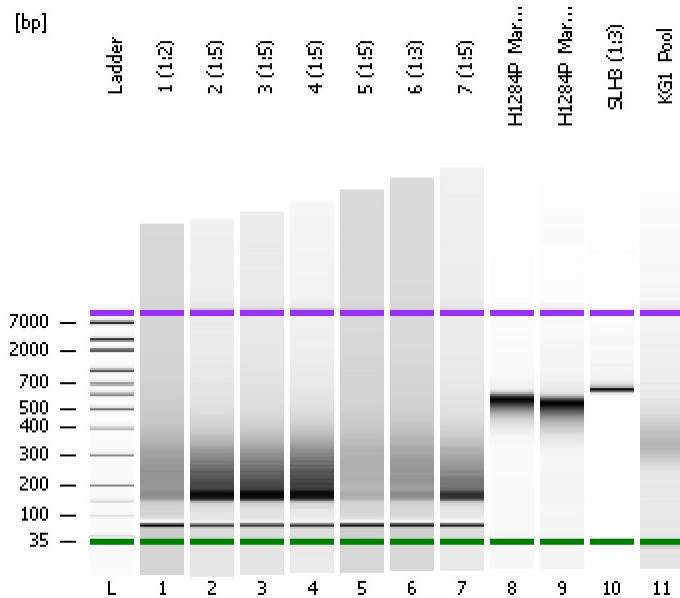


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-08\2018-03-08_001.xad

Created: 3/8/2018 12:42:55 PM
Modified: 3/8/2018 1:26:43 PM

Electrophoresis File Run Summary



Instrument Information:

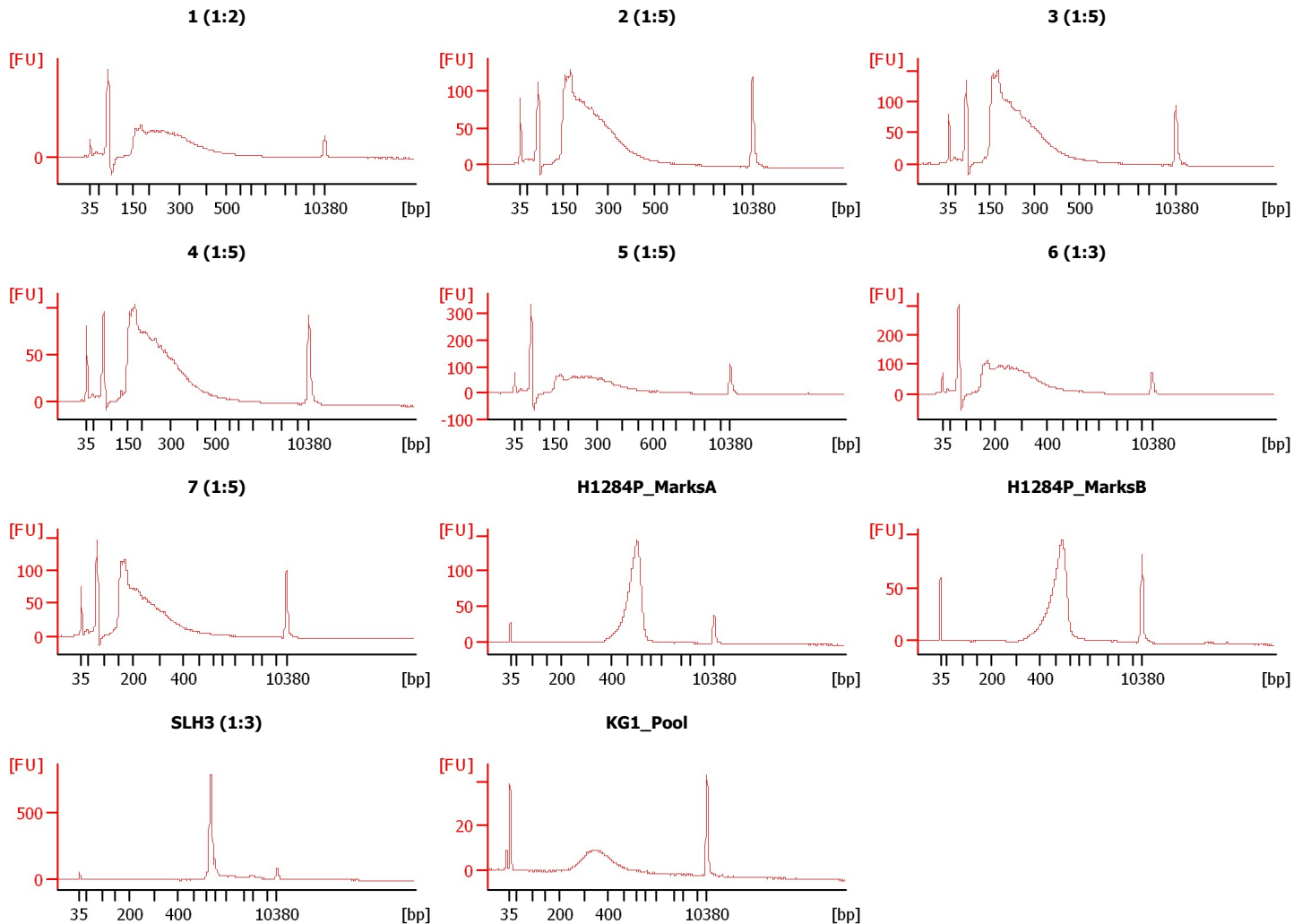
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-08\2018-03-08_001.xad

Created: 3/8/2018 12:42:55 PM
 Modified: 3/8/2018 1:26:43 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
1 (1:2)		<input type="checkbox"/>	✓			
2 (1:5)		<input type="checkbox"/>	✓			
3 (1:5)		<input type="checkbox"/>	✓			
4 (1:5)		<input type="checkbox"/>	✓			
5 (1:5)		<input type="checkbox"/>	✓			
6 (1:3)		<input type="checkbox"/>	✓			
7 (1:5)		<input type="checkbox"/>	✓			
H1284P_MarksA		<input type="checkbox"/>	✓			
H1284P_MarksB		<input type="checkbox"/>	✓			
SLH3 (1:3)		<input type="checkbox"/>	✓			
KG1_Pool		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

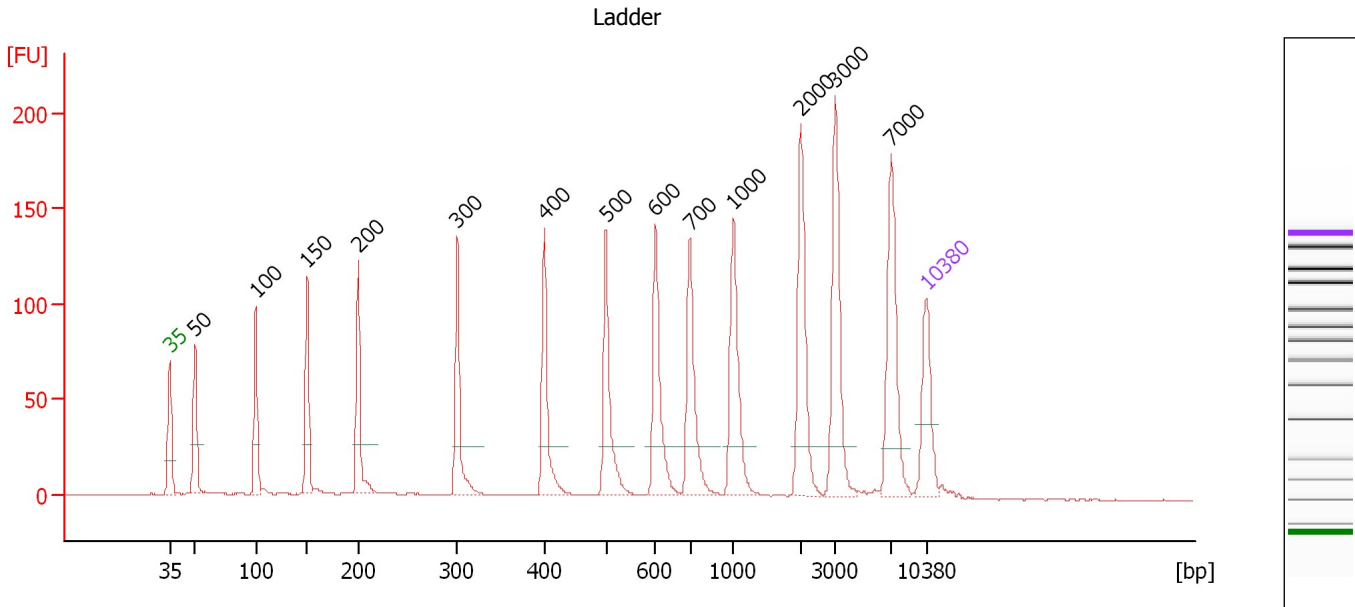
Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-08\2018-03-08_001.xad

Created: 3/8/2018 12:42:55 PM
 Modified: 3/8/2018 1:26:43 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.3

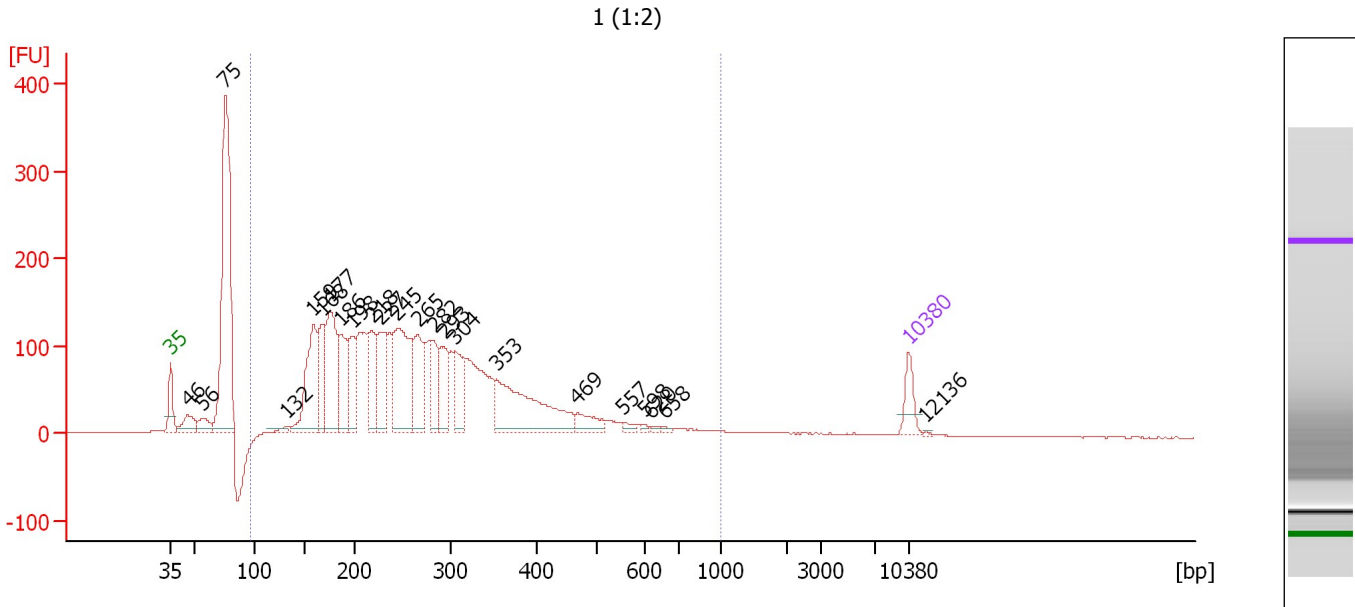
Peak table for Ladder

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	45.32
3	100	150.00	2,272.7	Ladder Peak	50.95
4	150	150.00	1,515.2	Ladder Peak	55.69
5	200	150.00	1,136.4	Ladder Peak	60.43
6	300	150.00	757.6	Ladder Peak	69.61
7	400	150.00	568.2	Ladder Peak	77.65
8	500	150.00	454.5	Ladder Peak	83.38
9	600	150.00	378.8	Ladder Peak	87.97
10	700	150.00	324.7	Ladder Peak	91.13
11	1,000	150.00	227.3	Ladder Peak	95.18
12	2,000	150.00	113.6	Ladder Peak	101.40
13	3,000	150.00	75.8	Ladder Peak	104.61
14	7,000	150.00	32.5	Ladder Peak	109.79
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-08\2018-03-08_001.xad

Created: 3/8/2018 12:42:55 PM
 Modified: 3/8/2018 1:26:43 PM

Electropherogram Summary Continued ...



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

Number of peaks found: 23 Corr. Area 1: 3,698.1
 Noise: 0.3

Peak table for sample 1 : 1 (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	46	123.71	4,094.7		44.67
3	56	87.54	2,374.5		45.98
4	75	1,434.11	28,911.9		48.15
5	132	27.05	311.0		53.96
6	159	486.56	4,638.0		56.54
7	168	266.28	2,401.4		57.39
8	177	500.62	4,296.6		58.20
9	186	256.11	2,084.8		59.11
10	198	229.70	1,759.1		60.22
11	218	259.48	1,802.3		62.09
12	227	296.37	1,978.7		62.90
13	245	549.79	3,406.5		64.52
14	265	278.91	1,592.1		66.43
15	282	150.95	811.2		67.95
16	293	212.10	1,097.0		68.96
17	304	200.65	998.4		69.97
18	353	533.87	2,288.5		73.91
19	469	80.25	259.5		81.59
20	557	18.18	49.5		85.98
21	598	8.01	20.3		87.90
22	620	8.14	19.9		88.61
23	658	7.71	17.7		89.82
24	10,380	75.00	10.9	Upper Marker	113.00
25	12,136	0.00	0.0		114.67

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-08\2018-03-08_001.xad

Created: 3/8/2018 12:42:55 PM
Modified: 3/8/2018 1:26:43 PM

Electropherogram Summary Continued ...

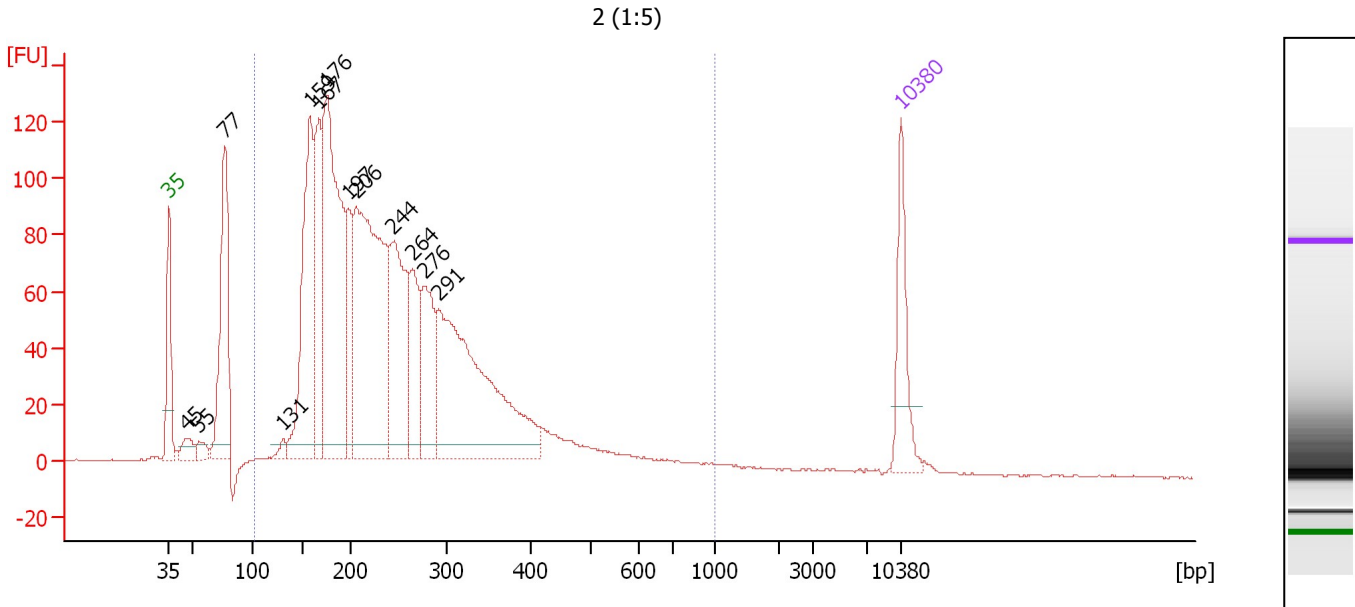
... Region table for sample 1 : 1 (1:2)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ μ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
97	1,000	284	3,698.1	5,742.89	36,735.7	 80	41.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-08\2018-03-08_001.xad

Created: 3/8/2018 12:42:55 PM
 Modified: 3/8/2018 1:26:43 PM

Electropherogram Summary Continued ...



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

Number of peaks found: 13 Corr. Area 1: 2,481.0
 Noise: 0.4

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

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	45	33.21	1,112.8		44.58
3	55	22.67	622.1		45.91
4	77	289.99	5,710.0		48.35
5	131	13.52	156.1		53.91
6	159	352.38	3,364.5		56.51
7	167	193.67	1,754.0		57.33
8	176	544.74	4,692.2		58.14
9	197	121.19	932.7		60.13
10	206	551.96	4,066.3		60.95
11	244	254.77	1,582.2		64.46
12	264	120.17	689.8		66.30
13	276	140.86	772.8		67.42
14	291	490.50	2,552.4		68.80
15	10,380	75.00	10.9	Upper Marker	113.00

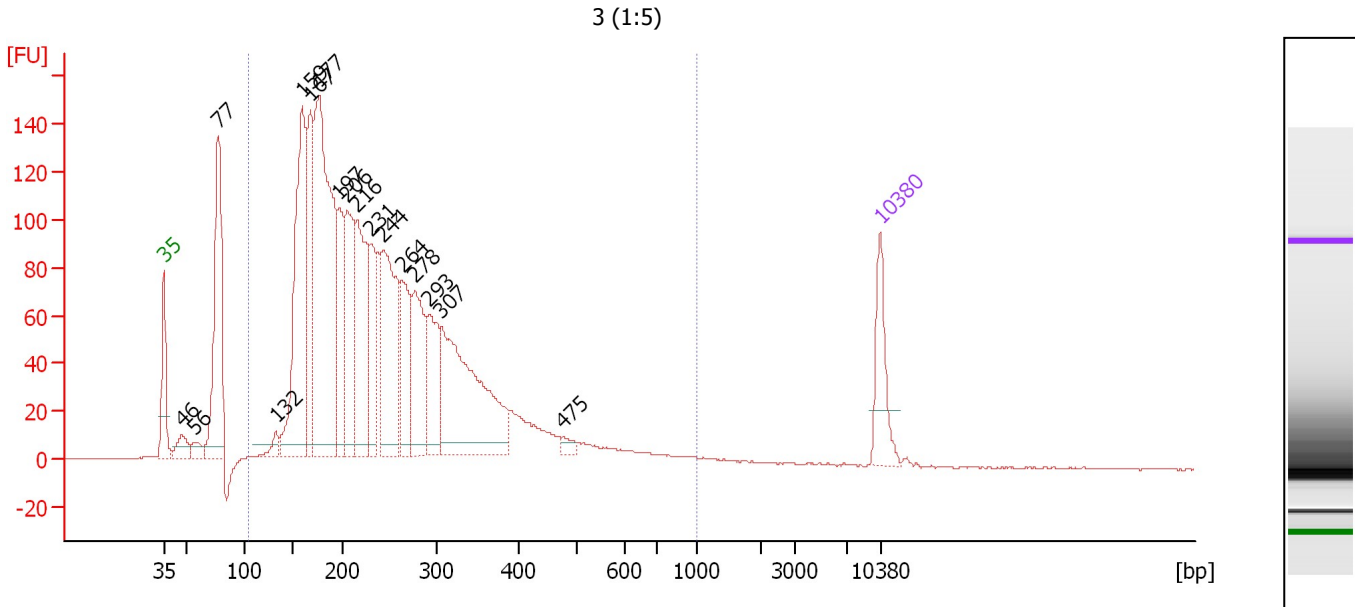
Region table for sample 2 : 2 (1:5)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
102	1,000	255	2,481.0	2,970.32	20,648.2	90	39.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-08\2018-03-08_001.xad

Created: 3/8/2018 12:42:55 PM
 Modified: 3/8/2018 1:26:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 3 (1:5)

Number of peaks found: 17 Corr. Area 1: 2,856.3
 Noise: 0.3

Peak table for sample 3 : 3 (1:5)

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	46	43.16	1,407.8		44.77
3	56	28.21	760.3		46.02
4	77	391.88	7,706.3		48.36
5	132	27.17	311.6		53.99
6	159	506.74	4,828.3		56.54
7	167	252.98	2,291.7		57.32
8	177	755.31	6,480.1		58.21
9	197	165.62	1,274.3		60.14
10	206	244.32	1,797.8		60.97
11	216	285.73	2,003.1		61.91
12	231	129.11	847.3		63.26
13	244	307.70	1,911.4		64.46
14	264	162.99	936.2		66.28
15	278	175.94	959.1		67.58
16	293	143.81	744.4		68.94
17	307	418.19	2,066.9		70.14
18	475	12.75	40.7		81.96
19	10,380	75.00	10.9	Upper Marker	113.00

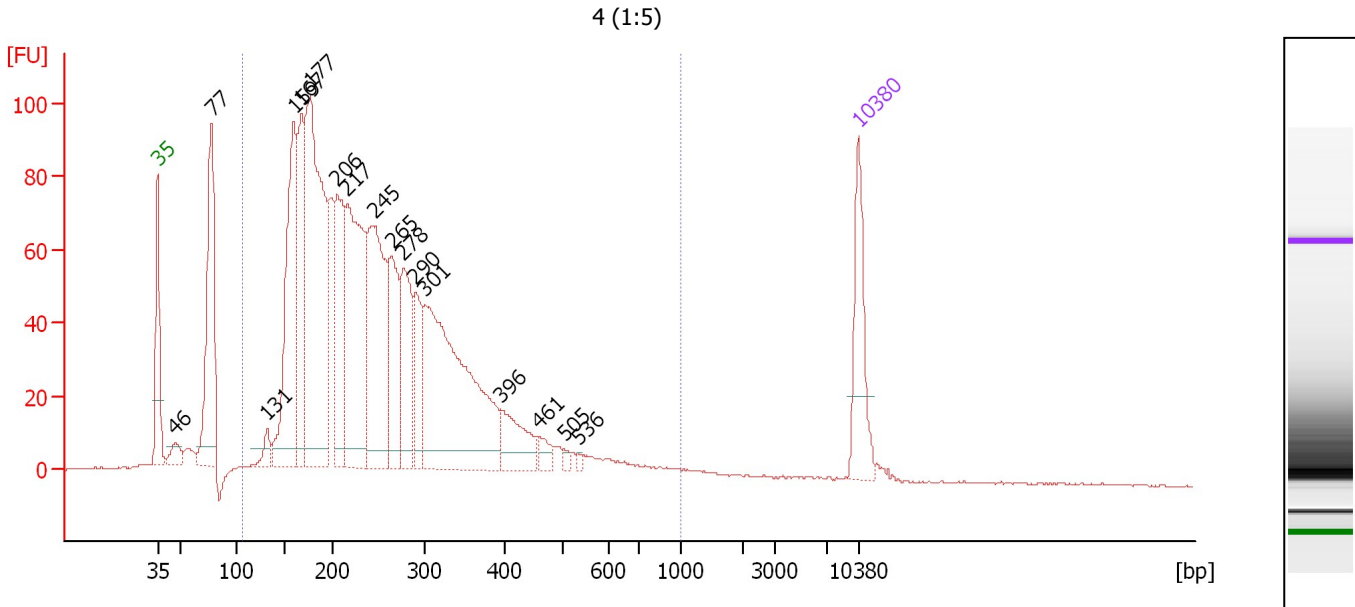
Region table for sample 3 : 3 (1:5)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
104	1,000	256	2,856.3	3,951.87	27,510.1	90	41.3

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-08\2018-03-08_001.xad

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Electropherogram Summary Continued ...



Overall Results for sample 4 : 4 (1:5)

Number of peaks found: 17 Corr. Area 1: 2,115.1
 Noise: 0.3

Peak table for sample 4 : 4 (1:5)

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	46	26.67	871.5		44.76
3	77	276.01	5,417.8		48.38
4	131	22.39	258.3		53.92
5	159	312.67	2,970.7		56.58
6	167	172.10	1,558.3		57.33
7	177	516.88	4,427.2		58.24
8	206	181.13	1,333.9		60.95
9	217	326.37	2,281.3		61.96
10	245	278.91	1,723.5		64.58
11	265	130.75	747.8		66.39
12	278	134.11	731.8		67.56
13	290	79.65	415.5		68.73
14	301	426.56	2,147.1		69.69
15	396	65.60	250.8		77.36
16	461	17.08	56.2		81.14
17	505	5.31	15.9		83.59
18	536	4.29	12.1		85.03
19	10,380	75.00	10.9	Upper Marker	113.00

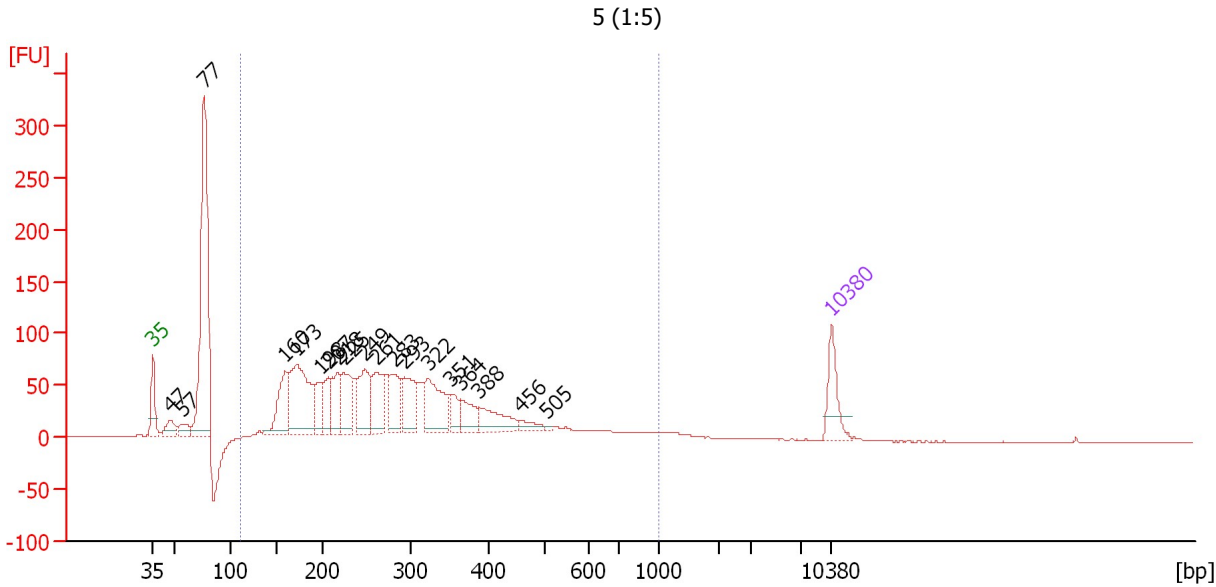
Region table for sample 4 : 4 (1:5)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
106	1,000	263	2,115.1	2,921.97	19,904.0	89	41.2

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-08\2018-03-08_001.xad

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 Modified: 3/8/2018 1:26:43 PM

Electropherogram Summary Continued ...



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

Number of peaks found: 19 Corr. Area 1: 2,047.1
 Noise: 0.3

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

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	47	57.23	1,842.7		44.87
3	57	44.89	1,199.9		46.07
4	77	842.55	16,651.7		48.32
5	160	184.48	1,744.0		56.66
6	173	349.67	3,062.5		57.87
7	198	91.61	701.4		60.23
8	207	83.53	610.3		61.10
9	218	110.98	770.8		62.09
10	225	140.29	945.9		62.69
11	249	156.72	955.1		64.89
12	261	139.84	813.2		65.99
13	283	114.26	612.5		68.02
14	293	131.58	680.8		68.95
15	322	170.37	802.2		71.36
16	351	49.58	213.9		73.72
17	364	71.33	296.8		74.76
18	388	91.79	358.5		76.68
19	456	27.24	90.5		80.85
20	505	4.53	13.6		83.60
21	10,380	75.00	10.9	Upper Marker	113.00

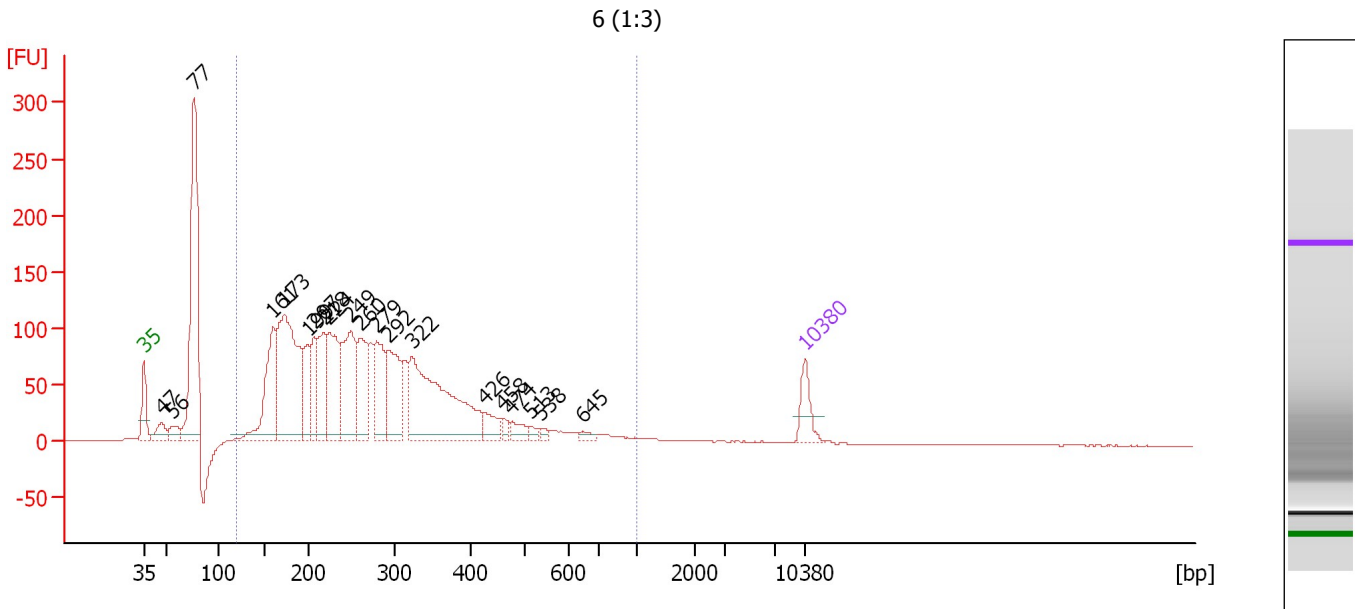
Region table for sample 5 : 5 (1:5)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
112	1,000	301	2,047.1	2,440.07	15,043.9	74	43.9

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-08\2018-03-08_001.xad

Created: 3/8/2018 12:42:55 PM
 Modified: 3/8/2018 1:26:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 6 (1:3)

Number of peaks found: 20 Corr. Area 1: 2,870.2
 Noise: 0.3

Peak table for sample 6 : 6 (1:3)


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	47	86.59	2,788.8		44.86
3	56	65.25	1,766.4		45.99
4	77	1,076.26	21,307.2		48.31
5	161	419.42	3,950.2		56.72
6	173	818.24	7,150.4		57.90
7	199	185.50	1,412.4		60.33
8	207	179.30	1,312.7		61.06
9	218	253.45	1,761.4		62.08
10	224	342.58	2,315.5		62.65
11	249	391.94	2,387.2		64.90
12	260	264.49	1,542.3		65.92
13	279	239.56	1,301.5		67.67
14	292	286.60	1,485.0		68.91
15	322	736.14	3,461.6		71.40
16	426	72.10	256.6		79.13
17	458	23.47	77.6		80.99
18	474	43.02	137.5		81.90
19	513	19.81	58.5		83.98
20	538	13.93	39.2		85.11
21	645	16.51	38.8		89.40
22	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-08\2018-03-08_001.xad

Created: 3/8/2018 12:42:55 PM
Modified: 3/8/2018 1:26:43 PM

Electropherogram Summary Continued ...

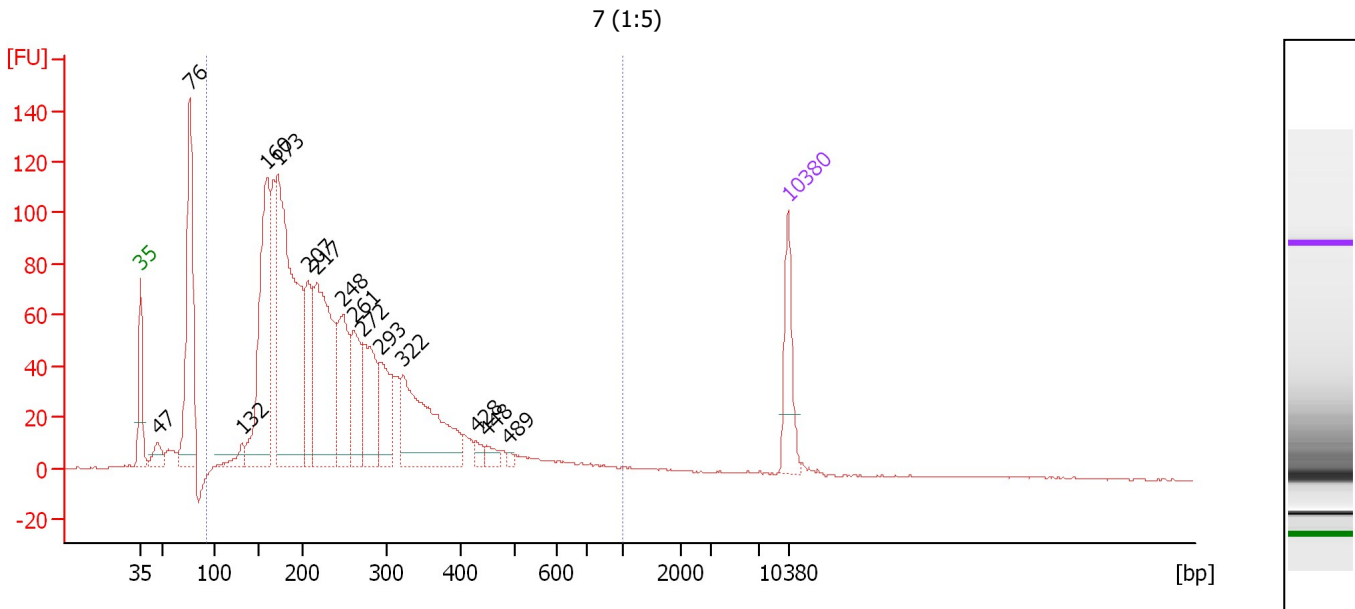
... Region table for sample 6 : 6 (1:3)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ μ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
119	1,000	286	2,870.2	4,684.75	29,779.4	 81	41.6

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-08\2018-03-08_001.xad

Created: 3/8/2018 12:42:55 PM
 Modified: 3/8/2018 1:26:43 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 7 (1:5)

Number of peaks found: 15 Corr. Area 1: 2,030.9
 Noise: 0.3

Peak table for sample 7 : 7 (1:5)

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	47	41.86	1,351.7		44.84
3	76	432.87	8,575.9		48.30
4	132	31.53	362.9		53.95
5	160	442.89	4,188.6		56.65
6	173	712.36	6,239.9		57.86
7	207	149.27	1,091.3		61.09
8	217	385.78	2,690.2		62.01
9	248	177.13	1,082.1		64.84
10	261	130.79	758.7		66.05
11	272	155.68	865.6		67.08
12	293	121.58	628.3		68.98
13	322	272.14	1,282.1		71.35
14	428	12.85	45.5		79.24
15	448	17.28	58.5		80.39
16	489	5.19	16.1		82.75
17	10,380	75.00	10.9	Upper Marker	113.00

Region table for sample 7 : 7 (1:5)

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
92	1,000	258	2,030.9	3,039.50	21,293.1	85	43.4

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2018-03-08\2018-03-08_001.xad

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Gel Image

