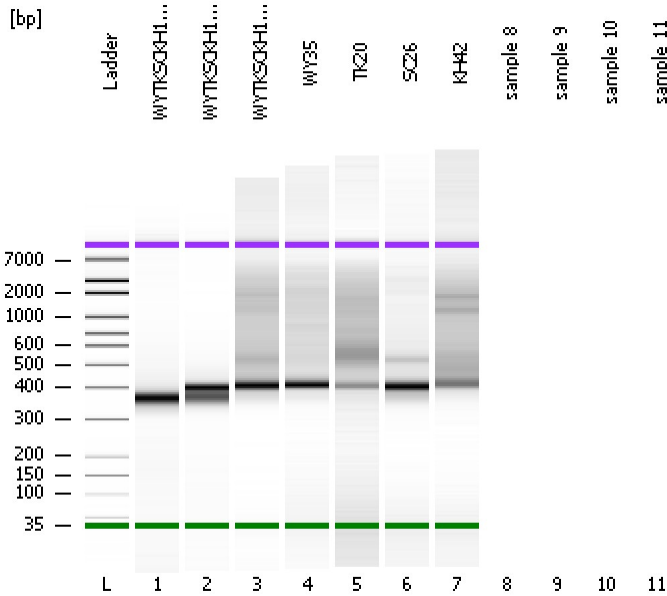


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-24\2017-05-24_001.xad

Created: 5/24/2017 9:21:13 AM
Modified: 5/24/2017 9:51:11 AM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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

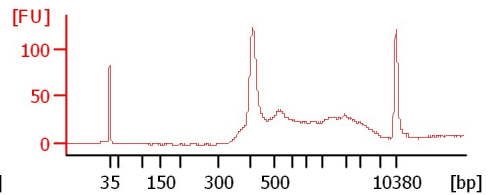
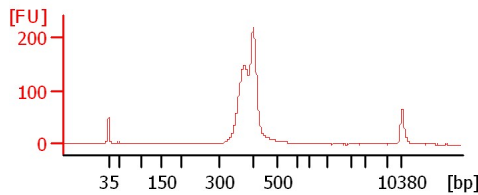
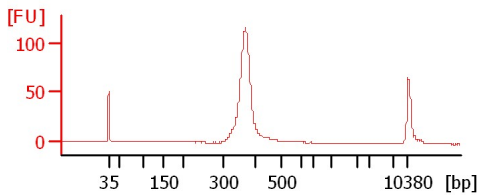
Chip Information:

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

WYTKSCKH123 Pippin 1

WYTKSCKH123 Pippin 2

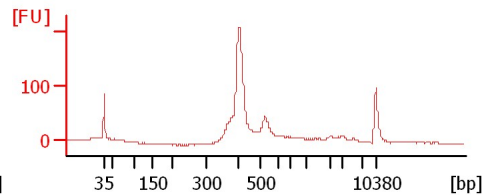
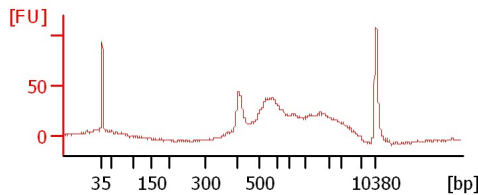
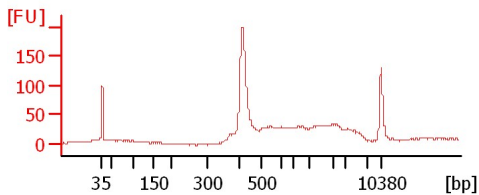
WYTKSCKH123 Pool



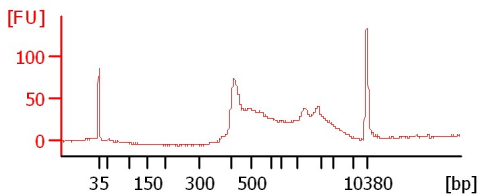
WY35

TK20

SC26



KH42



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-24\2017-05-24_001.xad

Created: 5/24/2017 9:21:13 AM
Modified: 5/24/2017 9:51:11 AM

Electrophoresis File Run Summary (Chip Summary)

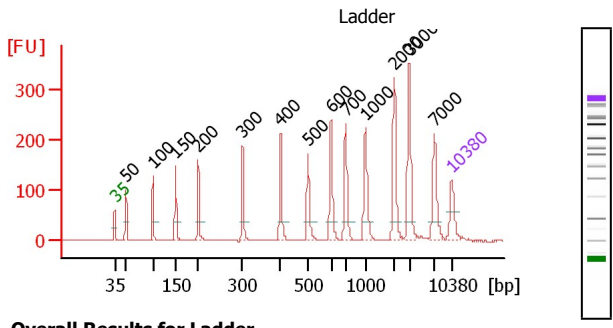
Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
WYTKSCKH123 Pippin 1		<input type="checkbox"/>		✓		
WYTKSCKH123 Pippin 2		<input type="checkbox"/>		✓		
WYTKSCKH123 Pool		<input type="checkbox"/>		✓		
WY35		<input type="checkbox"/>		✓		
TK20		<input type="checkbox"/>		✓		
SC26		<input type="checkbox"/>		✓		
KH42		<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\2017-05-24\2017-05-24_001.xad

Created: 5/24/2017 9:21:13 AM
 Modified: 5/24/2017 9:51:11 AM

Electropherogram Summary



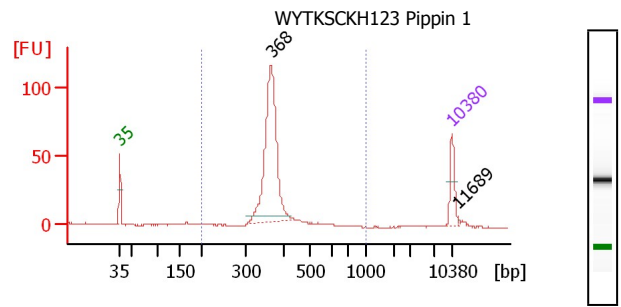
Peak table for Ladder

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.34
3	100	150.00	2,272.7	Ladder Peak	50.94
4	150	150.00	1,515.2	Ladder Peak	55.66
5	200	150.00	1,136.4	Ladder Peak	60.39
6	300	150.00	757.6	Ladder Peak	69.59
7	400	150.00	568.2	Ladder Peak	77.48
8	500	150.00	454.5	Ladder Peak	83.16
9	600	150.00	378.8	Ladder Peak	87.93
10	700	150.00	324.7	Ladder Peak	90.97
11	1,000	150.00	227.3	Ladder Peak	95.09
12	2,000	150.00	113.6	Ladder Peak	101.07
13	3,000	150.00	75.8	Ladder Peak	104.15

Overall Results for Ladder

Noise: 0.2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
14	7,000	150.00	32.5	Ladder Peak	109.36
15	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 1 : WYTKSKKH123 Pippin 1

Number of peaks found: 2
 Noise: 0.2
 Corr. Area 1: 518.6

Region table for sample 1 : WYTKSKKH123 Pippin 1

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total in CV	Size distribution [%]
200	1,000	375	518.6	3,493.9	856.05	96	10.2

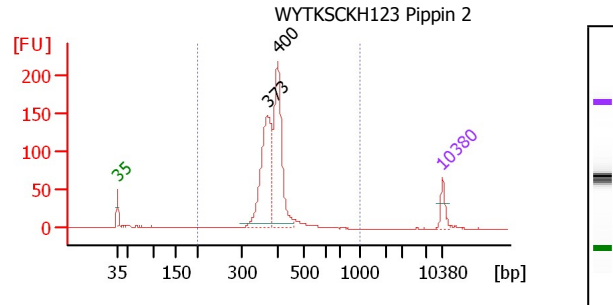
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-24\2017-05-24_001.xad

Created: 5/24/2017 9:21:13 AM
 Modified: 5/24/2017 9:51:11 AM

Electropherogram Summary Continued ...

Peak table for sample 1 : WYTKSCKH123 Pippin 1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	368	762.53	3,143.8		74.91
3	10,380	75.00	10.9	Upper Marker	113.00
4	11,689	0.00	0.0		114.41



Overall Results for sample 2 : WYTKSCKH123 Pippin 2

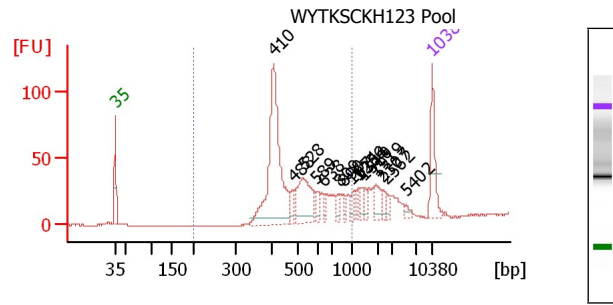
Number of peaks found: 2
 Noise: 0.2
 Corr. Area 1: 1,194.5

Region table for sample 2 : WYTKSCKH123 Pippin 2

From To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total in CV [%]	Size distribution
200 1,000	392	1,194.5	7,650.4	1,962.2	96	9.6

Peak table for sample 2 : WYTKSCKH123 Pippin 2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	373	926.90	3,768.5		75.32
3	400	904.35	3,425.1		77.48
4	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 3 : WYTKSCKH123 Pool

Number of peaks found: 15
 Noise: 0.2
 Corr. Area 1: 742.5

Region table for sample 3 : WYTKSCKH123 Pool

From To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total in CV [%]	Size distribution
200 1,000	519	742.5	2,226.5	702.91	75	28.5

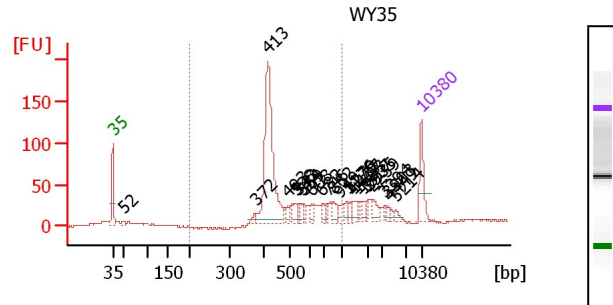
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-24\2017-05-24_001.xad

Created: 5/24/2017 9:21:13 AM
 Modified: 5/24/2017 9:51:11 AM

Electropherogram Summary Continued ...

Peak table for sample 3 : WYTKSCKH123 Pool

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	410	440.77	1,630.6		78.02
3	488	30.17	93.7		82.45
4	528	134.02	384.8		84.48
5	589	24.19	62.3		87.39
6	638	18.23	43.3		89.10
7	809	16.34	30.6		92.47
8	890	11.05	18.8		93.57
9	1,071	12.30	17.4		95.51
10	1,256	12.08	14.6		96.62
11	1,364	23.33	25.9		97.26
12	1,510	12.15	12.2		98.14
13	1,919	29.91	23.6		100.59
14	2,307	12.47	8.2		102.02
15	2,562	12.23	7.2		102.80
16	5,402	9.63	2.7		107.28
17	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 4 : WY35

Number of peaks found: 24
 Noise: 1.1
 Corr. Area 1: 917.9

Region table for sample 4 : WY35

From [bp]	To [bp]	Average Size [bp]	Corrected Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	517	917.9	2,746.8	860.81	68	29.3

Peak table for sample 4 : WY35

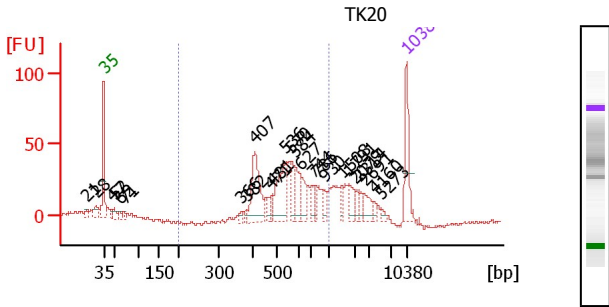
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	35	125.00	5,411.3	Lower Marker	43.00
2	52	11.02	324.3		45.51
3	372	15.86	64.5		75.30
4	413	528.25	1,936.4		78.24
5	493	17.12	52.7		82.74
6	528	35.54	102.0		84.49
7	543	16.05	44.8		85.20
8	554	15.45	42.3		85.72
9	569	16.57	44.2		86.43
10	608	16.96	42.2		88.18
11	683	21.14	46.9		90.46
12	746	14.71	29.9		91.59
13	852	27.24	48.4		93.06
14	949	11.78	18.8		94.39
15	1,176	21.31	27.5		96.14
16	1,279	13.00	15.4		96.76
17	1,437	25.18	26.6		97.70
18	1,603	14.15	13.4		98.70
19	1,817	11.48	9.6		99.98
20	1,935	11.58	9.1		100.69
21	2,259	34.47	23.1		101.87
22	3,394	9.82	4.4		104.66
23	3,903	10.88	4.2		105.33
24	4,449	6.61	2.3		106.04
25	5,214	13.62	4.0		107.03

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
26	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-24\2017-05-24_001.xad

Created: 5/24/2017 9:21:13 AM
 Modified: 5/24/2017 9:51:11 AM

Electropherogram Summary Continued ...



Peak table for sample 5 : TK20

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	21	0.00	0.0		38.99
2	28	0.00	0.0		41.12
3	35	125.00	5,411.3	Lower Marker	43.00
4	47	16.14	516.4		44.93
5	52	17.99	529.3		45.51
6	62	15.37	376.5		46.67
7	71	10.04	214.4		47.68
8	366	8.36	34.6		74.81
9	382	7.62	30.2		76.02
10	407	145.84	543.4		77.86
11	471	16.24	52.2		81.52
12	481	16.42	51.7		82.10
13	536	122.97	347.9		84.86
14	570	31.45	83.6		86.50
15	584	60.92	158.0		87.17
16	627	41.94	101.3		88.77
17	744	19.74	40.2		91.57
18	786	16.31	31.4		92.14
19	930	20.46	33.3		94.12
20	1,508	14.37	14.4		98.13
21	1,791	30.83	26.1		99.82
22	2,079	10.39	7.6		101.32
23	2,314	18.00	11.8		102.04
24	2,691	28.35	16.0		103.20
25	4,160	10.88	4.0		105.66
26	5,273	8.14	2.3		107.11

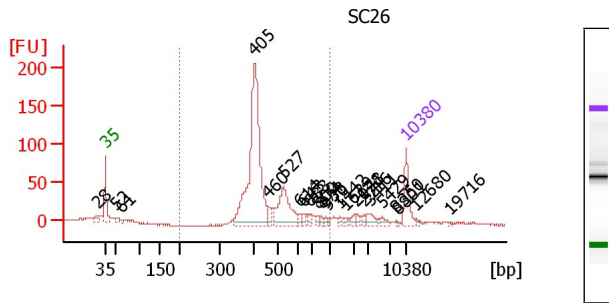
Overall Results for sample 5 : TK20

Number of peaks found: 25
 Noise: 1.2
 Corr. Area 1: 584.1

Region table for sample 5 : TK20

From To [bp]	Average Size [bp]	Corrected Area	Molarity [pmol/l]	Concentration [pg/μl]	% of Size distribution Total in CV [%]
200	1,000	581	584.1	1,601.8	568.66 65 25.7

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
27	10,380	75.00	10.9	Upper Marker	113.00



Overall Results for sample 6 : SC26

Number of peaks found: 24
 Noise: 0.9
 Corr. Area 1: 1,021.1

Region table for sample 6 : SC26

From To [bp]	Average Size [bp]	Corrected Area	Molarity [pmol/l]	Concentration [pg/μl]	% of Size distribution Total in CV [%]
200	1,000	459	1,021.1	3,464.1	997.63 81 23.7

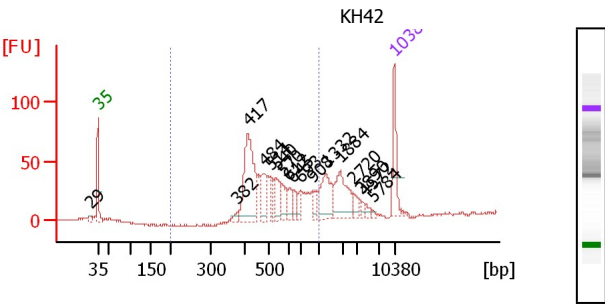
Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-24\2017-05-24_001.xad

Created: 5/24/2017 9:21:13 AM
 Modified: 5/24/2017 9:51:11 AM

Electropherogram Summary Continued ...

Peak table for sample 6 : SC26

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time	Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	28	0.00	0.0		40.96	25	12,680	0.00	0.0		115.48
2	35	125.00	5,411.3	Lower Marker	43.00	26	19,716	0.00	0.0		123.06
3	52	20.88	607.3		45.58						
4	61	9.65	238.8		46.60						
5	405	766.85	2,869.7		77.76						
6	460	33.66	111.0		80.87						
7	527	183.40	527.0		84.47						
8	614	18.31	45.2		88.35						
9	643	10.83	25.5		89.23						
10	683	13.99	31.0		90.44						
11	800	11.28	21.4		92.34						
12	874	7.96	13.8		93.36						
13	938	7.71	12.4		94.24						
14	970	6.19	9.7		94.67						
15	1,442	5.95	6.3		97.74						
16	1,629	6.25	5.8		98.85						
17	2,021	12.70	9.5		101.14						
18	2,148	8.73	6.2		101.53						
19	2,716	6.16	3.4		103.28						
20	3,411	24.73	11.0		104.69						
21	5,429	12.35	3.4		107.31						
22	8,350	2.24	0.4		110.81						
23	8,801	1.78	0.3		111.30						
24	10,380	75.00	10.9	Upper Marker	113.00						



Overall Results for sample 7 : KH42

Number of peaks found: 17
 Noise: 0.9
 Corr. Area 1: 674.2

Region table for sample 7 : KH42

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Conc. [pg/μl]	% of Total in CV [%]	Size distribution
200	1,000	549	674.2	1,849.4	621.01	69	27.1

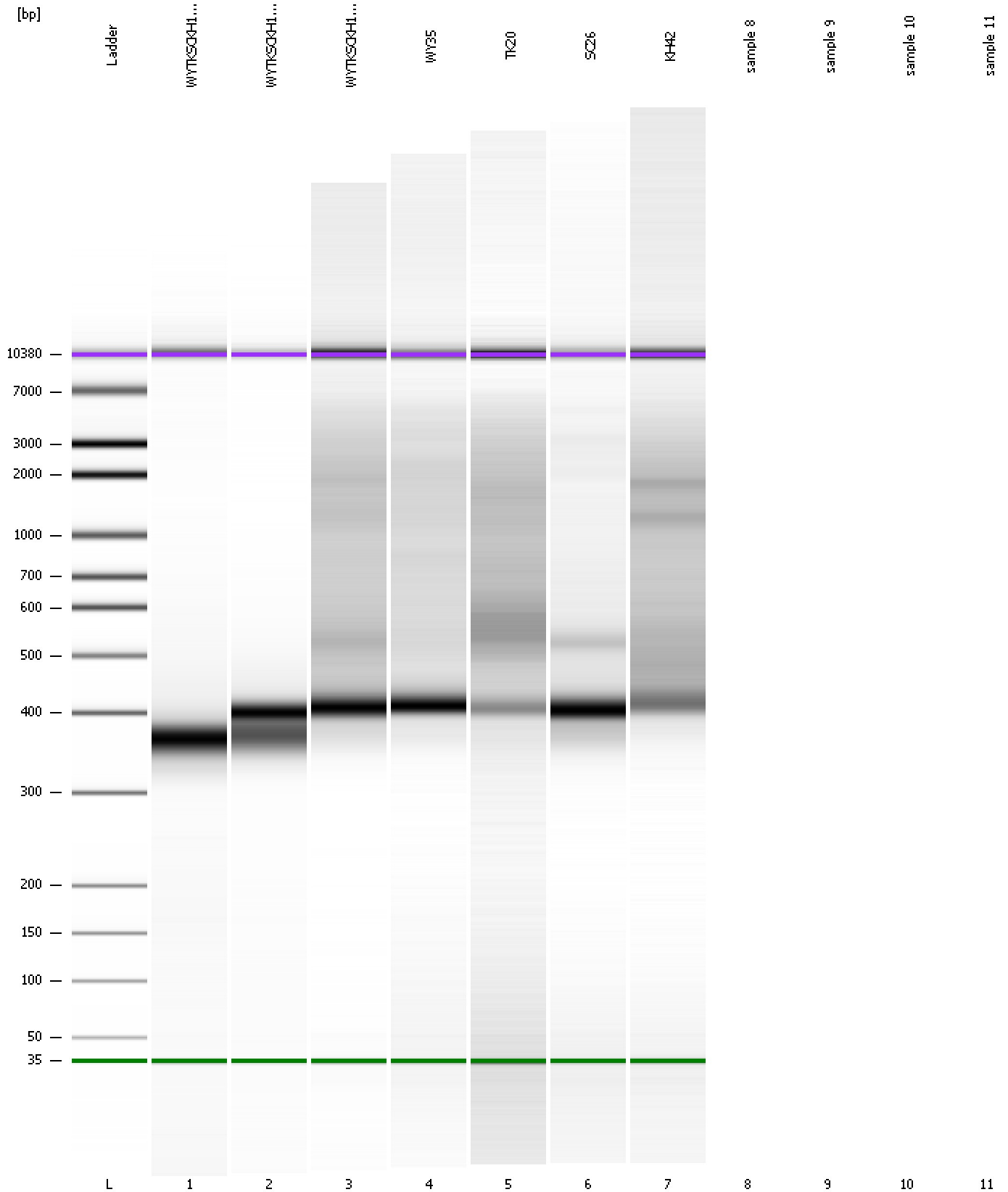
Peak table for sample 7 : KH42

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time
1	29	0.00	0.0		41.27
2	35	125.00	5,411.3	Lower Marker	43.00
3	382	16.29	64.7		76.03
4	417	249.69	907.3		78.44
5	484	60.03	188.0		82.24
6	514	26.91	79.4		83.82
7	540	54.99	154.4		85.05
8	570	38.41	102.2		86.48
9	612	37.99	94.0		88.30
10	645	25.36	59.6		89.29
11	693	22.67	49.5		90.77
12	908	21.20	35.4		93.82
13	1,332	84.40	96.0		97.08
14	1,884	94.70	76.2		100.38
15	2,720	21.05	11.7		103.29
16	3,890	7.00	2.7		105.31
17	4,572	9.49	3.1		106.20
18	5,784	3.93	1.0		107.77
19	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-24\2017-05-24_001.xad

Created: 5/24/2017 9:21:13 AM
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Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2017-05-24\2017-05-24_001.xad

Created: 5/24/2017 9:21:13 AM
Modified: 5/24/2017 9:51:11 AM

Invalid Samples

Sample 8 has not been run, no results available.