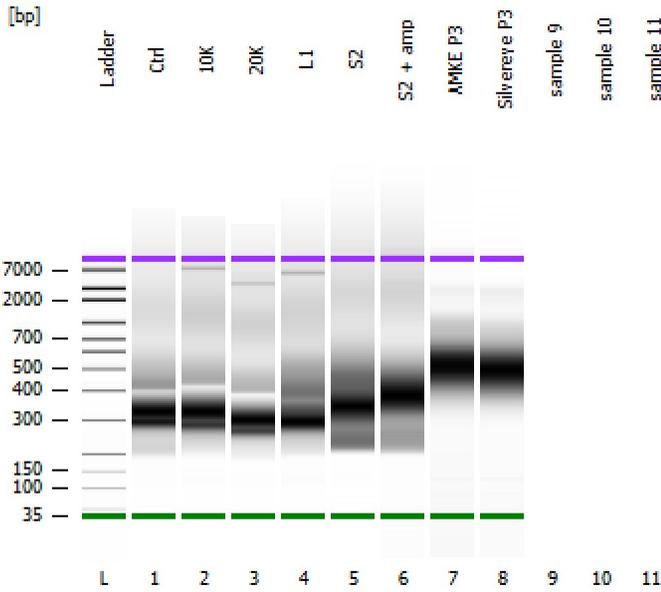


Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901273\_2017-01-25\_15-52-24.xad

Created: 1/25/2017 3:52:24 PM  
 Modified: 1/25/2017 4:34:42 PM

**Electrophoresis File Run Summary**



Instrument Information:

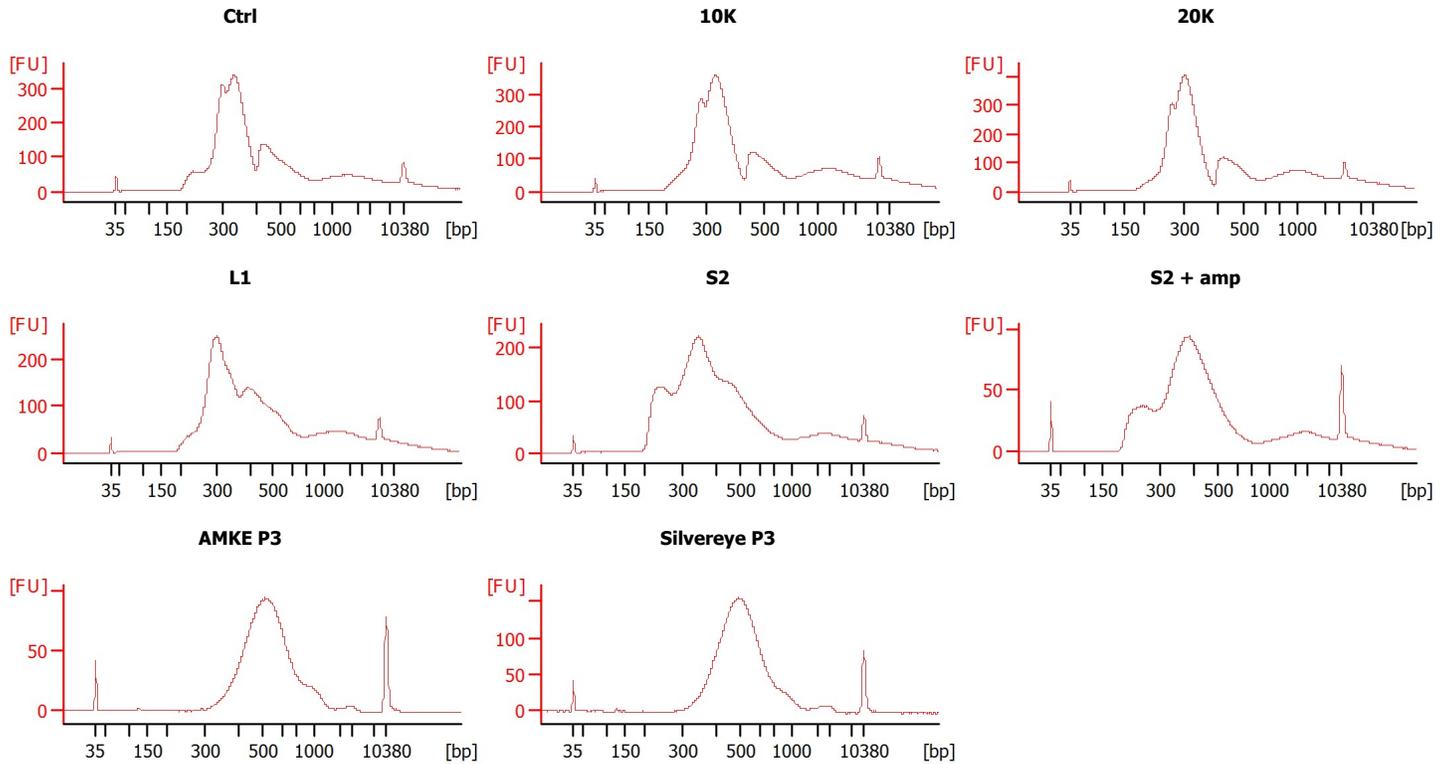
Instrument Name: DE72901273      Firmware: C.01.069  
 Serial#: DE72901273      Type: G2939A

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:\...gh Sensitivity DNA Assay\_DE72901273\_2017-01-25\_15-52-24.xad

Created: 1/25/2017 3:52:24 PM  
 Modified: 1/25/2017 4:34:42 PM

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

Sample Name	Sample Comment	Rest. Digest	Status Observations	Result Label	Result Color
Ctrl		<input type="checkbox"/>	✓		
10K		<input type="checkbox"/>	✓		
20K		<input type="checkbox"/>	✓		
L1		<input type="checkbox"/>	✓		
S2		<input type="checkbox"/>	✓		
S2 + amp		<input type="checkbox"/>	✓		
AMKE P3		<input type="checkbox"/>	✓		
Silvereye P3		<input type="checkbox"/>	✓		
sample 9		<input type="checkbox"/>			
sample 10		<input type="checkbox"/>			
sample 11		<input type="checkbox"/>			
Ladder		<input type="checkbox"/>	✓		

**Chip Lot #**

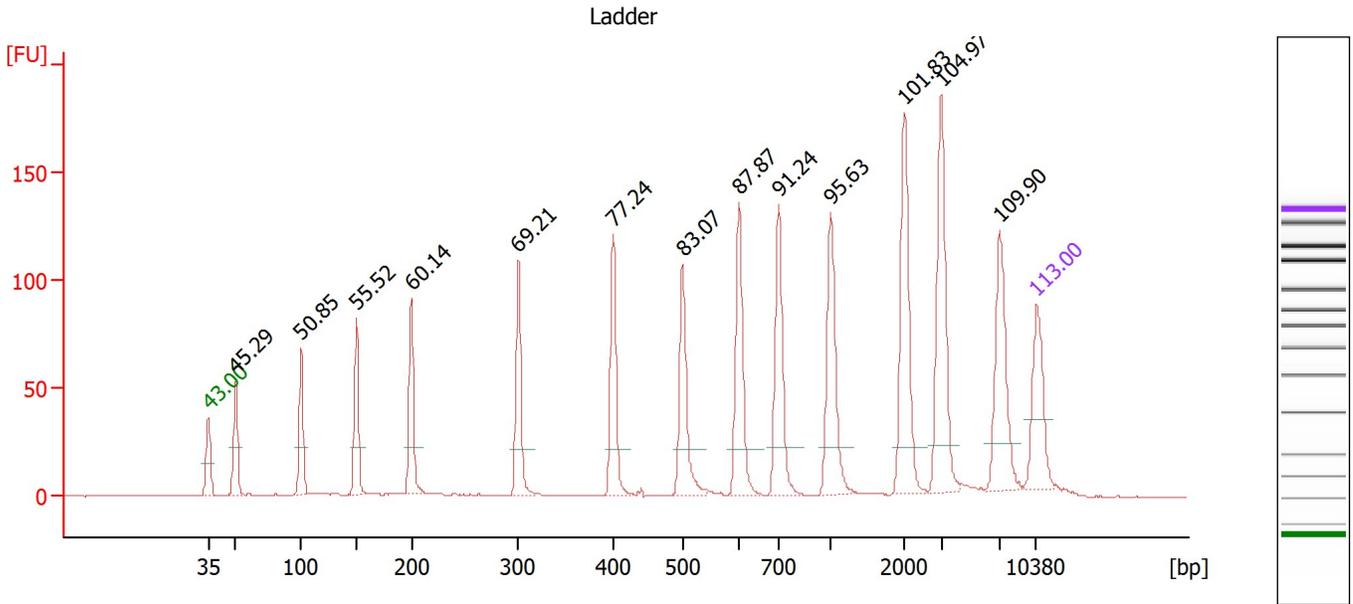
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901273\_2017-01-25\_15-52-24.xad

Created: 1/25/2017 3:52:24 PM  
 Modified: 1/25/2017 4:34:42 PM

**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

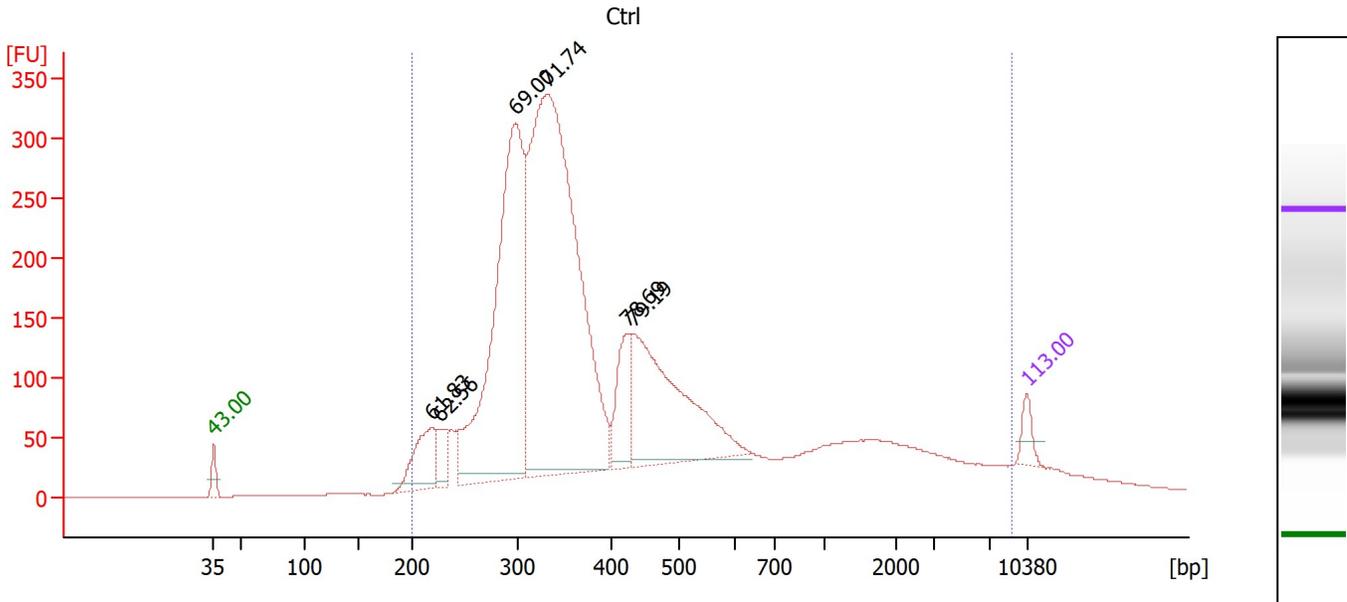
**Peak table for Ladder**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	50	150.00	4,545.5	Ladder Peak
3	100	150.00	2,272.7	Ladder Peak
4	150	150.00	1,515.2	Ladder Peak
5	200	150.00	1,136.4	Ladder Peak
6	300	150.00	757.6	Ladder Peak
7	400	150.00	568.2	Ladder Peak
8	500	150.00	454.5	Ladder Peak
9	600	150.00	378.8	Ladder Peak
10	700	150.00	324.7	Ladder Peak
11	1,000	150.00	227.3	Ladder Peak
12	2,000	150.00	113.6	Ladder Peak
13	3,000	150.00	75.8	Ladder Peak
14	7,000	150.00	32.5	Ladder Peak
15	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901273\_2017-01-25\_15-52-24.xad

Created: 1/25/2017 3:52:24 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : Ctrl**

Number of peaks found: 6                      Corr. Area 1: 6,069.7  
 Noise: 0.2

**Peak table for sample 1 : Ctrl**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	219	443.39	3,073.5	
3	227	201.79	1,349.0	
4	298	3,020.28	15,370.6	
5	332	4,634.75	21,179.6	
6	425	374.17	1,334.5	
7	433	1,349.67	4,717.9	
8	10,380	75.00	10.9	Upper Marker

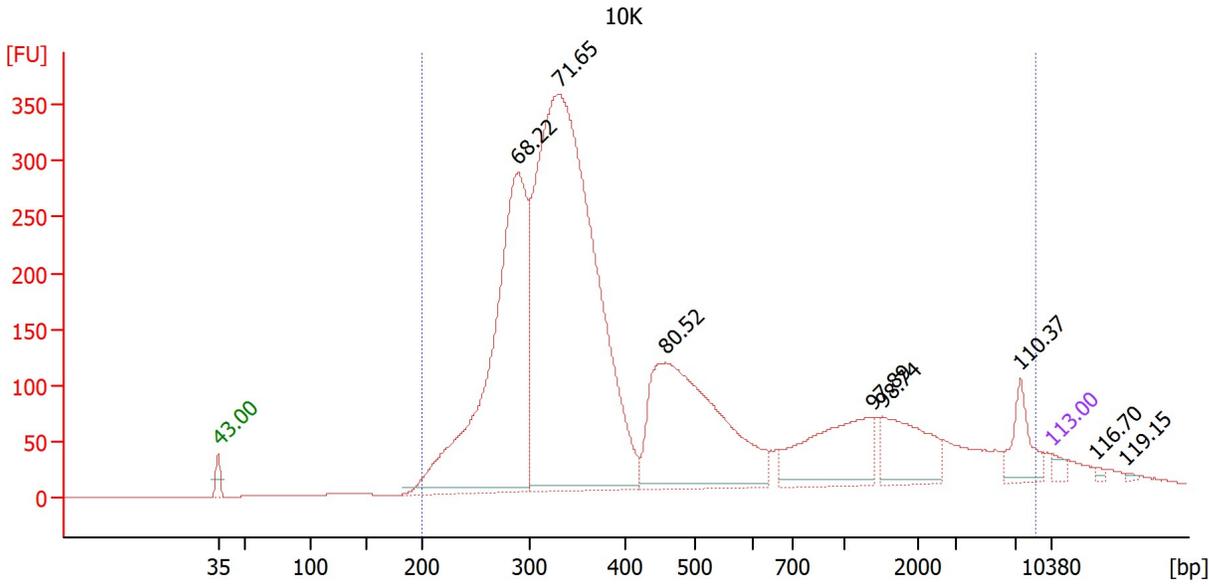
**Region table for sample 1 : Ctrl**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	9,000	6,069.7	98	683	100.0	12,635.56	53,267.1	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901273\_2017-01-25\_15-52-24.xad

Created: 1/25/2017 3:52:24 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : 10K**

Number of peaks found: 8                      Corr. Area 1: 6,588.0  
 Noise: 0.3

**Peak table for sample 2 : 10K**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	289	6,596.30	34,567.4	
3	330	11,822.54	54,208.4	
4	456	3,708.91	12,317.3	
5	1,365	1,181.77	1,311.7	
6	1,502	792.14	799.2	
7	7,510	395.04	79.7	
8	10,380	75.00	10.9	Upper Marker
9	14,417	0.00	0.0	
10	17,093	0.00	0.0	

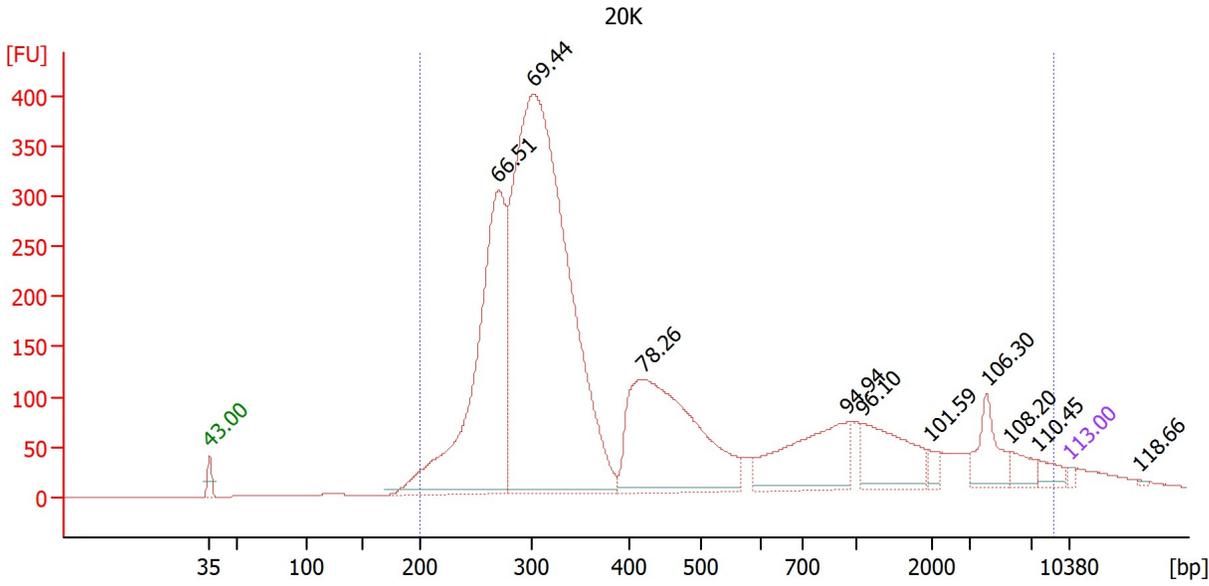
**Region table for sample 2 : 10K**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	9,000	6,588.0	98	844	100.0	25,049.11	103,343.0	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901273\_2017-01-25\_15-52-24.xad

Created: 1/25/2017 3:52:24 PM  
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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : 20K**

Number of peaks found: 10                      Corr. Area 1: 6,715.5  
 Noise: 0.2

**Peak table for sample 3 : 20K**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	270	14,329.36	80,345.0	
3	303	30,515.66	152,603.7	
4	418	8,708.27	31,601.6	
5	952	3,161.46	5,029.0	
6	1,076	2,228.71	3,138.5	
7	1,962	241.28	186.3	
8	4,081	1,036.50	384.8	
9	5,622	430.77	116.1	
10	7,597	330.01	65.8	
11	10,380	75.00	10.9	Upper Marker
12	16,559	0.00	0.0	

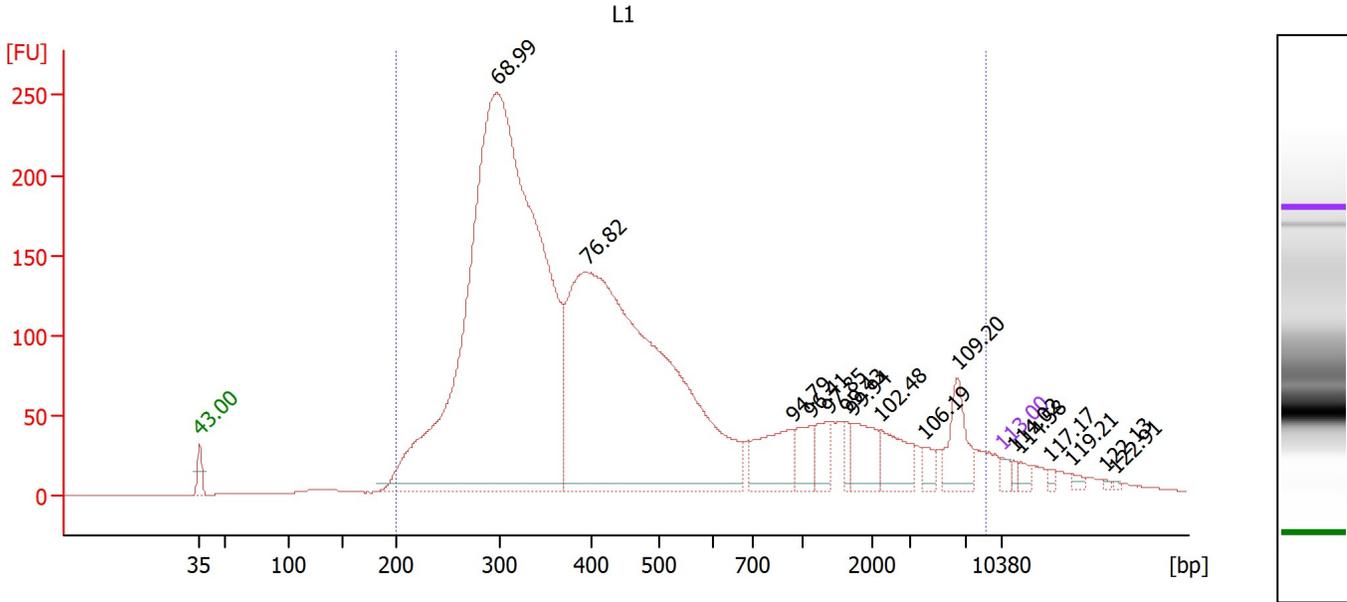
**Region table for sample 3 : 20K**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	9,000	6,715.5	98	775	100.0	61,233.31	266,944.3	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901273\_2017-01-25\_15-52-24.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : L1**

Number of peaks found: 16                      Corr. Area 1: 5,349.0  
 Noise: 0.2

**Peak table for sample 4 : L1**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	298	18,886.87	96,150.9	
3	395	11,100.22	42,601.2	
4	943	753.13	1,210.6	
5	1,126	338.40	455.3	
6	1,358	293.96	328.0	
7	1,612	123.05	115.6	
8	1,695	474.35	424.1	
9	2,209	437.12	299.8	
10	3,990	125.77	47.8	
11	6,431	505.96	119.2	
12	10,380	75.00	10.9	Upper Marker
13	11,493	0.00	0.0	
14	12,100	0.00	0.0	
15	14,932	0.00	0.0	
16	17,157	0.00	0.0	
17	20,343	0.00	0.0	
18	21,203	0.00	0.0	

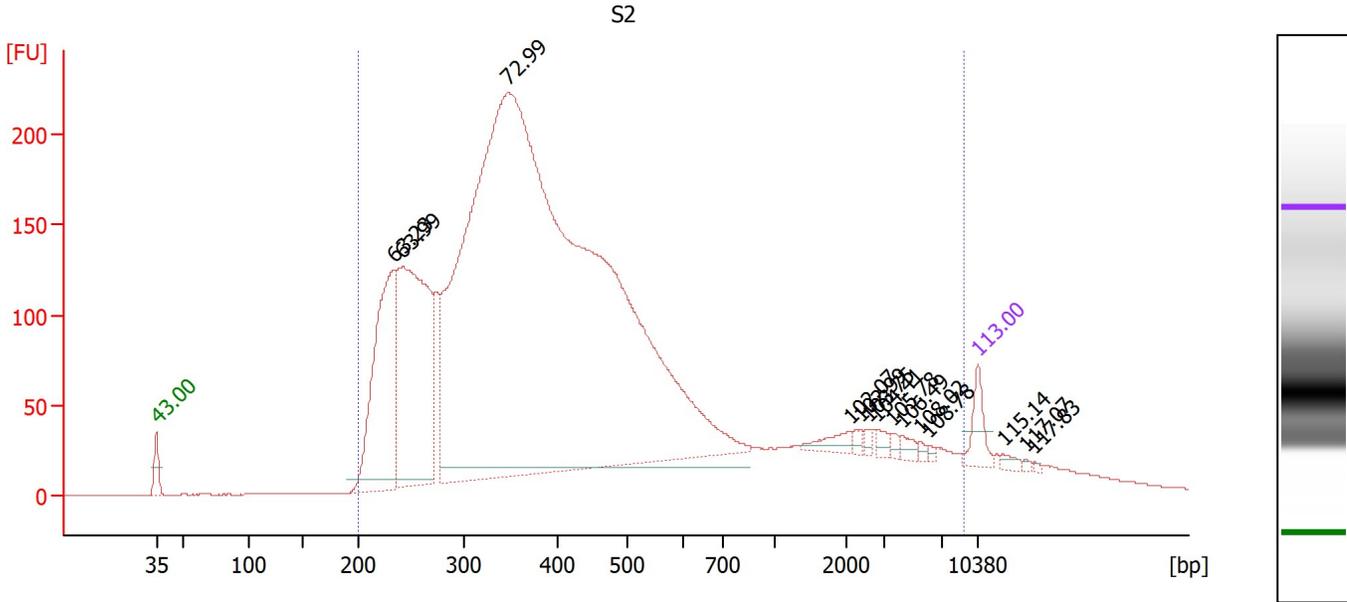
**Region table for sample 4 : L1**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	9,000	5,349.0	96	835	100.0	33,280.39	134,842.4	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901273\_2017-01-25\_15-52-24.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : S2**

Number of peaks found: 14                      Corr. Area 1: 5,593.4  
 Noise: 0.2

**Peak table for sample 5 : S2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	234	919.28	5,949.7	
3	243	1,333.10	8,328.7	
4	347	7,657.24	33,419.8	
5	2,078	44.41	32.4	
6	2,369	16.17	10.3	
7	2,612	13.20	7.7	
8	2,822	23.05	12.4	
9	3,659	15.77	6.5	
10	4,236	22.25	8.0	
11	5,472	10.02	2.8	
12	6,090	7.65	1.9	
13	10,380	75.00	10.9	Upper Marker
14	12,711	0.00	0.0	
15	14,820	0.00	0.0	
16	15,652	0.00	0.0	

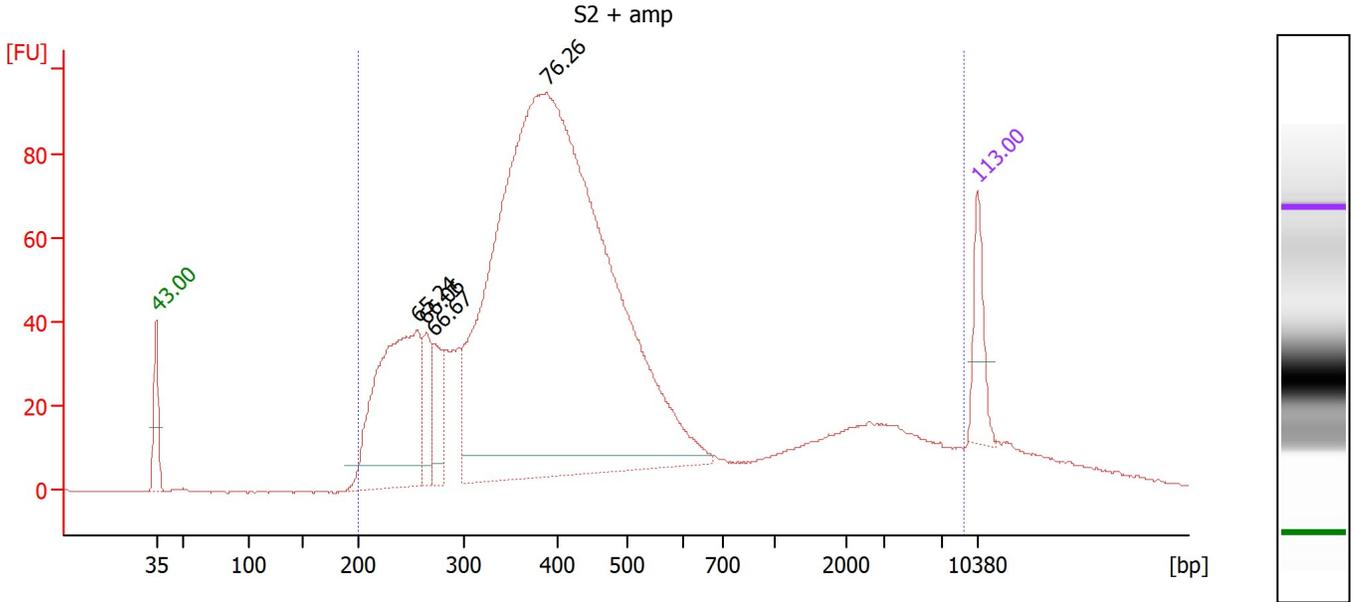
**Region table for sample 5 : S2**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	9,000	5,593.4	97	717	100.0	11,414.79	47,998.1	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901273\_2017-01-25\_15-52-24.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 6 : S2 + amp**

Number of peaks found: 4                      Corr. Area 1: 2,127.7  
 Noise: 0.2

**Peak table for sample 6 : S2 + amp**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	256	603.28	3,567.0	
3	265	111.24	635.3	
4	272	101.85	567.1	
5	388	2,835.18	11,077.0	
6	10,380	75.00	10.9	Upper Marker

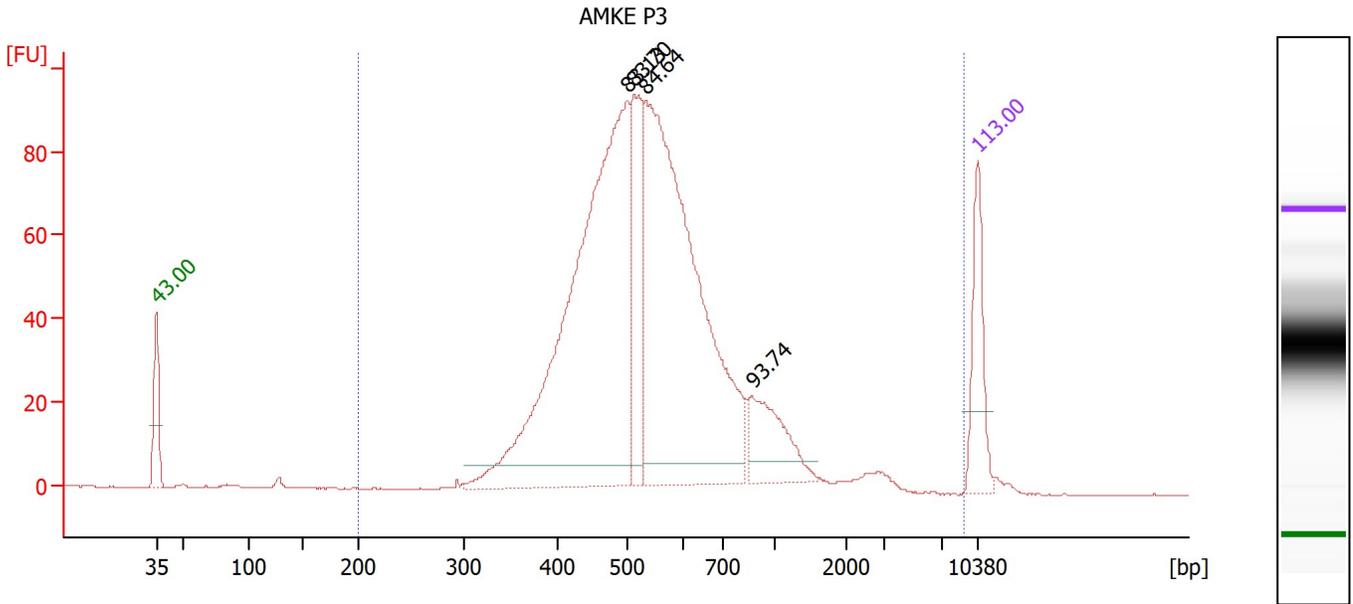
**Region table for sample 6 : S2 + amp**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	9,000	2,127.7	95	788	100.0	4,534.02	18,299.0	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901273\_2017-01-25\_15-52-24.xad

Created: 1/25/2017 3:52:24 PM  
 Modified: 1/25/2017 4:34:42 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : AMKE P3**

Number of peaks found: 4                      Corr. Area 1: 1,452.0  
 Noise: 0.2

**Peak table for sample 7 : AMKE P3**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	501	884.09	2,672.8	
3	513	162.48	479.8	
4	533	776.24	2,208.3	
5	871	99.00	172.2	
6	10,380	75.00	10.9	Upper Marker

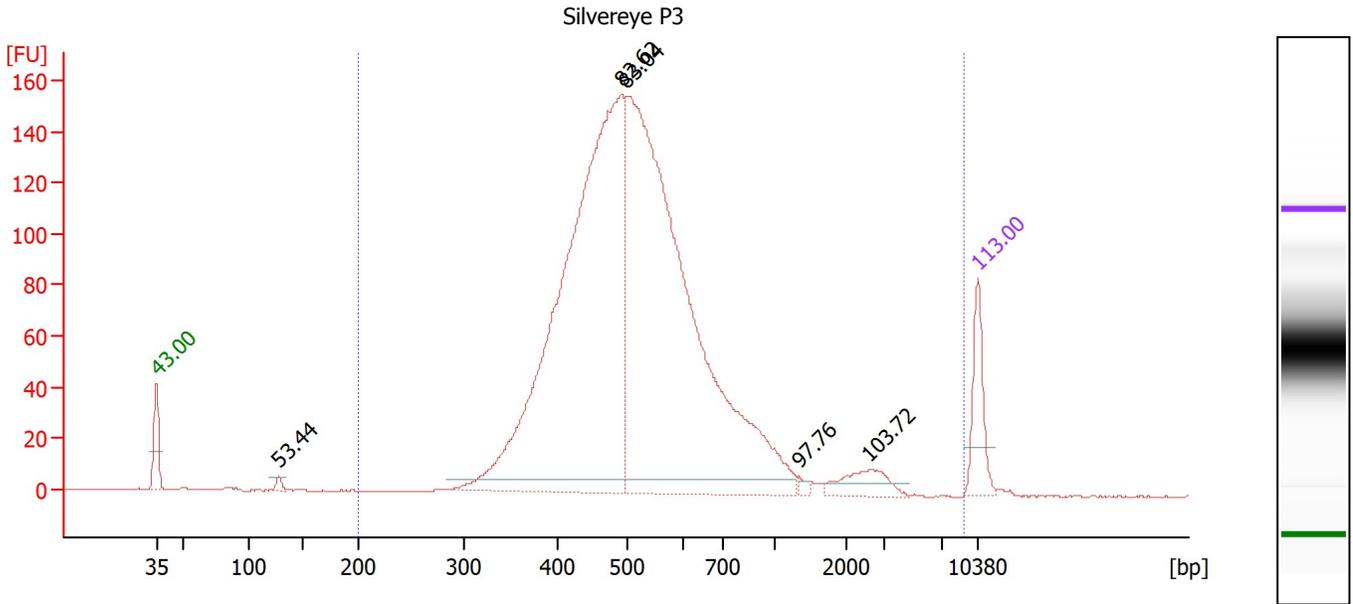
**Region table for sample 7 : AMKE P3**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	9,000	1,452.0	99	606	61.1	2,024.20	5,890.6	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901273\_2017-01-25\_15-52-24.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : Silvereye P3**

Number of peaks found: 5                      Corr. Area 1: 2,317.7  
 Noise: 0.2

**Peak table for sample 8 : Silvereye P3**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	128	10.88	129.0	
3	492	1,550.21	4,772.0	
4	499	1,606.94	4,875.0	
5	1,342	7.22	8.1	
6	2,601	48.18	28.1	
7	10,380	75.00	10.9	Upper Marker

**Region table for sample 8 : Silvereye P3**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	9,000	2,317.7	99	576	58.8	3,142.33	9,535.5	Blue