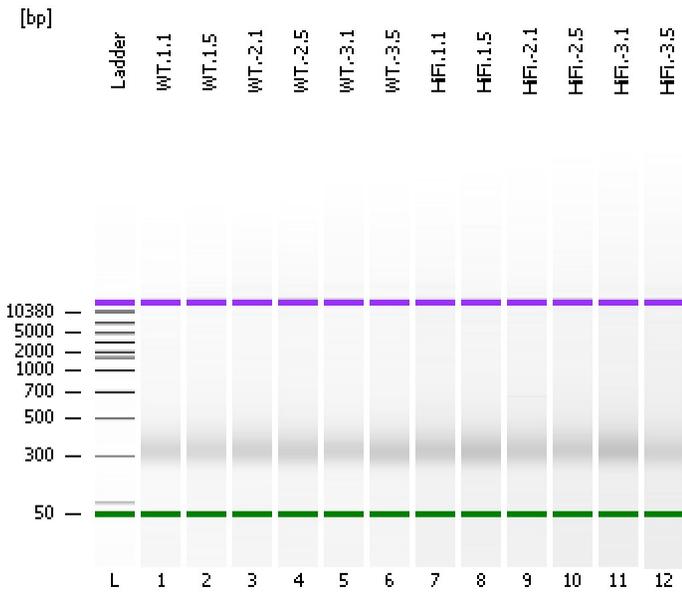


Assay Class: DNA 12000  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-21\2017-07-21\_002.xad

Created: 7/21/2017 10:46:59 AM  
Modified: 7/21/2017 11:22:01 AM

### Electrophoresis File Run Summary



#### Instrument Information:

Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

#### Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 12000 Series II.xsy

Assay Class: DNA 12000  
Version: 2.4  
Assay Comments: DNA Analysis 100 -12000 bp

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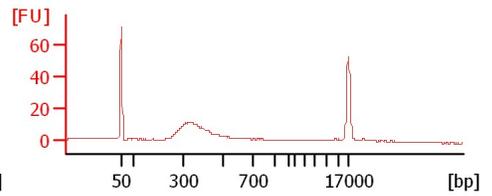
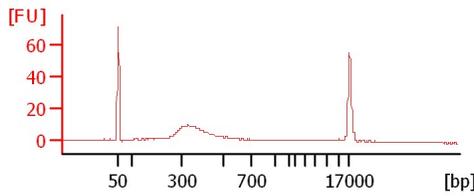
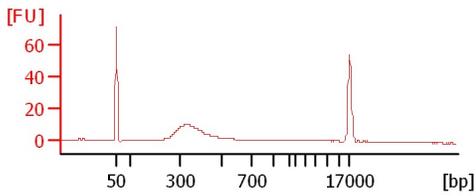
#### Chip Information:

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

WT.1.1

WT.1.5

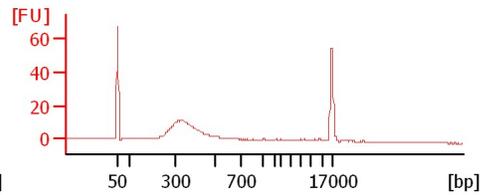
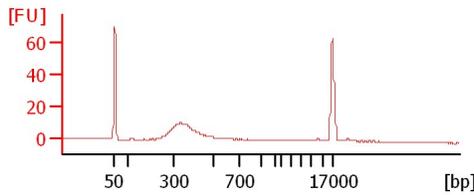
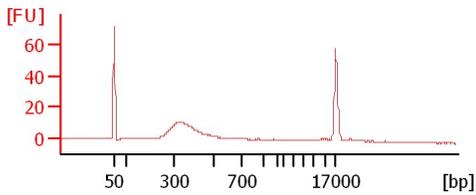
WT.-2.1



WT.-2.5

WT.-3.1

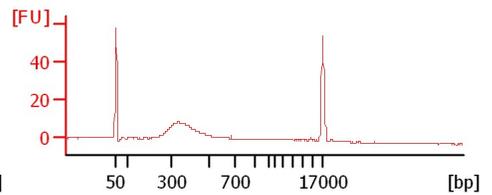
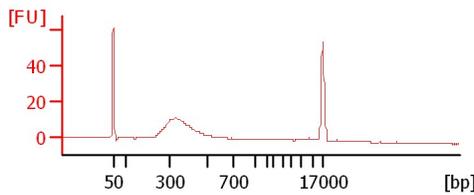
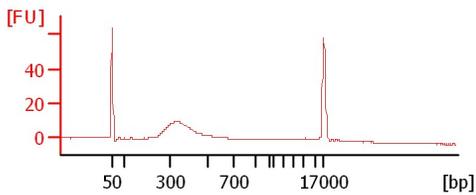
WT.-3.5



HiFi.1.1

HiFi.1.5

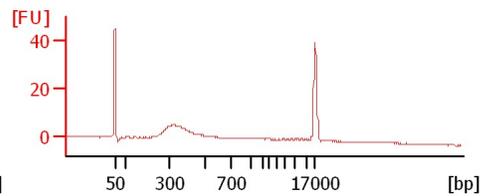
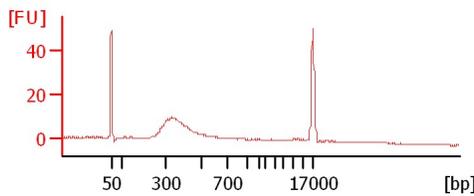
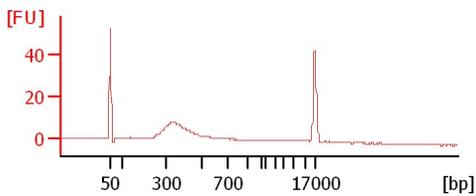
HiFi.-2.1



HiFi.-2.5

HiFi.-3.1

HiFi.-3.5



Assay Class: DNA 12000  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-21\2017-07-21\_002.xad

Created: 7/21/2017 10:46:59 AM  
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**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
WT.1.1		<input type="checkbox"/>	✓			
WT.1.5		<input type="checkbox"/>	✓			
WT.-2.1		<input type="checkbox"/>	✓			
WT.-2.5		<input type="checkbox"/>	✓			
WT.-3.1		<input type="checkbox"/>	✓			
WT.-3.5		<input type="checkbox"/>	✓			
HiFi.1.1		<input type="checkbox"/>	✓			
HiFi.1.5		<input type="checkbox"/>	✓			
HiFi.-2.1		<input type="checkbox"/>	✓			
HiFi.-2.5		<input type="checkbox"/>	✓			
HiFi.-3.1		<input type="checkbox"/>	✓			
HiFi.-3.5		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

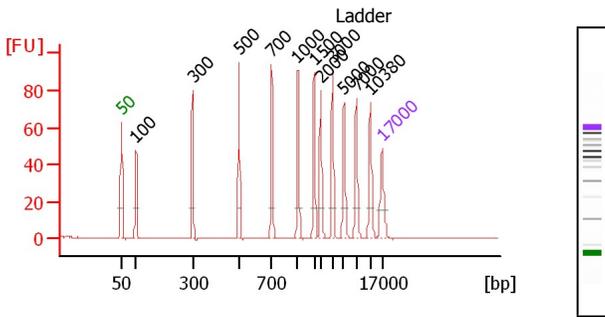
Reagent Kit Lot #

Chip Comments :

Assay Class: DNA 12000  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-21\2017-07-21\_002.xad

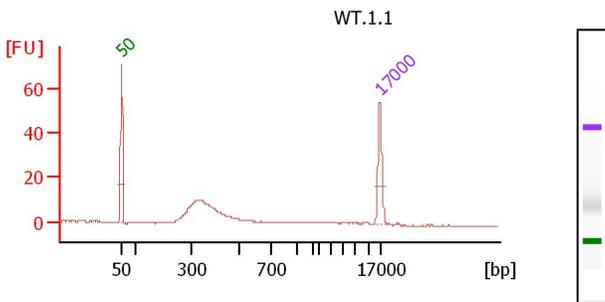
Created: 7/21/2017 10:46:59 AM  
 Modified: 7/21/2017 11:22:01 AM

**Electropherogram Summary**



**Peak table for Ladder**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	100	4.00	60.6	Ladder Peak
3	300	4.00	20.2	Ladder Peak
4	500	4.00	12.1	Ladder Peak
5	700	4.00	8.7	Ladder Peak
6	1,000	4.00	6.1	Ladder Peak
7	1,500	4.00	4.0	Ladder Peak
8	2,000	4.00	3.0	Ladder Peak
9	3,000	4.00	2.0	Ladder Peak
10	5,000	4.00	1.2	Ladder Peak
11	7,000	4.00	0.9	Ladder Peak
12	10,380	4.00	0.6	Ladder Peak
13	17,000	4.20	0.4	Upper Marker

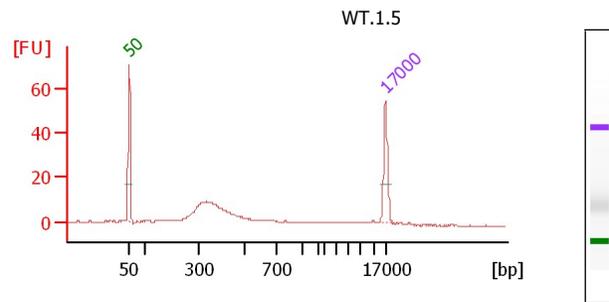


**Overall Results for sample 1 : WT.1.1**

Number of peaks found: 0

**Peak table for sample 1 : WT.1.1**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker



**Overall Results for sample 2 : WT.1.5**

Number of peaks found: 0

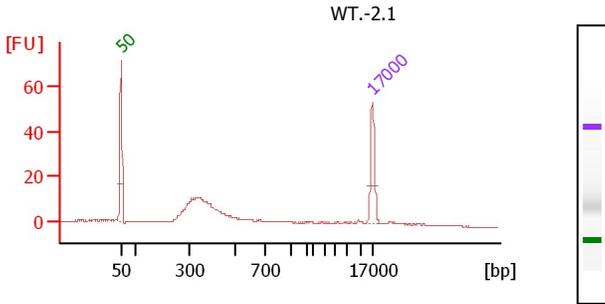
**Peak table for sample 2 : WT.1.5**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-21\2017-07-21\_002.xad

Created: 7/21/2017 10:46:59 AM  
 Modified: 7/21/2017 11:22:01 AM

**Electropherogram Summary Continued ...**

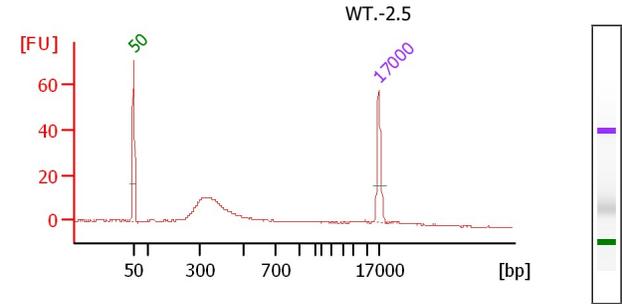


**Overall Results for sample 3 : WT.-2.1**

Number of peaks found: 0

**Peak table for sample 3 : WT.-2.1**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

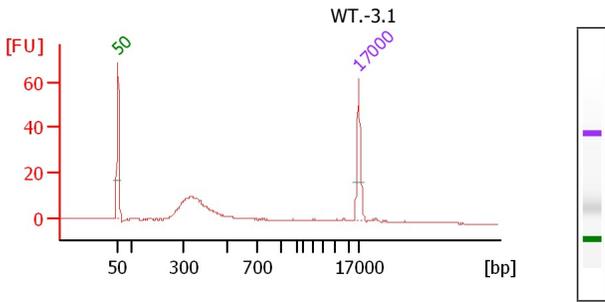


**Overall Results for sample 4 : WT.-2.5**

Number of peaks found: 0

**Peak table for sample 4 : WT.-2.5**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

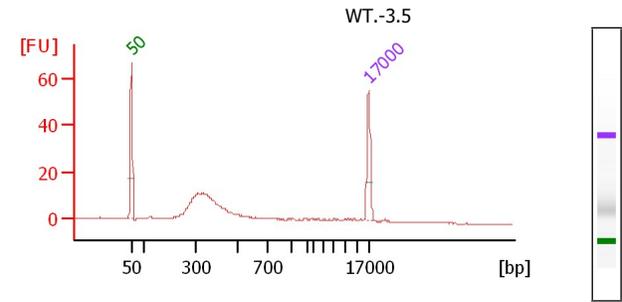


**Overall Results for sample 5 : WT.-3.1**

Number of peaks found: 0

**Peak table for sample 5 : WT.-3.1**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker



**Overall Results for sample 6 : WT.-3.5**

Number of peaks found: 0

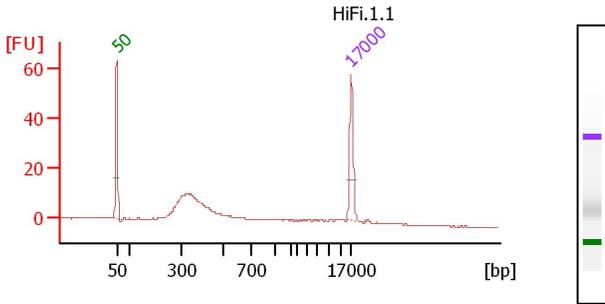
**Peak table for sample 6 : WT.-3.5**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-21\2017-07-21\_002.xad

Created: 7/21/2017 10:46:59 AM  
 Modified: 7/21/2017 11:22:01 AM

**Electropherogram Summary Continued ...**

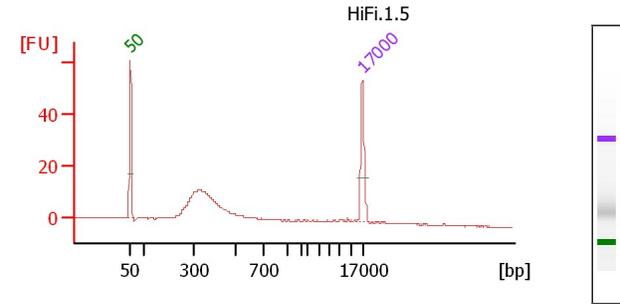


**Overall Results for sample 7 : HiFi.1.1**

Number of peaks found: 0

**Peak table for sample 7 : HiFi.1.1**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

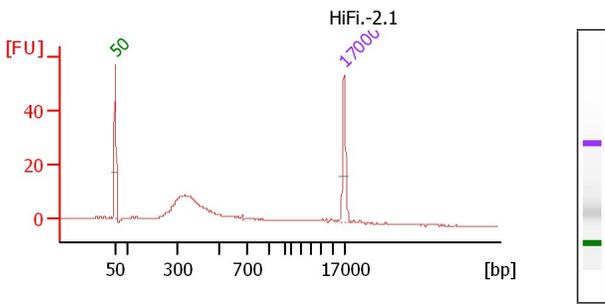


**Overall Results for sample 8 : HiFi.1.5**

Number of peaks found: 0

**Peak table for sample 8 : HiFi.1.5**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

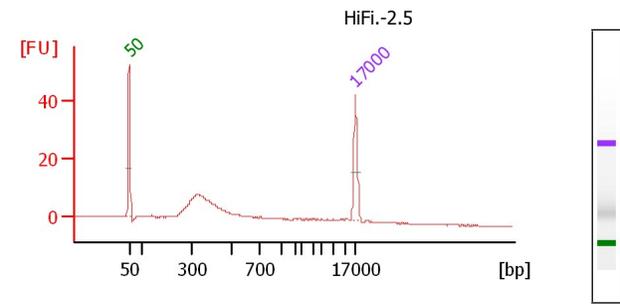


**Overall Results for sample 9 : HiFi.-2.1**

Number of peaks found: 0

**Peak table for sample 9 : HiFi.-2.1**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker



**Overall Results for sample 10 : HiFi.-2.5**

Number of peaks found: 0

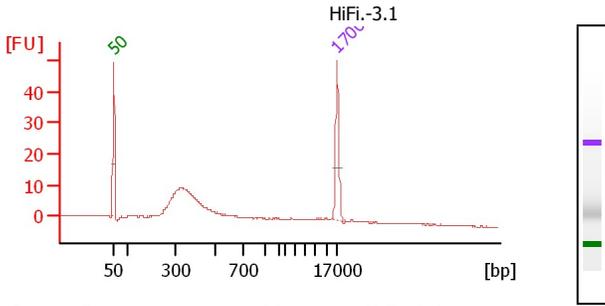
**Peak table for sample 10 : HiFi.-2.5**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-21\2017-07-21\_002.xad

Created: 7/21/2017 10:46:59 AM  
Modified: 7/21/2017 11:22:01 AM

**Electropherogram Summary Continued ...**

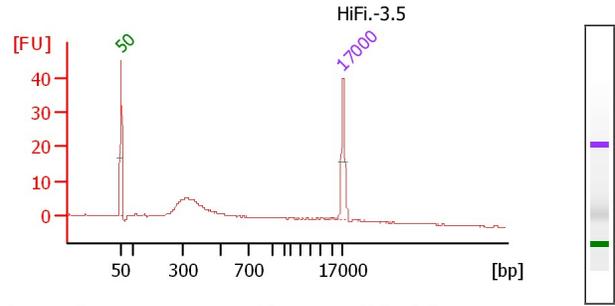


**Overall Results for sample 11 : HiFi.-3.1**

Number of peaks found: 0

**Peak table for sample 11 : HiFi.-3.1**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker



**Overall Results for sample 12 : HiFi.-3.5**

Number of peaks found: 0

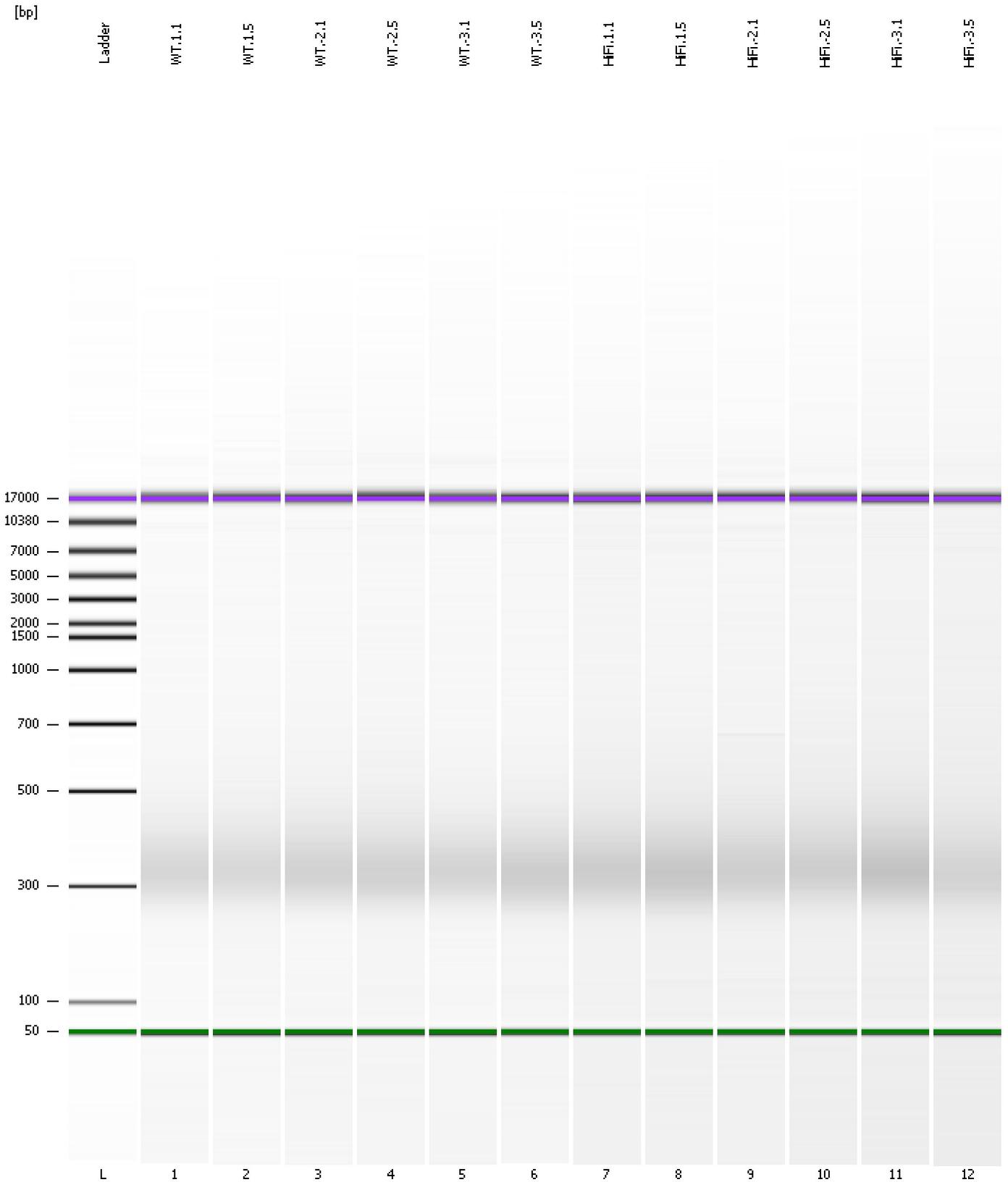
**Peak table for sample 12 : HiFi.-3.5**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-21\2017-07-21\_002.xad

Created: 7/21/2017 10:46:59 AM  
Modified: 7/21/2017 11:22:01 AM

**Gel Image**



Assay Class: DNA 12000  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-07-21\2017-07-21\_002.xad

Created: 7/21/2017 10:46:59 AM  
Modified: 7/21/2017 11:22:01 AM

**Curves**

**Standard Curve**

