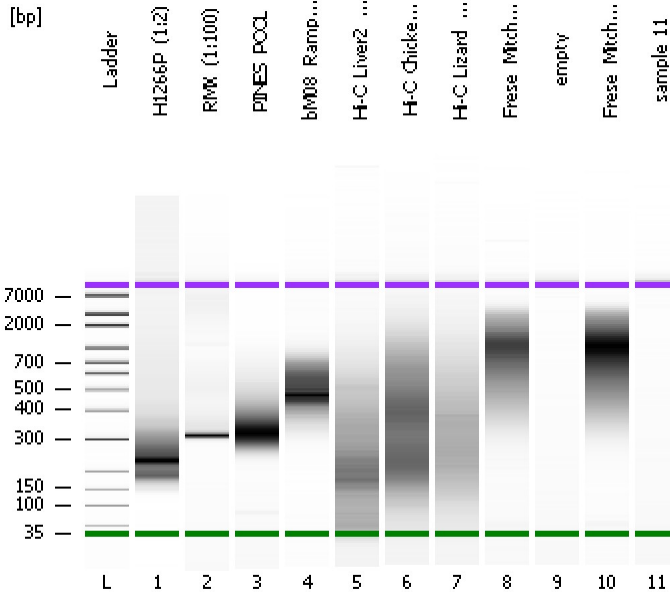


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-09\2018-02-09\_001.xad

Created: 2/9/2018 2:23:01 PM  
Modified: 2/9/2018 3:14:25 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

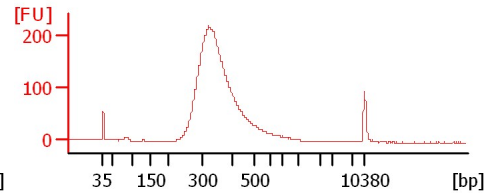
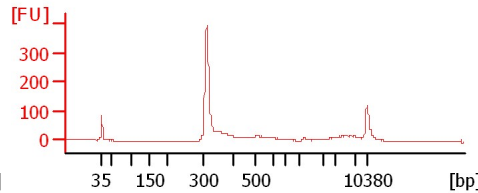
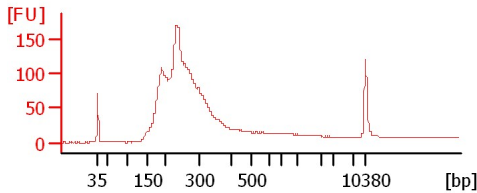
Chip Information:

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

**H1266P\_(1:2)**

**RMX\_(1:100)**

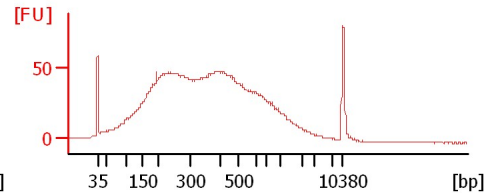
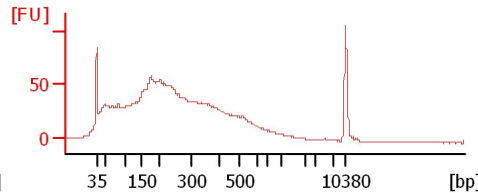
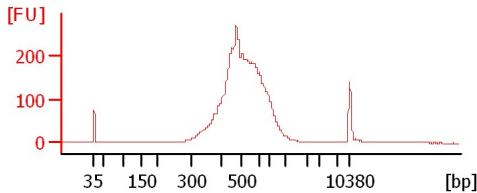
**PINES\_POOL**



**bM08\_Rampage\_(1:10)**

**Hi-C\_Liver2\_Shear-55sec**

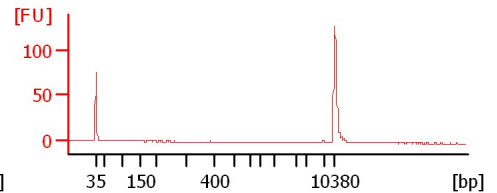
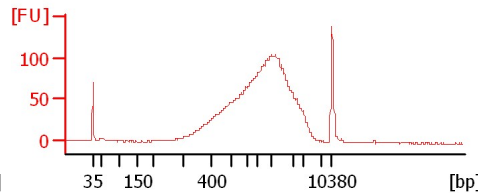
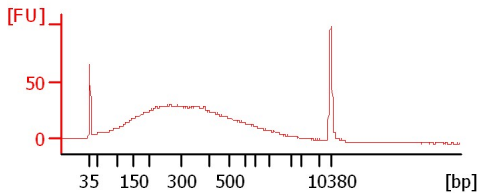
**Hi-C\_ChickenLiver\_Shear\_55sec**



**Hi-C\_Lizard\_Shear\_55sec**

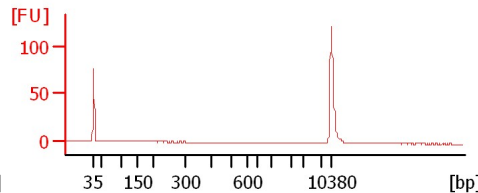
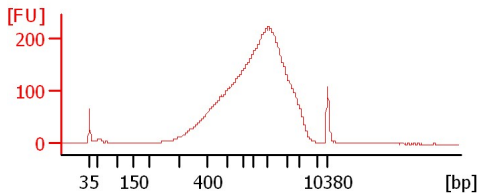
**Frese\_Mitchell\_pool\_(1:3)**

**empty**



**Frese\_Mitchelle\_pool\_undil**

**sample 11**



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-09\2018-02-09\_001.xad

Created: 2/9/2018 2:23:01 PM  
 Modified: 2/9/2018 3:14:25 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
H1266P_(1:2)		<input type="checkbox"/>	✓			
RMX_(1:100)		<input type="checkbox"/>	✓			
PINES_POOL		<input type="checkbox"/>	✓			
bM08_Rampage_(1:10)		<input type="checkbox"/>	✓			
Hi-C_Liver2_Shear-55sec		<input type="checkbox"/>	✓			
Hi-C_ChickenLiver_Shear_55sec		<input type="checkbox"/>	✓			
Hi-C_Lizard_Shear_55sec		<input type="checkbox"/>	✓			
Frese_Mitchell_pool_(1:3)		<input type="checkbox"/>	✓			
empty		<input type="checkbox"/>	✓			
Frese_Mitchelle_pool_undil		<input type="checkbox"/>	✓			
sample 11		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

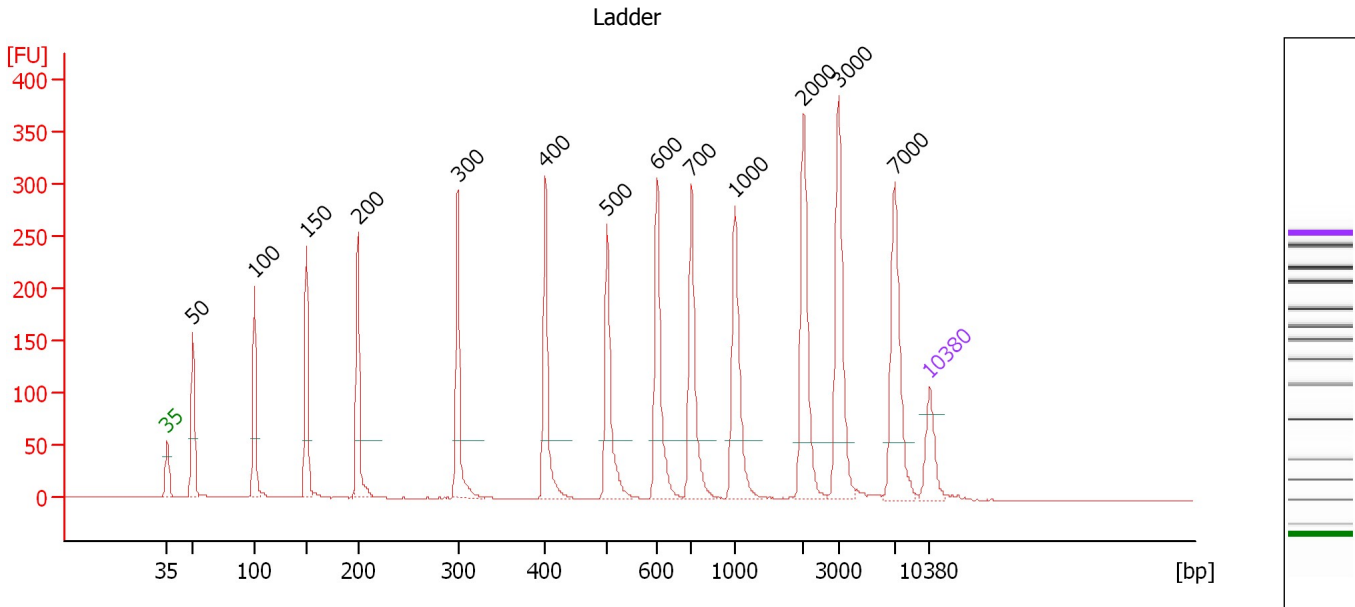
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-09\2018-02-09\_001.xad

Created: 2/9/2018 2:23:01 PM  
 Modified: 2/9/2018 3:14:25 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.3

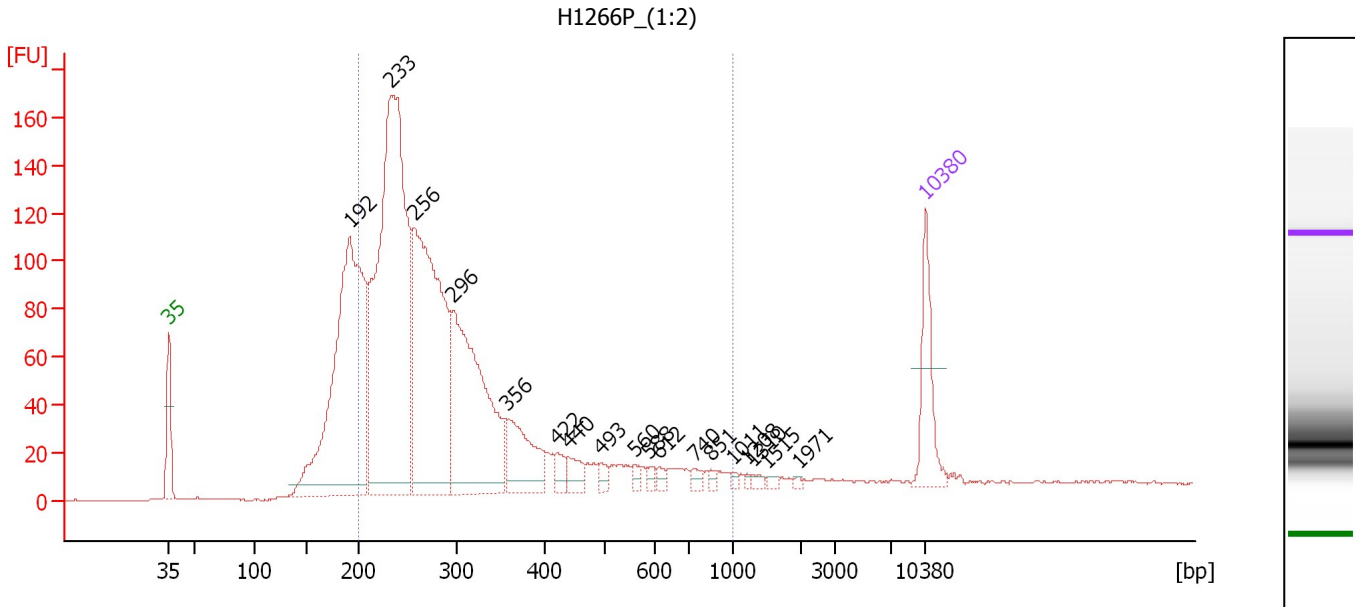
**Peak table for Ladder**

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	45.35
3	100	150.00	2,272.7	Ladder Peak	50.98
4	150	150.00	1,515.2	Ladder Peak	55.79
5	200	150.00	1,136.4	Ladder Peak	60.49
6	300	150.00	757.6	Ladder Peak	69.70
7	400	150.00	568.2	Ladder Peak	77.73
8	500	150.00	454.5	Ladder Peak	83.41
9	600	150.00	378.8	Ladder Peak	88.02
10	700	150.00	324.7	Ladder Peak	91.15
11	1,000	150.00	227.3	Ladder Peak	95.17
12	2,000	150.00	113.6	Ladder Peak	101.44
13	3,000	150.00	75.8	Ladder Peak	104.67
14	7,000	150.00	32.5	Ladder Peak	109.82
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-09\2018-02-09\_001.xad

Created: 2/9/2018 2:23:01 PM  
 Modified: 2/9/2018 3:14:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : H1266P (1:2)**

Number of peaks found: 18      Corr. Area 1: 2,238.4  
 Noise: 0.3

**Peak table for sample 1 : H1266P (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	192	774.84	6,118.7		59.72
3	233	1,009.92	6,553.9		63.57
4	256	620.87	3,675.0		65.64
5	296	449.73	2,300.9		69.34
6	356	126.23	536.7		74.23
7	422	21.02	75.5		78.96
8	440	29.25	100.7		80.00
9	493	12.36	38.0		83.01
10	560	8.87	24.0		86.16
11	588	7.74	20.0		87.45
12	612	8.79	21.8		88.38
13	740	10.09	20.7		91.69
14	851	6.96	12.4		93.17
15	1,011	3.97	6.0		95.24
16	1,208	3.44	4.3		96.47
17	1,310	5.74	6.6		97.12
18	1,515	4.69	4.7		98.40
19	1,971	2.91	2.2		101.26
20	10,380	75.00	10.9	Upper Marker	113.00

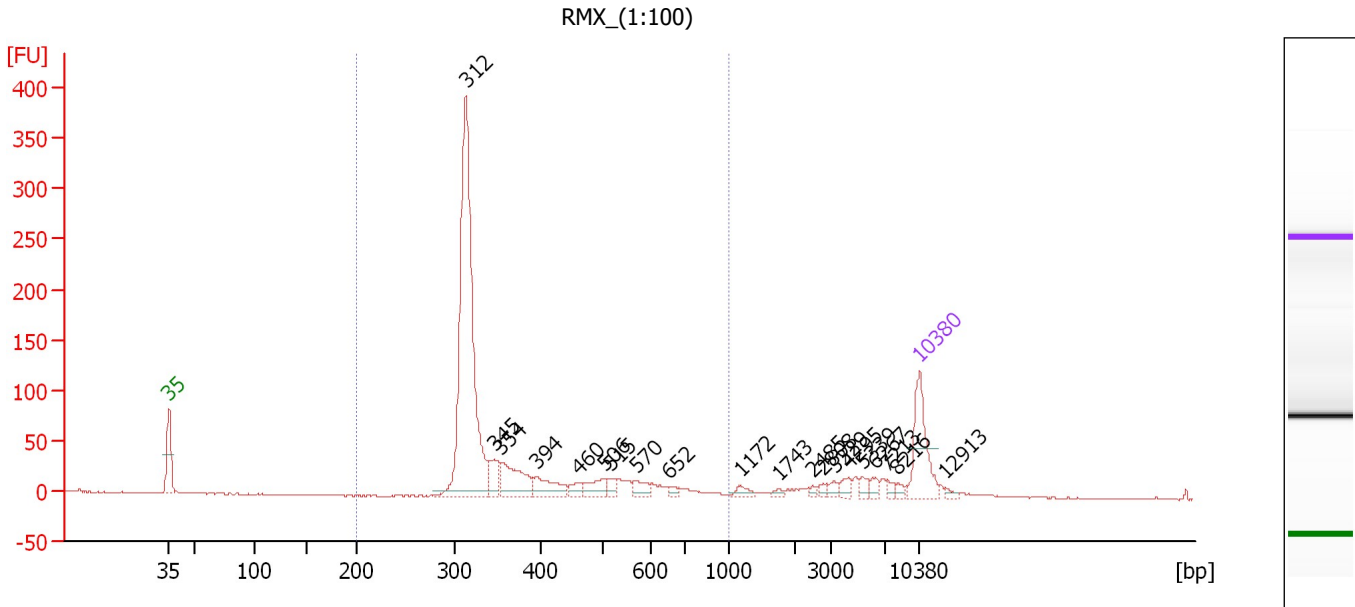
**Region table for sample 1 : H1266P (1:2)**

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	307	2,238.4	2,570.06	14,269.3	80	39.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-09\2018-02-09\_001.xad

Created: 2/9/2018 2:23:01 PM  
 Modified: 2/9/2018 3:14:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : RMX (1:100)**

Number of peaks found: 20                      Corr. Area 1: 1,099.1  
 Noise: 0.6

**Peak table for sample 2 : RMX (1:100)**


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	312	622.38	3,018.8		70.69
3	345	39.62	173.9		73.33
4	354	79.48	340.3		74.02
5	394	45.47	174.8		77.25
6	460	16.17	53.3		81.13
7	506	30.14	90.3		83.67
8	515	13.09	38.5		84.12
9	570	19.14	50.8		86.65
10	652	7.80	18.1		89.63
11	1,172	11.32	14.6		96.25
12	1,743	4.92	4.3		99.83
13	2,485	4.61	2.8		103.01
14	2,808	5.36	2.9		104.05
15	3,329	7.39	3.4		105.10
16	4,295	11.18	3.9		106.34
17	5,339	9.05	2.6		107.68
18	6,267	9.56	2.3		108.87
19	7,213	6.29	1.3		110.02
20	8,216	6.03	1.1		110.96
21	10,380	75.00	10.9	Upper Marker	113.00
22	12,913	0.00	0.0		115.39

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-09\2018-02-09\_001.xad

Created: 2/9/2018 2:23:01 PM  
Modified: 2/9/2018 3:14:25 PM

**Electropherogram Summary Continued ...**

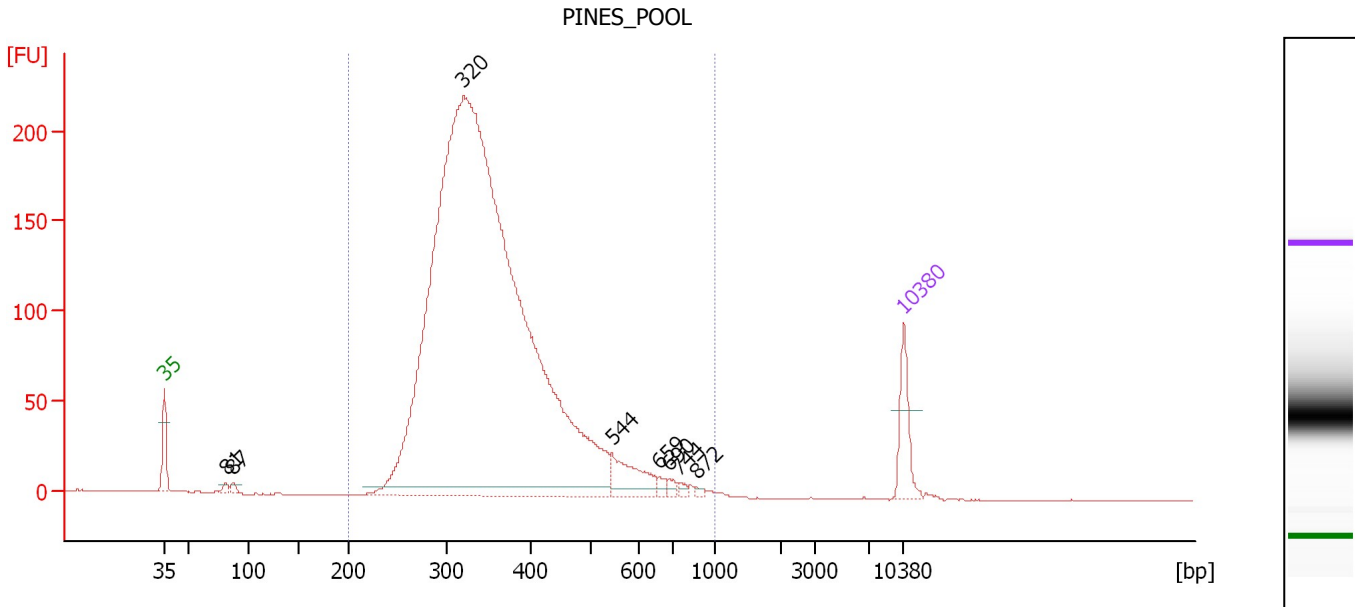
... Region table for sample 2 : RMX (1:100)

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	1,000	366	1,099.1	858.28	3,786.6	 87	26.7

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-09\2018-02-09\_001.xad

Created: 2/9/2018 2:23:01 PM  
 Modified: 2/9/2018 3:14:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : PINES\_POOL**

Number of peaks found: 8                      Corr. Area 1: 3,083.3  
 Noise: 0.3

**Peak table for sample 3 : PINES\_POOL**

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	81	13.78	257.3		48.86
3	87	14.96	259.4		49.57
4	320	4,321.49	20,438.0		71.33
5	544	107.20	298.7		85.42
6	659	12.46	28.6		89.87
7	690	12.82	28.2		90.83
8	744	9.75	19.9		91.74
9	872	6.74	11.7		93.45
10	10,380	75.00	10.9	Upper Marker	113.00

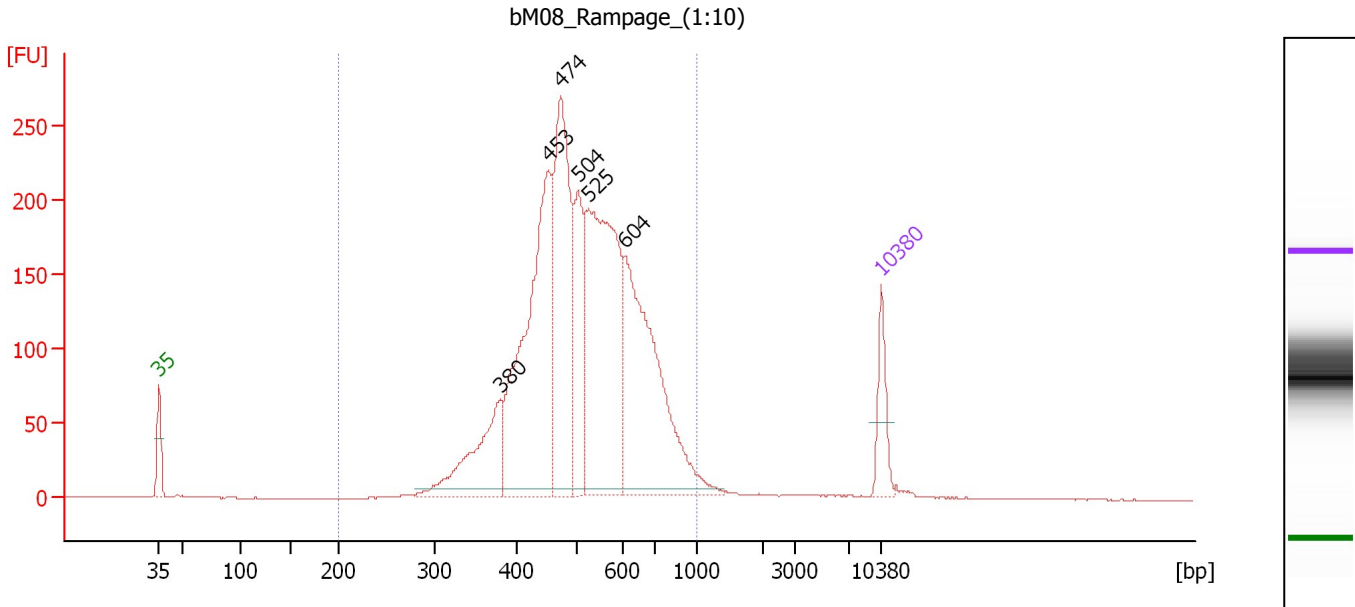
**Region table for sample 3 : PINES\_POOL**

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	362	3,083.3	4,225.20	18,695.4	99	24.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-09\2018-02-09\_001.xad

Created: 2/9/2018 2:23:01 PM  
 Modified: 2/9/2018 3:14:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : bM08 Rampage (1:10)**

Number of peaks found: 6                      Corr. Area 1: 3,476.3  
 Noise: 0.2

**Peak table for sample 4 : bM08 Rampage (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	380	272.88	1,088.4		76.11
3	453	757.01	2,529.8		80.76
4	474	564.74	1,804.1		81.95
5	504	245.12	736.6		83.61
6	525	739.34	2,131.7		84.59
7	604	619.49	1,553.3		88.15
8	10,380	75.00	10.9	Upper Marker	113.00

**Region table for sample 4 : bM08 Rampage (1:10)**

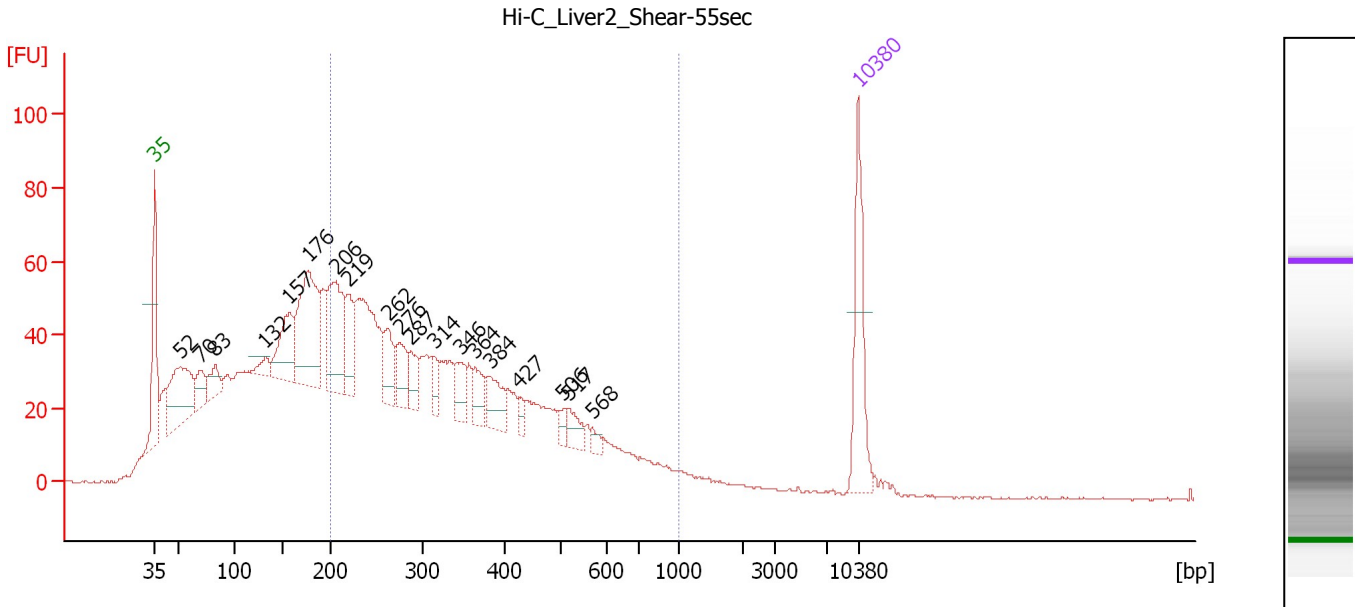
From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	525	3,476.3	3,226.54	9,912.2	97	22.2



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-09\2018-02-09\_001.xad

Created: 2/9/2018 2:23:01 PM  
 Modified: 2/9/2018 3:14:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : Hi-C Liver2 Shear-55sec**

Number of peaks found: 19                      Corr. Area 1: 1,347.7  
 Noise: 0.3

**Peak table for sample 5 : Hi-C Liver2 Shear-55sec**

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	52	143.16	4,193.7		45.55
3	70	34.78	757.0		47.56
4	83	33.90	620.4		49.05
5	132	16.92	194.7		54.03
6	157	80.62	779.5		56.42
7	176	173.86	1,492.9		58.27
8	206	124.93	919.4		61.03
9	219	55.14	381.2		62.25
10	262	46.81	270.4		66.23
11	276	40.32	221.7		67.45
12	287	28.16	148.9		68.45
13	314	19.33	93.2		70.84
14	346	30.99	135.7		73.39
15	364	29.82	124.0		74.87
16	384	39.19	154.8		76.41
17	427	10.95	38.8		79.27
18	506	11.36	34.0		83.67
19	517	20.99	61.5		84.20
20	568	7.56	20.2		86.54
21	10,380	75.00	10.9	Upper Marker	113.00

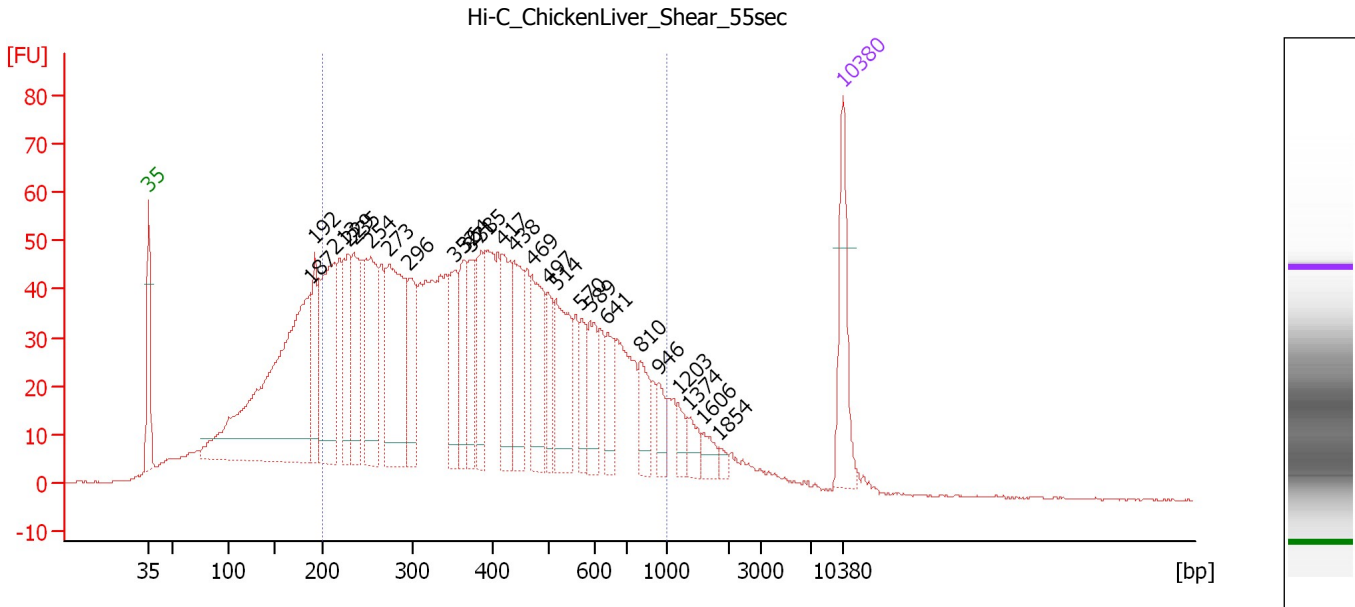
**Region table for sample 5 : Hi-C Liver2 Shear-55sec**

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	360	1,347.7	1,719.05	8,591.0	52	39.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-09\2018-02-09\_001.xad

Created: 2/9/2018 2:23:01 PM  
 Modified: 2/9/2018 3:14:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : Hi-C ChickenLiver Shear 55sec**

Number of peaks found: 26                      Corr. Area 1: 1,874.2  
 Noise: 0.3

**Peak table for sample 6 : Hi-C ChickenLiver Shear 55sec**

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	187	603.82	4,885.4		59.29
3	192	96.15	757.1		59.77
4	213	221.21	1,575.9		61.66
5	229	103.55	685.0		63.16
6	235	129.49	835.3		63.70
7	254	166.05	992.3		65.42
8	273	237.07	1,313.8		67.25
9	296	94.59	484.9		69.29
10	352	82.35	354.7		73.86
11	364	78.77	328.0		74.83
12	371	64.28	262.4		75.42
13	385	68.97	271.2		76.55
14	417	92.81	337.2		78.70
15	438	101.67	351.8		79.88
16	469	106.18	343.0		81.66
17	497	50.97	155.2		83.27
18	514	111.20	327.6		84.08
19	570	39.28	104.3		86.66
20	589	53.58	137.8		87.52
21	641	44.44	105.1		89.29
22	810	42.72	79.9		92.62
23	946	25.78	41.3		94.45
24	1,203	18.46	23.3		96.44
25	1,374	18.61	20.5		97.52

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-09\2018-02-09\_001.xad

Created: 2/9/2018 2:23:01 PM  
 Modified: 2/9/2018 3:14:25 PM

### Electropherogram Summary Continued ...

#### ... Peak table for sample 6 : Hi-C ChickenLiver Shear 55sec

Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	1,606	16.30	15.4		98.97
27	1,854	6.57	5.4		100.53
28	10,380	75.00	10.9	Upper Marker	113.00

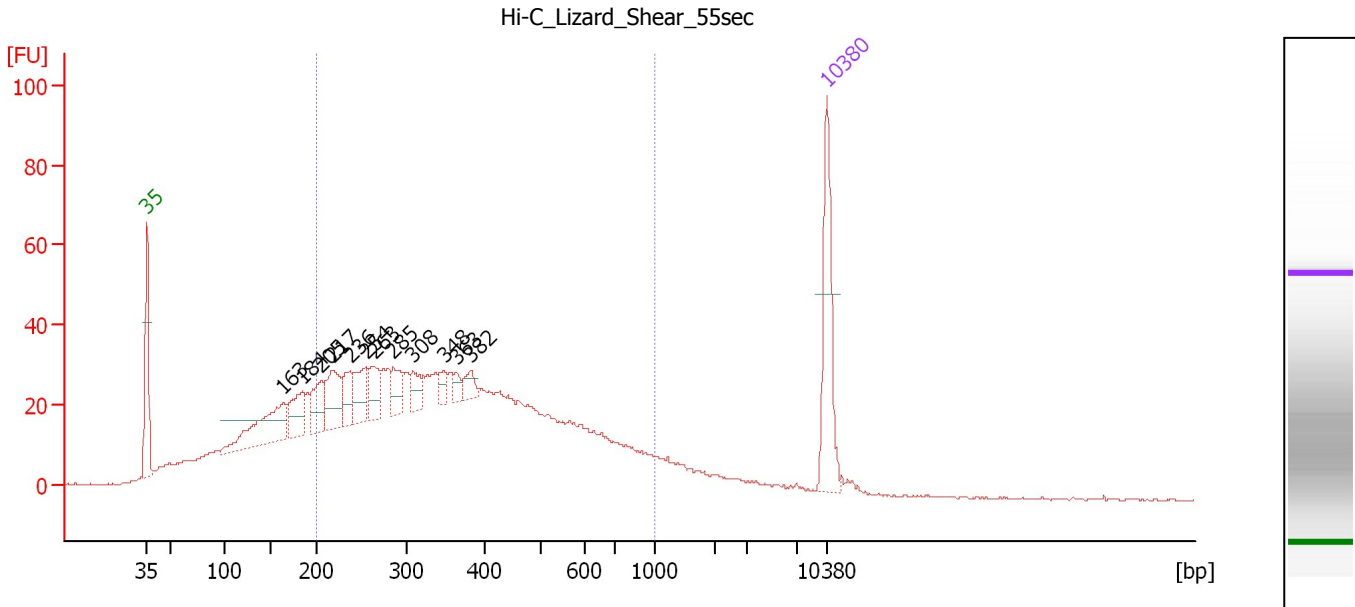
#### Region table for sample 6 : Hi-C ChickenLiver Shear 55sec

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	1,000	416	1,874.2	3,099.14	13,916.7	73	41.1

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-09\2018-02-09\_001.xad

Created: 2/9/2018 2:23:01 PM  
 Modified: 2/9/2018 3:14:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : Hi-C Lizard Shear 55sec**

Number of peaks found: 12                      Corr. Area 1: 1,065.9  
 Noise: 0.2

**Peak table for sample 7 : Hi-C Lizard Shear 55sec**

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	163	103.48	963.1		56.99
3	184	49.19	405.5		58.96
4	205	43.81	324.0		60.94
5	217	56.41	394.2		62.04
6	236	30.28	194.0		63.85
7	254	41.65	248.1		65.49
8	263	30.90	177.8		66.32
9	285	27.67	146.9		68.34
10	308	21.25	104.4		70.37
11	348	11.89	51.8		73.56
12	363	9.79	40.8		74.76
13	382	13.90	55.1		76.30
14	10,380	75.00	10.9	Upper Marker	113.00

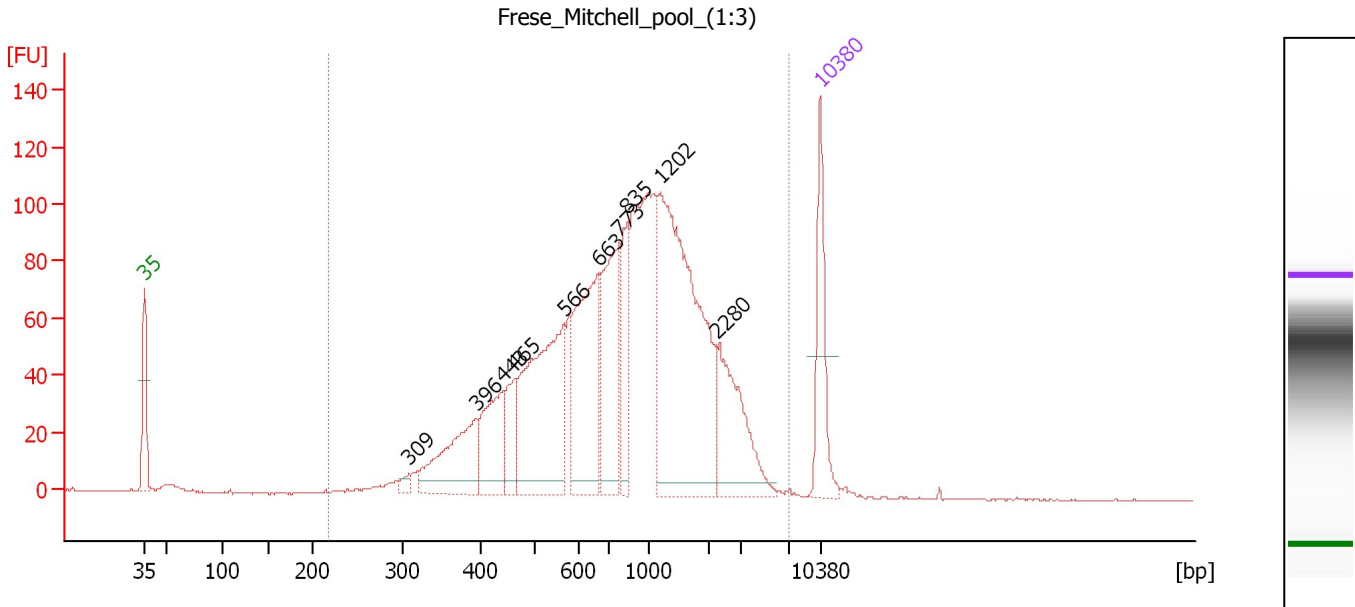
**Region table for sample 7 : Hi-C Lizard Shear 55sec**

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	396	1,065.9	1,426.94	6,613.8	69	40.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-09\2018-02-09\_001.xad

Created: 2/9/2018 2:23:01 PM  
 Modified: 2/9/2018 3:14:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : Frese Mitchell pool (1:3)**

Number of peaks found: 10                      Corr. Area 1: 2,146.6  
 Noise: 0.3

**Peak table for sample 8 : Frese Mitchell pool (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	309	10.27	50.3		70.44
3	396	126.92	485.8		77.39
4	443	95.10	325.5		80.15
5	465	57.99	189.0		81.42
6	566	247.84	663.6		86.45
7	663	197.62	451.9		89.98
8	773	151.37	296.6		92.13
9	835	81.79	148.4		92.96
10	1,202	386.36	486.9		96.44
11	2,280	108.43	72.0		102.35
12	10,380	75.00	10.9	Upper Marker	113.00

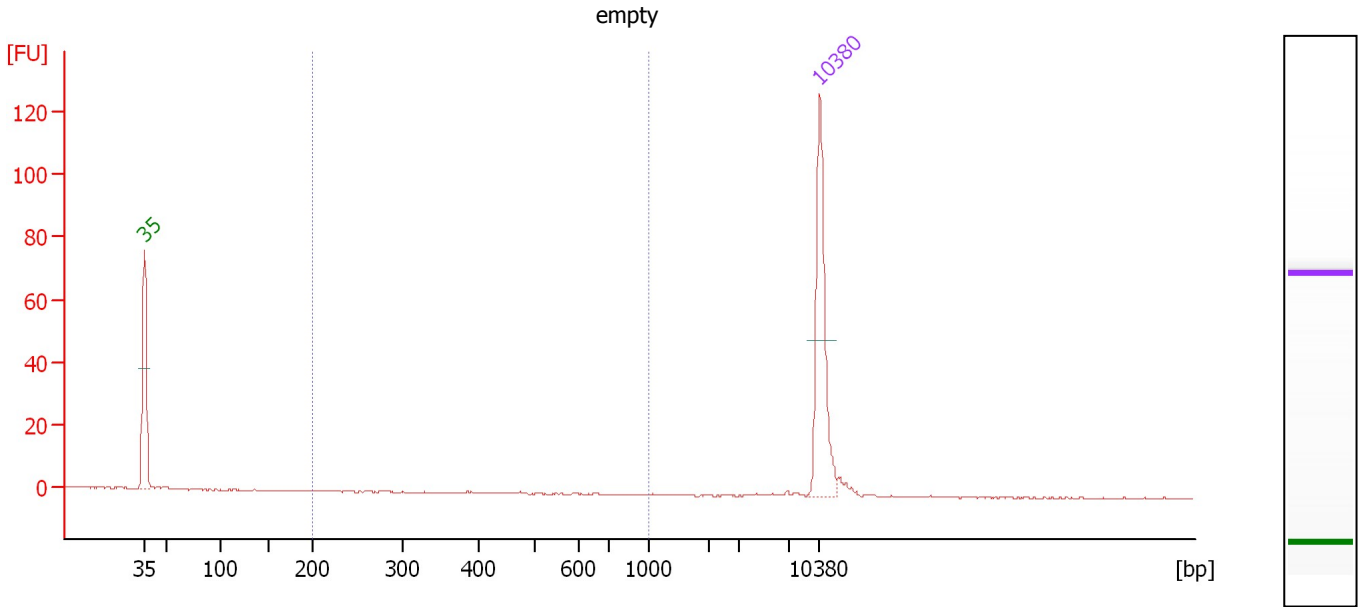
**Region table for sample 8 : Frese Mitchell pool (1:3)**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of Ior Total	Size distribution in CV [%]
217	6,884	1,093	2,146.6	1,776.21	3,873.3	99	71.9

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-09\2018-02-09\_001.xad

Created: 2/9/2018 2:23:01 PM  
 Modified: 2/9/2018 3:14:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : empty**

Number of peaks found: 0                      Corr. Area 1: 0.2  
 Noise: 0.2

**Peak table for sample 9 : empty**

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	10,380	75.00	10.9	Upper Marker	113.00

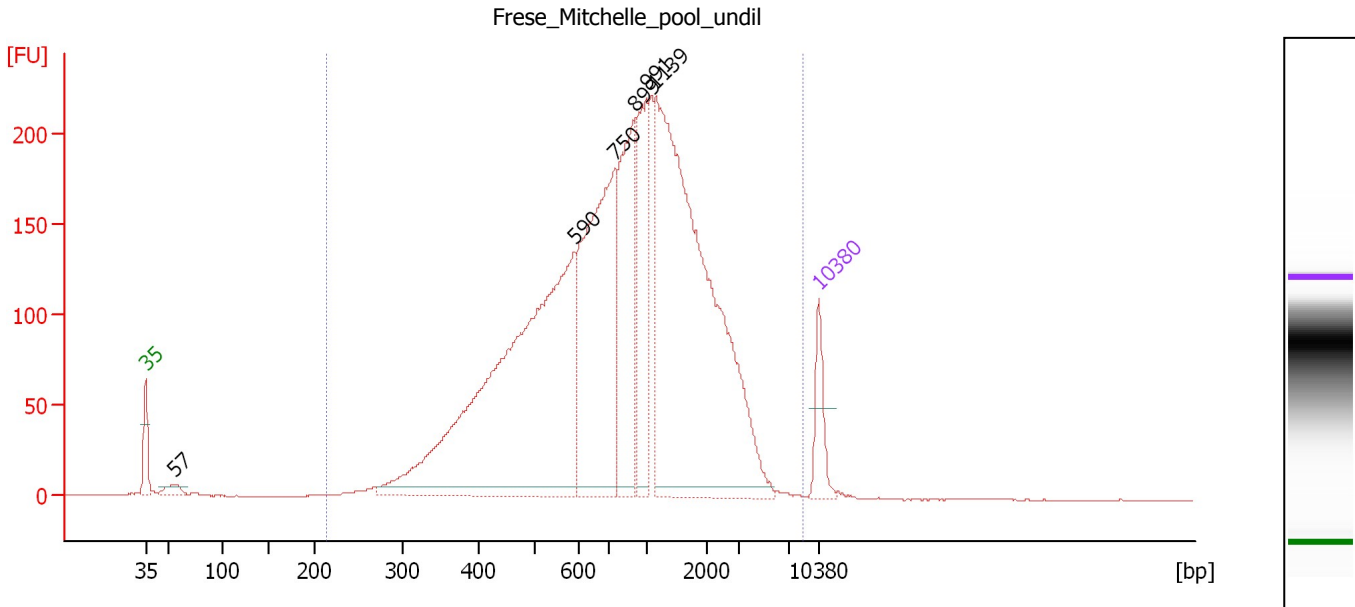
**Region table for sample 9 : empty**

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	529	0.2	0.16	0.5	1	22.8

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-09\2018-02-09\_001.xad

Created: 2/9/2018 2:23:01 PM  
 Modified: 2/9/2018 3:14:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 10 : Frese Mitchelle pool undil**

Number of peaks found: 6                      Corr. Area 1: 4,551.3  
 Noise: 0.2

**Peak table for sample 10 : Frese Mitchelle pool undil**

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	57	39.46	1,054.7		46.10
3	590	1,414.79	3,632.8		87.56
4	750	733.14	1,480.2		91.83
5	899	397.63	669.8		93.82
6	991	277.79	424.9		95.04
7	1,139	1,333.91	1,774.6		96.04
8	10,380	75.00	10.9	Upper Marker	113.00

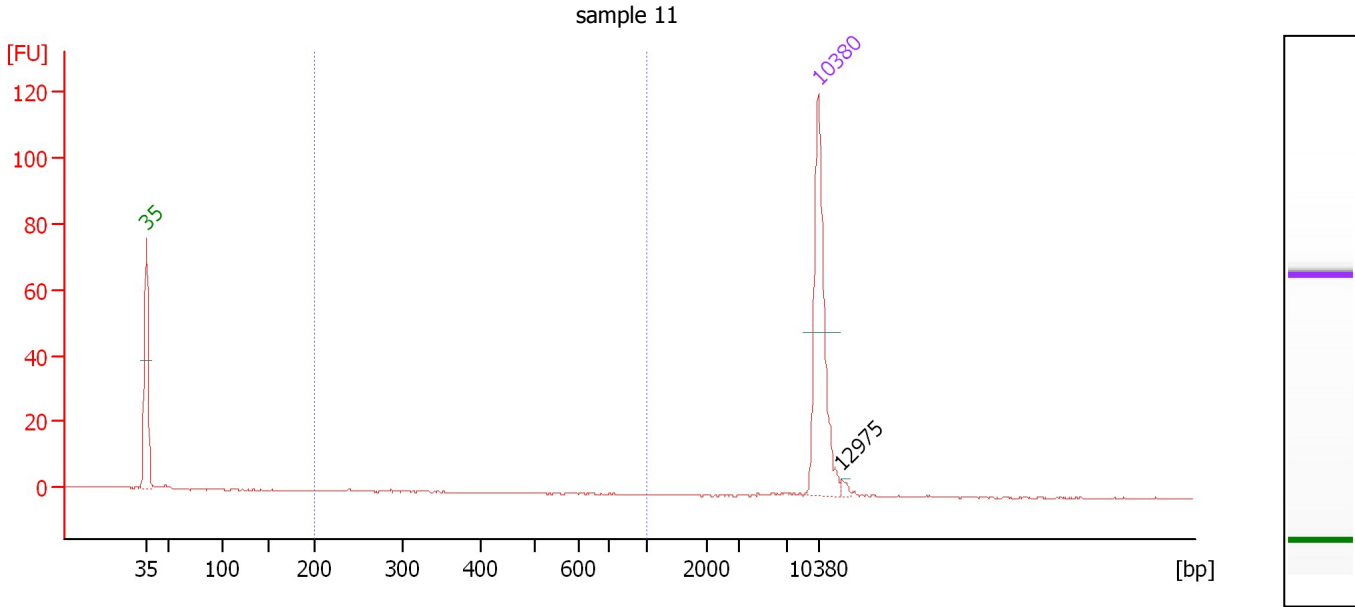
**Region table for sample 10 : Frese Mitchelle pool undil**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Conc. [pg/μl]	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
214	8,604	1,096	4,551.3	4,514.04	9,965.7	99	74.4

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-09\2018-02-09\_001.xad

Created: 2/9/2018 2:23:01 PM  
 Modified: 2/9/2018 3:14:25 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 11 : sample 11**

Number of peaks found: 1                      Corr. Area 1: 0.1  
 Noise: 0.2

**Peak table for sample 11 : sample 11**

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	10,380	75.00	10.9	Upper Marker	113.00
3	12,975	0.00	0.0		115.44

**Region table for sample 11 : sample 11**

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	273	0.1	0.12	0.6	2	7.8



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2018-02-09\2018-02-09\_001.xad

Created: 2/9/2018 2:23:01 PM  
Modified: 2/9/2018 3:14:25 PM

**Gel Image**

