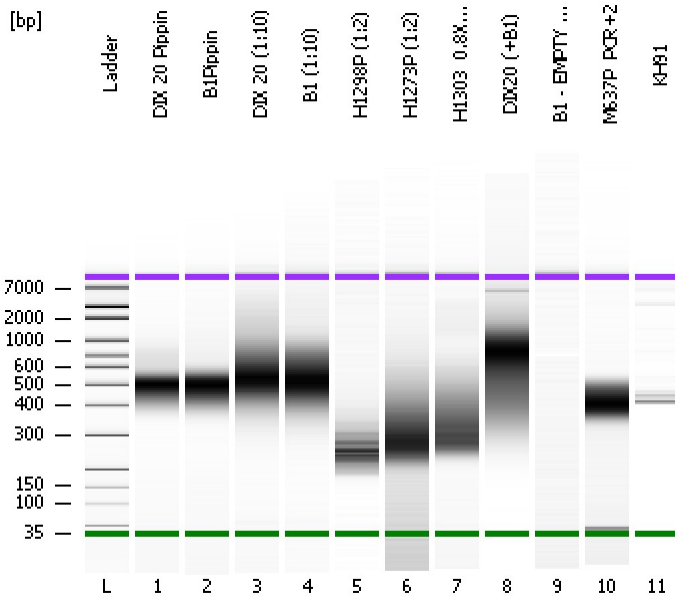


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-01\2018-03-01_001.xad

Created: 3/1/2018 8:56:16 AM
Modified: 3/1/2018 9:42:16 AM

Electrophoresis File Run Summary



Instrument Information:

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

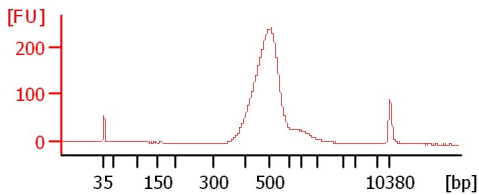
Assay Information:

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

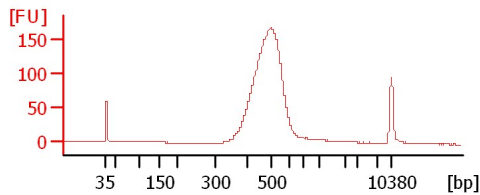
Chip Information:

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

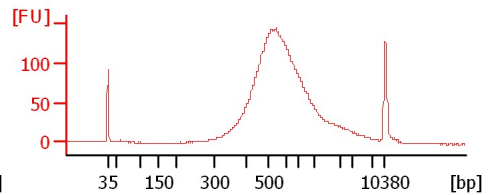
DIX 20 Pippin



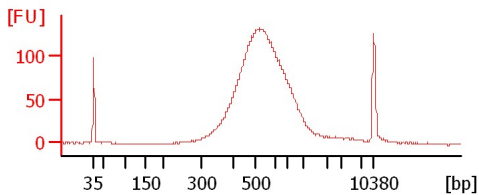
B1Pippin



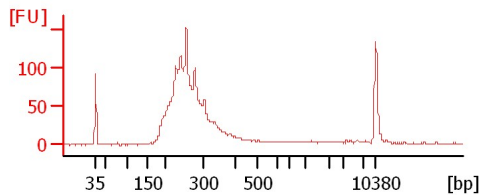
DIX 20 (1:10)



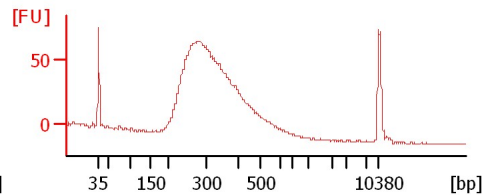
B1 (1:10)



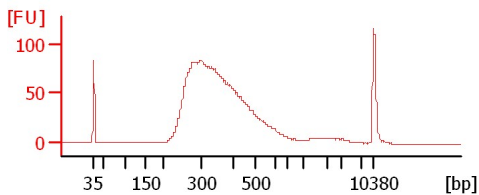
H1298P (1:2)



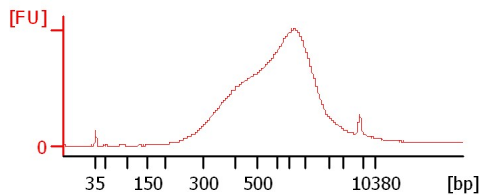
H1273P (1:2)



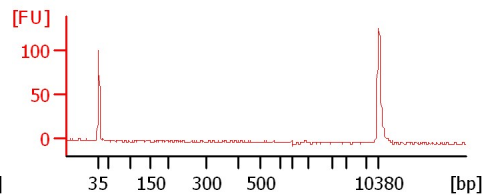
H1303_0.8X clean-up



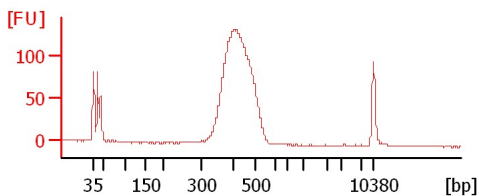
DIX20 (+B1)



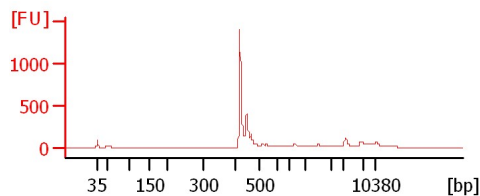
B1 - EMPTY WELL



M637P_PCR+2



KH91



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-01\2018-03-01_001.xad

Created: 3/1/2018 8:56:16 AM
 Modified: 3/1/2018 9:42:16 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
DIX 20 Pippin		<input type="checkbox"/>	✓			
B1Pippin		<input type="checkbox"/>	✓			
DIX 20 (1:10)		<input type="checkbox"/>	✓			
B1 (1:10)		<input type="checkbox"/>	✓			
H1298P (1:2)		<input type="checkbox"/>	✓			
H1273P (1:2)		<input type="checkbox"/>	✓			
H1303_0.8X clean-up		<input type="checkbox"/>	✓			
DIX20 (+B1)		<input type="checkbox"/>	✓			
B1 - EMPTY WELL		<input type="checkbox"/>	✓			
M637P_PCR+2		<input type="checkbox"/>	✓			
KH91		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

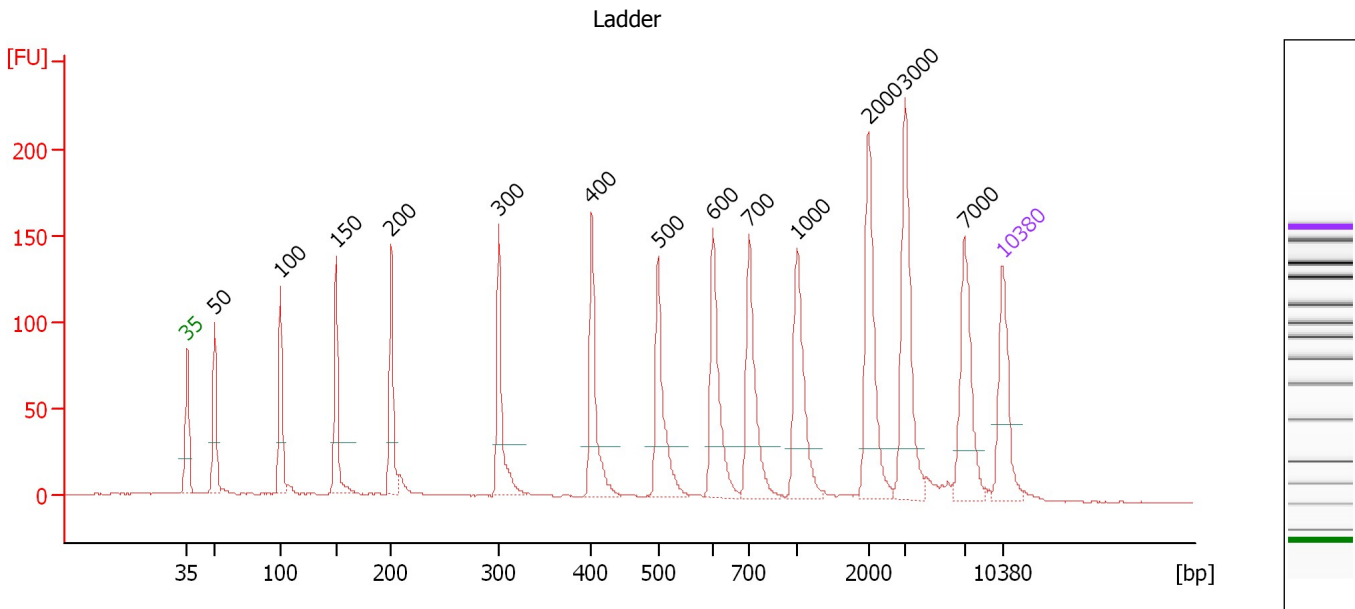
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-01\2018-03-01_001.xad

Created: 3/1/2018 8:56:16 AM
 Modified: 3/1/2018 9:42:16 AM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.4

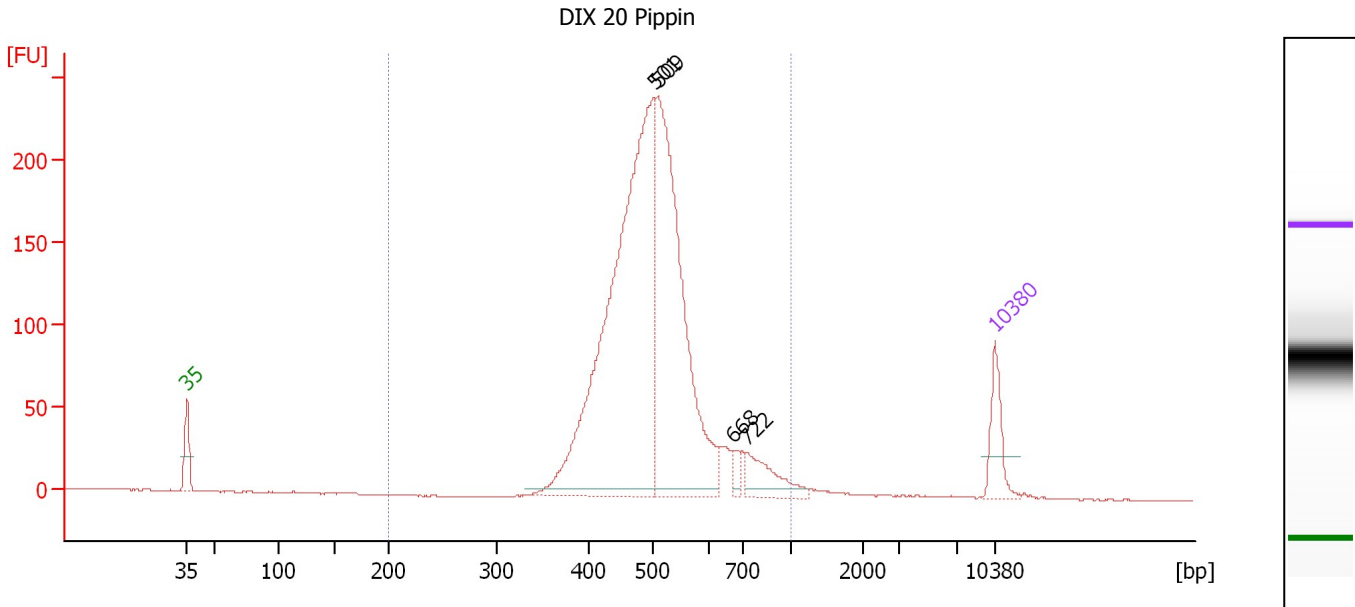
Peak table for Ladder

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	51.01
4	150	150.00	1,515.2	Ladder Peak	55.82
5	200	150.00	1,136.4	Ladder Peak	60.53
6	300	150.00	757.6	Ladder Peak	69.78
7	400	150.00	568.2	Ladder Peak	77.75
8	500	150.00	454.5	Ladder Peak	83.43
9	600	150.00	378.8	Ladder Peak	88.19
10	700	150.00	324.7	Ladder Peak	91.25
11	1,000	150.00	227.3	Ladder Peak	95.37
12	2,000	150.00	113.6	Ladder Peak	101.51
13	3,000	150.00	75.8	Ladder Peak	104.67
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\2018-03-01\2018-03-01_001.xad

Created: 3/1/2018 8:56:16 AM
 Modified: 3/1/2018 9:42:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : DIX 20 Pippin

Number of peaks found: 4 Corr. Area 1: 2,246.2
 Noise: 0.4

Peak table for sample 1 : DIX 20 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	501	1,491.94	4,511.5		83.48
3	509	924.44	2,752.8		83.84
4	668	24.56	55.7		90.27
5	722	100.52	210.8		91.56
6	10,380	75.00	10.9	Upper Marker	113.00

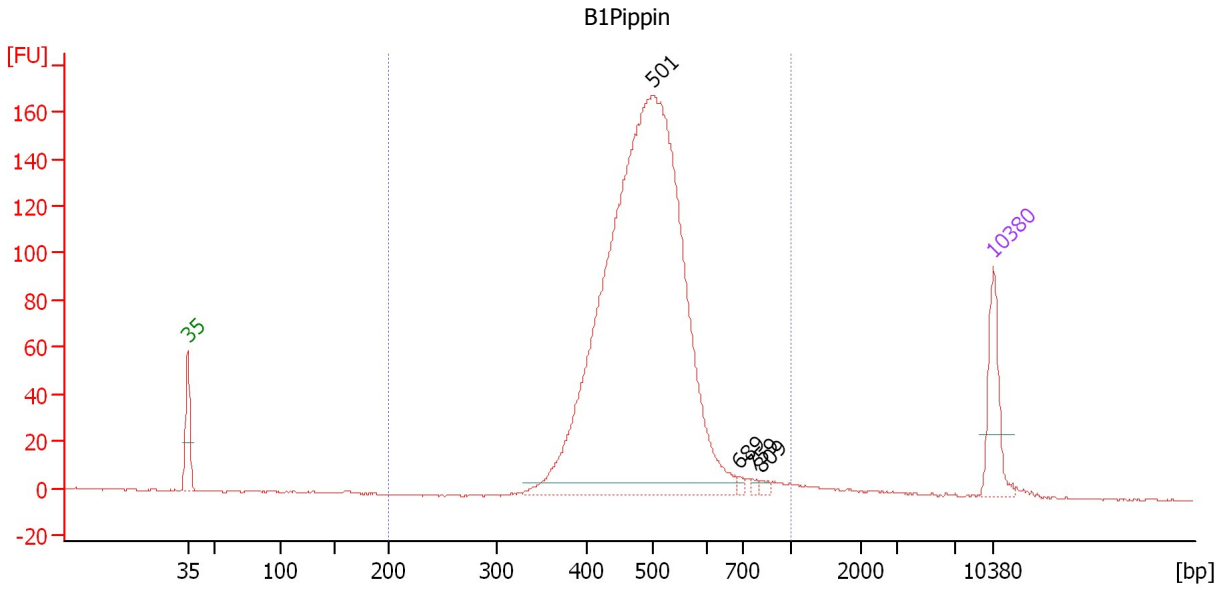
Region table for sample 1 : DIX 20 Pippin

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	507	2,246.2	2,570.39	7,919.1	98	17.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-01\2018-03-01_001.xad

Created: 3/1/2018 8:56:16 AM
 Modified: 3/1/2018 9:42:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : B1Pippin

Number of peaks found: 4 Corr. Area 1: 1,718.8
 Noise: 0.3

Peak table for sample 2 : B1Pippin

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	501	1,858.09	5,615.3		83.49
3	689	5.16	11.4		90.90
4	759	5.49	11.0		92.06
5	809	6.15	11.5		92.76
6	10,380	75.00	10.9	Upper Marker	113.00

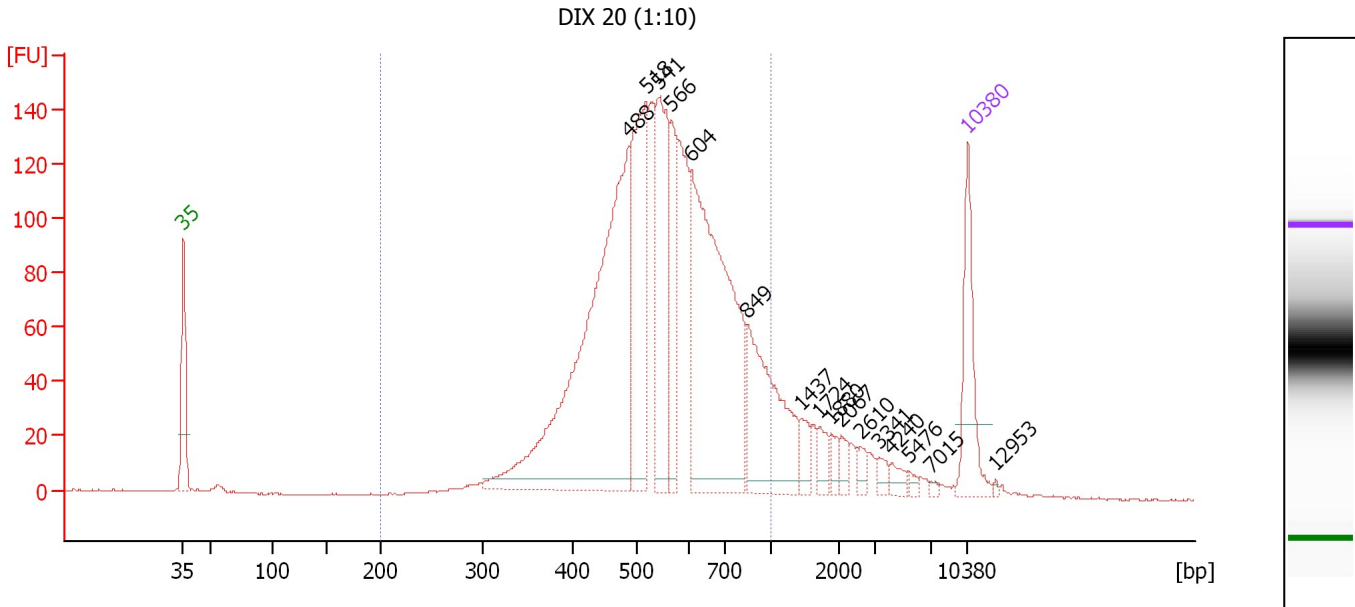
Region table for sample 2 : B1Pippin

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	494	1,718.8	1,901.32	5,979.7	97	15.5

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-01\2018-03-01_001.xad

Created: 3/1/2018 8:56:16 AM
 Modified: 3/1/2018 9:42:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : DIX 20 (1:10)

Number of peaks found: 16 Corr. Area 1: 2,260.7
 Noise: 0.3

Peak table for sample 3 : DIX 20 (1:10)

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	488	632.71	1,965.1		82.73
3	518	225.52	659.0		84.31
4	541	190.66	533.5		85.40
5	566	90.14	241.1		86.59
6	604	430.65	1,080.7		88.30
7	849	177.22	316.3		93.30
8	1,437	21.10	22.2		98.06
9	1,724	17.39	15.3		99.82
10	1,880	11.39	9.2		100.77
11	2,067	11.87	8.7		101.72
12	2,610	9.71	5.6		103.44
13	3,341	9.34	4.2		105.10
14	4,240	10.27	3.7		106.24
15	5,476	4.64	1.3		107.81
16	7,015	2.78	0.6		109.76
17	10,380	75.00	10.9	Upper Marker	113.00
18	12,953	0.00	0.0		115.47

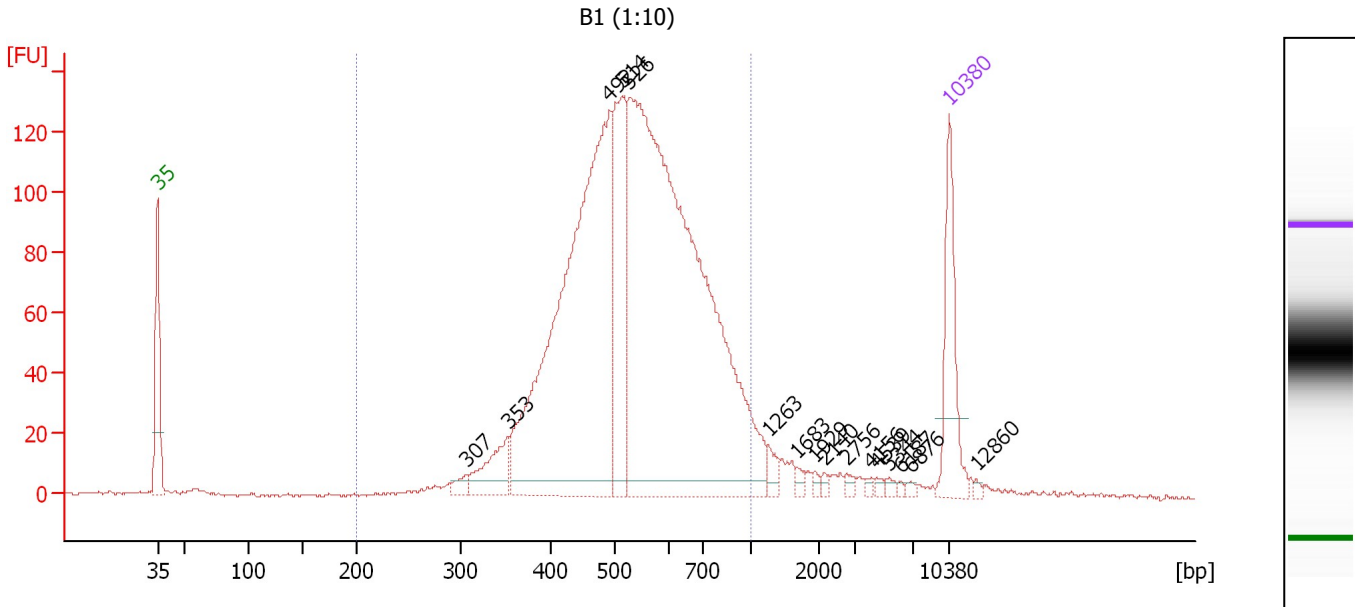
Region table for sample 3 : DIX 20 (1:10)

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	565	2,260.7	1,993.46	5,758.0	88	24.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-01\2018-03-01_001.xad

Created: 3/1/2018 8:56:16 AM
 Modified: 3/1/2018 9:42:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : B1 (1:10)

Number of peaks found: 16 Corr. Area 1: 2,182.0
 Noise: 0.6

Peak table for sample 4 : B1 (1:10)

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	307	12.71	62.8		70.31
3	353	57.20	245.5		74.01
4	492	711.29	2,190.9		82.97
5	514	180.08	531.0		84.08
6	526	1,023.57	2,947.7		84.67
7	1,263	12.20	14.6		96.98
8	1,683	5.45	4.9		99.56
9	1,929	3.91	3.1		101.07
10	2,140	3.45	2.4		101.95
11	2,756	4.45	2.4		103.90
12	4,156	3.40	1.2		106.14
13	4,539	3.34	1.1		106.62
14	5,344	4.04	1.1		107.65
15	6,187	2.05	0.5		108.72
16	6,876	3.35	0.7		109.59
17	10,380	75.00	10.9	Upper Marker	113.00
18	12,860	0.00	0.0		115.39

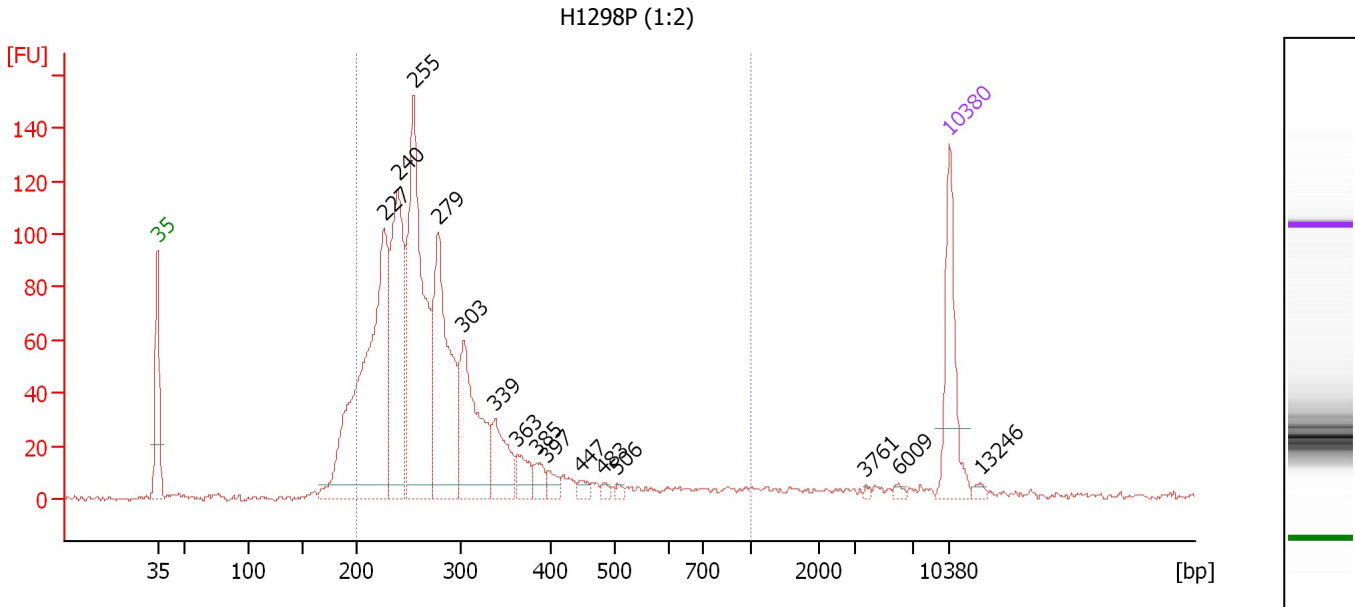
Region table for sample 4 : B1 (1:10)

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	549	2,182.0	1,932.44	5,764.2	92	24.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-01\2018-03-01_001.xad

Created: 3/1/2018 8:56:16 AM
 Modified: 3/1/2018 9:42:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : H1298P (1:2)

Number of peaks found: 15 Corr. Area 1: 1,512.0
 Noise: 0.9

Peak table for sample 5 : H1298P (1:2)

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	227	465.44	3,105.0		63.04
3	240	249.42	1,573.8		64.25
4	255	374.84	2,224.6		65.65
5	279	245.10	1,330.4		67.85
6	303	166.50	831.3		70.06
7	339	63.83	285.5		72.86
8	363	26.98	112.6		74.82
9	385	17.32	68.2		76.52
10	397	12.48	47.7		77.47
11	447	8.61	29.2		80.43
12	483	5.06	15.9		82.43
13	506	4.10	12.3		83.69
14	3,761	1.99	0.8		105.63
15	6,009	3.51	0.9		108.49
16	10,380	75.00	10.9	Upper Marker	113.00
17	13,246	0.00	0.0		115.76

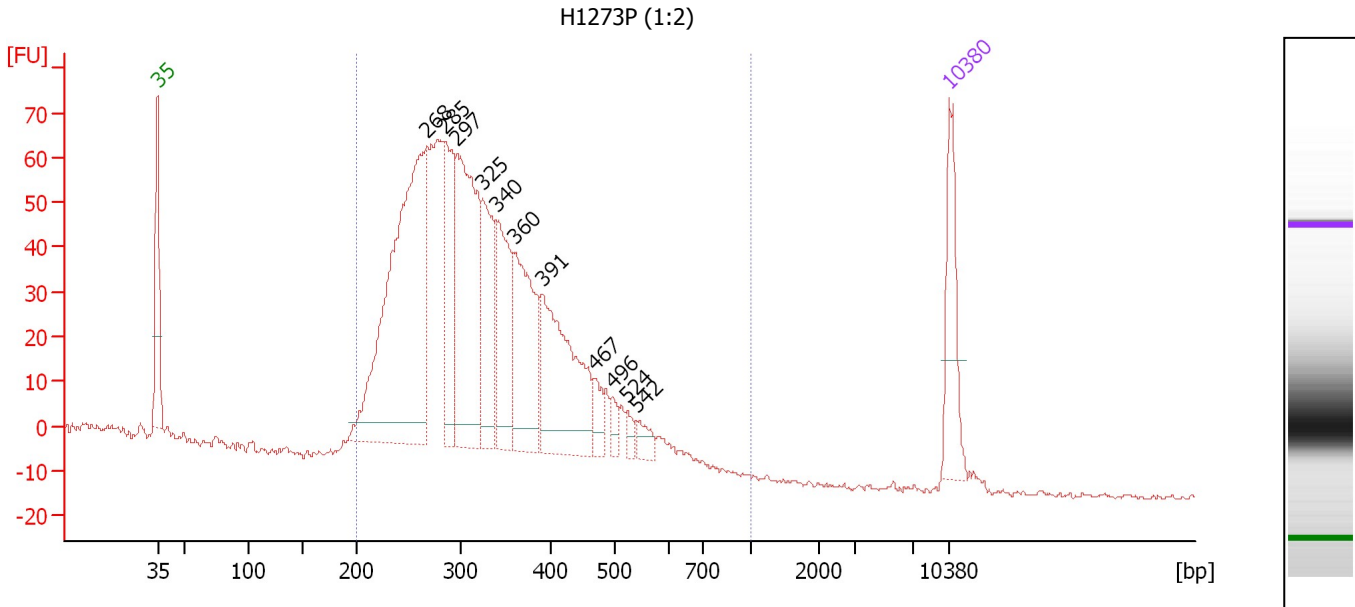
Region table for sample 5 : H1298P (1:2)

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	286	1,512.0	1,563.19	8,874.8	90	31.7

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-01\2018-03-01_001.xad

Created: 3/1/2018 8:56:16 AM
 Modified: 3/1/2018 9:42:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : H1273P (1:2)

Number of peaks found: 11 Corr. Area 1: 1,426.6
 Noise: 0.6

Peak table for sample 6 : H1273P (1:2)

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	268	593.17	3,354.8		66.81
3	285	151.73	807.8		68.36
4	297	319.16	1,629.2		69.49
5	325	139.04	648.8		71.75
6	340	144.96	645.6		72.99
7	360	171.03	719.4		74.58
8	391	220.21	854.2		77.00
9	467	27.87	90.4		81.57
10	496	16.17	49.3		83.22
11	524	12.26	35.5		84.56
12	542	18.60	52.0		85.43
13	10,380	75.00	10.9	Upper Marker	113.00

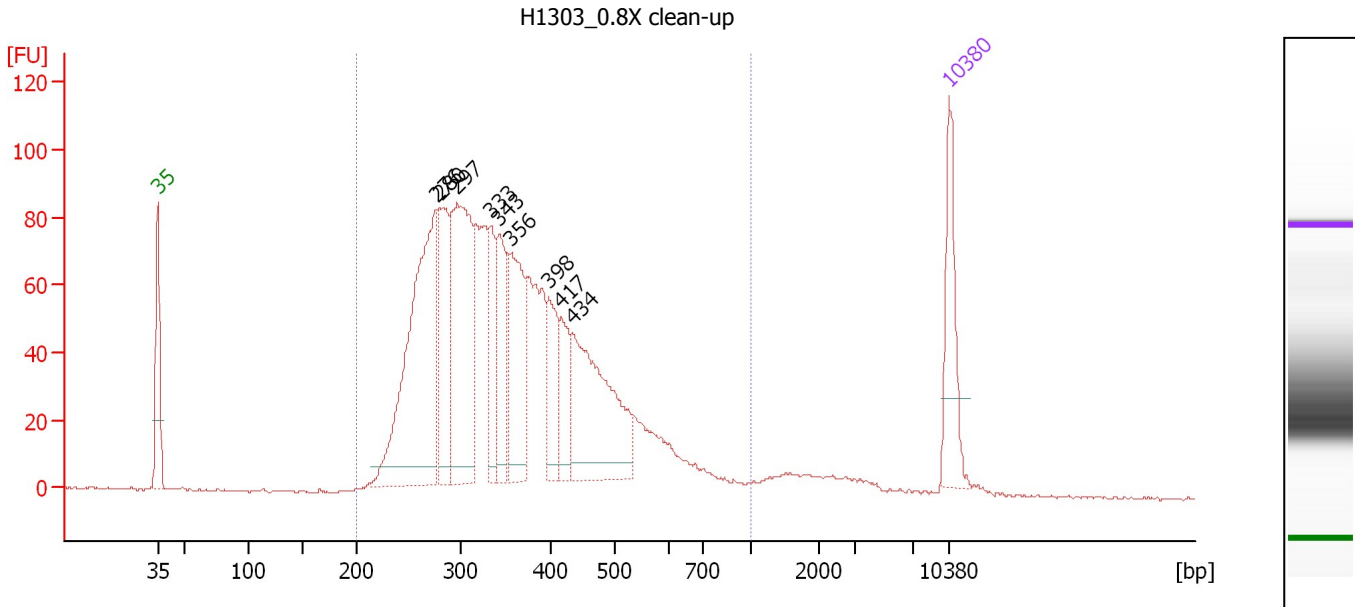
Region table for sample 6 : H1273P (1:2)

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	330	1,426.6	2,182.35	10,803.5	98	25.4

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-01\2018-03-01_001.xad

Created: 3/1/2018 8:56:16 AM
 Modified: 3/1/2018 9:42:16 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : H1303 0.8X clean-up

Number of peaks found: 9 Corr. Area 1: 1,862.5
 Noise: 0.3

Peak table for sample 7 : H1303 0.8X clean-up

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	276	409.71	2,247.1		67.59
3	280	143.84	777.8		67.95
4	297	296.59	1,515.2		69.47
5	333	85.78	389.9		72.44
6	343	108.37	479.4		73.17
7	356	156.49	665.5		74.27
8	398	73.15	278.8		77.56
9	417	60.96	221.6		78.70
10	434	218.03	760.6		79.70
11	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 7 : H1303 0.8X clean-up

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	369	1,862.5	2,108.31	9,520.3	96	29.3

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-01\2018-03-01_001.xad

Created: 3/1/2018 8:56:16 AM
Modified: 3/1/2018 9:42:16 AM

Gel Image

