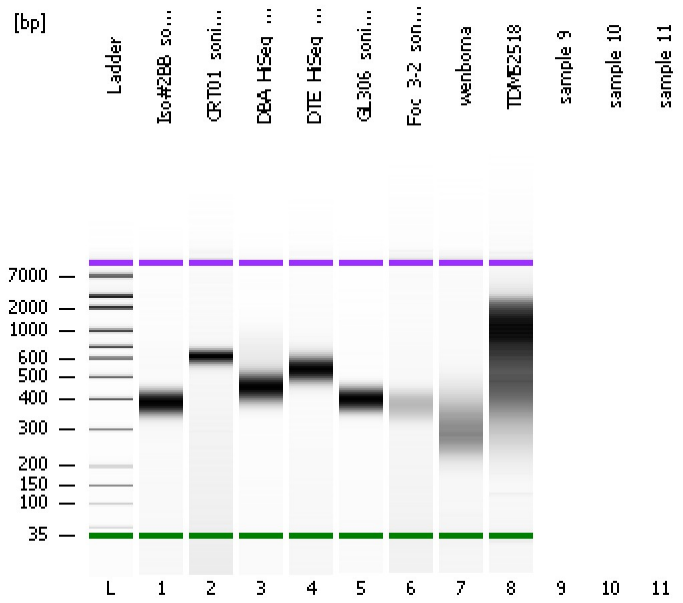
Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-25\2018-05-25_002.xad

Created: 5/25/2018 5:23:23 PM
Modified: 5/25/2018 6:00:02 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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

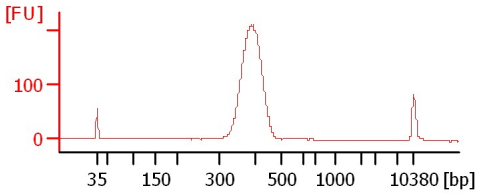
Chip Information:

Chip Lot #:

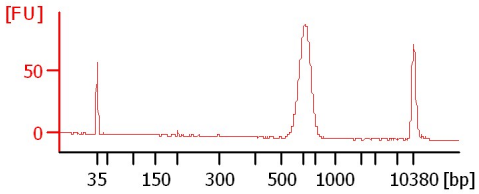
Reagent Kit Lot #:

Chip Comments:

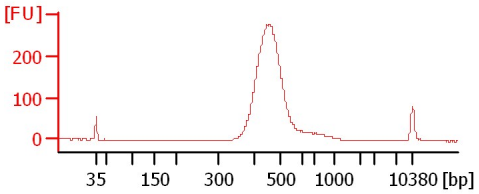
Iso#2BB_soni_gDNA_pippin



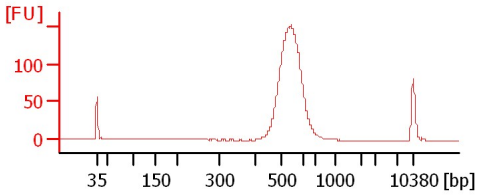
CRT01_soni_gDNA_pippin



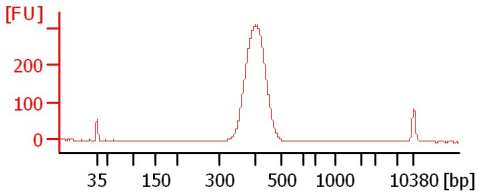
DBA_HiSeq_soni_gDNA_pippin



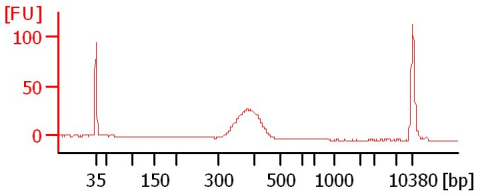
DTE_HiSeq_soni_gDNA_pippin



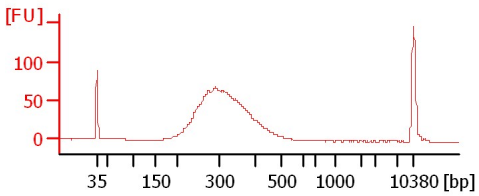
GL306_soni_gDNA_pippin



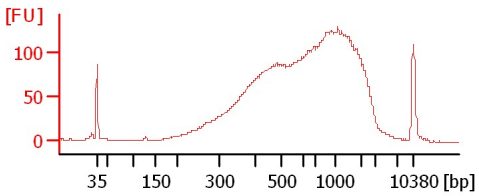
Foc_3-2_soni_gDNA_pippin



wenboma



TDM52518



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-25\2018-05-25_002.xad

Created: 5/25/2018 5:23:23 PM
Modified: 5/25/2018 6:00:02 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Iso#2BB_soni_gDNA_pippin		☐	✔			
CRT01_soni_gDNA_pippin		☐	✔			
DBA_HiSeq_soni_gDNA_pippin		☐	✔			
DTE_HiSeq_soni_gDNA_pippin		☐	✔			
GL306_soni_gDNA_pippin		☐	✔			
Foc_3-2_soni_gDNA_pippin		☐	✔			
wenboma		☐	✔			
TDM52518		☐	✔			
sample 9		☐				
sample 10		☐				
sample 11		☐				
Ladder		☐	✔			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-25\2018-05-25_002.xad
Created: 5/25/2018 5:23:23 PM
Modified: 5/25/2018 6:00:02 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

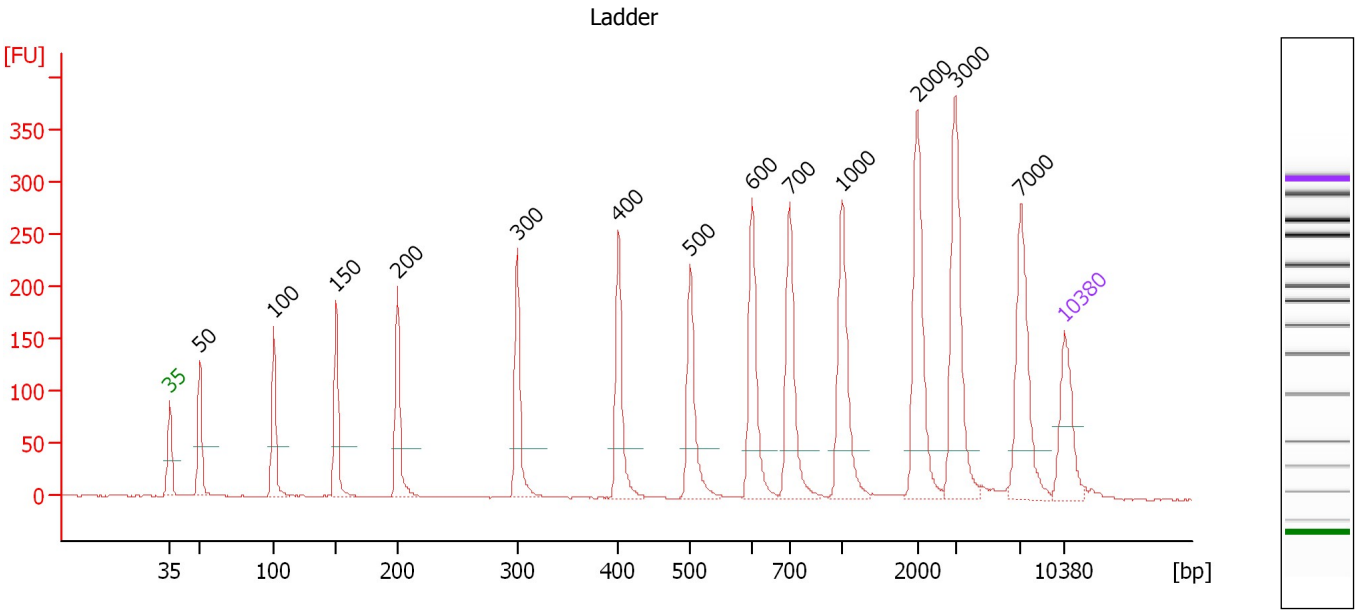
Ladder

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:\... bioanalyzer\2100 expert\data\2018-05-25\2018-05-25_002.xad

Created: 5/25/2018 5:23:23 PM
Modified: 5/25/2018 6:00:02 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

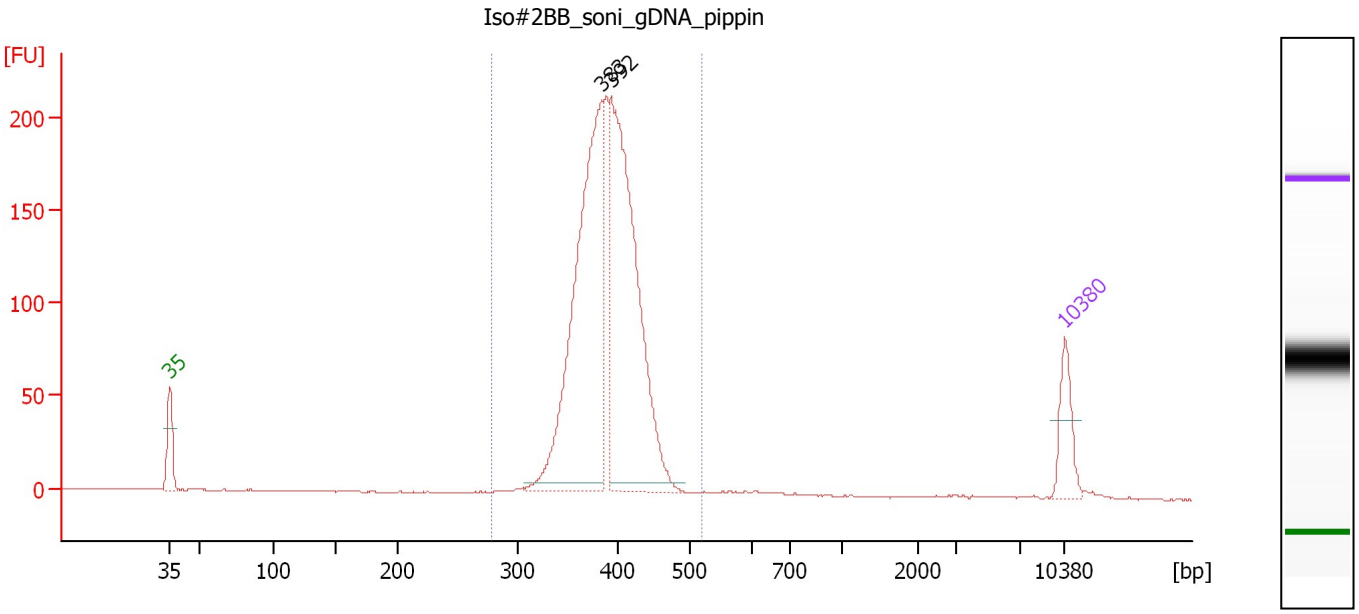
Peak table for Ladder

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1		35	125.00	5,411.3	Lower Marker	43.00
2		50	150.00	4,545.5	Ladder Peak	45.38
3		100	150.00	2,272.7	Ladder Peak	51.14
4		150	150.00	1,515.2	Ladder Peak	56.05
5		200	150.00	1,136.4	Ladder Peak	60.81
6		300	150.00	757.6	Ladder Peak	70.22
7		400	150.00	568.2	Ladder Peak	78.13
8		500	150.00	454.5	Ladder Peak	83.71
9		600	150.00	378.8	Ladder Peak	88.57
10		700	150.00	324.7	Ladder Peak	91.50
11		1,000	150.00	227.3	Ladder Peak	95.59
12		2,000	150.00	113.6	Ladder Peak	101.48
13		3,000	150.00	75.8	Ladder Peak	104.45
14		7,000	150.00	32.5	Ladder Peak	109.58
15		10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-25\2018-05-25_002.xad

Created: 5/25/2018 5:23:23 PM
Modified: 5/25/2018 6:00:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Iso#2BB_soni_gDNA_pippin

Number of peaks found:	2	Corr. Area 1:	1,573.0
Noise:	0.4		

Peak table for sample 1 : Iso#2BB_soni_gDNA_pippin

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	◀	35	125.00	5,411.3	Lower Marker	43.00
2		383	905.54	3,582.7		76.79
3		392	903.70	3,491.0		77.52
4	▶	10,380	75.00	10.9	Upper Marker	113.00

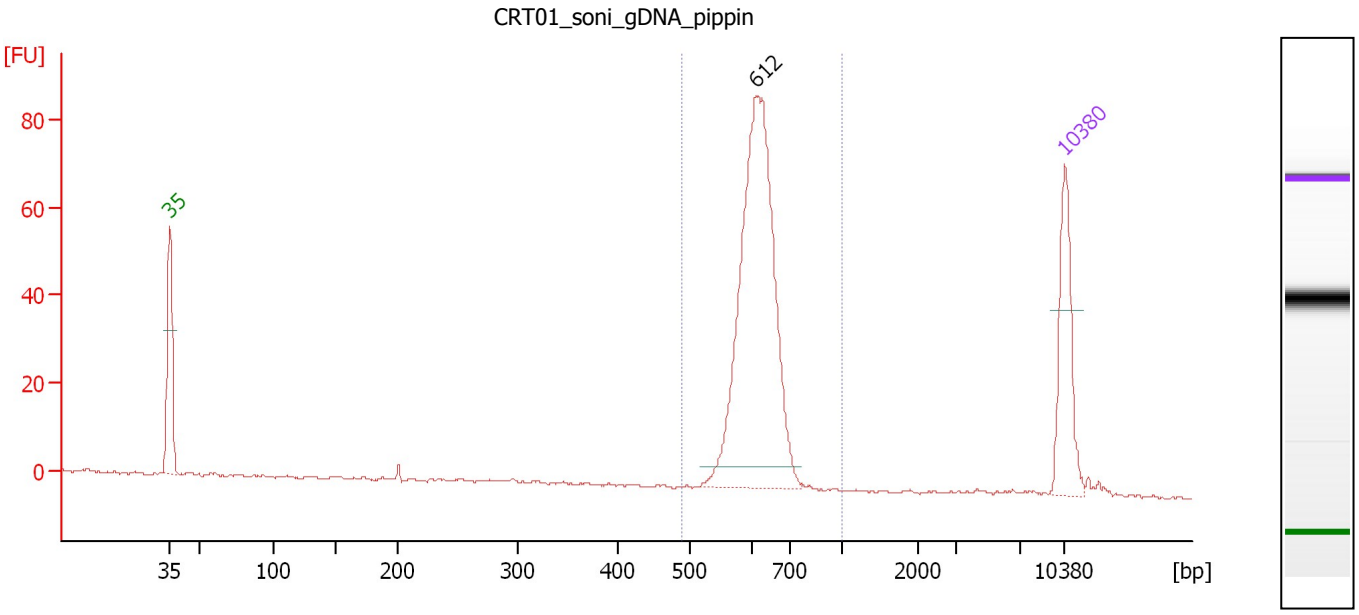
Region table for sample 1 : Iso#2BB_soni_gDNA_pippin

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
278	519	390	2,041.81	1,573.0	7,987.6	97	7.6

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-25\2018-05-25_002.xad

Created: 5/25/2018 5:23:23 PM
Modified: 5/25/2018 6:00:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : CRT01_soni_gDNA_pippin

Number of peaks found:	1	Corr. Area 1:	326.0
Noise:	0.2		

Peak table for sample 2 : CRT01_soni_gDNA_pippin

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	◀	35	125.00	5,411.3	Lower Marker	43.00
2		612	420.50	1,041.7		88.91
3	▶	10,380	75.00	10.9	Upper Marker	113.00

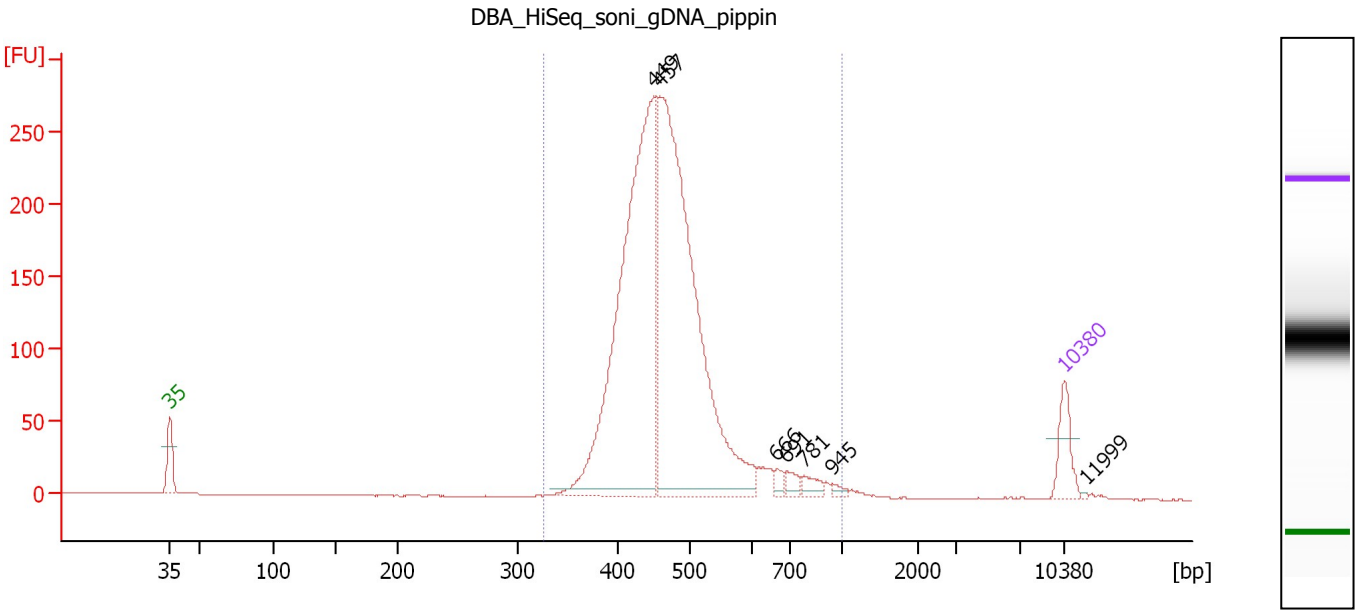
Region table for sample 2 : CRT01_soni_gDNA_pippin

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Color % of Total	Size distribution in CV [%]
490	1,000	617	422.73	326.0	1,040.9	97	6.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-25\2018-05-25_002.xad

Created: 5/25/2018 5:23:23 PM
Modified: 5/25/2018 6:00:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : DBA_HiSeq_soni_gDNA_pippin

Number of peaks found:	7	Corr. Area 1:	2,435.0
Noise:	0.3		

Peak table for sample 3 : DBA_HiSeq_soni_gDNA_pippin

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	449	1,444.43	4,877.0		80.85
3	457	1,573.82	5,216.3		81.32
4	666	20.97	47.7		90.49
5	691	28.71	62.9		91.24
6	781	30.89	59.9		92.60
7	945	12.23	19.6		94.84
8	10,380	75.00	10.9	Upper Marker	113.00
9	11,999	0.00	0.0		114.64

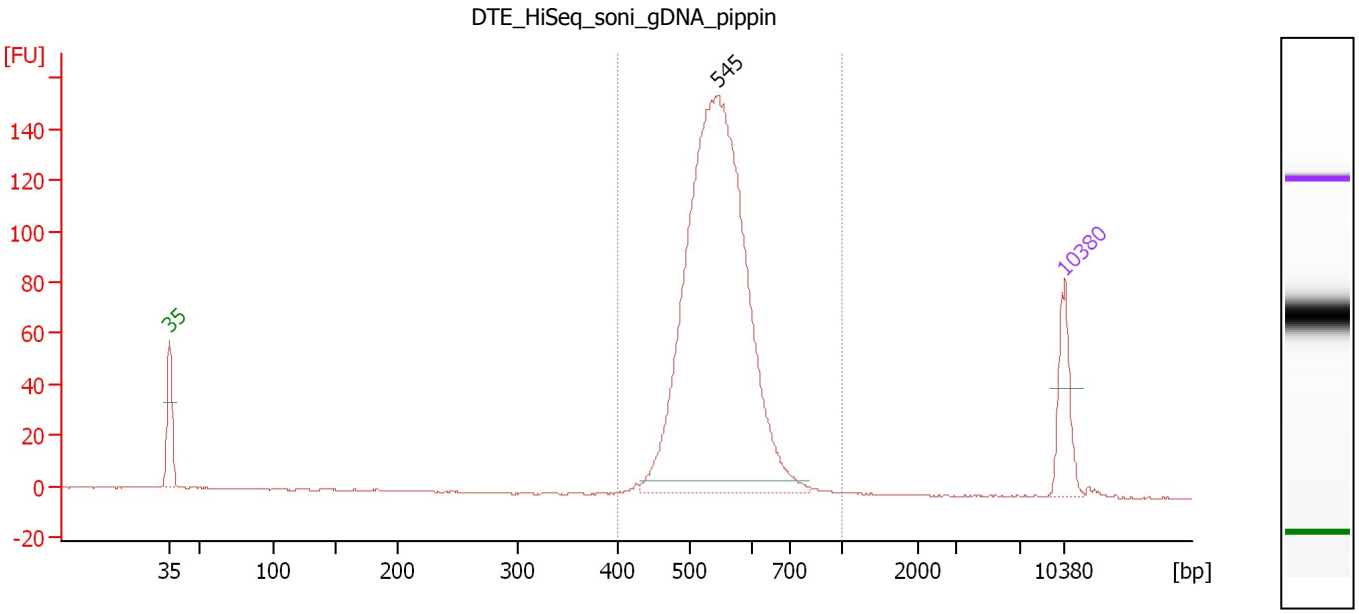
Region table for sample 3 : DBA_HiSeq_soni_gDNA_pippin

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
325	1,000	474	3,205.63	2,435.0	10,529.7	99	17.3

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-25\2018-05-25_002.xad

Created: 5/25/2018 5:23:23 PM
Modified: 5/25/2018 6:00:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : DTE_HiSeq_soni_gDNA_pippin

Number of peaks found:	1	Corr. Area 1:	1,062.9
Noise:	0.3		

Peak table for sample 4 : DTE_HiSeq_soni_gDNA_pippin

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	◀	35	125.00	5,411.3	Lower Marker	43.00
2		545	1,350.86	3,757.9		85.88
3	▶	10,380	75.00	10.9	Upper Marker	113.00

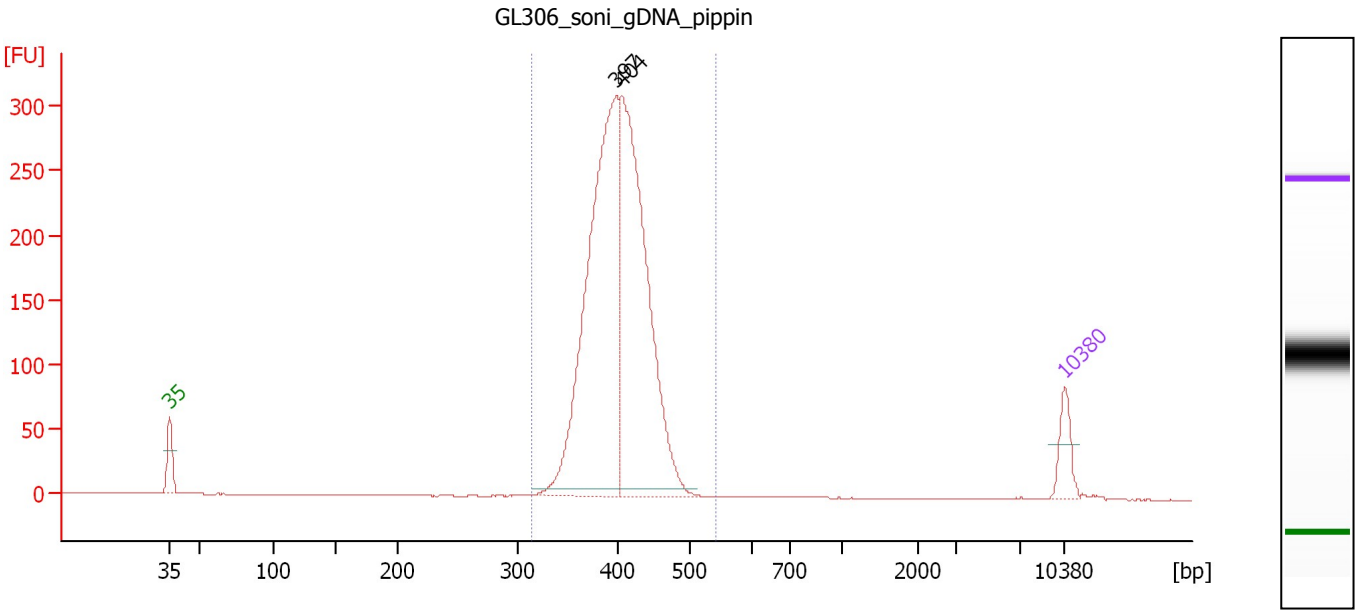
Region table for sample 4 : DTE_HiSeq_soni_gDNA_pippin

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Color % of Total	Size distribution in CV [%]
400	1,000	547	1,376.91	1,062.9	3,851.5	98	10.2

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-25\2018-05-25_002.xad

Created: 5/25/2018 5:23:23 PM
Modified: 5/25/2018 6:00:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : GL306_soni_gDNA_pippin

Number of peaks found:	2	Corr. Area 1:	2,164.1
Noise:	0.2		

Peak table for sample 5 : GL306_soni_gDNA_pippin

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	397	1,516.23	5,781.2		77.93
3	404	1,313.56	4,925.2		78.36
4	10,380	75.00	10.9	Upper Marker	113.00

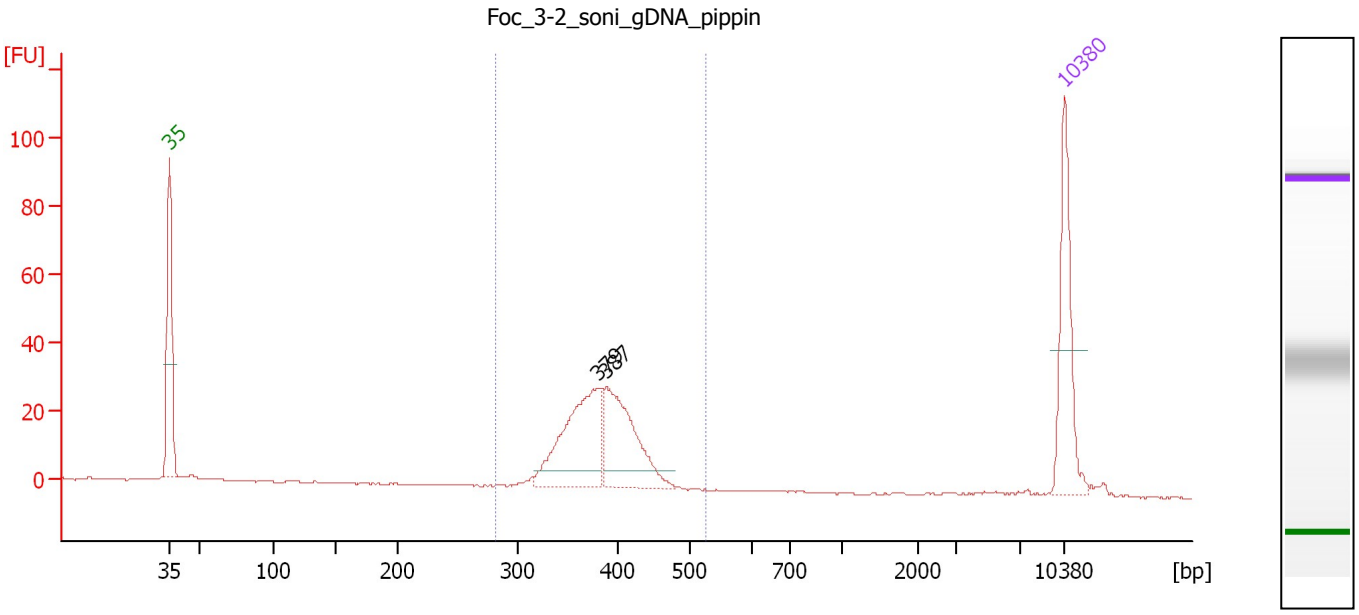
Region table for sample 5 : GL306_soni_gDNA_pippin

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
315	542	403	2,879.98	2,164.1	10,899.7	99	7.5

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-25\2018-05-25_002.xad

Created: 5/25/2018 5:23:23 PM
Modified: 5/25/2018 6:00:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Foc_3-2_soni_gDNA_pippin

Number of peaks found:	2	Corr. Area 1:	242.6
Noise:	0.2		

Peak table for sample 6 : Foc_3-2_soni_gDNA_pippin

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	◀	35	125.00	5,411.3	Lower Marker	43.00
2		379	140.69	561.8		76.51
3		387	120.14	470.4		77.11
4	▶	10,380	75.00	10.9	Upper Marker	113.00

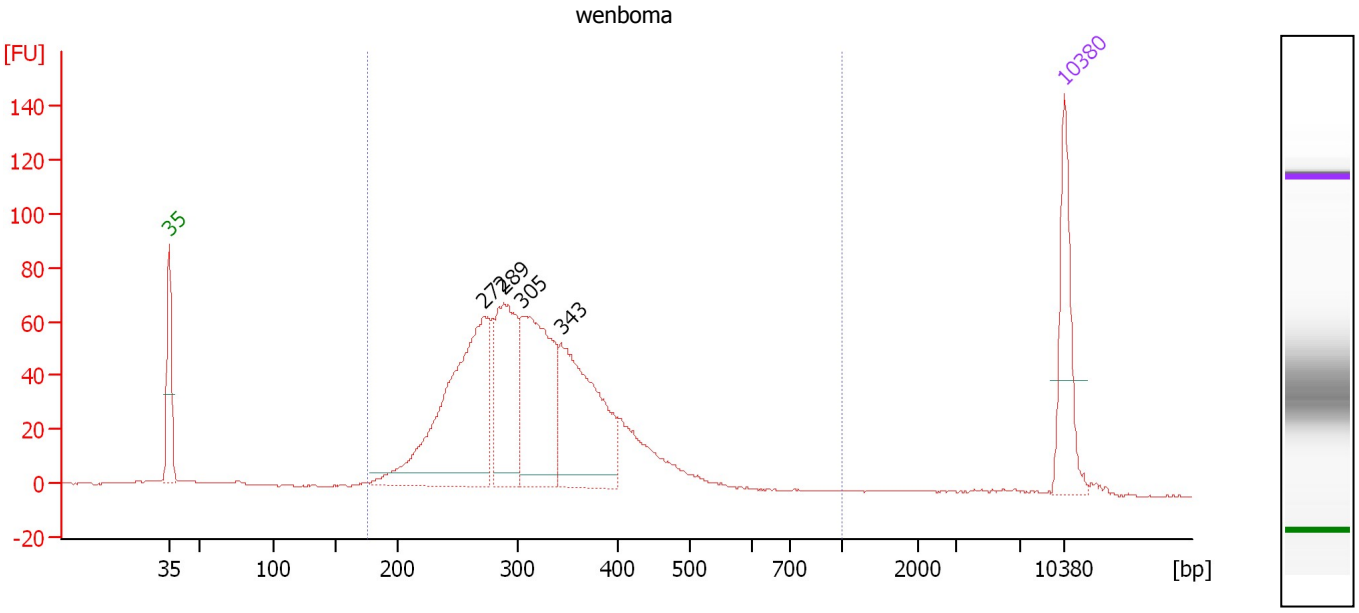
Region table for sample 6 : Foc_3-2_soni_gDNA_pippin

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
281	526	382	266.98	242.6	1,064.8	94	8.4

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-25\2018-05-25_002.xad

Created: 5/25/2018 5:23:23 PM
Modified: 5/25/2018 6:00:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : wenboma

Number of peaks found:	4	Corr. Area 1:	1,259.3
Noise:	0.2		

Peak table for sample 7 : wenboma

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	272	351.61	1,958.2		67.59
3	289	180.01	944.9		69.15
4	305	239.51	1,190.1		70.61
5	343	222.47	982.6		73.63
6	10,380	75.00	10.9	Upper Marker	113.00

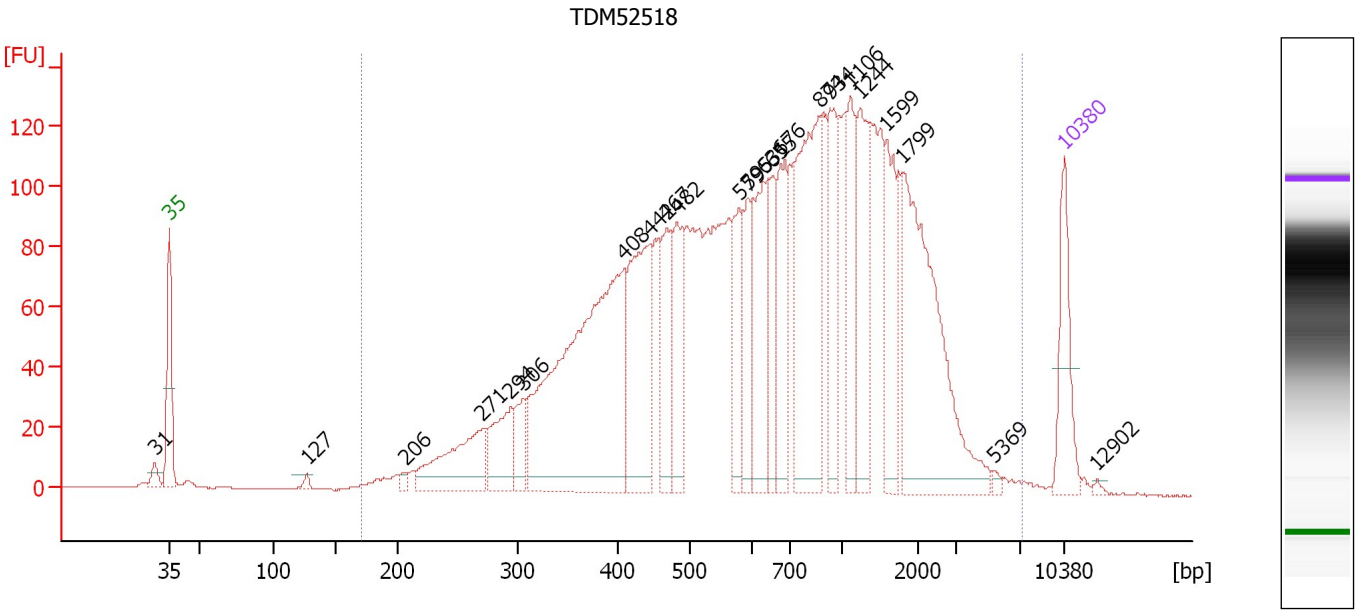
Region table for sample 7 : wenboma

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of Total	Size distribution in CV [%]
175	1,000	320	1,136.32	1,259.3	5,707.0	97	22.4

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-25\2018-05-25_002.xad

Created: 5/25/2018 5:23:23 PM
Modified: 5/25/2018 6:00:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : TDM52518

Number of peaks found:	23	Corr. Area 1:	3,668.9
Noise:	0.2		

Peak table for sample 8 : TDM52518

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1		31	0.00	0.0		41.83
2	◀	35	125.00	5,411.3	Lower Marker	43.00
3		127	8.72	104.2		53.77
4		206	8.64	63.4		61.42
5		271	144.44	807.6		67.49
6		294	91.07	468.8		69.68
7		306	48.38	239.4		70.70
8		408	581.87	2,162.8		78.56
9		442	214.27	733.8		80.50
10		467	108.42	351.7		81.88
11		482	116.06	365.0		82.69
12		579	101.53	265.8		87.54
13		595	74.23	189.2		88.31
14		631	136.61	328.0		89.48
15		655	86.88	200.8		90.19
16		676	121.84	272.9		90.81
17		874	272.74	472.9		93.87
18		934	118.54	192.4		94.68
19		1,106	100.87	138.2		96.21
20		1,244	131.83	160.5		97.03
21		1,599	100.66	95.4		99.12
22		1,799	298.89	251.8		100.30
23		5,369	4.58	1.3		107.49
24	▶	10,380	75.00	10.9	Upper Marker	113.00
25		12,902	0.00	0.0		115.55

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-25\2018-05-25_002.xad

Created: 5/25/2018 5:23:23 PM
Modified: 5/25/2018 6:00:02 PM

Electropherogram Summary Continued ...

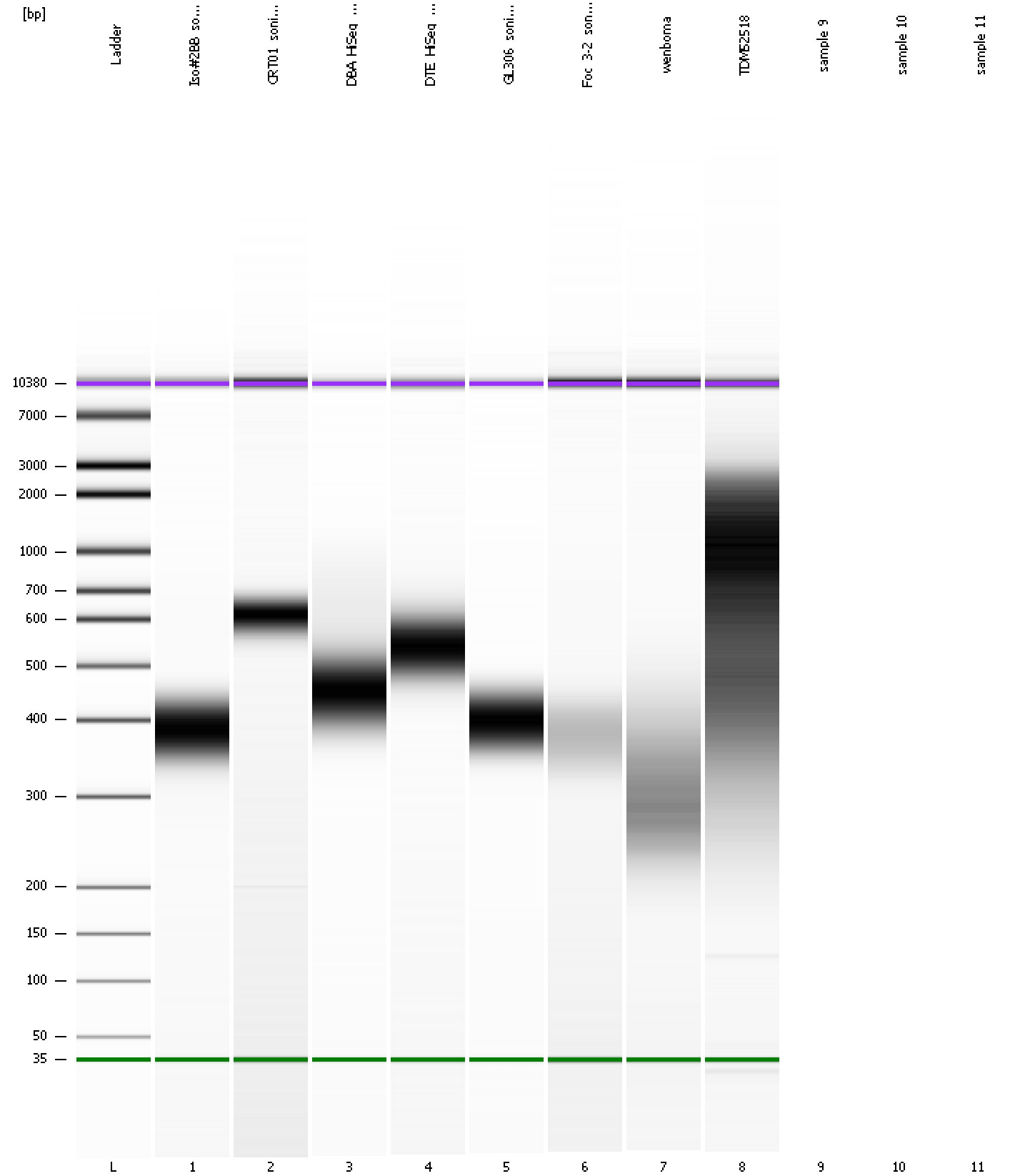
... Region table for sample 8 : TDM52518

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/µl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
170	7,100	936	3,803.11	3,668.9	10,555.0	99	81.4

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-25\2018-05-25_002.xad

Created: 5/25/2018 5:23:23 PM
Modified: 5/25/2018 6:00:02 PM

Gel Image



Assay Class: High Sensitivity DNA Assay Created: 5/25/2018 5:23:23 PM
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-25\2018-05-25_002.xad Modified: 5/25/2018 6:00:02 PM

Invalid Samples

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.