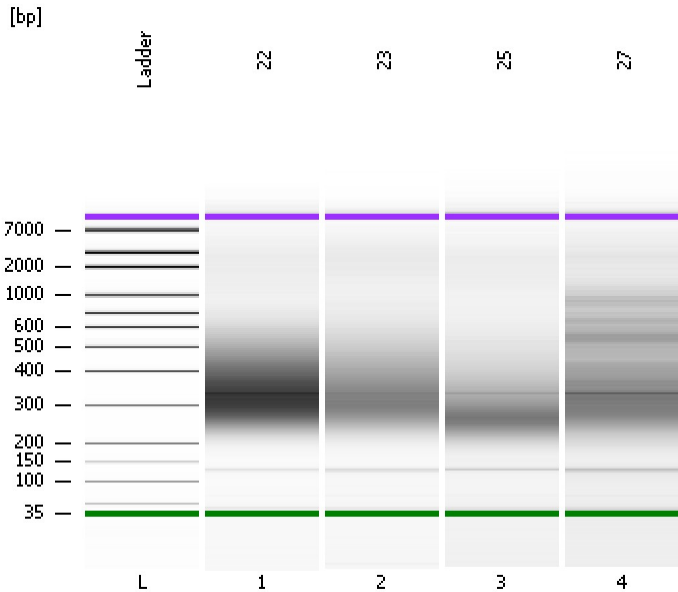


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...2100 expert\data\2017-04-21\2017-04-21_001_zfrlibraries.xad

Created: 4/21/2017 9:56:37 AM
Modified: 4/21/2017 10:54:47 AM

Electrophoresis File Run Summary



Instrument Information:

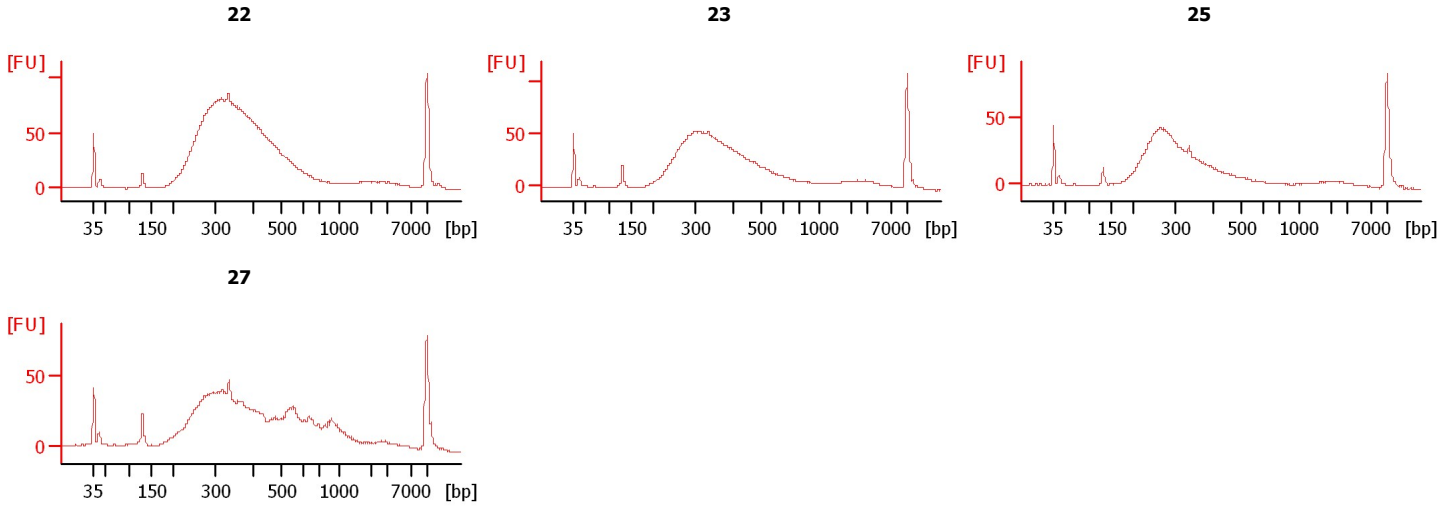
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 expert\data\2017-04-21\2017-04-21_001_zfrlibraries.xad

Created: 4/21/2017 9:56:37 AM
 Modified: 4/21/2017 10:54:47 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
22		<input type="checkbox"/>				
23		<input type="checkbox"/>				
25		<input type="checkbox"/>				
27		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>				

Chip Lot #

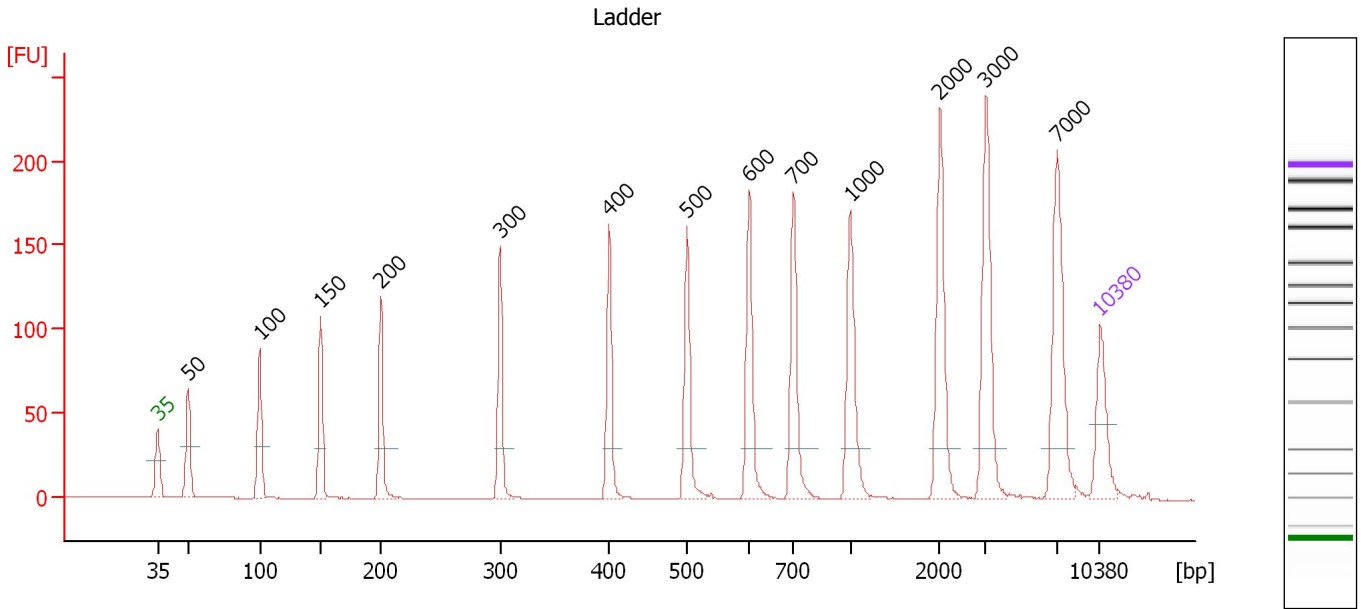
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 expert\data\2017-04-21\2017-04-21_001_zfrlibraries.xad

Created: 4/21/2017 9:56:37 AM
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Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

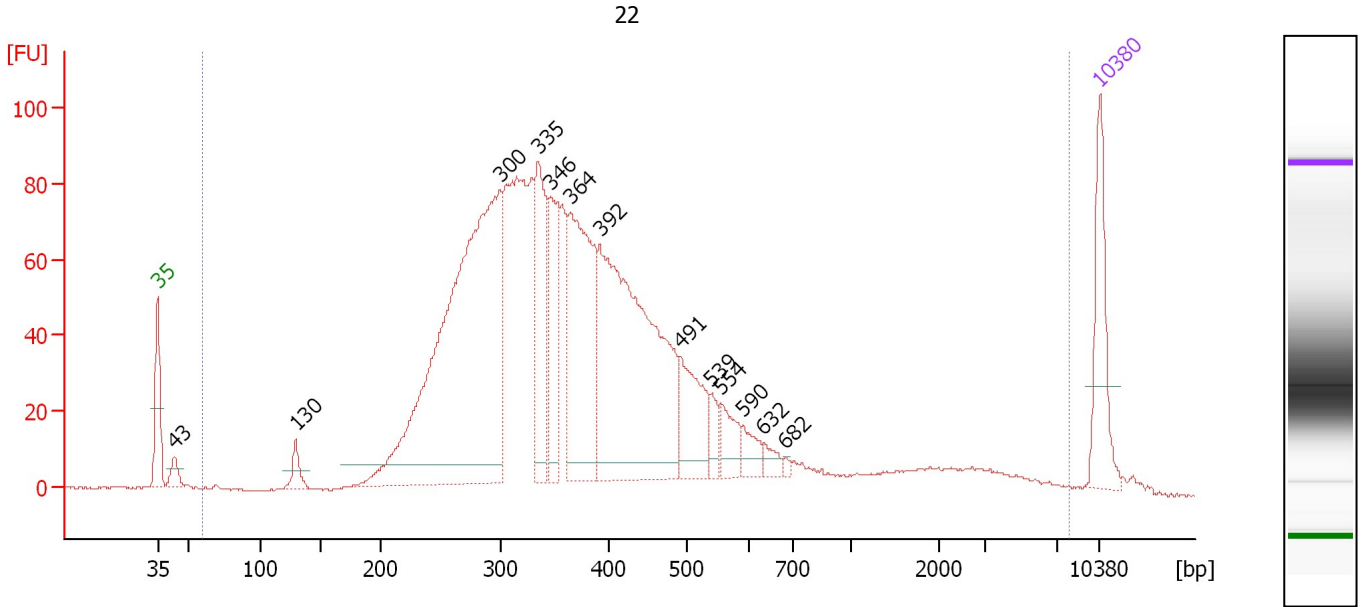
Peak table for Ladder

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	45.25
3	100	150.00	2,272.7	Ladder Peak	50.57
4	150	150.00	1,515.2	Ladder Peak	55.11
5	200	150.00	1,136.4	Ladder Peak	59.61
6	300	150.00	757.6	Ladder Peak	68.44
7	400	150.00	568.2	Ladder Peak	76.53
8	500	150.00	454.5	Ladder Peak	82.33
9	600	150.00	378.8	Ladder Peak	86.96
10	700	150.00	324.7	Ladder Peak	90.24
11	1,000	150.00	227.3	Ladder Peak	94.44
12	2,000	150.00	113.6	Ladder Peak	101.10
13	3,000	150.00	75.8	Ladder Peak	104.52
14	7,000	150.00	32.5	Ladder Peak	109.84
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 expert\data\2017-04-21\2017-04-21_001_zfrlibraries.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : 22

Number of peaks found: 13 Corr. Area 1: 2,117.0
 Noise: 0.1

Peak table for sample 1 : 22

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	43	23.77	831.0		44.25
3	130	26.46	309.4		53.26
4	300	785.81	3,969.9		68.43
5	335	151.40	684.6		71.28
6	346	113.28	496.4		72.14
7	364	265.14	1,102.5		73.65
8	392	472.52	1,828.5		75.84
9	491	96.25	297.1		81.79
10	539	22.01	61.9		84.12
11	554	35.77	97.9		84.81
12	590	22.93	58.9		86.49
13	632	13.01	31.2		88.00
14	682	3.94	8.8		89.64
15	10,380	75.00	10.9	Upper Marker	113.00

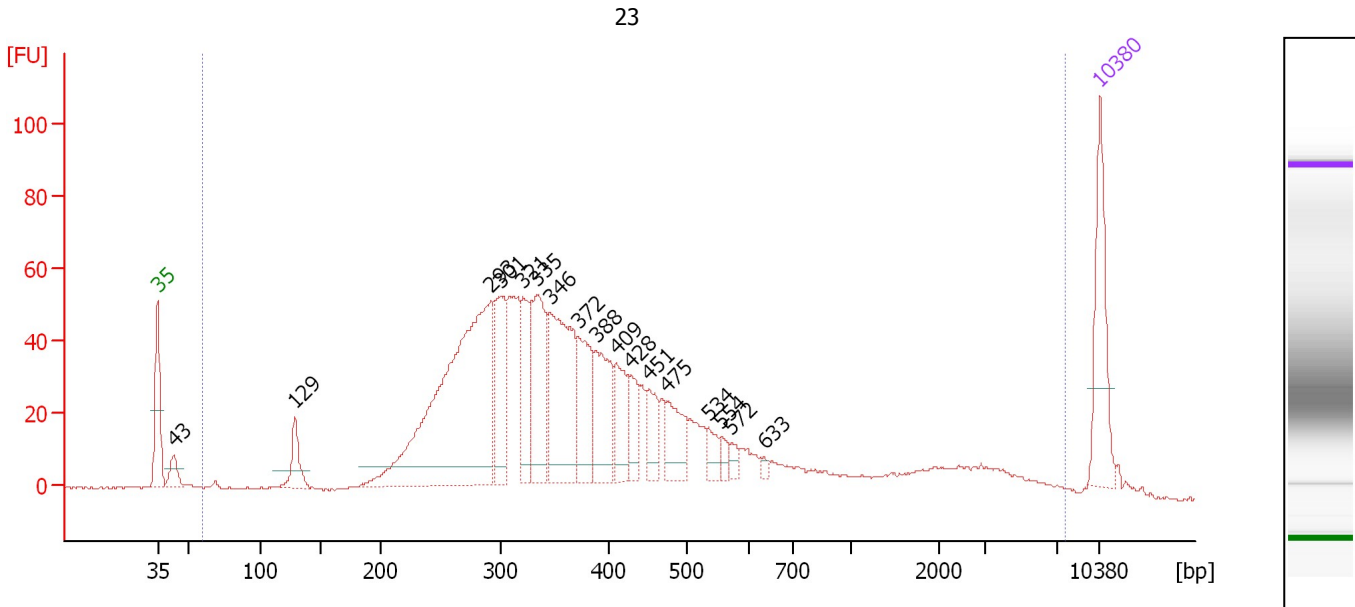
Region table for sample 1 : 22

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
61	7,968	509	2,117.0	12,272.6	2,751.35	99	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 expert\data\2017-04-21\2017-04-21_001_zfrlibraries.xad

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Electropherogram Summary Continued ...



Overall Results for sample 2 : 23

Number of peaks found: 17 Corr. Area 1: 1,456.1
 Noise: 0.2

Peak table for sample 2 : 23

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	43	25.89	913.0		44.19
3	129	44.89	526.6		53.22
4	293	489.79	2,536.9		67.78
5	301	97.82	493.0		68.49
6	321	77.98	368.3		70.12
7	335	114.20	517.3		71.23
8	346	184.01	805.8		72.16
9	372	83.15	339.0		74.24
10	388	87.85	342.9		75.57
11	409	55.69	206.1		77.07
12	428	37.33	132.3		78.13
13	451	38.33	128.7		79.50
14	475	49.90	159.2		80.88
15	534	18.73	53.2		83.88
16	554	10.66	29.2		84.81
17	572	9.50	25.2		85.65
18	633	4.36	10.4		88.04
19	10,380	75.00	10.9	Upper Marker	113.00

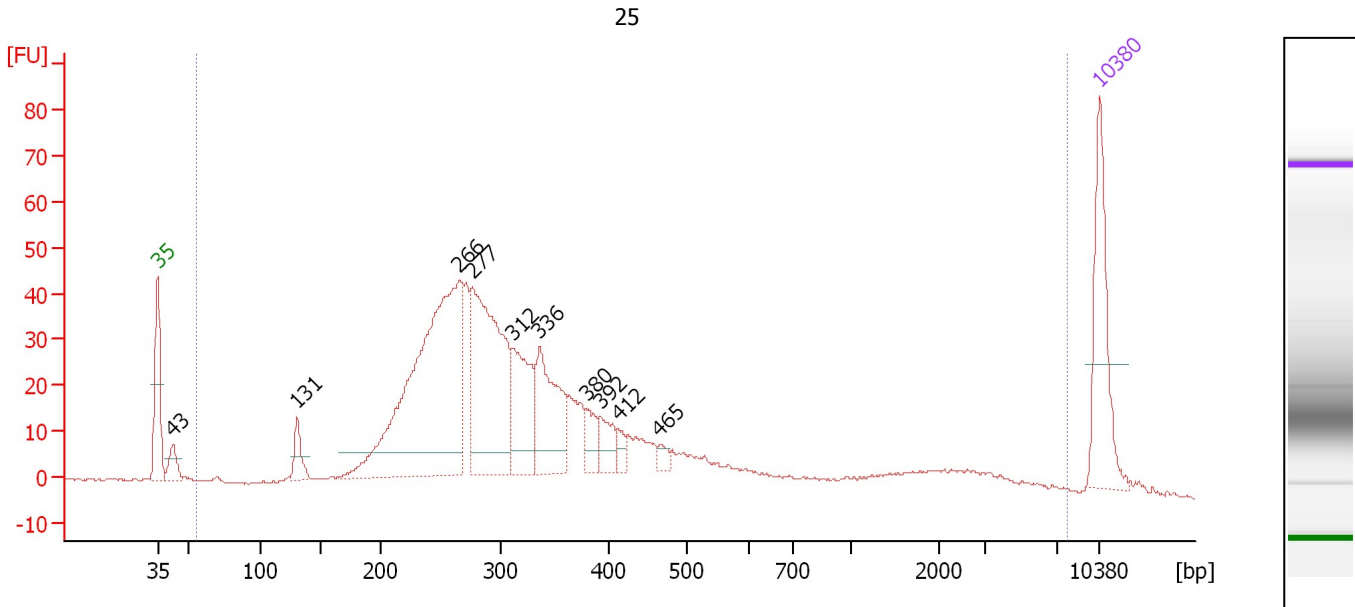
Region table for sample 2 : 23

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
60	7,687	604	1,456.1	8,985.4	1,968.60	98	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 expert\data\2017-04-21\2017-04-21_001_zfrlibraries.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : 25

Number of peaks found: 10 Corr. Area 1: 963.9
 Noise: 0.2

Peak table for sample 3 : 25

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	43	25.65	912.7		44.14
3	131	28.06	325.0		53.37
4	266	421.20	2,400.7		65.42
5	277	245.05	1,342.1		66.38
6	312	90.66	440.0		69.43
7	336	104.52	470.8		71.38
8	380	21.50	85.7		74.93
9	392	25.39	98.1		75.88
10	412	10.30	37.9		77.20
11	465	8.68	28.3		80.30
12	10,380	75.00	10.9	Upper Marker	113.00

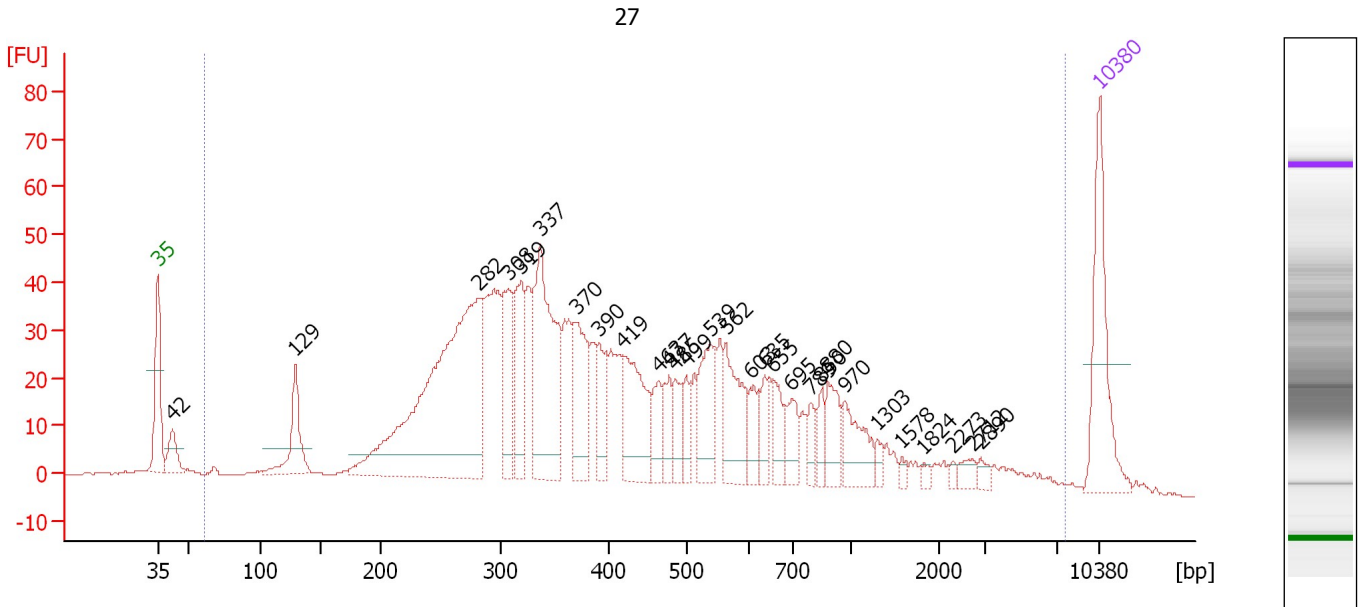
Region table for sample 3 : 25

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
56	7,728	560	963.9	7,114.4	1,386.27	98	100.0

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 expert\data\2017-04-21\2017-04-21_001_zfrlibraries.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : 27

Number of peaks found: 29 Corr. Area 1: 1,423.6
 Noise: 0.2

Peak table for sample 4 : 27

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	42	30.98	1,112.8		44.08
3	129	61.01	716.0		53.21
4	282	404.01	2,170.8		66.85
5	308	72.67	358.0		69.05
6	319	72.46	344.0		69.99
7	337	168.80	758.7		71.44
8	370	72.59	297.6		74.06
9	390	40.02	155.5		75.70
10	419	82.32	297.7		77.63
11	463	27.20	88.9		80.20
12	477	26.39	83.8		81.00
13	485	24.46	76.4		81.47
14	499	21.29	64.7		82.26
15	539	58.58	164.6		84.14
16	562	60.73	163.6		85.22
17	603	23.69	59.6		87.04
18	635	22.71	54.1		88.12
19	655	22.41	51.8		88.78
20	695	28.00	61.0		90.09
21	789	13.42	25.8		91.49
22	850	15.68	28.0		92.34
23	880	30.59	52.7		92.76
24	970	38.22	59.7		94.02
25	1,303	6.51	7.6		96.46

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...2100 expert\data\2017-04-21\2017-04-21_001_zfrlibraries.xad

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Electropherogram Summary Continued ...

... Peak table for sample 4 : 27

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,578	3.78	3.6		98.29
27	1,824	3.97	3.3		99.93
28	2,273	3.17	2.1		102.04
29	2,712	8.30	4.6		103.54
30	2,890	5.40	2.8		104.14
31	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 4 : 27

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
61	7,670	625	1,423.6	9,261.4	2,011.65	97	100.0

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...2100 expert\data\2017-04-21\2017-04-21_001_zfrlibraries.xad

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Gel Image

