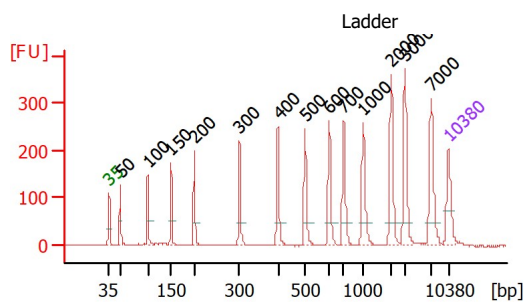


Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE34903795_2020-11-30_17-34-48.xad

Created: 11/30/2020 5:34:47 PM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.6

Peak table for Ladder

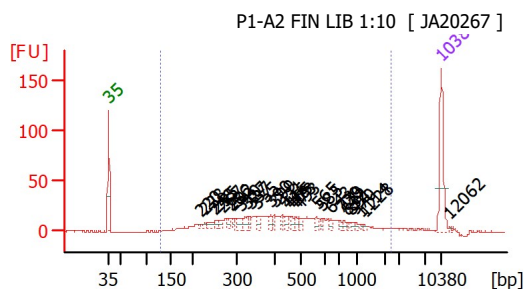
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	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_DE34903795_2020-11-30_17-34-48.xad

Created: 11/30/2020 5:34:47 PM
 Modified: 11/30/2020 6:24:20 PM

Electropherogram Summary Continued ...



Overall Results for sample 1

Number of peaks found: 29
 Noise: 0.8
 Corr. Area 1: 671.9

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
128	2,439	671.9	94	514	65.6	528.86	2,243.7

Peak table for sample 1

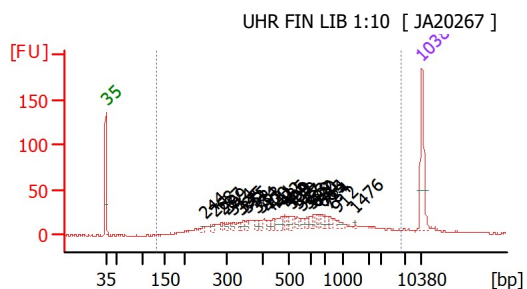
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	220	4.88	33.7	
3	228	5.79	38.4	
4	248	16.78	102.3	
5	255	9.33	55.3	
6	267	10.38	58.9	
7	286	13.14	69.7	
8	292	8.92	46.3	
9	310	15.49	75.8	
10	327	16.51	76.4	
11	337	11.59	52.1	
12	355	13.65	58.2	
13	390	11.85	46.0	
14	399	9.09	34.5	
15	431	8.47	29.8	
16	446	10.80	36.7	
17	465	10.73	35.0	
18	478	11.12	35.3	
19	493	10.61	32.6	
20	565	8.98	24.1	
21	585	6.45	16.7	
22	643	7.94	18.7	
23	720	6.07	12.8	
24	779	6.50	12.6	
25	832	4.86	8.8	
26	891	6.38	10.8	

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	970	5.11	8.0	
28	1,114	2.44	3.3	
29	1,228	3.07	3.8	
30	10,380	75.00	10.9	Upper Marker
31	12,062	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE34903795_2020-11-30_17-34-48.xad

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Electropherogram Summary Continued ...



Overall Results for sample 5

Number of peaks found: 27
 Noise: 0.7
 Corr. Area 1: 782.9

Region table for sample 5

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
135	6,319	782.9	95	792	100.0	565.30	2,007.8

Peak table for sample 5

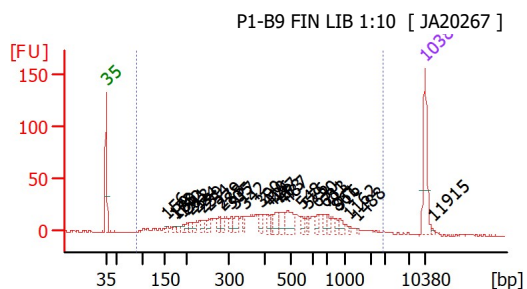
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	244	6.09	37.7	
3	268	7.64	43.2	
4	287	7.03	37.1	
5	299	7.79	39.5	
6	314	10.06	48.6	
7	335	7.93	35.9	
8	345	8.30	36.4	
9	355	7.33	31.2	
10	384	9.90	39.0	
11	393	9.40	36.2	
12	420	7.30	26.4	
13	441	10.59	36.4	
14	472	19.70	63.3	
15	485	8.33	26.0	
16	499	8.27	25.1	
17	509	9.87	29.4	
18	539	7.86	22.1	
19	557	7.04	19.1	
20	583	7.28	18.9	
21	599	9.76	24.7	
22	622	7.14	17.4	
23	650	7.45	17.4	
24	685	7.61	16.8	
25	714	11.55	24.5	
26	784	8.23	15.9	

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	912	9.28	15.4	
28	1,476	1.89	1.9	
29	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE34903795_2020-11-30_17-34-48.xad

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Electropherogram Summary Continued ...



Overall Results for sample 6

Number of peaks found: 30
 Noise: 0.6
 Corr. Area 1: 904.0

Region table for sample 6

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
87	2,957	904.0	96	514	72.0	716.41	3,401.7

Peak table for sample 6

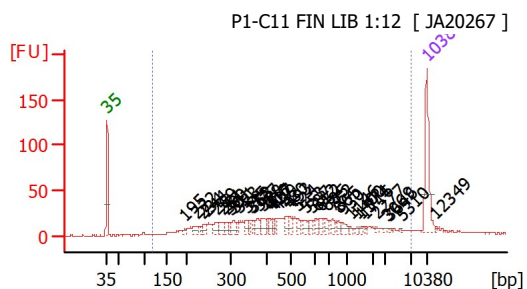
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	156	8.31	80.8	
3	173	6.60	57.7	
4	180	8.11	68.2	
5	192	12.43	98.0	
6	201	11.84	89.3	
7	213	14.29	101.8	
8	224	15.13	102.2	
9	239	14.27	90.7	
10	254	15.10	90.1	
11	279	17.04	92.6	
12	285	11.63	61.8	
13	305	15.77	78.3	
14	317	17.72	84.8	
15	342	14.48	64.2	
16	390	20.10	78.1	
17	410	15.10	55.7	
18	426	12.77	45.4	
19	447	20.31	68.8	
20	473	25.07	80.4	
21	487	44.33	137.8	
22	548	15.36	42.4	
23	576	7.93	20.9	
24	630	11.92	28.7	
25	681	8.96	19.9	
26	713	10.45	22.2	

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	861	9.06	15.9	
28	916	12.00	19.9	
29	1,162	3.82	5.0	
30	1,488	1.81	1.8	
31	10,380	75.00	10.9	Upper Marker
32	11,915	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE34903795_2020-11-30_17-34-48.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7

Number of peaks found: 39
 Noise: 0.6
 Corr. Area 1: 825.5

Region table for sample 7

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
121	6,997	825.5	95	761	100.0	549.40	2,245.4

Peak table for sample 7

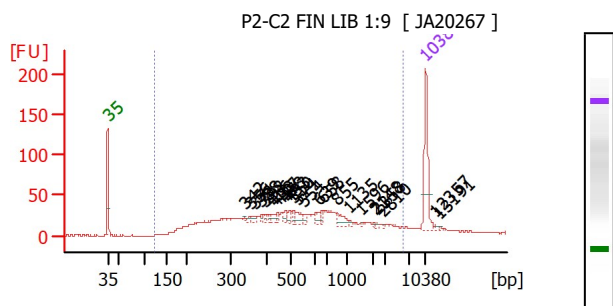
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	195	6.21	48.4	
3	222	12.01	82.0	
4	234	7.24	47.0	
5	244	10.82	67.1	
6	269	20.13	113.5	
7	281	15.62	84.4	
8	290	9.40	49.1	
9	301	11.20	56.4	
10	311	13.52	65.8	
11	323	10.84	50.8	
12	345	13.33	58.5	
13	358	10.55	44.7	
14	363	10.60	44.3	
15	377	15.94	64.1	
16	388	19.16	74.8	
17	406	8.43	31.4	
18	417	9.17	33.3	
19	427	8.36	29.7	
20	439	8.39	29.0	
21	480	15.63	49.3	
22	493	11.02	33.9	
23	524	11.25	32.5	
24	553	13.53	37.0	
25	587	9.56	24.7	
26	612	7.13	17.6	

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	652	12.25	28.5	
28	685	7.73	17.1	
29	762	11.14	22.2	
30	865	7.10	12.4	
31	930	9.84	16.0	
32	1,146	2.47	3.3	
33	1,400	2.43	2.6	
34	1,574	2.05	2.0	
35	1,716	2.30	2.0	
36	2,277	3.00	2.0	
37	3,069	2.30	1.1	
38	3,646	1.85	0.8	
39	5,310	1.57	0.4	
40	10,380	75.00	10.9	Upper Marker
41	12,349	0.00	0.0	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE34903795_2020-11-30_17-34-48.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8

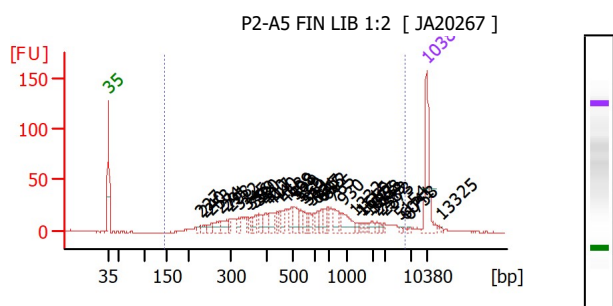
Number of peaks found: 23
 Noise: 0.6
 Corr. Area 1: 1,258.0

Region table for sample 8

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
124	5,897	1,258.0	95	780	100.0	769.88	3,007.4

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	342	3.63	16.1	
3	356	4.11	17.5	
4	371	5.63	23.0	
5	388	6.03	23.6	
6	398	6.33	24.1	
7	416	5.62	20.5	
8	433	8.41	29.4	
9	447	6.74	22.8	
10	478	12.34	39.2	
11	493	8.93	27.4	
12	510	6.75	20.0	
13	524	16.22	46.9	
14	554	5.55	15.2	
15	639	12.84	30.4	
16	658	7.82	18.0	
17	855	18.97	33.6	
18	1,135	2.18	2.9	
19	1,596	1.46	1.4	
20	2,148	1.94	1.4	
21	2,358	1.84	1.2	
22	2,810	1.34	0.7	
23	10,380	75.00	10.9	Upper Marker
24	12,357	0.00	0.0	
25	13,191	0.00	0.0	



Overall Results for sample 9

Number of peaks found: 39
 Noise: 0.6
 Corr. Area 1: 815.5

Region table for sample 9

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
145	6,201	815.5	96	841	100.0	566.91	1,879.8

Peak table for sample 9

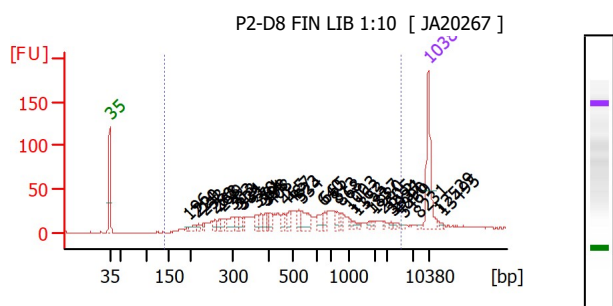
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	227	8.77	58.6	
3	240	11.17	70.5	
4	253	13.66	81.7	
5	274	25.38	140.1	
6	291	23.82	124.2	
7	298	10.24	52.1	
8	322	13.52	63.6	
9	345	13.05	57.2	
10	356	12.43	52.8	
11	369	11.45	47.1	
12	380	15.64	62.4	
13	400	22.01	83.5	
14	417	19.88	72.2	
15	440	11.43	39.3	
16	468	16.25	52.6	
17	499	16.75	50.8	
18	508	22.77	68.0	
19	529	16.72	47.9	
20	550	14.03	38.7	
21	563	10.20	27.5	
22	581	8.88	23.1	
23	621	12.18	29.7	
24	647	13.36	31.3	
25	665	14.15	32.2	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE34903795_2020-11-30_17-34-48.xad

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Electropherogram Summary Continued ...

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	692	12.16	26.6	
27	765	27.23	53.9	
28	930	27.91	45.5	
29	1,332	4.95	5.6	
30	1,515	3.31	3.3	
31	1,650	3.61	3.3	
32	1,825	3.37	2.8	
33	1,968	6.28	4.8	
34	2,243	4.44	3.0	
35	2,582	3.02	1.8	
36	2,873	3.50	1.8	
37	5,154	2.44	0.7	
38	6,041	1.73	0.4	
39	6,758	2.21	0.5	
40	10,380	75.00	10.9	Upper Marker
41	13,325	0.00	0.0	



Overall Results for sample 10

Number of peaks found: 37
 Noise: 0.5
 Corr. Area 1: 880.9

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
141	5,289	880.9	95	740	100.0	542.67	2,021.2	

Peak table for sample 10

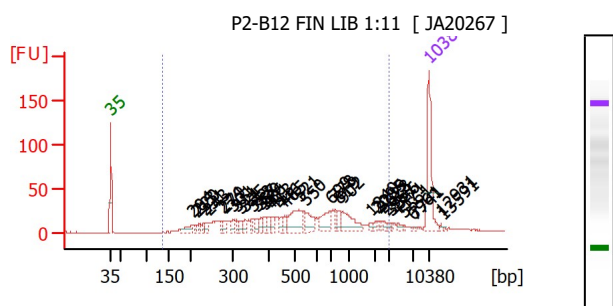
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	196	5.91	45.7	
3	214	15.56	110.2	
4	220	6.47	44.5	
5	233	7.67	49.9	
6	260	10.25	59.8	
7	268	11.22	63.3	
8	279	13.79	75.0	
9	303	28.06	140.4	
10	313	11.01	53.4	
11	324	13.60	63.7	
12	331	10.06	46.0	
13	370	11.59	47.5	
14	381	16.53	65.7	
15	391	11.40	44.1	
16	398	9.92	37.8	
17	408	12.17	45.2	
18	465	14.34	46.7	
19	487	19.58	61.0	
20	523	11.85	34.3	
21	534	32.42	91.9	
22	640	15.27	36.1	
23	665	11.68	26.6	
24	813	9.41	17.5	
25	868	7.80	13.6	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE34903795_2020-11-30_17-34-48.xad

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Electropherogram Summary Continued ...

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
26	1,003	5.56	8.4	
27	1,162	5.37	7.0	
28	1,353	3.01	3.4	
29	1,837	4.52	3.7	
30	1,980	3.33	2.6	
31	2,605	3.03	1.8	
32	3,494	2.98	1.3	
33	3,937	2.74	1.1	
34	4,890	1.70	0.5	
35	5,469	1.53	0.4	
36	8,231	1.70	0.3	
37	10,380	75.00	10.9	Upper Marker
38	12,529	0.00	0.0	
39	13,495	0.00	0.0	



Overall Results for sample 11

Number of peaks found: 37
 Noise: 0.6
 Corr. Area 1: 866.1

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
134	2,997	866.1	92	671	79.7	515.63	1,951.3	Blue


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	204	22.14	164.6	
3	213	9.39	67.0	
4	220	9.54	65.5	
5	231	8.67	56.9	
6	243	10.68	66.7	
7	274	8.41	46.6	
8	279	9.34	50.6	
9	301	10.86	54.6	
10	311	10.62	51.8	
11	321	9.52	45.0	
12	335	11.15	50.4	
13	353	8.19	35.2	
14	367	12.31	50.8	
15	379	11.55	46.1	
16	386	12.34	48.5	
17	401	13.48	51.0	
18	413	10.62	39.0	
19	446	11.38	38.7	
20	465	11.07	36.1	
21	521	52.96	154.0	
22	550	28.77	79.3	
23	699	34.96	75.7	
24	778	8.97	17.5	
25	819	11.62	21.5	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE34903795_2020-11-30_17-34-48.xad

Created: 11/30/2020 5:34:47 PM
Modified: 11/30/2020 6:24:20 PM

Electropherogram Summary Continued ...

Peak	Size [bp]	Conc. [pg/ μ l]	Molarity [pmol/l]	Observations
26	902	40.60	68.2	
27	1,840	3.83	3.2	
28	2,095	4.82	3.5	
29	2,289	3.87	2.6	
30	2,628	3.53	2.0	
31	2,951	3.37	1.7	
32	3,546	2.42	1.0	
33	4,571	4.10	1.4	
34	5,561	1.81	0.5	
35	6,961	1.30	0.3	
36	7,741	1.46	0.3	
37	 10,380	75.00	10.9	Upper Marker
38	12,931	0.00	0.0	
39	13,591	0.00	0.0	