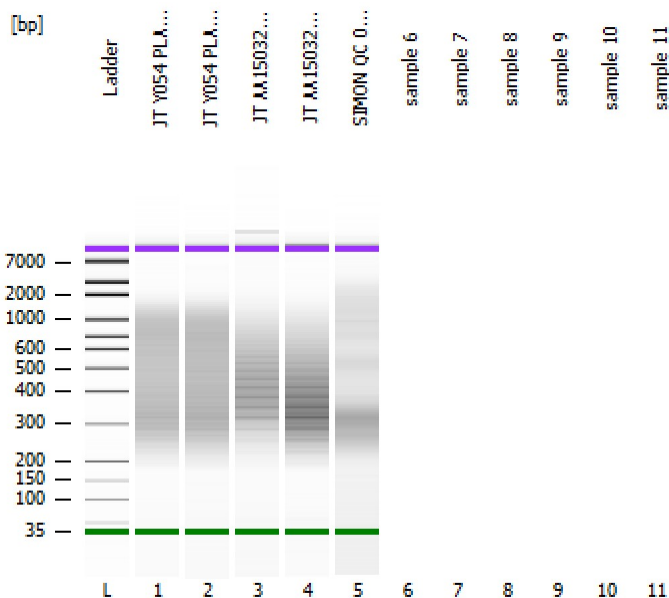


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE54107784_2021-05-06_19-43-20.xad

Created: 06/05/2021 19:43:20
Modified: 07/05/2021 11:46:04

Electrophoresis File Run Summary



Instrument Information:

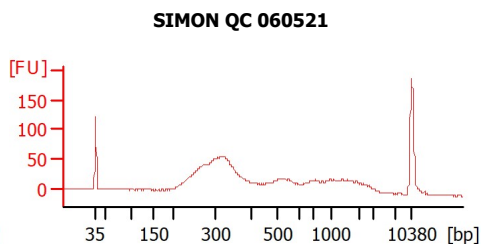
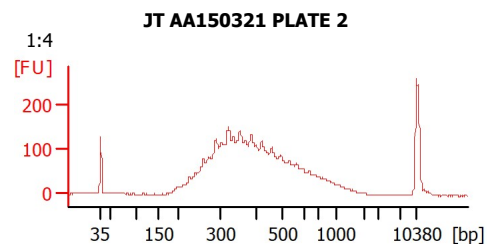
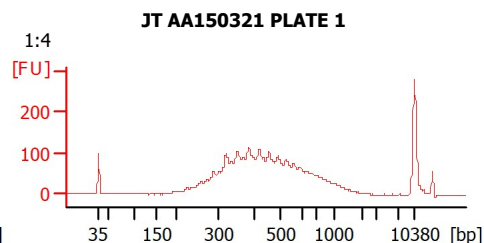
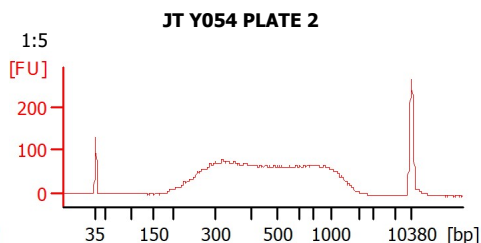
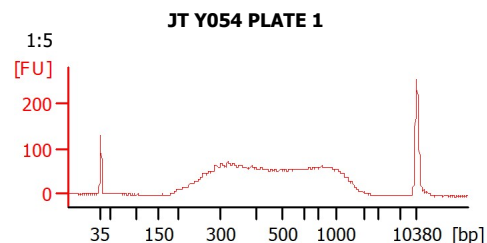
Instrument Name: DE54107784
Serial#: DE54107784
Firmware: C.01.069
Type: G2939A

Assay Information:

Assay Origin Path: C:\Program Files (x86)\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:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE54107784_2021-05-06_19-43-20.xad

Created: 06/05/2021 19:43:20
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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Sta tus	Observation	Result Label	Result Color
JT Y054 PLATE 1	1:5	☐	✓			
JT Y054 PLATE 2	1:5	☐	✓			
JT AA150321 PLATE 1	1:4	☐	✓			
JT AA150321 PLATE 2	1:4	☐	✓			
SIMON QC 060521		☐	✓			
sample 6		☐				
sample 7		☐				
sample 8		☐				
sample 9		☐				
sample 10		☐				
sample 11		☐				
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE54107784_2021-05-06_19-43-20.xad

Created: 06/05/2021 19:43:20
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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

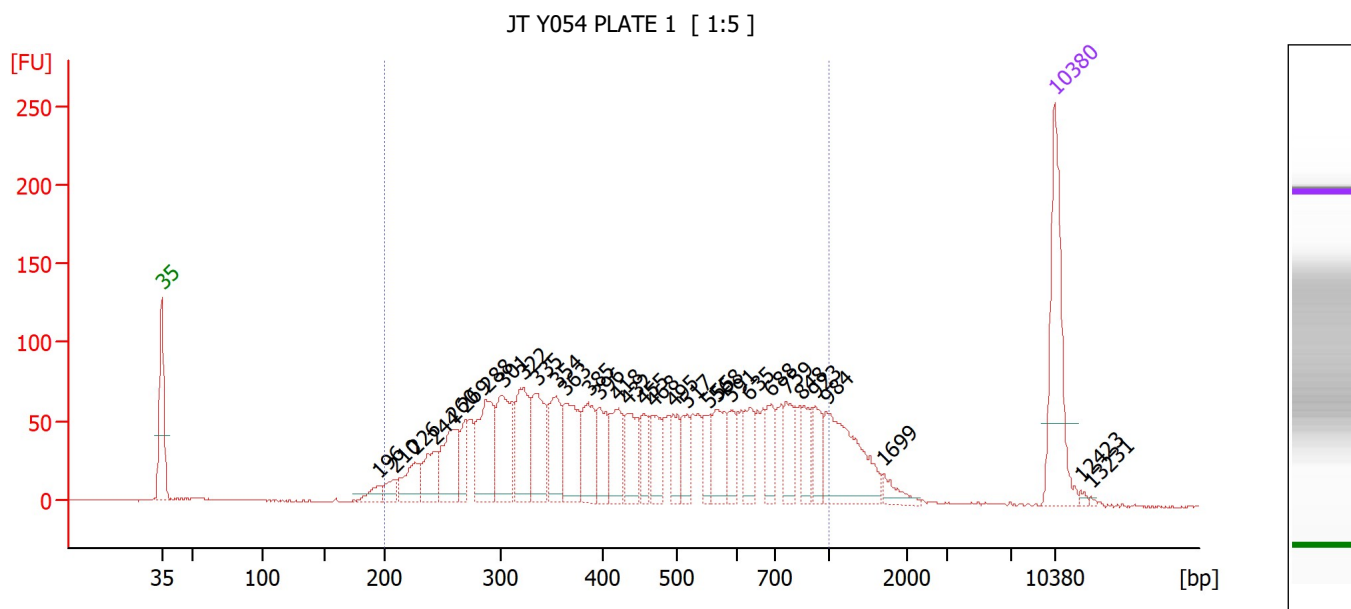
Ladder

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE54107784_2021-05-06_19-43-20.xad

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Electropherogram Summary



Overall Results for sample 1 : JT Y054 PLATE 1

Number of peaks found: 32 Corr. Area 1: 2,460.4
 Noise: 0.5

Peak table for sample 1 : JT Y054 PLATE 1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	196	11.62	89.9	
3	210	13.78	99.6	
4	226	33.89	227.2	
5	244	33.50	208.3	
6	260	58.34	340.5	
7	269	25.29	142.2	
8	288	75.72	399.0	
9	301	71.14	358.0	
10	322	64.69	304.6	
11	335	56.06	253.7	
12	354	46.04	197.2	
13	363	57.87	241.4	
14	385	45.76	180.0	
15	396	36.04	138.0	
16	418	38.21	138.5	
17	432	39.36	138.0	
18	455	24.81	82.6	
19	468	33.27	107.7	
20	495	23.94	73.3	
21	517	21.87	64.1	
22	555	22.19	60.6	
23	568	36.70	97.9	
24	591	21.89	56.1	
25	635	30.45	72.7	
26	688	23.09	50.8	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE54107784_2021-05-06_19-43-20.xad

Created: 06/05/2021 19:43:20
Modified: 07/05/2021 11:46:04

Electropherogram Summary Continued ...**... Peak table for sample 1 : JT Y054 PLATE 1**

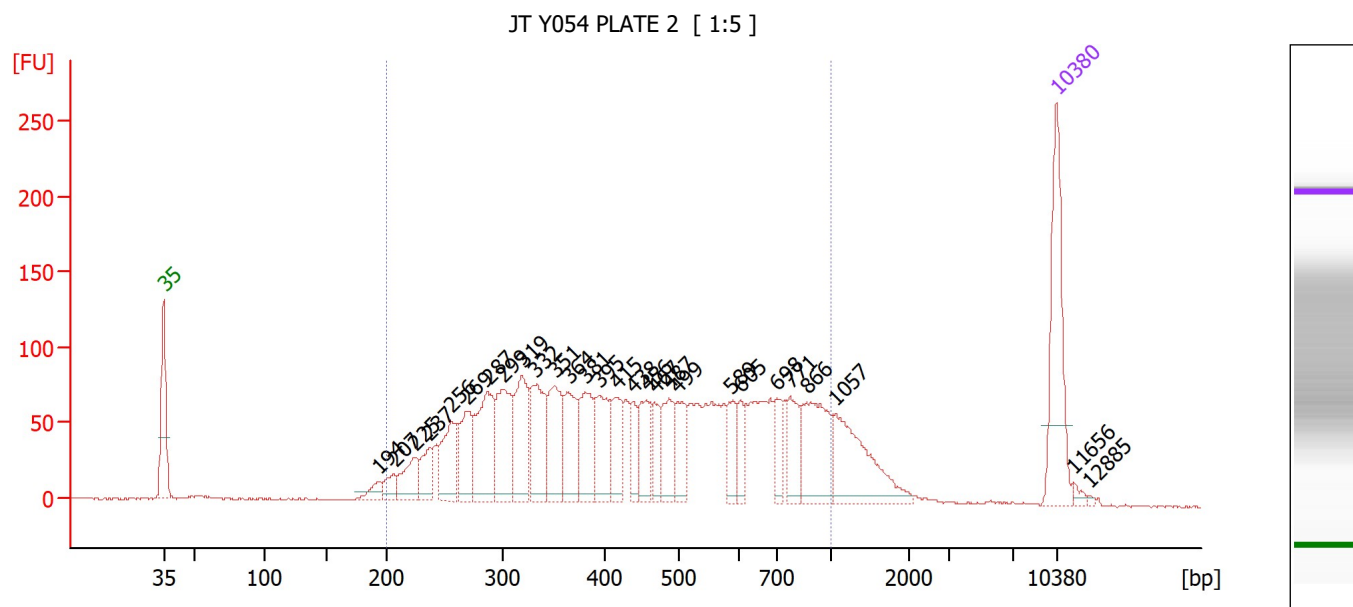
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	759	27.08	54.0	
28	848	22.42	40.1	
29	923	23.41	38.4	
30	984	78.42	120.7	
31	1,699	10.42	9.3	
32	10,380	75.00	10.9	Upper Marker
33	12,423	0.00	0.0	
34	13,231	0.00	0.0	

Region table for sample 1 : JT Y054 PLATE 1

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	2,460.4	91	476	40.4	1,177.92	4,642.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE54107784_2021-05-06_19-43-20.xad

Created: 06/05/2021 19:43:20
 Modified: 07/05/2021 11:46:04

Electropherogram Summary Continued ...**Overall Results for sample 2 : JT Y054 PLATE 2**

Number of peaks found: 28 Corr. Area 1: 2,815.4
 Noise: 0.6

Peak table for sample 2 : JT Y054 PLATE 2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	194	13.69	107.1	
3	207	16.19	118.6	
4	225	35.30	237.8	
5	237	27.25	174.1	
6	256	52.23	309.5	
7	269	53.17	299.9	
8	287	85.12	449.3	
9	299	73.57	372.4	
10	319	69.97	332.6	
11	332	70.51	322.1	
12	351	61.98	267.9	
13	364	51.16	212.9	
14	381	53.53	213.1	
15	395	52.54	201.7	
16	415	39.49	144.3	
17	438	23.00	79.6	
18	456	38.85	129.2	
19	467	25.80	83.7	
20	487	41.51	129.2	
21	499	32.38	98.3	
22	589	25.51	65.6	
23	605	19.21	48.1	
24	698	23.16	50.2	
25	771	33.47	65.8	
26	866	69.28	121.2	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE54107784_2021-05-06_19-43-20.xad

Created: 06/05/2021 19:43:20
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Electropherogram Summary Continued ...**... Peak table for sample 2 : JT Y054 PLATE 2**

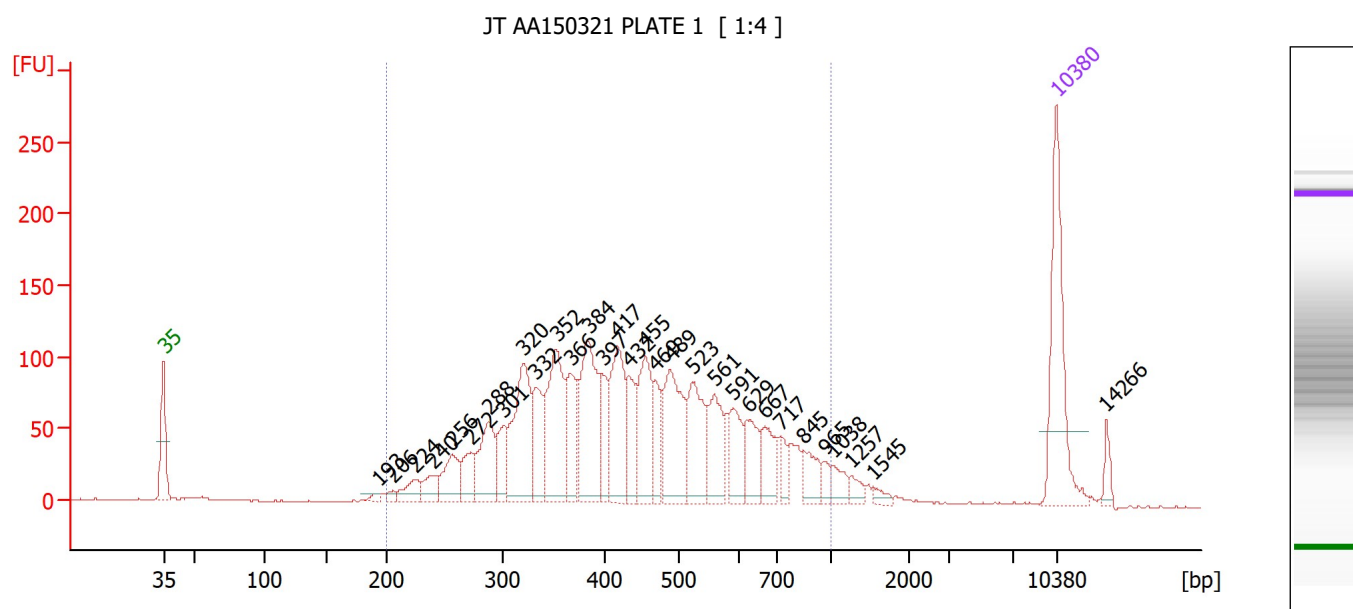
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	1,057	78.27	112.2	Upper Marker
28	10,380	75.00	10.9	
29	11,656	0.00	0.0	
30	12,885	0.00	0.0	

Region table for sample 2 : JT Y054 PLATE 2

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	2,815.4	90	472	40.1	1,305.04	5,168.3	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE54107784_2021-05-06_19-43-20.xad

Created: 06/05/2021 19:43:20
 Modified: 07/05/2021 11:46:04

Electropherogram Summary Continued ...**Overall Results for sample 3 : JT AA150321 PLATE 1**

Number of peaks found: 31 Corr. Area 1: 2,719.8
 Noise: 0.5

Peak table for sample 3 : JT AA150321 PLATE 1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	193	4.15	32.5	
3	206	4.41	32.4	
4	224	17.50	118.4	
5	240	16.70	105.6	
6	256	35.36	209.0	
7	272	25.75	143.2	
8	288	53.24	280.0	
9	301	29.68	149.5	
10	320	95.53	452.6	
11	332	44.34	202.5	
12	352	94.24	405.6	
13	366	46.07	190.5	
14	384	94.52	373.2	
15	397	32.04	122.3	
16	417	71.84	260.8	
17	432	34.37	120.5	
18	455	63.76	212.5	
19	469	26.07	84.2	
20	489	79.07	245.1	
21	523	57.90	167.8	
22	561	42.34	114.4	
23	591	33.46	85.7	
24	629	30.91	74.5	
25	667	27.17	61.7	
26	717	11.84	25.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE54107784_2021-05-06_19-43-20.xad

Created: 06/05/2021 19:43:20
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Electropherogram Summary Continued ...**... Peak table for sample 3 : JT AA150321 PLATE 1**

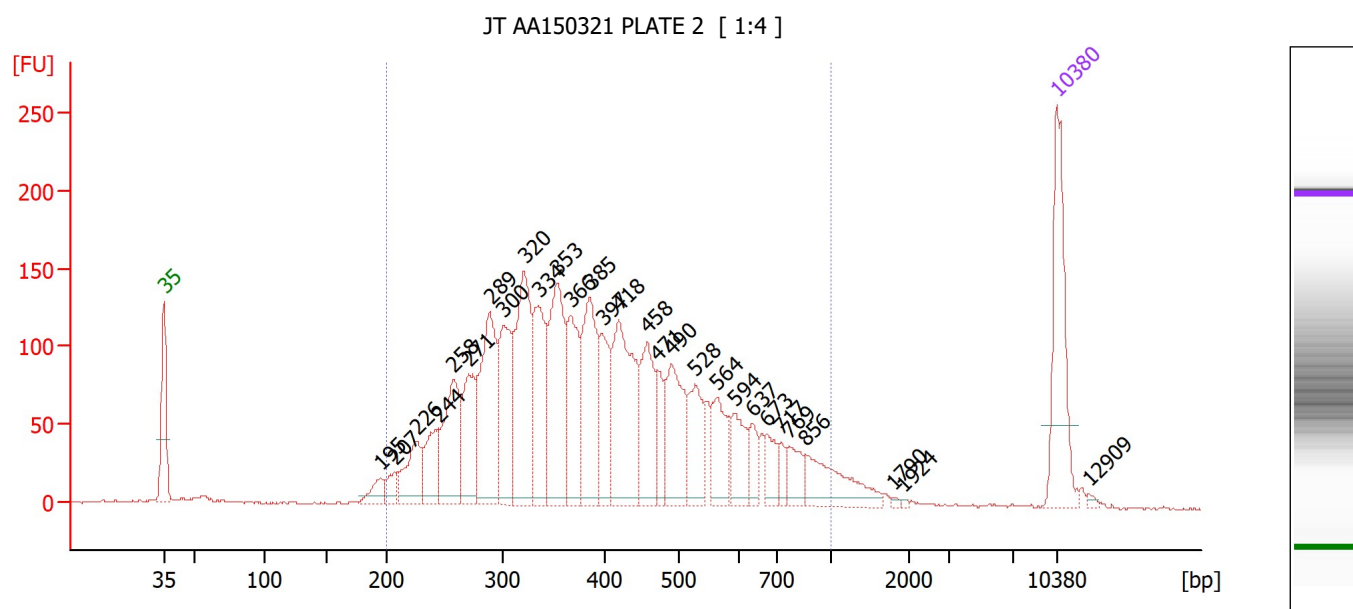
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	845	20.55	36.9	
28	965	8.14	12.8	
29	1,038	10.89	15.9	
30	1,257	7.89	9.5	
31	1,545	4.71	4.6	
32	 10,380	75.00	10.9	Upper Marker
33	14,266	0.00	0.0	

Region table for sample 3 : JT AA150321 PLATE 1

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	2,719.8	94	457	33.6	1,135.35	4,345.1	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...gh Sensitivity DNA Assay_DE54107784_2021-05-06_19-43-20.xad

Created: 06/05/2021 19:43:20
 Modified: 07/05/2021 11:46:04

Electropherogram Summary Continued ...**Overall Results for sample 4 : JT AA150321 PLATE 2**

Number of peaks found: 29 Corr. Area 1: 3,599.1
 Noise: 0.6

Peak table for sample 4 : JT AA150321 PLATE 2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	195	18.42	142.9	
3	207	16.12	117.8	
4	226	49.21	329.4	
5	244	44.37	275.1	
6	258	90.10	530.0	
7	271	70.32	393.4	
8	289	125.70	659.6	
9	300	84.51	426.2	
10	320	136.48	645.3	
11	334	93.49	423.6	
12	353	121.20	520.9	
13	366	78.25	323.5	
14	385	101.93	400.9	
15	397	55.35	211.0	
16	418	127.08	460.3	
17	458	69.42	229.7	
18	471	28.09	90.3	
19	490	74.43	230.2	
20	528	47.52	136.4	
21	564	43.88	117.8	
22	594	33.66	85.8	
23	637	19.54	46.5	
24	673	19.99	45.0	
25	717	11.29	23.9	
26	769	21.95	43.2	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE54107784_2021-05-06_19-43-20.xad

Created: 06/05/2021 19:43:20
Modified: 07/05/2021 11:46:04

Electropherogram Summary Continued ...**... Peak table for sample 4 : JT AA150321 PLATE 2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	856	50.80	89.9	
28	1,790	1.50	1.3	
29	1,924	0.98	0.8	
30	10,380	75.00	10.9	Upper Marker
31	12,909	0.00	0.0	

Region table for sample 4 : JT AA150321 PLATE 2

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	3,599.1	95	416	35.4	1,628.93	6,867.8	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...gh Sensitivity DNA Assay_DE54107784_2021-05-06_19-43-20.xad

Created: 06/05/2021 19:43:20
Modified: 07/05/2021 11:46:04

Gel Image