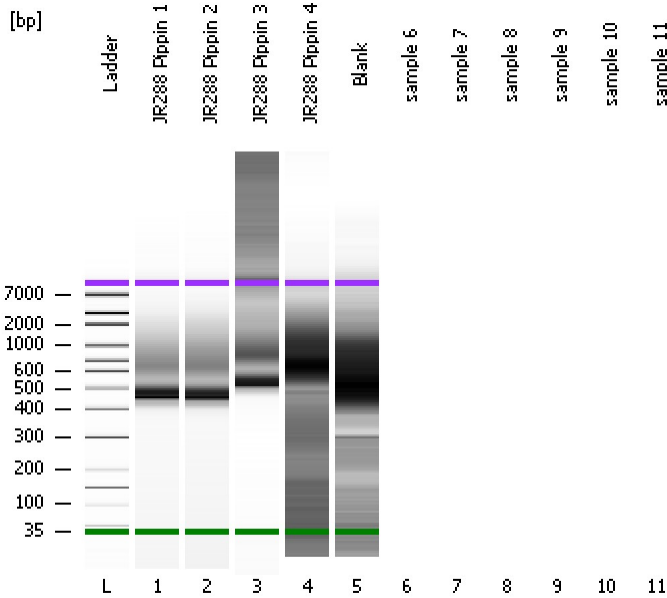


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-29\2018-03-29_001.xad

Created: 3/29/2018 10:27:51 AM
Modified: 3/29/2018 11:23:21 AM

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

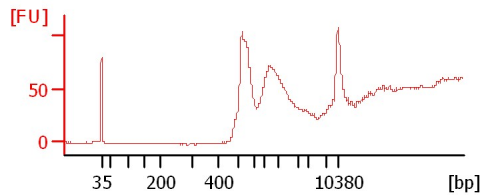
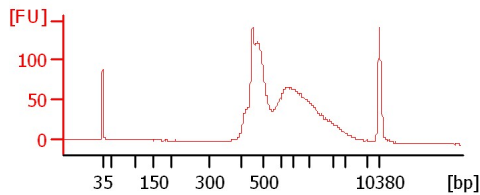
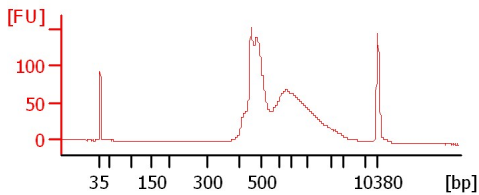
Chip Information:

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

JR288 Pippin 1

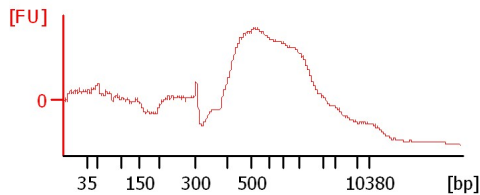
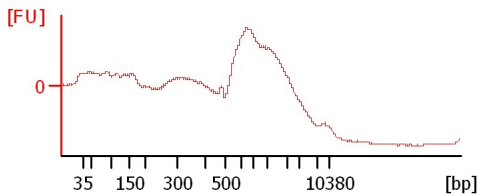
JR288 Pippin 2

JR288 Pippin 3



JR288 Pippin 4

Blank



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-29\2018-03-29_001.xad

Created: 3/29/2018 10:27:51 AM
Modified: 3/29/2018 11:23:21 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
JR288 Pippin 1		<input type="checkbox"/>	✓			
JR288 Pippin 2		<input type="checkbox"/>	✓			
JR288 Pippin 3		<input type="checkbox"/>	✓			
JR288 Pippin 4		<input type="checkbox"/>	✓			
Blank		<input type="checkbox"/>	✓			
sample 6		<input type="checkbox"/>				
sample 7		<input type="checkbox"/>				
sample 8		<input type="checkbox"/>				
sample 9		<input type="checkbox"/>				
sample 10		<input type="checkbox"/>				
sample 11		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

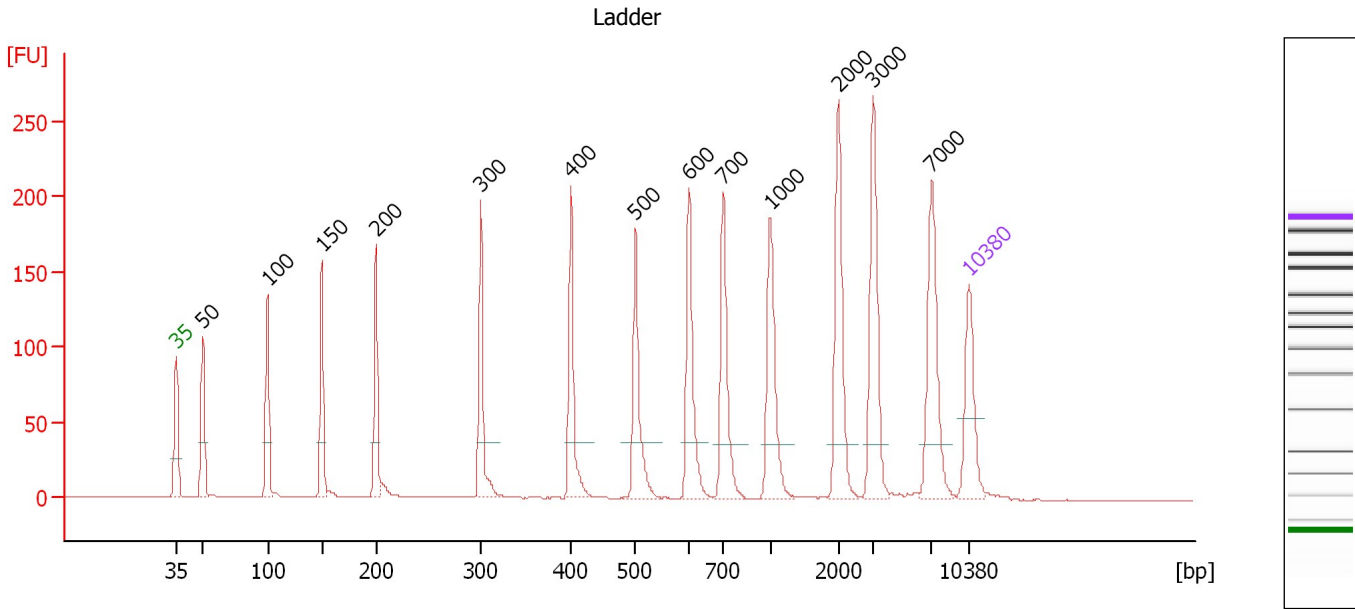
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-29\2018-03-29_001.xad

Created: 3/29/2018 10:27:51 AM
 Modified: 3/29/2018 11:23:21 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

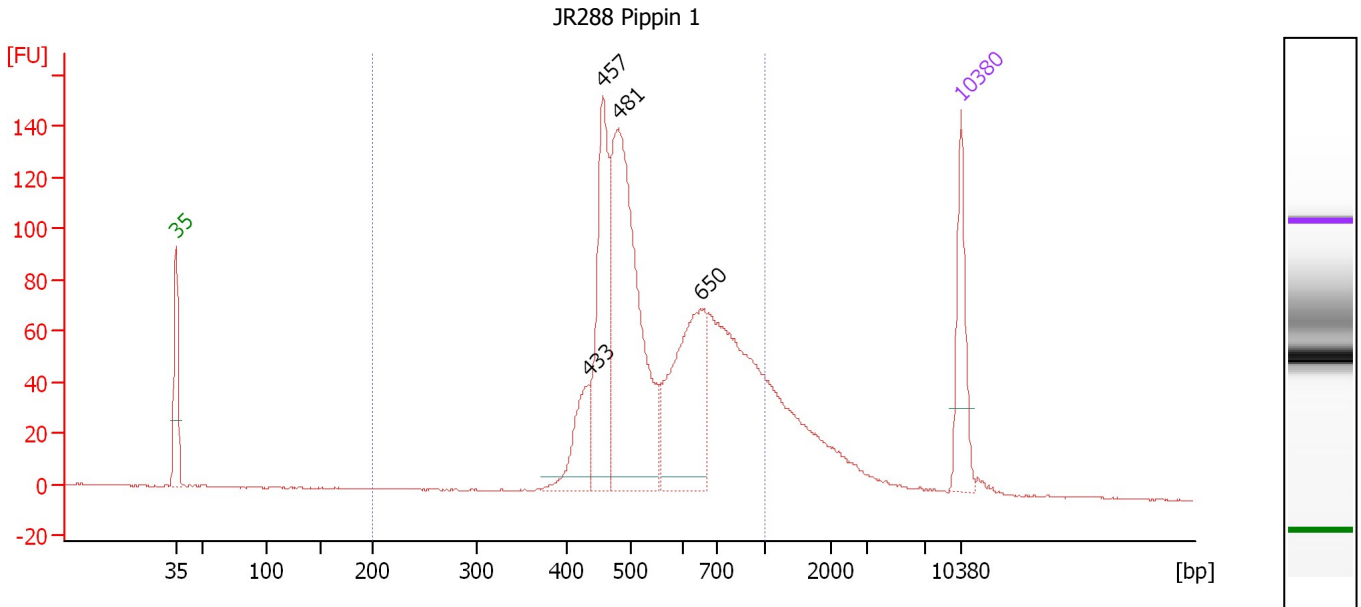
Peak table for Ladder

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	45.36
3	100	150.00	2,272.7	Ladder Peak	51.06
4	150	150.00	1,515.2	Ladder Peak	55.86
5	200	150.00	1,136.4	Ladder Peak	60.62
6	300	150.00	757.6	Ladder Peak	69.90
7	400	150.00	568.2	Ladder Peak	77.86
8	500	150.00	454.5	Ladder Peak	83.56
9	600	150.00	378.8	Ladder Peak	88.27
10	700	150.00	324.7	Ladder Peak	91.33
11	1,000	150.00	227.3	Ladder Peak	95.48
12	2,000	150.00	113.6	Ladder Peak	101.51
13	3,000	150.00	75.8	Ladder Peak	104.57
14	7,000	150.00	32.5	Ladder Peak	109.75
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-29\2018-03-29_001.xad

Created: 3/29/2018 10:27:51 AM
 Modified: 3/29/2018 11:23:21 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : JR288 Pippin 1

Number of peaks found: 4 Corr. Area 1: 1,462.9
 Noise: 0.2

Peak table for sample 1 : JR288 Pippin 1

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	433	81.37	284.5		79.76
3	457	222.85	739.3		81.09
4	481	449.06	1,414.8		82.47
5	650	234.85	547.6		89.79
6	10,380	75.00	10.9	Upper Marker	113.00

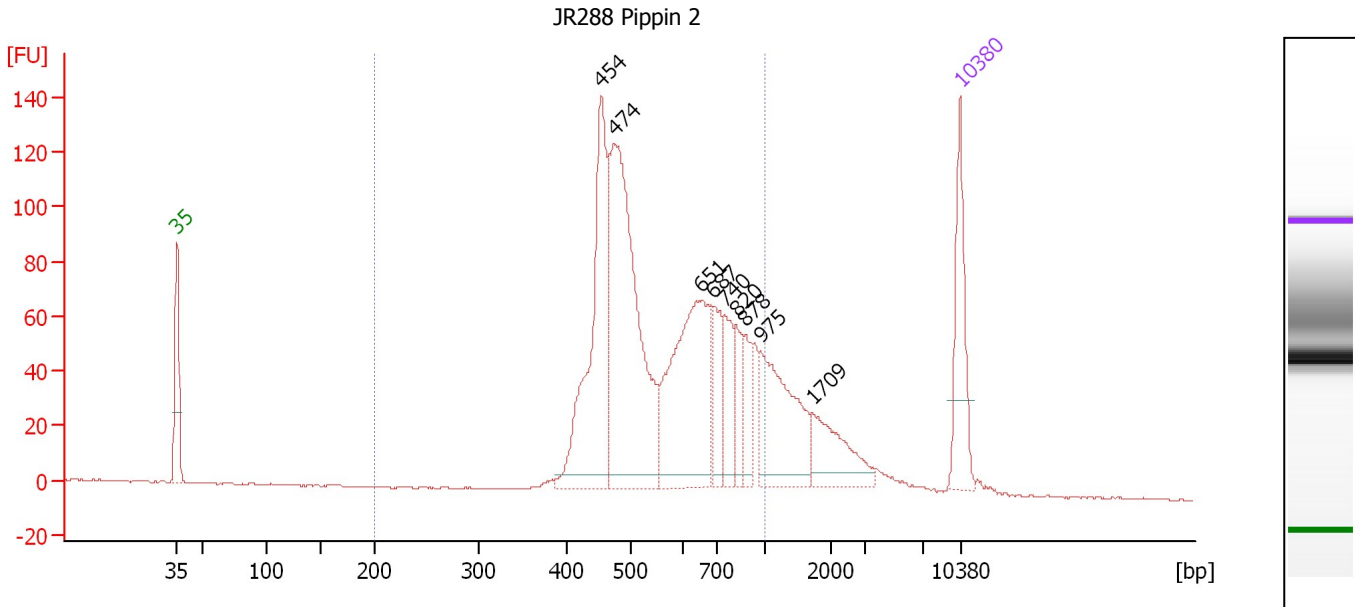
Region table for sample 1 : JR288 Pippin 1

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
200	1,000	586	1,462.9	1,277.19	3,543.8	84	25.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-29\2018-03-29_001.xad

Created: 3/29/2018 10:27:51 AM
 Modified: 3/29/2018 11:23:21 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : JR288 Pippin 2

Number of peaks found: 9 Corr. Area 1: 1,400.9
 Noise: 0.3

Peak table for sample 2 : JR288 Pippin 2

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	454	275.48	919.6		80.93
3	474	405.44	1,296.1		82.07
4	651	250.87	583.6		89.84
5	687	55.64	122.7		90.94
6	740	56.77	116.2		91.89
7	820	36.35	67.2		92.99
8	878	37.52	64.7		93.80
9	975	138.92	215.9		95.13
10	1,709	65.70	58.2		99.75
11	10,380	75.00	10.9	Upper Marker	113.00

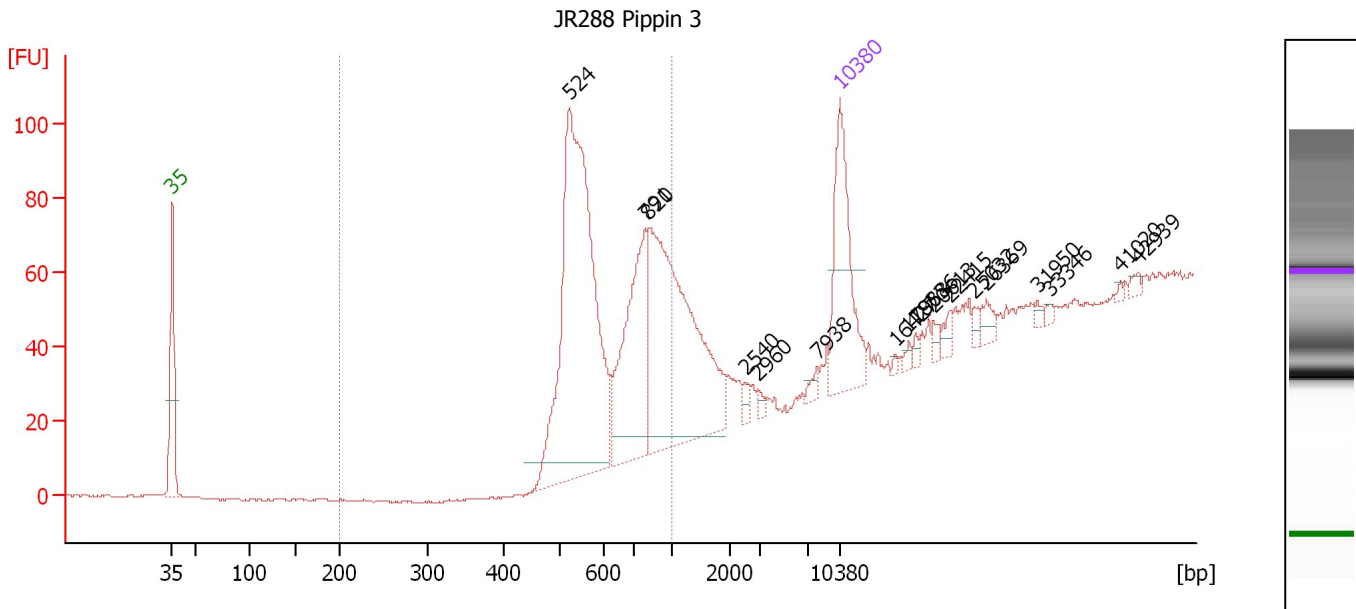
Region table for sample 2 : JR288 Pippin 2

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	590	1,400.9	1,190.69	3,291.7	81	25.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-29\2018-03-29_001.xad

Created: 3/29/2018 10:27:51 AM
 Modified: 3/29/2018 11:23:21 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : JR288 Pippin 3

Number of peaks found: 17 Corr. Area 1: 446.7
 Noise: 0.3

Peak table for sample 3 : JR288 Pippin 3

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	524	346.84	1,002.1		84.71
3	791	124.25	237.9		92.59
4	820	236.66	437.5		92.98
5	2,540	4.76	2.8		103.16
6	2,960	3.15	1.6		104.45
7	7,938	4.87	0.9		110.65
8	10,380	75.00	10.9	Upper Marker	113.00
9	16,427	0.00	0.0		118.81
10	17,938	0.00	0.0		120.27
11	18,636	0.00	0.0		120.94
12	20,613	0.00	0.0		122.84
13	22,415	0.00	0.0		124.57
14	25,032	0.00	0.0		127.09
15	26,369	0.00	0.0		128.38
16	31,950	0.00	0.0		133.74
17	33,346	0.00	0.0		135.08
18	41,020	0.00	0.0		142.46
19	42,939	0.00	0.0		144.31

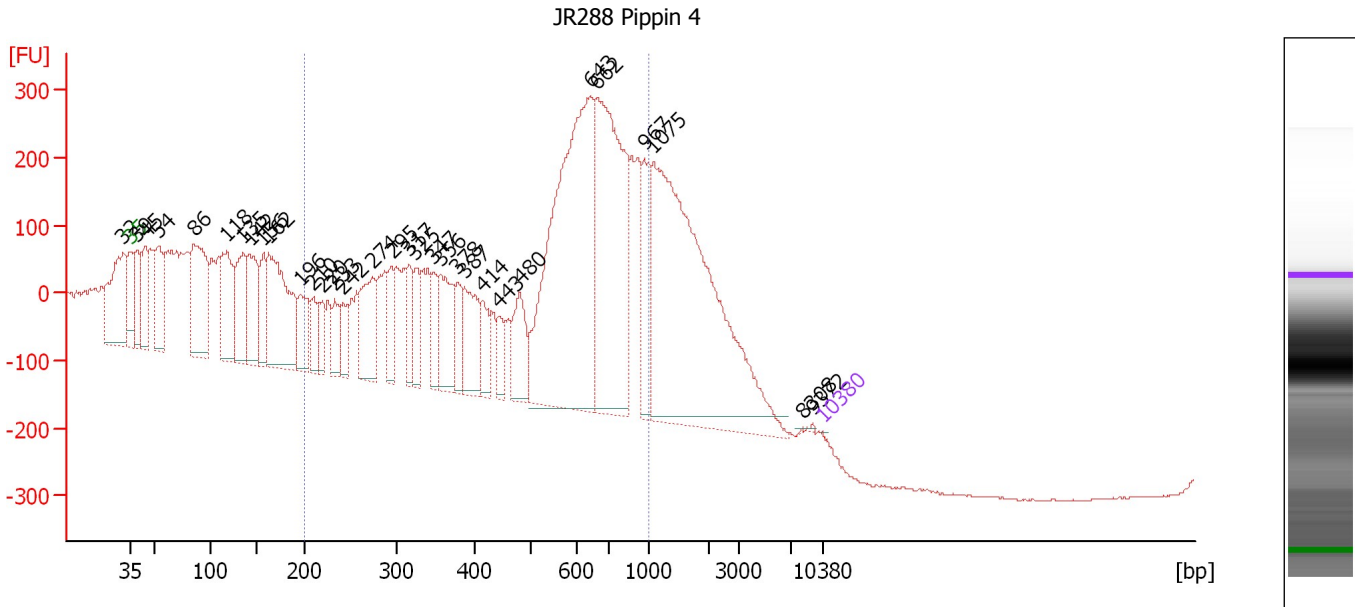
Region table for sample 3 : JR288 Pippin 3

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	664	446.7	342.67	828.4	83	22.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-29\2018-03-29_001.xad

Created: 3/29/2018 10:27:51 AM
 Modified: 3/29/2018 11:23:21 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : JR288 Pippin 4

Number of peaks found: 32 Corr. Area 1: 7,261.1
 Noise: 1.2

Peak table for sample 4 : JR288 Pippin 4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	32	0.00	0.0		42.25
2	35	125.00	5,411.3	Lower Marker	43.00
3	39	19,380.90	757,372.8		43.59
4	45	20,330.08	685,355.3		44.56
5	54	29,404.20	826,551.0		45.80
6	86	49,135.00	870,235.6		49.41
7	118	30,453.02	392,366.0		52.75
8	135	27,796.96	312,051.2		54.42
9	142	26,634.09	284,807.8		55.06
10	156	15,604.95	151,251.4		56.46
11	162	54,525.70	510,029.1		57.00
12	196	14,837.76	114,740.4		60.23
13	210	8,229.23	59,443.1		61.52
14	220	8,473.16	58,456.1		62.44
15	233	9,322.59	60,631.9		63.68
16	242	8,703.31	54,435.0		64.54
17	274	22,865.86	126,367.4		67.50
18	295	10,403.81	53,425.8		69.44
19	317	10,205.90	48,849.8		71.22
20	325	11,404.28	53,221.1		71.86
21	347	9,303.80	40,625.7		73.64
22	356	21,457.08	91,204.9		74.39
23	378	9,302.74	37,278.4		76.12
24	387	18,099.02	70,879.0		76.82
25	414	9,232.98	33,805.8		78.65

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-29\2018-03-29_001.xad

Created: 3/29/2018 10:27:51 AM
 Modified: 3/29/2018 11:23:21 AM

Electropherogram Summary Continued ...

... Peak table for sample 4 : JR288 Pippin 4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	443	6,766.86	23,138.7		80.32
27	480	14,963.09	47,237.4		82.42
28	643	118,547.84	279,469.4		89.58
29	662	82,581.24	188,992.0		90.17
30	967	18,353.69	28,768.5		95.02
31	1,075	123,425.42	173,904.6		95.93
32	8,308	75.66	13.8		111.01
33	9,372	202.26	32.7		112.03
34	10,380	75.00	10.9	Upper Marker	113.00

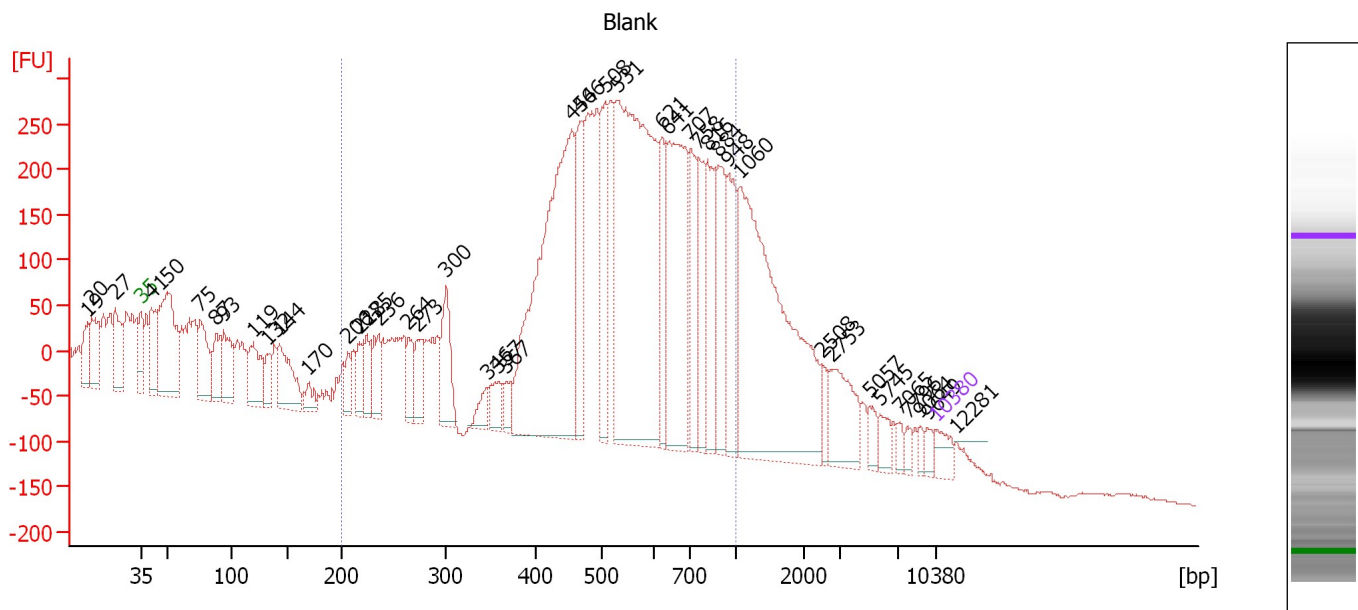
Region table for sample 4 : JR288 Pippin 4

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	576	7,261.1	373,343.16	1,249,853.1	57	35.7

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-29\2018-03-29_001.xad

Created: 3/29/2018 10:27:51 AM
Modified: 3/29/2018 11:23:21 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Blank

Number of peaks found: 43 Corr. Area 1: 7,996.6
Noise: 1.7

Peak table for sample 5 : Blank

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	19	0.00	0.0		38.31
2	20	0.00	0.0		38.69
3	27	0.00	0.0		40.80
4	35	125.00	5,411.3	Lower Marker	43.00
5	41	345.93	12,792.7		43.94
6	50	941.76	28,750.2		45.30
7	75	414.26	8,324.2		48.25
8	87	226.41	3,928.1		49.61
9	93	359.42	5,824.4		50.31
10	119	359.53	4,591.7		52.85
11	132	133.14	1,530.4		54.11
12	144	388.42	4,100.6		55.24
13	170	95.05	849.3		57.72
14	206	115.45	848.4		61.19
15	218	159.71	1,108.5		62.32
16	225	181.61	1,220.9		62.97
17	236	211.59	1,358.5		63.96
18	264	160.00	917.3		66.58
19	273	179.31	993.8		67.43
20	300	323.21	1,634.2		69.87
21	346	92.64	405.5		73.57
22	357	129.42	549.7		74.41
23	367	75.86	313.4		75.21
24	454	2,084.95	6,959.9		80.93
25	466	480.13	1,560.3		81.63

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-29\2018-03-29_001.xad

Created: 3/29/2018 10:27:51 AM
 Modified: 3/29/2018 11:23:21 AM

Electropherogram Summary Continued ...

... Peak table for sample 5 : Blank

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	508	464.12	1,384.5		83.93
27	531	2,300.53	6,566.8		85.01
28	621	323.98	790.9		88.90
29	641	940.18	2,223.9		89.51
30	707	358.84	768.6		91.43
31	758	298.72	596.9		92.14
32	816	384.79	714.5		92.93
33	884	406.55	697.0		93.87
34	948	358.83	573.3		94.76
35	1,060	1,720.41	2,458.5		95.84
36	2,508	66.25	40.0		103.06
37	2,753	273.70	150.7		103.81
38	5,057	66.92	20.0		107.23
39	5,745	64.76	17.1		108.12
40	7,065	35.85	7.7		109.81
41	7,796	33.29	6.5		110.52
42	9,064	28.83	4.8		111.73
43	9,649	36.85	5.8		112.30
44	10,380	75.00	10.9	Upper Marker	113.00
45	12,281	0.00	0.0		114.83

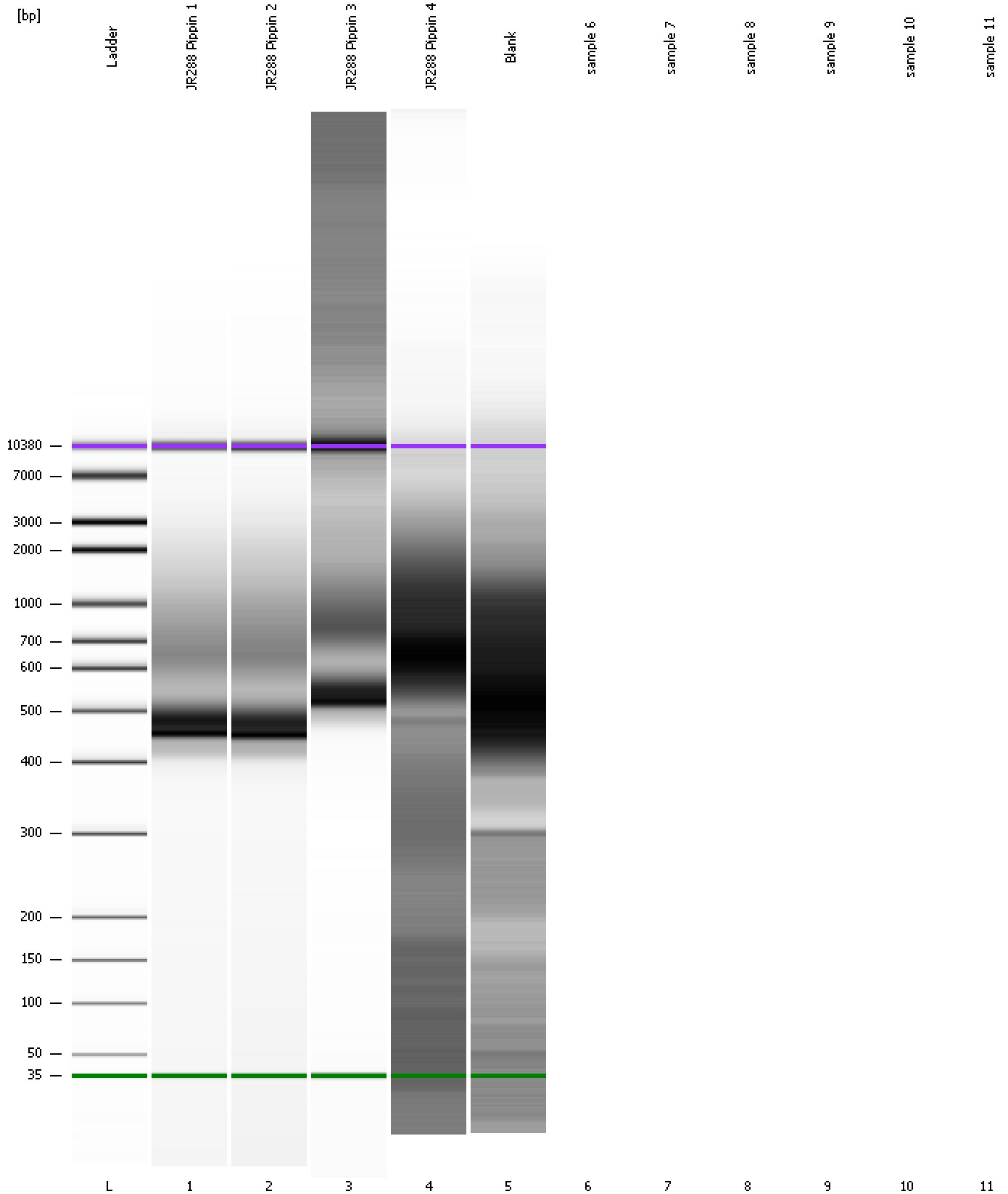
Region table for sample 5 : Blank

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	567	7,996.6	10,210.28	32,402.7	69	31.3

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-29\2018-03-29_001.xad

Created: 3/29/2018 10:27:51 AM
Modified: 3/29/2018 11:23:21 AM

Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-29\2018-03-29_001.xad

Created: 3/29/2018 10:27:51 AM
Modified: 3/29/2018 11:23:21 AM

Invalid Samples

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

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.