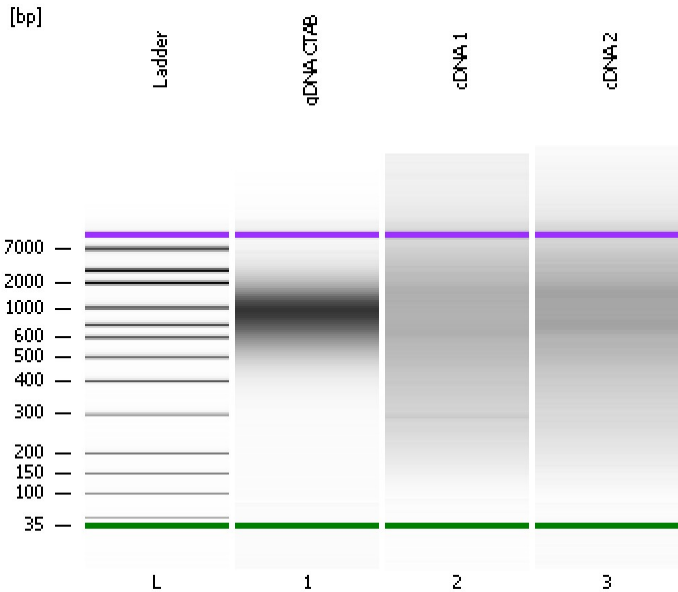


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...pert\data\2018-06-12\2018-06-12\_002\_LibPrep05\_LibPrep06.xad

Created: 6/12/2018 5:27:46 PM  
Modified: 6/13/2018 7:50:44 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

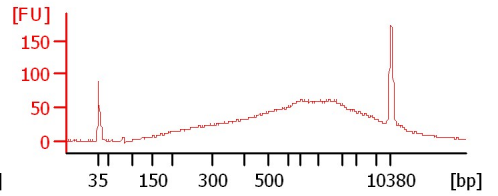
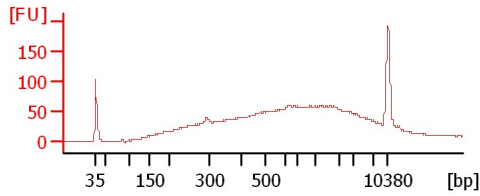
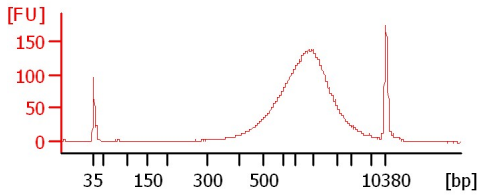
Chip Information:

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

**gDNA CTAB**

**cDNA 1**

**cDNA 2**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...pert\data\2018-06-12\2018-06-12\_002\_LibPrep05\_LibPrep06.xad

Created: 6/12/2018 5:27:46 PM  
Modified: 6/13/2018 7:50:44 AM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
gDNA CTAB		<input type="checkbox"/>	✓			
cDNA 1		<input type="checkbox"/>	✓			
cDNA 2		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

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

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...pert\data\2018-06-12\2018-06-12\_002\_LibPrep05\_LibPrep06.xad

Created: 6/12/2018 5:27:46 PM  
Modified: 6/13/2018 7:50:44 AM

**Electrophoresis Assay Details**

**General Analysis Settings**

Number of Available Sample and Ladder Wells (Max.) : 12  
Minimum Visible Range [s] : 32  
Maximum Visible Range [s] : 138  
Start Analysis Time Range [s] : 33  
End Analysis Time Range [s] : 137.5  
Ladder Concentration [pg/μl] : 1950  
Uses Standard Area for Ladder Fragments  
Lower Marker Concentration [pg/μl] : 125  
Upper Marker Concentration [pg/μl] : 75  
Used Upper Marker for Quantitation  
Standard Curve Fit is Point to Point  
Show Data Aligned to Lower and Upper Marker

**Integrator Settings**

Integration Start Time [s] : 33.05  
Integration End Time [s] : 137  
Slope Threshold : 0.8  
Height Threshold [FU] : 5  
Area Threshold : 0.1  
Width Threshold [s] : 0.6  
Baseline Plateau [s] : 0.5

**Filter Settings**

Filter Width [s] : 0.5  
Polynomial Order : 4

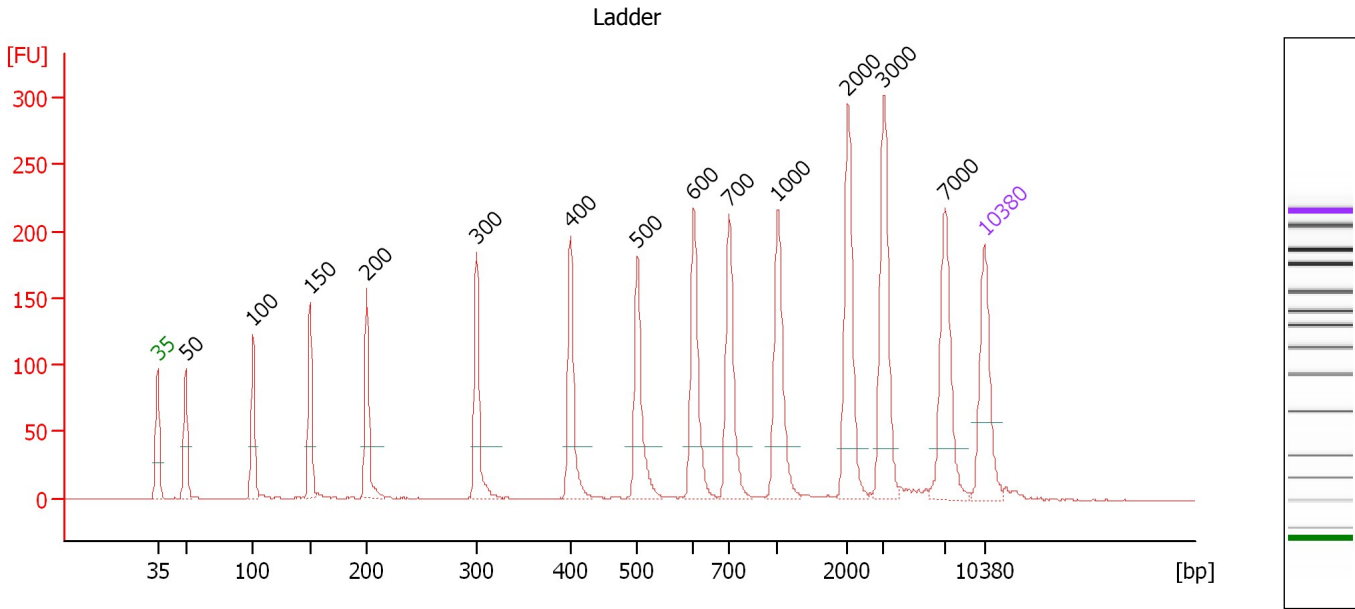
**Ladder**

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...pert\data\2018-06-12\2018-06-12\_002\_LibPrep05\_LibPrep06.xad

Created: 6/12/2018 5:27:46 PM  
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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.4

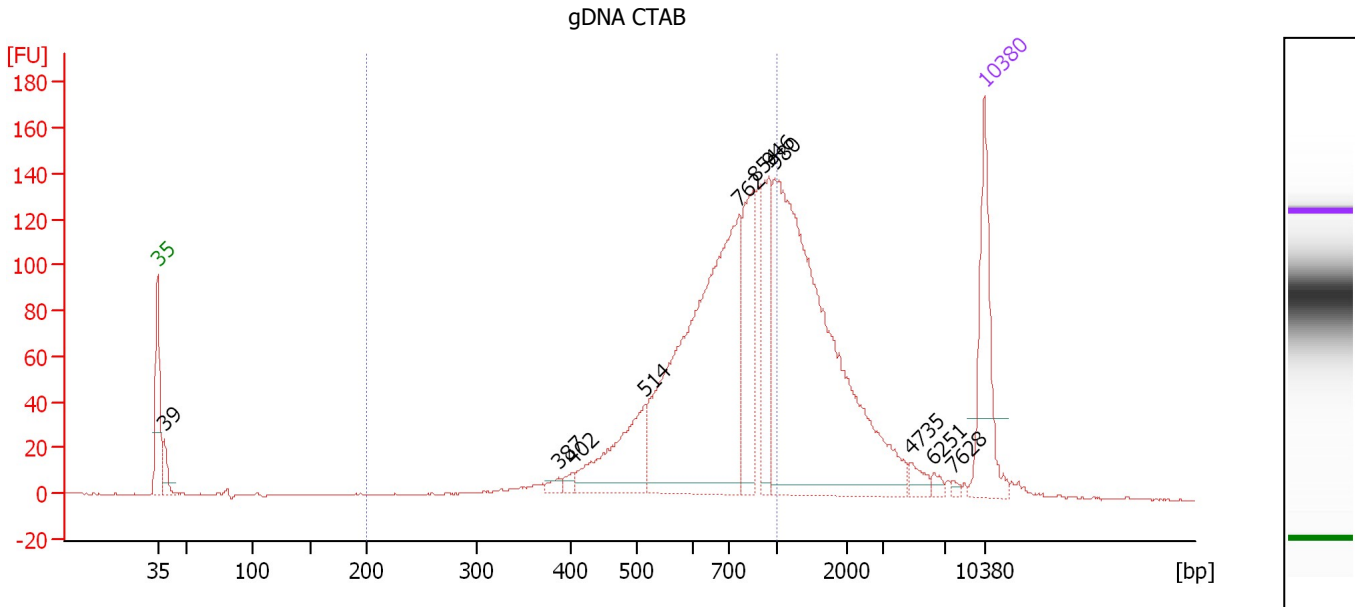
**Peak table for Ladder**

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	45.36
3	100	150.00	2,272.7	Ladder Peak	51.10
4	150	150.00	1,515.2	Ladder Peak	55.91
5	200	150.00	1,136.4	Ladder Peak	60.72
6	300	150.00	757.6	Ladder Peak	70.02
7	400	150.00	568.2	Ladder Peak	77.98
8	500	150.00	454.5	Ladder Peak	83.62
9	600	150.00	378.8	Ladder Peak	88.39
10	700	150.00	324.7	Ladder Peak	91.39
11	1,000	150.00	227.3	Ladder Peak	95.51
12	2,000	150.00	113.6	Ladder Peak	101.43
13	3,000	150.00	75.8	Ladder Peak	104.49
14	7,000	150.00	32.5	Ladder Peak	109.67
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...pert\data\2018-06-12\2018-06-12\_002\_LibPrep05\_LibPrep06.xad

Created: 6/12/2018 5:27:46 PM  
 Modified: 6/13/2018 7:50:44 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : gDNA CTAB**

Number of peaks found: 11                      Corr. Area 1: 1,452.5  
 Noise: 0.4

**Peak table for sample 1 : gDNA CTAB**

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	39	26.41	1,037.6		43.56
3	387	6.69	26.2		76.95
4	402	6.73	25.4		78.07
5	514	99.92	294.5		84.29
6	762	425.99	847.6		92.24
7	854	99.07	175.9		93.50
8	946	72.78	116.6		94.76
9	980	458.82	709.7		95.23
10	4,735	10.23	3.3		106.73
11	6,251	4.75	1.2		108.70
12	7,628	2.42	0.5		110.29
13	10,380	75.00	10.9	Upper Marker	113.00

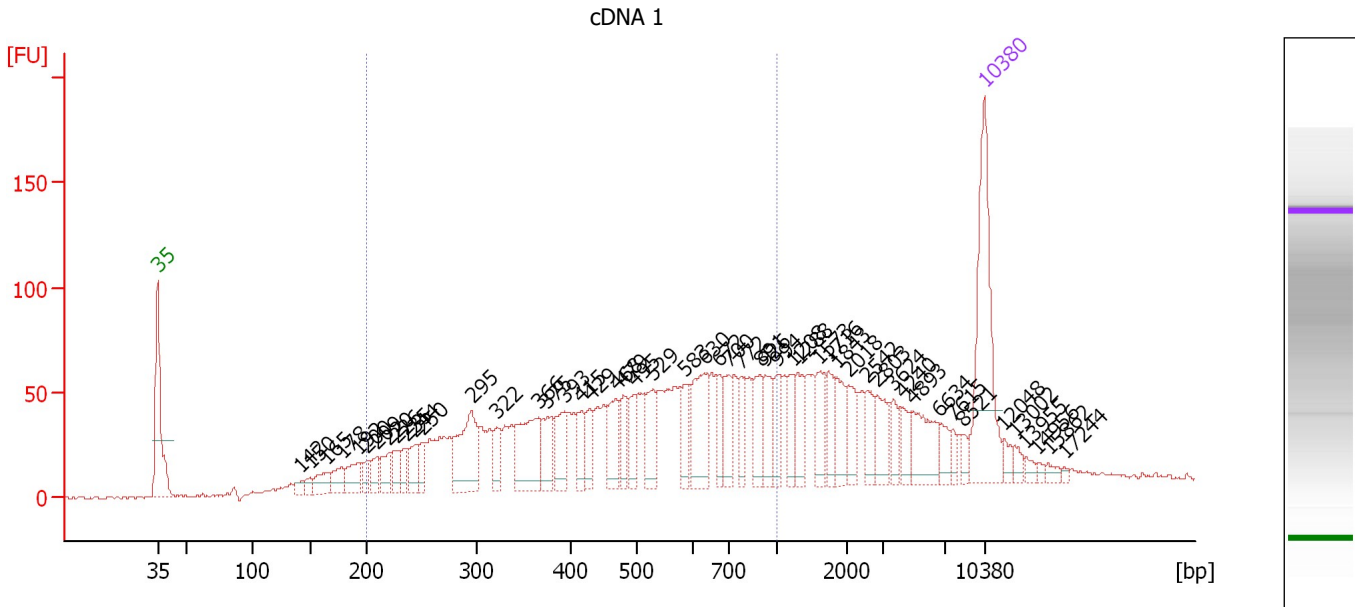
**Region table for sample 1 : gDNA CTAB**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	691	865.35	1,452.5	2,080.6	63	24.2

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...pert\data\2018-06-12\2018-06-12\_002\_LibPrep05\_LibPrep06.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : cDNA 1**

Number of peaks found: 51                      Corr. Area 1: 1,701.3  
 Noise: 0.7

**Peak table for sample 2 : cDNA 1**

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	142	6.13	65.3		55.17
3	150	7.16	72.3		55.92
4	165	17.20	157.7		57.38
5	178	14.46	122.8		58.64
6	192	18.71	147.6		59.96
7	200	10.78	81.7		60.71
8	209	13.99	101.4		61.56
9	220	17.49	120.7		62.54
10	226	14.16	94.9		63.15
11	235	12.37	79.7		64.00
12	244	18.05	112.1		64.80
13	250	14.58	88.2		65.41
14	295	57.00	292.4		69.59
15	322	16.83	79.3		71.75
16	366	53.26	220.5		75.28
17	375	24.00	96.9		76.03
18	393	24.20	93.3		77.44
19	415	17.22	62.8		78.85
20	429	17.36	61.4		79.60
21	468	27.29	88.4		81.81
22	479	18.03	57.0		82.46
23	495	20.62	63.1		83.36
24	529	25.67	73.5		85.00
25	583	16.30	42.4		87.58

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...pert\data\2018-06-12\2018-06-12\_002\_LibPrep05\_LibPrep06.xad

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**Electropherogram Summary Continued ...**

**... Peak table for sample 2 : cDNA 1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	630	42.31	101.8		89.28
27	672	18.83	42.5		90.54
28	700	20.18	43.7		91.39
29	772	17.70	34.8		92.38
30	891	21.32	36.2		94.02
31	926	19.71	32.3		94.49
32	994	18.00	27.4		95.43
33	1,208	15.15	19.0		96.74
34	1,288	18.13	21.3		97.21
35	1,573	18.48	17.8		98.91
36	1,716	12.83	11.3		99.75
37	1,843	17.97	14.8		100.50
38	2,018	15.60	11.7		101.49
39	2,542	13.82	8.2		103.09
40	2,803	19.02	10.3		103.89
41	3,624	11.18	4.7		105.30
42	4,240	10.94	3.9		106.09
43	4,893	26.39	8.2		106.94
44	6,634	9.26	2.1		109.19
45	7,615	5.36	1.1		110.28
46	8,521	5.19	0.9		111.17
47	10,380	75.00	10.9	Upper Marker	113.00
48	12,048	0.00	0.0		114.64
49	13,002	0.00	0.0		115.58
50	13,955	0.00	0.0		116.52
51	14,956	0.00	0.0		117.51
52	15,862	0.00	0.0		118.40
53	17,244	0.00	0.0		119.77

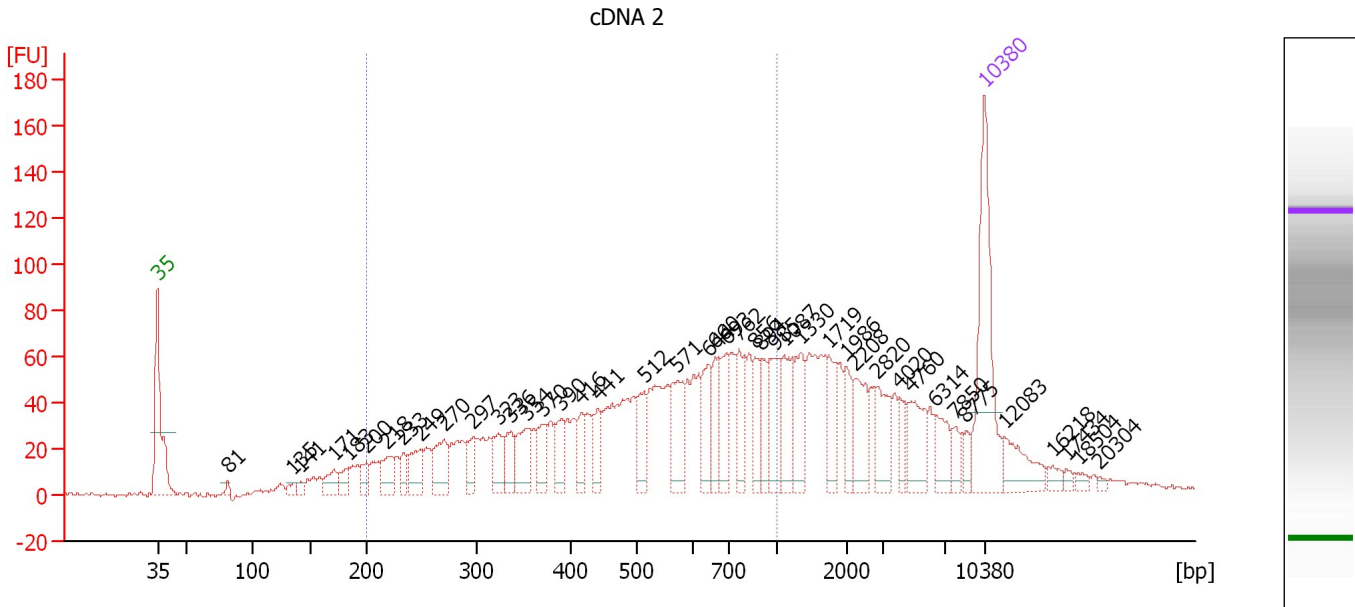
**Region table for sample 2 : cDNA 1**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	506	870.90	1,701.3	3,304.0	65	39.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...pert\data\2018-06-12\2018-06-12\_002\_LibPrep05\_LibPrep06.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : cDNA 2**

Number of peaks found: 43                      Corr. Area 1: 1,574.9  
 Noise: 0.8

**Peak table for sample 3 : cDNA 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	81	3.86	72.0		48.95
3	135	6.13	68.8		54.46
4	141	4.99	53.5		55.08
5	171	14.77	131.0		57.91
6	183	13.14	108.7		59.11
7	200	13.15	99.7		60.69
8	218	22.72	157.7		62.42
9	233	12.16	79.0		63.81
10	249	25.93	158.0		65.25
11	270	30.90	173.2		67.26
12	297	16.36	83.4		69.75
13	323	21.91	102.9		71.82
14	336	19.74	88.9		72.92
15	354	30.71	131.5		74.31
16	370	20.82	85.4		75.55
17	390	21.13	82.1		77.18
18	416	15.89	57.9		78.86
19	441	17.55	60.3		80.30
20	512	25.81	76.4		84.18
21	571	36.60	97.1		87.01
22	644	30.12	70.9		89.70
23	660	23.67	54.4		90.18
24	693	29.83	65.2		91.18
25	762	25.64	51.0		92.24



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...pert\data\2018-06-12\2018-06-12\_002\_LibPrep05\_LibPrep06.xad

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**Electropherogram Summary Continued ...**

**... Peak table for sample 3 : cDNA 2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
26	856	20.36	36.0		93.53
27	894	21.19	35.9		94.06
28	985	32.01	49.2		95.31
29	1,087	29.89	41.7		96.03
30	1,330	30.07	34.3		97.47
31	1,719	20.01	17.6		99.77
32	1,986	17.24	13.2		101.35
33	2,208	25.40	17.4		102.07
34	2,820	26.29	14.1		103.94
35	4,020	10.38	3.9		105.81
36	4,760	25.49	8.1		106.77
37	6,314	18.98	4.6		108.78
38	7,850	8.35	1.6		110.51
39	8,775	7.19	1.2		111.42
40	10,380	75.00	10.9	Upper Marker	113.00
41	12,083	0.00	0.0		114.68
42	16,218	0.00	0.0		118.75
43	17,434	0.00	0.0		119.95
44	18,504	0.00	0.0		121.01
45	20,304	0.00	0.0		122.78

**Region table for sample 3 : cDNA 2**

From [bp]	To [bp]	Average Size [bp]	Conc. [pg/μl]	Corr. Area	Molarity [pmol/l]	Co % of lor Total	Size distribution in CV [%]
200	1,000	528	919.01	1,574.9	3,345.2	61	38.4

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...pert\data\2018-06-12\2018-06-12\_002\_LibPrep05\_LibPrep06.xad

Created: 6/12/2018 5:27:46 PM  
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**Gel Image**

