

Created: 10/19/2017 10:17:10 AM Modified: 10/19/2017 10:58:27 AM

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### Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 1			$\checkmark$			
sample 2			×			
sample 3			$\sim$			
sample 4			$\sim$			
sample 5			$\sim$			
sample 6			$\sim$			
sample 7			$\sim$			
sample 8			$\sim$			
sample 9			$\sim$			
sample 10			$\sim$			
sample 11			$\sim$			
Ladder			× .			
Chip Lot #			Reag	ent Kit Lot #		

Chip Comments :

### 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] : 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

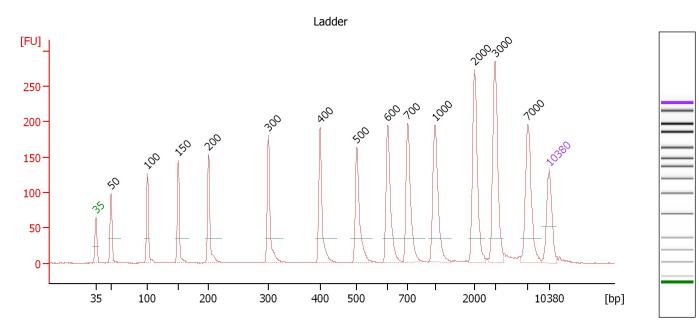
### Ladder

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

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### **Electropherogram Summary**



### **Overall Results for Ladder**

Noise:

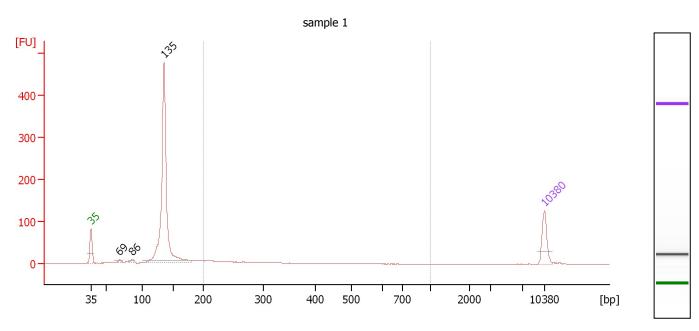
0.1

### Peak table for Ladder

Pea k	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	45.32
3	100	150.00	2,272.7	Ladder Peak	50.94
4	150	150.00	1,515.2	Ladder Peak	55.72
5	200	150.00	1,136.4	Ladder Peak	60.41
6	300	150.00	757.6	Ladder Peak	69.62
7	400	150.00	568.2	Ladder Peak	77.61
8	500	150.00	454.5	Ladder Peak	83.26
9	600	150.00	378.8	Ladder Peak	88.04
10	700	150.00	324.7	Ladder Peak	91.11
11	1,000	150.00	227.3	Ladder Peak	95.37
12	2,000	150.00	113.6	Ladder Peak	101.42
13	3,000	150.00	75.8	Ladder Peak	104.62
14	7,000	150.00	32.5	Ladder Peak	109.67
15	10,380	75.00	10.9	Upper Marker	113.00

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### Electropherogram Summary Continued ...



### Overall Results for sample 1 : <u>sample 1</u>

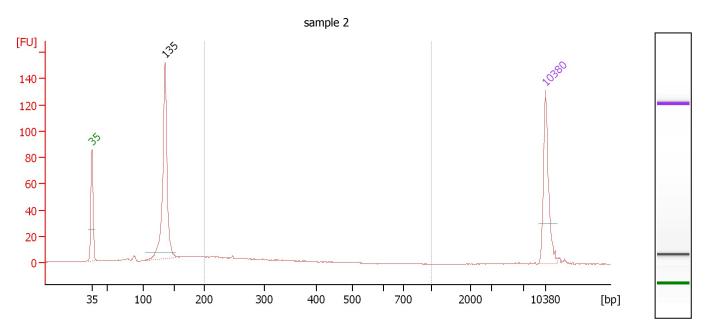
Number of peaks found:	3	Corr. Area 1:	128.7
Noise:	0.2		

### Peak table for sample 1 : <u>sample 1</u>

Pea k		Size [bp]	Conc. [pg	ı∕µI]	Molarity [pmol/	I] Observation	ns Ali	igned Migration Time [s]
1		35	125.00		5,411.3	Lower Marke	r 43	.00
2		69	12.46		273.4		47	.46
3		86	14.62		256.5		49	.41
4		135	1,175.14		13,205.5		54	.27
5		10,380	75.00		10.9	Upper Marke	r 11	3.00
Region table for sample 1 : <u>sample 1</u>								
From	I	To [bp] Ave	rage Size	Corr.	Molarity	Co Conc.	% of	Size distribution in
[bp]		[bp	]	Area	[pmol/l]	lor [pg/µl]	Total	CV [%]
200		1,000 315		128.7	833.0	152.79	12	35.3

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### Electropherogram Summary Continued ...



### Overall Results for sample 2 : <u>sample 2</u>

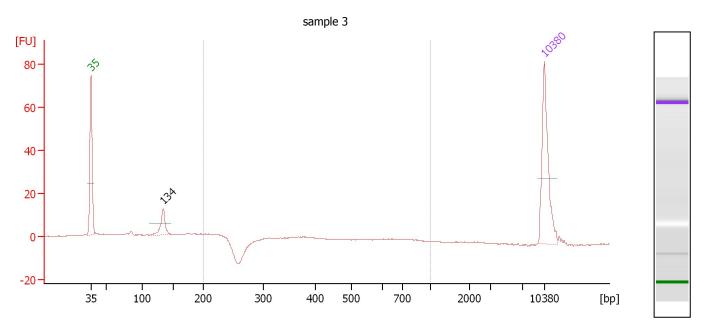
Number of peaks found:	1	Corr. Area 1:	91.9
Noise:	0.2		

Peak table for sample 2	:	sample 2
-------------------------	---	----------

	Size [bp]	Conc. [po	g/µl]	Molarity [pmol/l]	Observatio	ons A	ligned Migration Time [s	;]
•	35	125.00		5,411.3	Lower Mark	ker 4	3.00	
	135	315.73		3,534.6		5	4.32	
	10,380	75.00		10.9	Upper Mark	er 1	13.00	
on t	able for sar	nple 2:	samp	<u>le 2</u>				
	[bp	0]	<b>Corr.</b> Area 91.9	· · · · ·		<b>% of</b> Total 20	Size distribution in CV [%] 33.0	
	I ► On t	<ul> <li>35         <ul> <li>135</li> <li>10,380</li> </ul> </li> <li>In table for sar To [bp] Ave [bp]</li> </ul>	<ul> <li>35 125.00 135 315.73</li> <li>▶ 10,380 75.00</li> <li>Point table for sample 2 : To [bp] Average Size [bp]</li> </ul>	<ul> <li>35 125.00 135 315.73</li> <li>▶ 10,380 75.00</li> <li>Pointable for sample 2 : samp To [bp] Average Size Corr. [bp] Area</li> </ul>	<ul> <li>35 125.00 5,411.3 135 315.73 3,534.6</li> <li>▶ 10,380 75.00 10.9</li> <li>▶ 10 Average Size Corr. Molarity [bp] Area [pmol/l]</li> </ul>	<ul> <li>35 125.00 5,411.3 Lower Mark 135 315.73 3,534.6</li> <li>▶ 10,380 75.00 10.9 Upper Mark on table for sample 2 : <u>sample 2</u> To [bp] Average Size Corr. Molarity Co Conc. [bp] Area [pmol/l] lor [pg/µl]</li> </ul>	<ul> <li>35 125.00 5,411.3 Lower Marker 4 135 315.73 3,534.6 5</li> <li>▶ 10,380 75.00 10.9 Upper Marker 1</li> <li>■ table for sample 2 : <u>sample 2</u> To [bp] Average Size Corr. Molarity Co Conc. % of [bp] Area [pmol/I] lor [pg/µI] Total</li> </ul>	35       125.00       5,411.3       Lower Marker       43.00         135       315.73       3,534.6       54.32         10,380       75.00       10.9       Upper Marker       113.00         on table for sample 2 :       sample 2       sample 2       Size distribution in Lor [pg/µl]         To [bp]       Area       [pmol/l]       Lower Marker       % of Size distribution in CV [%]

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### Electropherogram Summary Continued ...



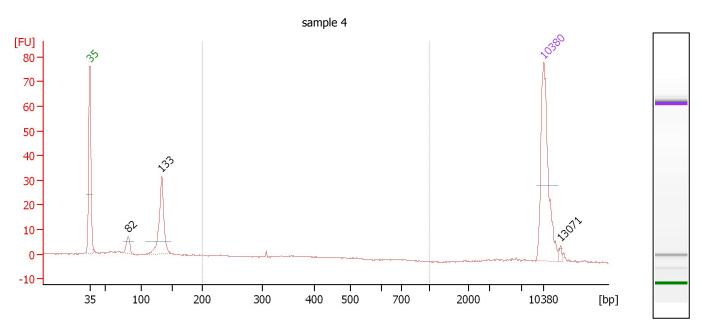
### Overall Results for sample 3 : <u>sample 3</u>

Number of peaks found:	1	Corr. Area 1:	20.6
Noise:	0.1		

Peak table for sample 3 : <u>sample 3</u>								
Pea k	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	] Observatio	ns A	ligned Migration Time [s]		
1 📢	35	125.00	5,411.3	Lower Marke	er 43	3.00		
2	134	32.89	372.2		54	4.18		
3 🕨	10,380	75.00	10.9	Upper Marke	er 11	13.00		
Region table for sample 3 : <u>sample 3</u>								
From [bp] 200	<b>To [bp] Ave</b> [bp 1,000 364	o] Area		Co Conc. lor [pg/µl] 29.19	<b>% of</b> Total 20	Size distribution in CV [%] 45.6		

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### Electropherogram Summary Continued ...



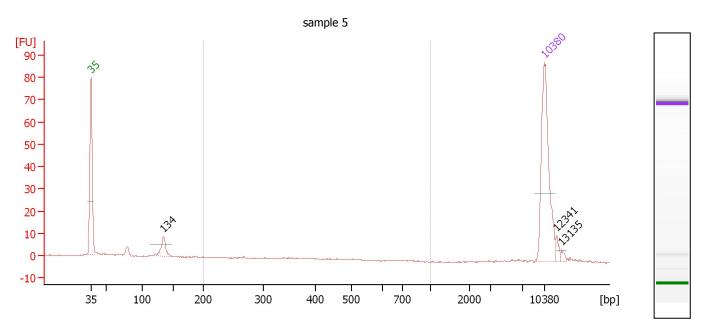
### Overall Results for sample 4 : <u>sample 4</u>

Number of peaks found:	3	Corr. Area 1:	24.3
Noise:	0.2		

Peak ta	able for samp	ole4:	sample	<u>4</u>			
Pea k	Size [bp]	Conc. [pg	J/µI]	Molarity [pmol/	] Observati	ons Al	igned Migration Time [s]
1 🔹	35	125.00		5,411.3	Lower Mark	ker 43	8.00
2	82	16.25		300.8		48	3.90
3	133	80.06		913.7		54	ł.07
4	10,380	75.00		10.9	Upper Mark	ker 11	.3.00
5	13,071	0.00		0.0		11	.5.65
Region table for sample 4 : <u>sample 4</u>							
<b>From</b> [bp] 200	<b>To [bp] Av</b> [br 1.000 373	<b>)</b>	Corr. Area 24.3	Molarity [pmol/l] 134.1	Co Conc. lor [pg/µl] 28.78	<b>% of</b> Total 17	Size distribution in CV [%] 31.9
200	1,000 573	)	24.5	134.1	20.70	1/	51.9

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### Electropherogram Summary Continued ...



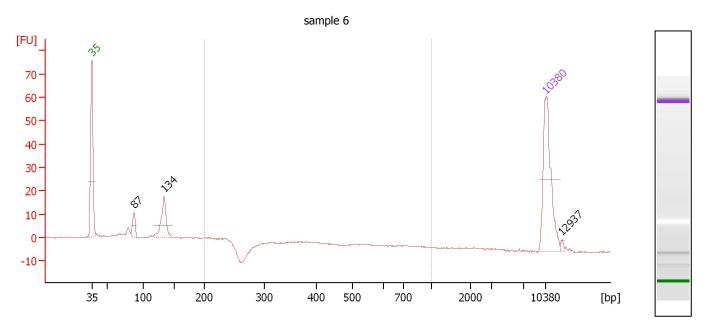
### Overall Results for sample 5 : <u>sample 5</u>

Number of peaks found:	3	Corr. Area 1:	12.6
Noise:	0.2		

Peak	tal	ole for samp	le 5 :	sampl	<u>e 5</u>			
Pea k		Size [bp]	Conc. [po	g/µl]	Molarity [pmol/	[] Observati	ons A	ligned Migration Time [s]
1	•	35	125.00		5,411.3	Lower Mark	ker 43	3.00
2		134	18.52		209.4		54	1.19
3		10,380	75.00		10.9	Upper Mark	ker 11	13.00
4		12,341	0.00		0.0		11	14.93
5		13,135	0.00		0.0		11	15.72
Regio	Region table for sample 5 :			sam	iple 5			
From [bp]		To [bp] Ave	]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/µl]	% of Total	Size distribution in CV [%]
200		1,000 365		12.6	63.2	13.40	14	31.4

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### Electropherogram Summary Continued ...



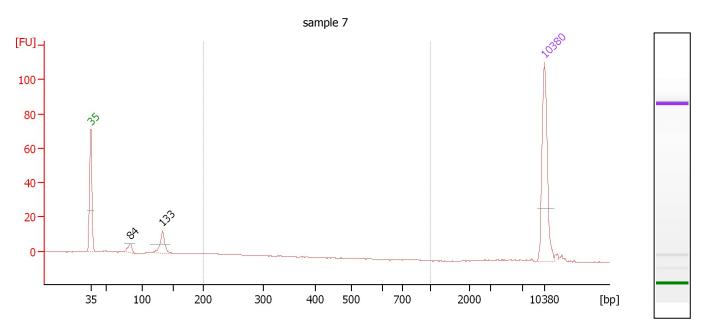
### Overall Results for sample 6 : <u>sample 6</u>

Number of peaks found:	3	Corr. Area 1:	6.5
Noise:	0.2		

Peak ta	able for sam	ple 6 :	sample 6	<u>5</u>			
Pea k	Size [bp]	Conc. [pg	J/μ] Μ	lolarity [pmol/l	] Observatio	ons Al	igned Migration Time [s]
1	35	125.00	5	,411.3	Lower Mark	er 43	.00
2	87	19.07	3	31.8		49	.49
3	134	52.40	5	93.8		54	.16
4	10,380	75.00	1	0.9	Upper Mark	er 11	3.00
5	12,937	0.00	0	.0		11	5.52
Region table for sample 6 :			sampl	<u>e 6</u>			
<b>From</b> [bp] 200	<b>To [bp] Av</b> [b] 1,000 233	-	Corr. Area 6.5	Molarity [pmol/l] 67.0	Co Conc. lor [pg/µl] 10.01	<b>% of</b> Total 6	Size distribution in CV [%] 23.0

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### Electropherogram Summary Continued ...



### Overall Results for sample 7 : <u>sample 7</u>

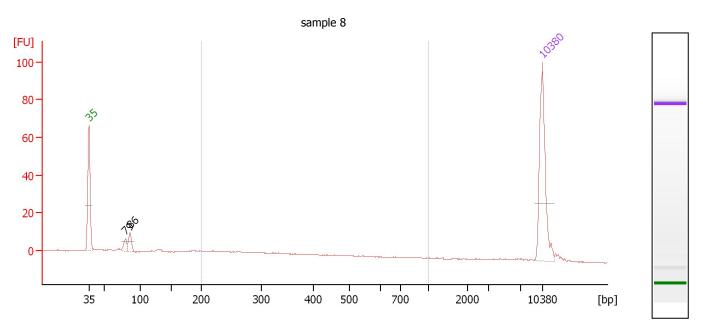
Number of peaks found:	2	Corr. Area 1:	11.6
Noise:	0.1		

### Peak table for sample 7 : <u>sample 7</u>

Pea k	Size [bp]	Conc. [pg	/µl] M	olarity [pmol/l]	Observatio	ons A	ligned Migration Time [s]
1	35	125.00	5,	411.3	Lower Mark	er 43	3.00
2	84	12.47	22	25.6		4	9.12
3	133	30.40	34	17.4		54	4.06
4 🕨	10,380	75.00	10	).9	Upper Marke	er 1	13.00
Region	table for sa	mple 7 :	sample	<u>e 7</u>			
<b>From</b> [ <b>bp]</b> 200	<b>To [bp] Ave</b> [br 1,000 260	<b>)</b>	<b>Corr.</b> Area 11.6	<b>Molarity [pmol/l]</b> 87.0	Co Conc. lor [pg/µl] 14.54	<b>% of</b> Total 13	Size distribution in CV [%] 18.0

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### Electropherogram Summary Continued ...



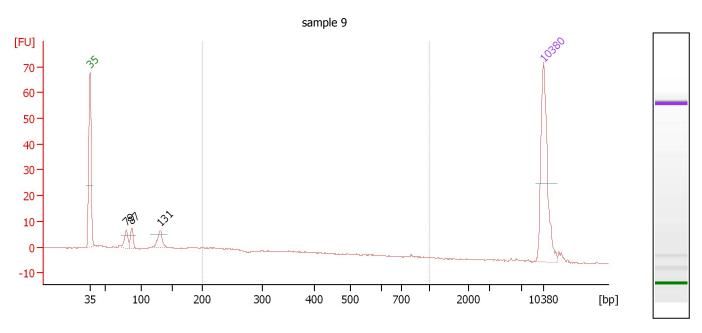
### Overall Results for sample 8 : <u>sample 8</u>

Number of peaks found:	2	Corr. Area 1:	54.3
Noise:	0.1		

Peal	k tal	ble for samp	e 8 :	sample	8					
Pea k		Size [bp]	Conc. [po	g/µl]	Molarity [pmol	/I] Obs	servatio	ns A	ligned Mig	gration Time [s]
1		35	125.00		5,411.3	Low	er Marke	er 43	3.00	
2		79	12.31		235.2			48	3.61	
3		86	18.21		322.3			49	9.32	
4		10,380	75.00		10.9	Upp	er Marke	er 11	13.00	
Regi	ion t	table for sar	nple 8 :	samp	<u>le 8</u>					
<b>Fron</b> [bp] 200	ı	To [bp] Ave [bp 1,000 389	0]	<b>Corr.</b> Area 54.3	Molarity [pmol/l] 313.7	Co Cor lor [pg 65.4	/µl]	<b>% of Total</b> 40	<b>Size d</b> CV [% 43.9	istribution in 5]

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### Electropherogram Summary Continued ...



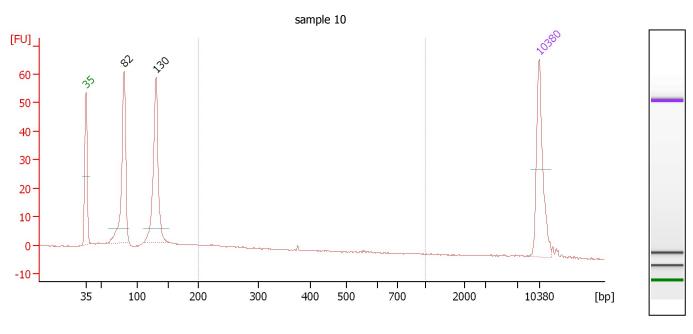
### Overall Results for sample 9 : <u>sample 9</u>

Number of peaks found:	3	Corr. Area 1:	40.1
Noise:	0.1		

Peak	tał	ole for samp	le 9 :	sampl	<u>e 9</u>				
Pea k		Size [bp]	Conc. [p	g/μl]	Molarity [pmol/	I] Observatio	ons Al	igned Migration Time [s	]
1	∢	35	125.00		5,411.3	Lower Mark	er 43	.00	
2		79	18.11		346.6		48	.60	
3		87	16.35		285.6		49	.45	
4		131	20.55		238.5		53	.86	
5	Þ	10,380	75.00		10.9	Upper Mark	er 11	3.00	
Regio	on t	able for san	nple 9 :	sam	ple 9				
From		To [bp] Ave	rage Size	Corr.	Molarity	Co Conc.	% of	Size distribution in	
[bp]		[bp]	]	Area	[pmol/l]	lor [pg/µl]	Total	CV [%]	
200		1,000 377		40.1	281.2	57.22	35	42.6	

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### Electropherogram Summary Continued ...



### Overall Results for sample 10 : <u>sample 10</u>

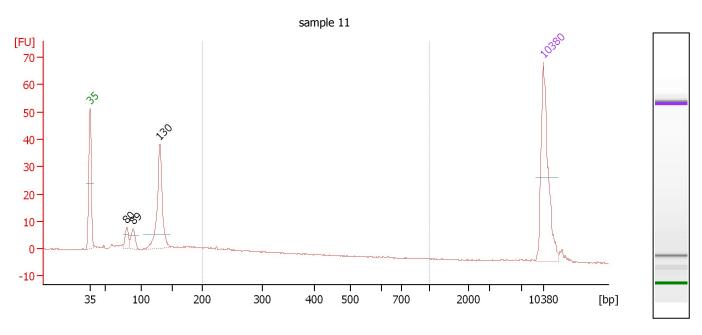
Number of peaks found:	2	Corr. Area 1:	37.6
Noise:	0.1		

Peak t	able for sam	ple 10 :	<u>sample 10</u>				
Pea k	Size [bp]	Conc. [pg/	μl] Molarity [pn	nol/l] Observati	ons Ali	igned Migration Time [s]	
1	35	125.00	5,411.3	Lower Mark	ker 43	.00	
2	82	204.41	3,792.1		48	.88	
3	130	203.98	2,376.3		53	.81	
4	10,380	75.00	10.9	Upper Mark	ker 11	3.00	
Regior	table for sa	mple 10 :	sample 10				
<b>From</b> [bp] 200	<b>To [bp] Av</b> [bj 1,000 379	p]	Corr. Molarity Area [pmol/l] 37.6 311.1	Co Conc. lor [pg/µl] 62,36	<b>% of</b> Total 13	Size distribution in CV [%] 46.3	

#### High Sensitivity DNA Assay C:\... bioanalyzer\2100 expert\data\2017-10-19\2017-10-19\_001.xad Assay Class: Data Path:

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### **Electropherogram Summary Continued ...**



#### Overall Results for sample 11 : sample 11

Number of peaks found:	3	Corr. Area 1:	34.3
Noise:	0.2		

Peak	tał	ole for samp	le 11:	samp	<u>le 11</u>						
Pea k		Size [bp]	Conc. [po	<b>]</b> /μl]	Molarity [pmol/	/I]	Observatio	ons	Align	ed Migration Time [s]	
1	∢	35	125.00		5,411.3		Lower Marke	er	43.00		
2		80	19.05		361.6				48.67		
3		89	21.25		362.7				49.68		
4		130	118.32		1,382.4				53.78		
5		10,380	75.00	10.9			Upper Marker		113.00		
Region table for sample 11 :		san	sample 11								
<b>From</b> [bp] 200		<b>To [bp] Ave</b> [bp 1,000 308	_ 0	<b>Corr.</b> Area 34.3	Molarity [pmol/l] 278.8		Conc. [pg/µl] 50.71	<b>% of</b> <b>Tota</b> 19	I	Size distribution in CV [%] 34.7	

Assay Class: Data Path: <b>Gel Image</b>	High Sensitivity DNA Assay C:\ bioanalyzer\2100 expert\data\2017-10-19\2017-10-19_001.xad								C Mi	Created: 10/19/2017 10:17:10 AM Modified: 10/19/2017 10:58:27 AM			
[bp]	Ladder	sample 1	sample 2	sample 3	sample 4	sample 5	sample 6	sample 7	sample 8	sample 9	sample 10	sample 11	
10380 —													
7000 —	_												
3000 — 2000 —	_												
1000 —	_												
700 — —	_												
500 — 🗕	_												
400 —													
300 —	_												
200 —	_												
150 — 💻	_												
100 — —	_												
50 — — 35 — —	_												
	L	1	2	3	4	5	6	7	8	9	10	11	

2017-10-19\_001.xad

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