	102.5	
12	769	329.84	649.8	
13	2,848	7.04	3.7	
14	3,611	5.69	2.4	
15	4,281	5.85	2.1	
16	4,867	5.90	1.8	
17	5,579	6.74	1.8	
18	6,668	6.85	1.6	
19	8,538	6.87	1.2	
20	10,380	75.00	10.9	Upper Marker
21	12,171	0.00	0.0	
22	15,803	0.00	0.0	
23	17,849	0.00	0.0	
24	19,129	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04105615_2024-05-23_16-00-37.xad

Created: 5/23/2024 4:00:37 PM
 Modified: 5/23/2024 4:54:28 PM

Electropherogram Summary Continued ...

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
25	22,045	0.00	0.0	
26	24,091	0.00	0.0	
27	24,910	0.00	0.0	
28	27,979	0.00	0.0	
29	29,054	0.00	0.0	



Overall Results for sample 7

Number of peaks found: 33
 Noise: 0.9
 Corr. Area 1: 2,811.5

Region table for sample 7

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
171	9,191	2,811.5	95	934	100.0	1,461.25	4,628.5	Blue

Peak table for sample 7

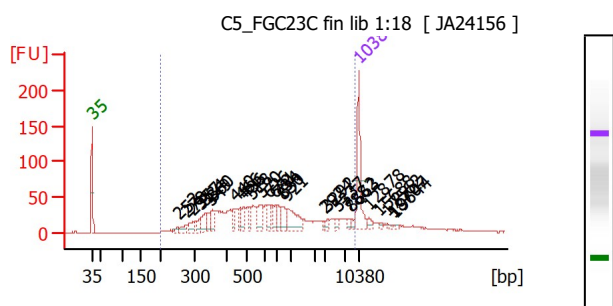
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	250	48.60	295.1	
3	303	83.43	417.6	
4	359	211.98	894.7	
5	373	35.42	143.9	
6	386	32.13	126.2	
7	402	31.13	117.4	
8	435	54.95	191.2	
9	457	39.92	132.5	
10	476	45.09	143.6	
11	495	61.14	187.1	
12	537	59.87	168.8	
13	570	51.64	137.2	
14	615	66.54	163.9	
15	703	34.79	75.0	
16	794	230.72	440.5	
17	1,698	10.29	9.2	
18	1,943	5.14	4.0	
19	2,577	6.26	3.7	
20	3,662	6.96	2.9	
21	5,935	4.83	1.2	
22	7,191	5.98	1.3	
23	9,145	5.42	0.9	
24	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04105615_2024-05-23_16-00-37.xad

Created: 5/23/2024 4:00:37 PM
 Modified: 5/23/2024 4:54:28 PM

Electropherogram Summary Continued ...

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
25	12,952	0.00	0.0	
26	13,672	0.00	0.0	
27	15,009	0.00	0.0	
28	16,193	0.00	0.0	
29	17,530	0.00	0.0	
30	20,102	0.00	0.0	
31	22,005	0.00	0.0	
32	23,240	0.00	0.0	
33	25,246	0.00	0.0	
34	28,846	0.00	0.0	
35	30,389	0.00	0.0	



Overall Results for sample 8

Number of peaks found: 27
 Noise: 0.8
 Corr. Area 1: 1,365.7

Region table for sample 8

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	9,279	1,365.7	88	1,333	100.0	702.37	2,063.9	Blue

Peak table for sample 8

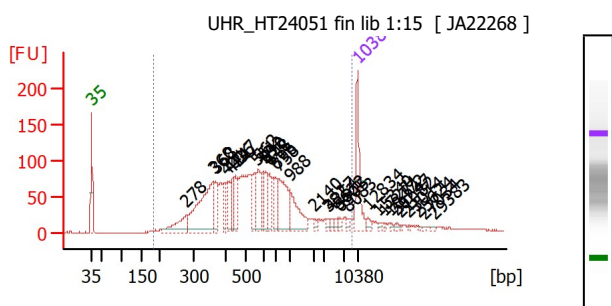
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	252	9.91	59.6	
3	278	16.39	89.2	
4	295	17.61	90.4	
5	317	17.62	84.1	
6	334	26.10	118.5	
7	349	23.19	100.6	
8	360	23.39	98.6	
9	440	18.78	64.6	
10	466	15.36	50.0	
11	486	22.74	70.9	
12	518	22.66	66.3	
13	570	37.10	98.7	
14	626	20.19	48.9	
15	681	18.77	41.7	
16	734	16.24	33.5	
17	830	22.02	40.2	
18	921	49.04	80.7	
19	2,924	3.69	1.9	
20	3,292	4.80	2.2	
21	5,337	4.88	1.4	
22	7,882	4.30	0.8	
23	8,663	3.57	0.6	
24	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04105615_2024-05-23_16-00-37.xad

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 Modified: 5/23/2024 4:54:28 PM

Electropherogram Summary Continued ...

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
25	12,878	0.00	0.0	
26	15,688	0.00	0.0	
27	17,562	0.00	0.0	
28	18,707	0.00	0.0	
29	19,644	0.00	0.0	



Overall Results for sample 9

Number of peaks found: 31
 Noise: 0.5
 Corr. Area 1: 2,641.3

Region table for sample 9

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
182	9,153	2,641.3	93	945	100.0	1,303.89	4,142.8	Blue

Peak table for sample 9

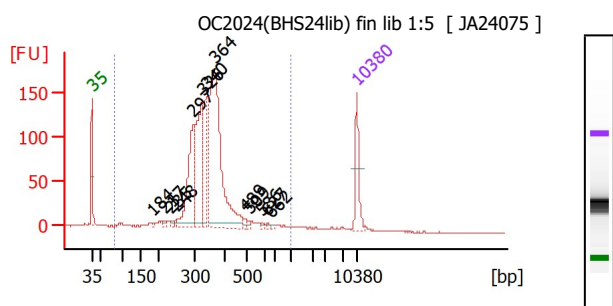
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	278	72.82	396.7	
3	360	228.63	962.0	
4	368	44.62	183.6	
5	401	36.27	137.0	
6	421	32.06	115.4	
7	436	35.78	124.2	
8	447	36.84	124.8	
9	551	47.06	129.5	
10	562	71.41	192.4	
11	592	31.48	80.5	
12	610	44.68	111.0	
13	648	40.60	94.9	
14	696	38.62	84.1	
15	758	99.49	198.9	
16	988	75.36	115.6	
17	2,140	6.41	4.5	
18	3,827	5.72	2.3	
19	4,254	7.01	2.5	
20	5,622	8.46	2.3	
21	6,305	4.94	1.2	
22	8,083	4.36	0.8	
23	10,380	75.00	10.9	Upper Marker
24	12,834	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE04105615_2024-05-23_16-00-37.xad

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 Modified: 5/23/2024 4:54:28 PM

Electropherogram Summary Continued ...

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
25	15,340	0.00	0.0	
26	17,271	0.00	0.0	
27	18,472	0.00	0.0	
28	20,247	0.00	0.0	
29	21,082	0.00	0.0	
30	23,014	0.00	0.0	
31	25,624	0.00	0.0	
32	27,034	0.00	0.0	
33	29,383	0.00	0.0	



Overall Results for sample 10

Number of peaks found: 13
 Noise: 0.5
 Corr. Area 1: 2,084.3

Region table for sample 10

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
80	1,000	2,084.3	97	351	23.6	1,588.35	7,382.1	Blue

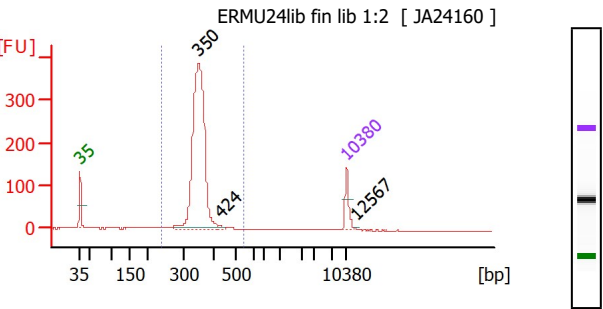
Peak table for sample 10

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	184	5.07	41.8	
3	217	7.64	53.4	
4	235	7.99	51.5	
5	248	7.60	46.4	
6	297	296.01	1,508.6	
7	326	297.33	1,380.9	
8	340	158.06	704.6	
9	364	630.72	2,627.3	
10	489	8.82	27.3	
11	509	7.14	21.3	
12	586	3.92	10.1	
13	627	4.39	10.6	
14	662	3.28	7.5	
15	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE04105615_2024-05-23_16-00-37.xad

Created: 5/23/2024 4:00:37 PM
Modified: 5/23/2024 4:54:28 PM

Electropherogram Summary Continued ...



Peak table for sample 11				
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	350	1,466.77	6,356.1	
3	424	9.82	35.1	
4	10,380	75.00	10.9	Upper Marker
5	12,567	0.00	0.0	

Overall Results for sample 11

Number of peaks found: 3
Noise: 0.4
Corr. Area 1: 1,992.0

Region table for sample 11

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
238	552	1,992.0	93	352	7.5	1,528.04	6,610.4	Blue