

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-05\2018-02-05\_001.xad

Created: 2/5/2018 9:54:59 AM  
Modified: 2/5/2018 10:22:14 AM

**Electrophoresis File Run Summary**

Instrument Information:

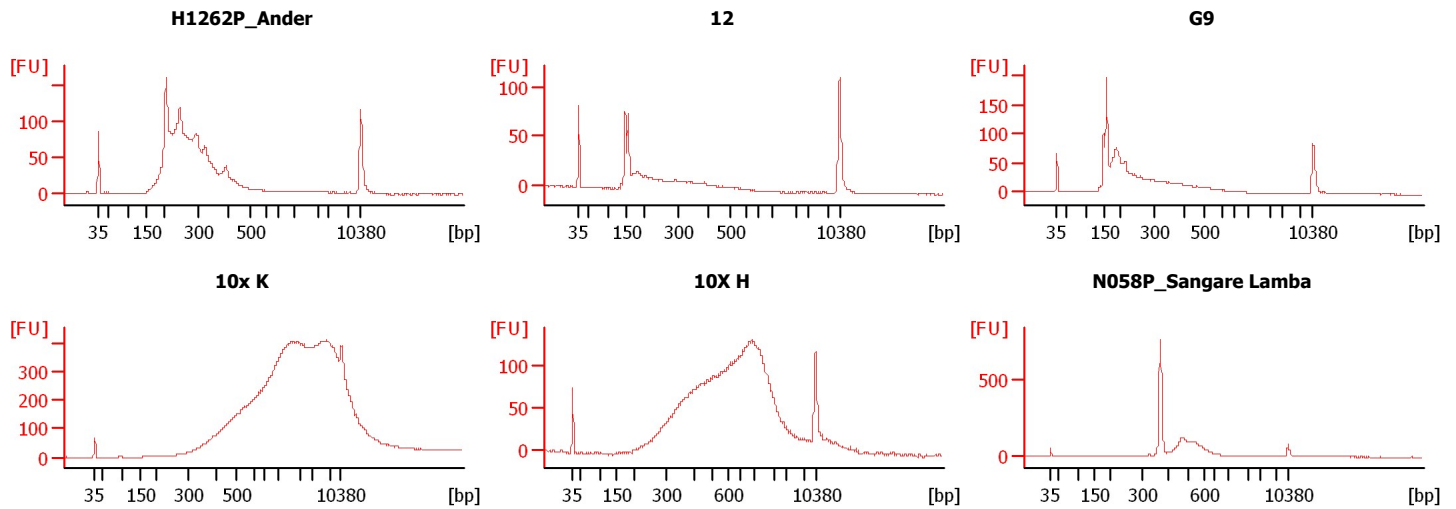
Instrument Name: DE34903152                      Firmware: C.01.069  
Serial#: DE34903152                                Type: G2938C

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:



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**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
H1262P_Ander		<input type="checkbox"/>	✓			
12		<input type="checkbox"/>	✓			
G9		<input type="checkbox"/>	✓			
10x K		<input type="checkbox"/>	✓			
10X H		<input type="checkbox"/>	✓			
N058P_Sangare Lamba		<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 #**

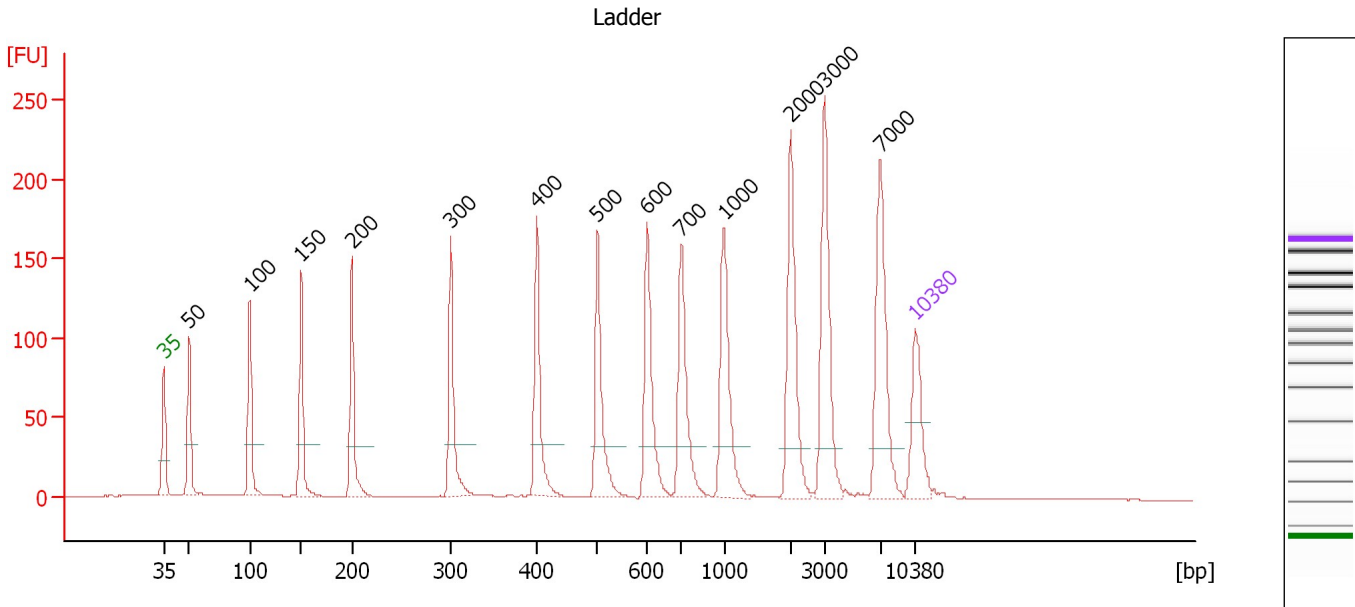
**Reagent Kit Lot #**

**Chip Comments :**

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Created: 2/5/2018 9:54:59 AM  
 Modified: 2/5/2018 10:22:14 AM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

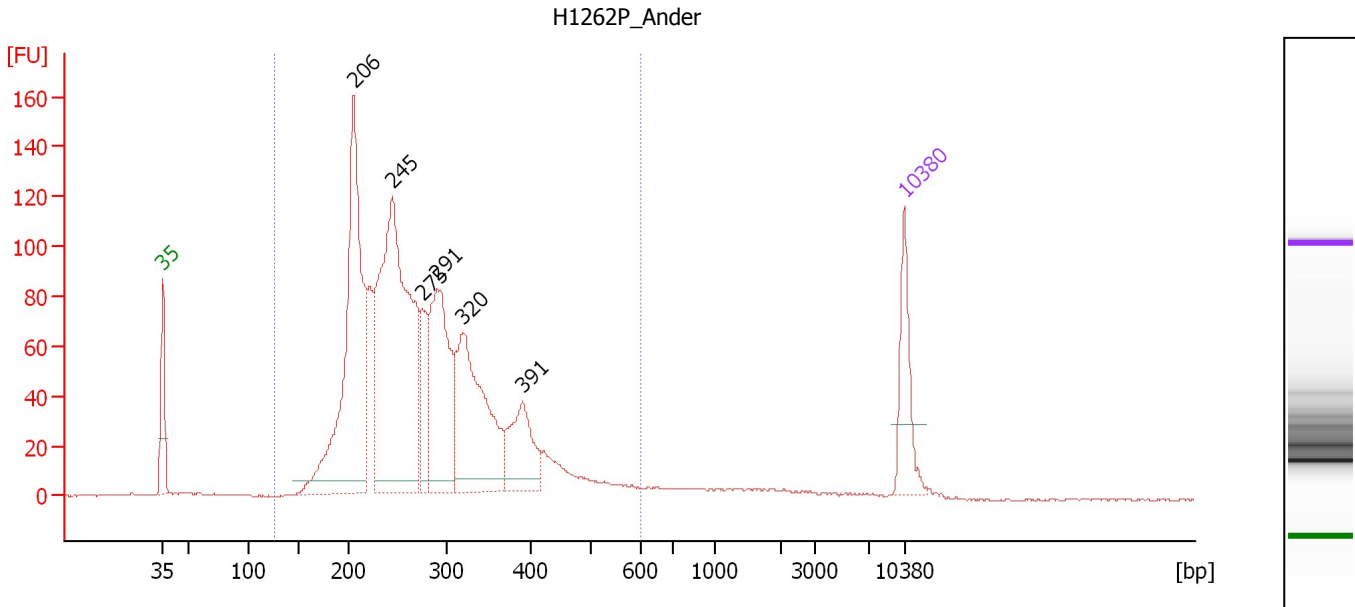
**Peak table for Ladder**

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	45.38
3	100	150.00	2,272.7	Ladder Peak	51.05
4	150	150.00	1,515.2	Ladder Peak	55.82
5	200	150.00	1,136.4	Ladder Peak	60.54
6	300	150.00	757.6	Ladder Peak	69.78
7	400	150.00	568.2	Ladder Peak	77.78
8	500	150.00	454.5	Ladder Peak	83.44
9	600	150.00	378.8	Ladder Peak	88.06
10	700	150.00	324.7	Ladder Peak	91.24
11	1,000	150.00	227.3	Ladder Peak	95.21
12	2,000	150.00	113.6	Ladder Peak	101.42
13	3,000	150.00	75.8	Ladder Peak	104.60
14	7,000	150.00	32.5	Ladder Peak	109.77
15	10,380	75.00	10.9	Upper Marker	113.00

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Created: 2/5/2018 9:54:59 AM  
 Modified: 2/5/2018 10:22:14 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : H1262P\_Ander**

Number of peaks found: 6                      Corr. Area 1: 2,096.2  
 Noise: 0.3

**Peak table for sample 1 : H1262P\_Ander**

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	206	618.74	4,557.0		61.07
3	245	739.95	4,577.3		64.69
4	275	102.77	565.3		67.51
5	291	294.38	1,534.4		68.92
6	320	310.26	1,468.8		71.38
7	391	120.91	469.1		77.02
8	10,380	75.00	10.9	Upper Marker	113.00

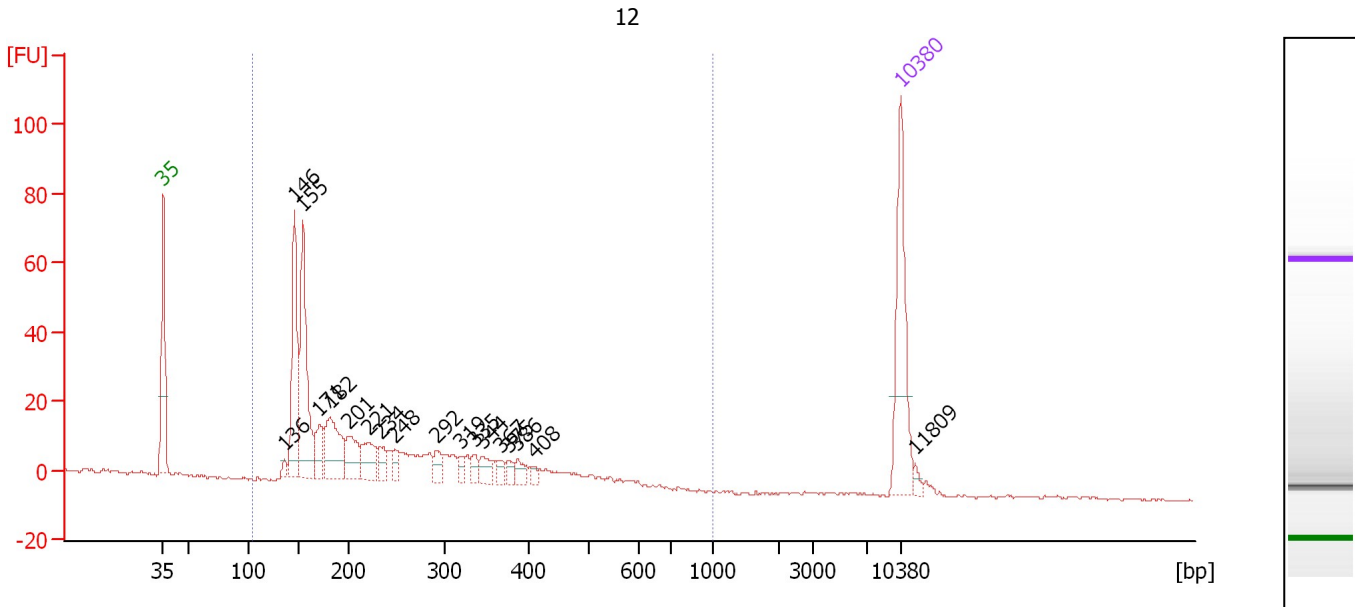
**Region table for sample 1 : H1262P\_Ander**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
127	604	281	2,096.2	2,443.82	14,248.1	96	26.8

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Created: 2/5/2018 9:54:59 AM  
 Modified: 2/5/2018 10:22:14 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 12**

Number of peaks found: 18                      Corr. Area 1: 494.1  
 Noise: 0.4

**Peak table for sample 2 : 12**

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	136	6.53	72.7		54.48
3	146	125.56	1,302.4		55.44
4	155	146.33	1,434.1		56.25
5	171	31.40	277.9		57.82
6	182	71.11	592.2		58.83
7	201	35.76	269.9		60.60
8	221	35.85	245.9		62.47
9	234	16.83	109.2		63.64
10	248	11.58	70.7		65.00
11	292	14.14	73.5		69.00
12	319	8.54	40.6		71.27
13	335	11.10	50.3		72.54
14	344	15.28	67.3		73.30
15	367	9.34	38.6		75.12
16	375	8.10	32.7		75.77
17	386	10.28	40.4		76.63
18	408	4.85	18.0		78.20
19	10,380	75.00	10.9	Upper Marker	113.00
20	11,809	0.00	0.0		114.37

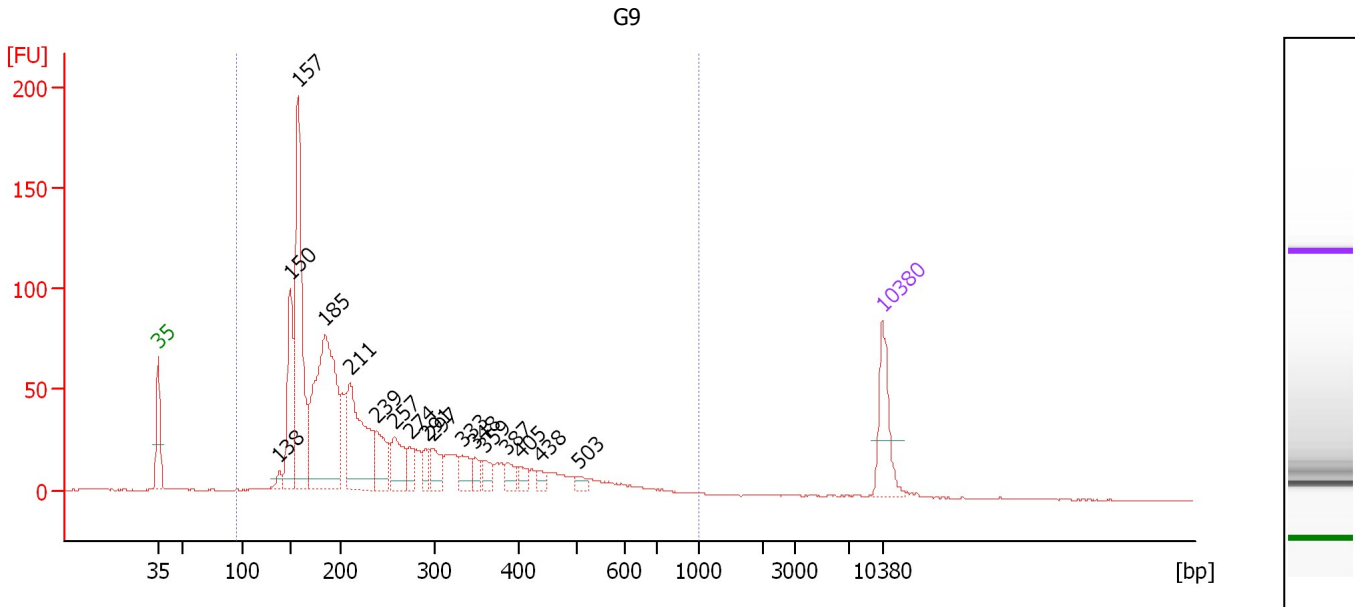
**Region table for sample 2 : 12**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
105	1,000	244	494.1	665.50	5,113.9	98	42.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-05\2018-02-05\_001.xad

Created: 2/5/2018 9:54:59 AM  
 Modified: 2/5/2018 10:22:14 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : G9**

Number of peaks found: 17                      Corr. Area 1: 1,488.7  
 Noise: 0.2

**Peak table for sample 3 : G9**

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	138	18.20	199.3		54.70
3	150	187.00	1,893.4		55.78
4	157	439.70	4,235.7		56.51
5	185	505.26	4,135.1		59.13
6	211	254.48	1,827.1		61.56
7	239	85.79	544.1		64.13
8	257	82.63	486.5		65.84
9	274	34.32	190.1		67.33
10	291	27.43	142.9		68.93
11	297	51.09	260.2		69.55
12	333	36.75	167.4		72.38
13	348	23.17	100.9		73.62
14	359	28.16	118.8		74.49
15	387	26.08	102.0		76.76
16	405	18.69	69.9		78.05
17	438	12.29	42.5		79.91
18	503	13.56	40.9		83.57
19	10,380	75.00	10.9	Upper Marker	113.00

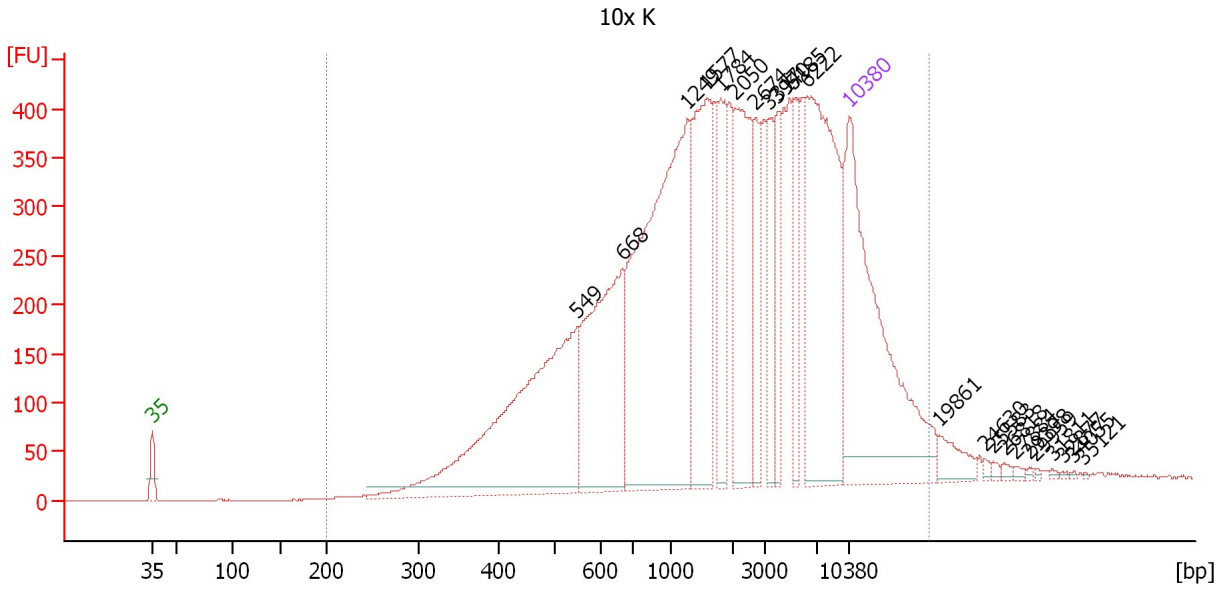
**Region table for sample 3 : G9**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
96	1,000	259	1,488.7	2,236.30	16,322.6	98	47.6

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 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-05\2018-02-05\_001.xad

Created: 2/5/2018 9:54:59 AM  
 Modified: 2/5/2018 10:22:14 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : 10x K**

Number of peaks found: 22                      Corr. Area 1: 10,302.9  
 Noise: 0.2

**Peak table for sample 4 : 10x K**


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	549	115.80	319.4		85.72
3	668	69.95	158.7		90.22
4	1,249	126.10	153.0		96.76
5	1,577	54.83	52.7		98.80
6	1,784	23.12	19.6		100.08
7	2,050	41.89	31.0		101.58
8	2,674	14.18	8.0		103.57
9	3,317	16.24	7.4		105.01
10	3,940	14.23	5.5		105.82
11	5,185	14.70	4.3		107.43
12	6,222	75.05	18.3		108.77
13	10,380	75.00	10.9	Upper Marker	113.00
14	19,861	0.00	0.0		122.06
15	24,630	0.00	0.0		126.61
16	25,583	0.00	0.0		127.53
17	26,818	0.00	0.0		128.70
18	27,884	0.00	0.0		129.72
19	29,398	0.00	0.0		131.17
20	29,959	0.00	0.0		131.71
21	31,811	0.00	0.0		133.47
22	32,877	0.00	0.0		134.49
23	34,055	0.00	0.0		135.62
24	35,121	0.00	0.0		136.64

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Created: 2/5/2018 9:54:59 AM  
Modified: 2/5/2018 10:22:14 AM

**Electropherogram Summary Continued ...**

... Region table for sample 4 : 10x K

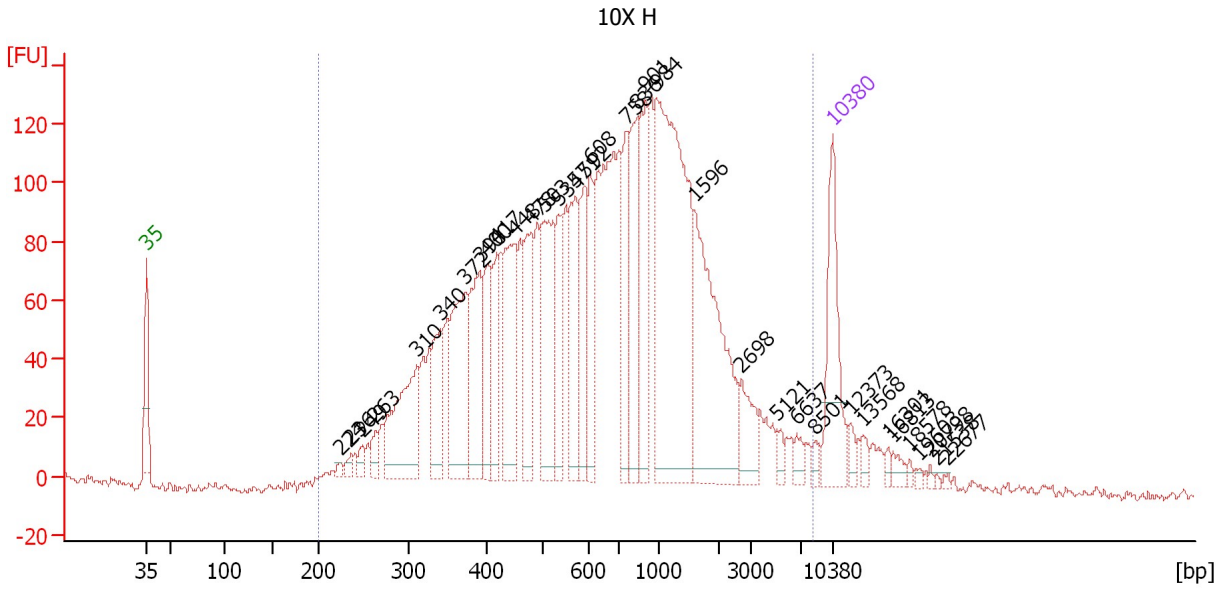
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	18,825	4,001	10,302.9	653.23	1,006.2	 98	100.0



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Created: 2/5/2018 9:54:59 AM  
 Modified: 2/5/2018 10:22:14 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : 10X H**

Number of peaks found: 35                      Corr. Area 1: 3,674.9  
 Noise: 1.3

**Peak table for sample 5 : 10X H**

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	224	5.30	35.9		62.74
3	236	9.19	59.1		63.83
4	249	10.47	63.8		65.03
5	263	15.74	90.8		66.33
6	310	127.55	623.4		70.58
7	340	66.08	294.5		72.97
8	372	125.24	510.3		75.53
9	390	100.86	391.6		76.99
10	400	58.77	222.8		77.76
11	417	56.06	203.7		78.73
12	448	112.47	380.7		80.47
13	478	81.05	256.7		82.22
14	503	123.69	372.7		83.57
15	534	55.86	158.6		84.99
16	571	77.91	206.7		86.73
17	592	69.33	177.3		87.71
18	608	57.88	144.3		88.31
19	758	69.67	139.3		92.01
20	836	79.43	144.0		93.04
21	901	84.31	141.7		93.91
22	984	319.87	492.7		95.00
23	1,596	172.55	163.8		98.91
24	2,698	32.25	18.1		103.64
25	5,121	8.41	2.5		107.34

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Created: 2/5/2018 9:54:59 AM  
 Modified: 2/5/2018 10:22:14 AM

**Electropherogram Summary Continued ...**

**... Peak table for sample 5 : 10X H**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	6,637	9.30	2.1		109.30
27	8,501	6.55	1.2		111.21
28	10,380	75.00	10.9	Upper Marker	113.00
29	12,373	0.00	0.0		114.90
30	13,568	0.00	0.0		116.05
31	16,301	0.00	0.0		118.66
32	16,813	0.00	0.0		119.15
33	18,578	0.00	0.0		120.83
34	19,603	0.00	0.0		121.81
35	20,798	0.00	0.0		122.95
36	21,538	0.00	0.0		123.66
37	22,677	0.00	0.0		124.75

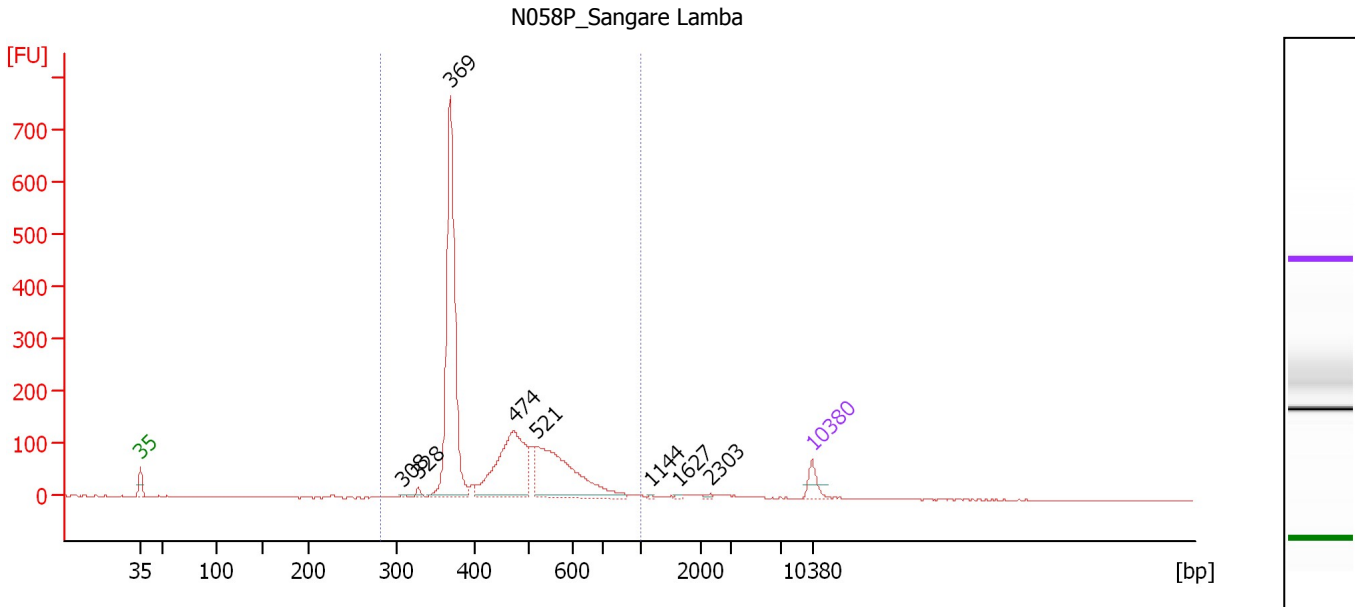
**Region table for sample 5 : 10X H**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	8,363	997	3,674.9	2,677.10	7,427.6	96	100.0

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Created: 2/5/2018 9:54:59 AM  
 Modified: 2/5/2018 10:22:14 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : N058P Sangare Lamba**

Number of peaks found: 8                      Corr. Area 1: 2,194.9  
 Noise: 0.8

**Peak table for sample 6 : N058P Sangare Lamba**

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	308	7.11	35.0		70.39
3	328	24.83	114.8		72.00
4	369	1,658.65	6,802.2		75.33
5	474	827.71	2,648.1		81.94
6	521	837.19	2,436.9		84.39
7	1,144	5.07	6.7		96.11
8	1,627	6.85	6.4		99.11
9	2,303	9.80	6.4		102.39
10	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 6 : N058P Sangare Lamba**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
281	1,000	457	2,194.9	3,423.15	12,034.3	96	22.5

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Created: 2/5/2018 9:54:59 AM  
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**Gel Image**

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**Invalid Samples**

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.