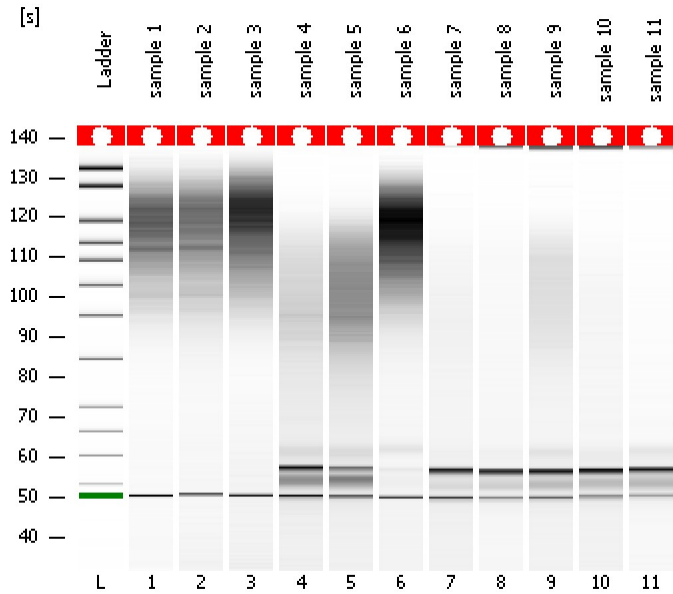


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...nalyzer\2100 expert\data\2017-11-20\2017-11-20\_Zebra\_AT.xad

Created: 11/20/2017 3:47:58 PM  
Modified: 11/20/2017 4:30:32 PM

**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\High Sensitivity DNA.xsy  
Assay Class: High Sensitivity DNA Assay  
Version: 1.03  
Assay Comments: Copyright © 2003-2010 Agilent Technologies

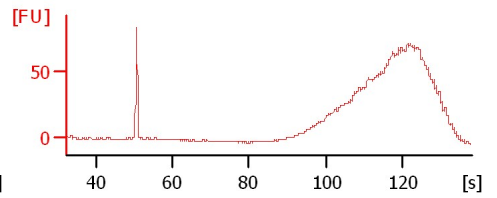
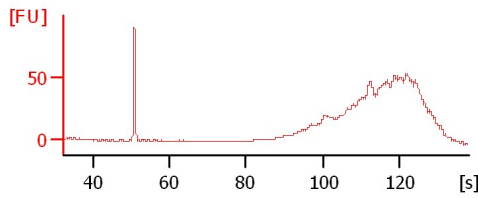
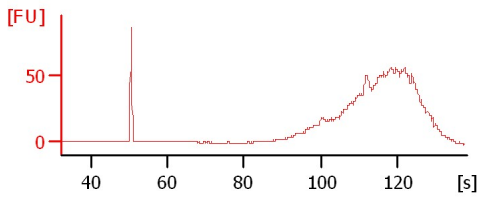
Chip Information:

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

sample 1

sample 2

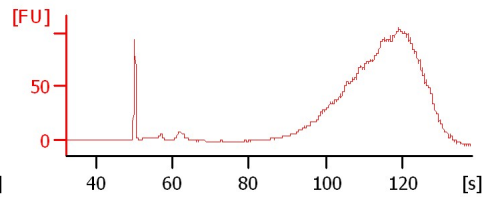
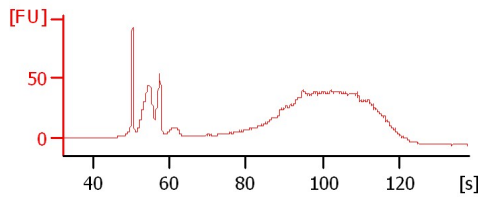
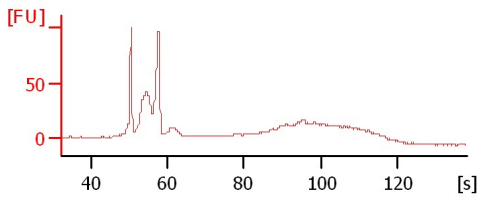
sample 3



sample 4

sample 5

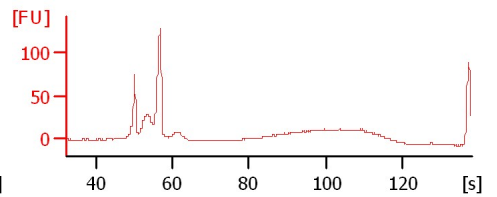
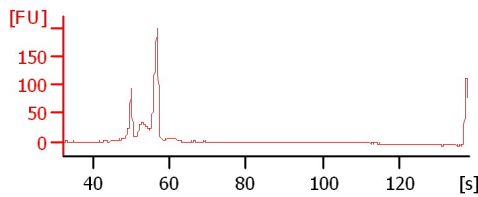
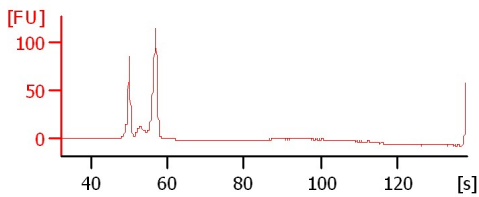
sample 6



sample 7

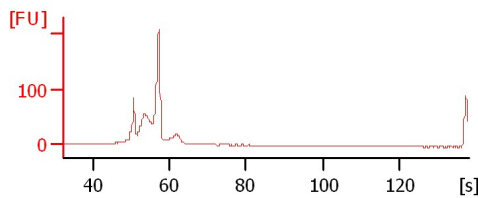
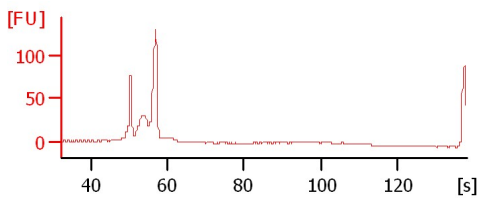
sample 8

sample 9



sample 10

sample 11



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...nalyzer\2100 expert\data\2017-11-20\2017-11-20\_Zebra\_AT.xad

Created: 11/20/2017 3:47:58 PM  
 Modified: 11/20/2017 4:30:32 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 1		<input type="checkbox"/>	✓			
sample 2		<input type="checkbox"/>	✓			
sample 3		<input type="checkbox"/>	✓			
sample 4		<input type="checkbox"/>	✓			
sample 5		<input type="checkbox"/>	✓			
sample 6		<input type="checkbox"/>	✓			
sample 7		<input type="checkbox"/>	✓			
sample 8		<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:\...nalyzer\2100 expert\data\2017-11-20\2017-11-20\_Zebra\_AT.xad

Created: 11/20/2017 3:47:58 PM  
Modified: 11/20/2017 4:30:32 PM

**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

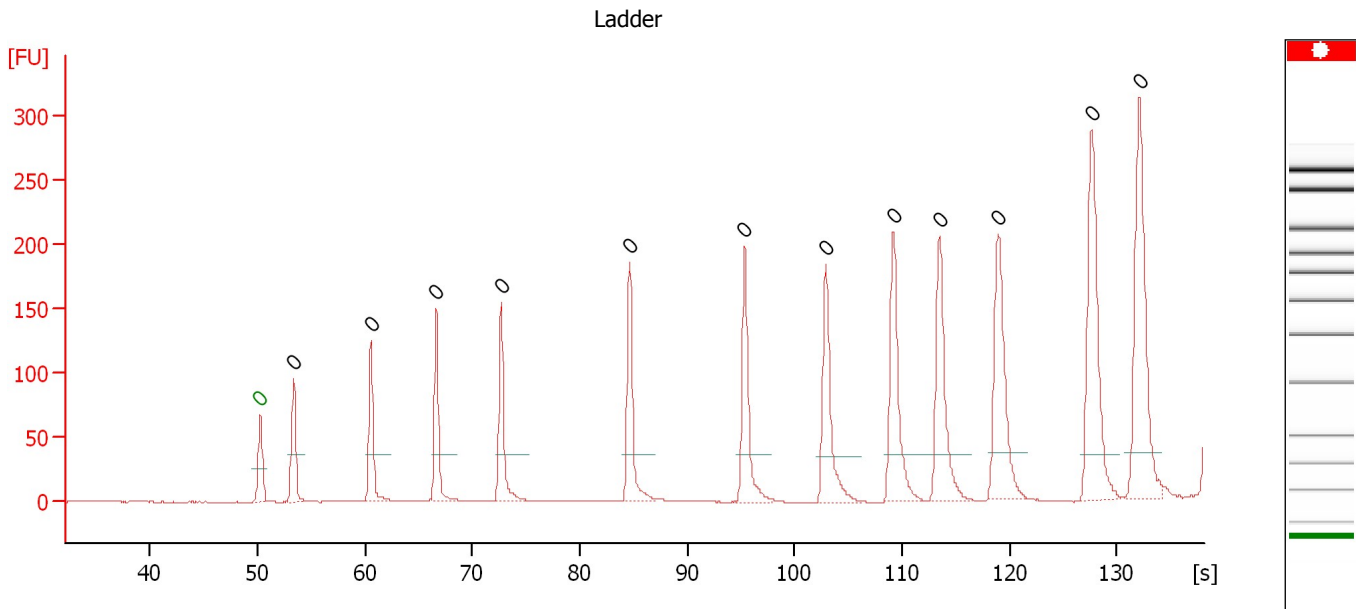
**Ladder**

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:\...analyzer\2100 expert\data\2017-11-20\2017-11-20\_Zebra\_AT.xad

Created: 11/20/2017 3:47:58 PM  
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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

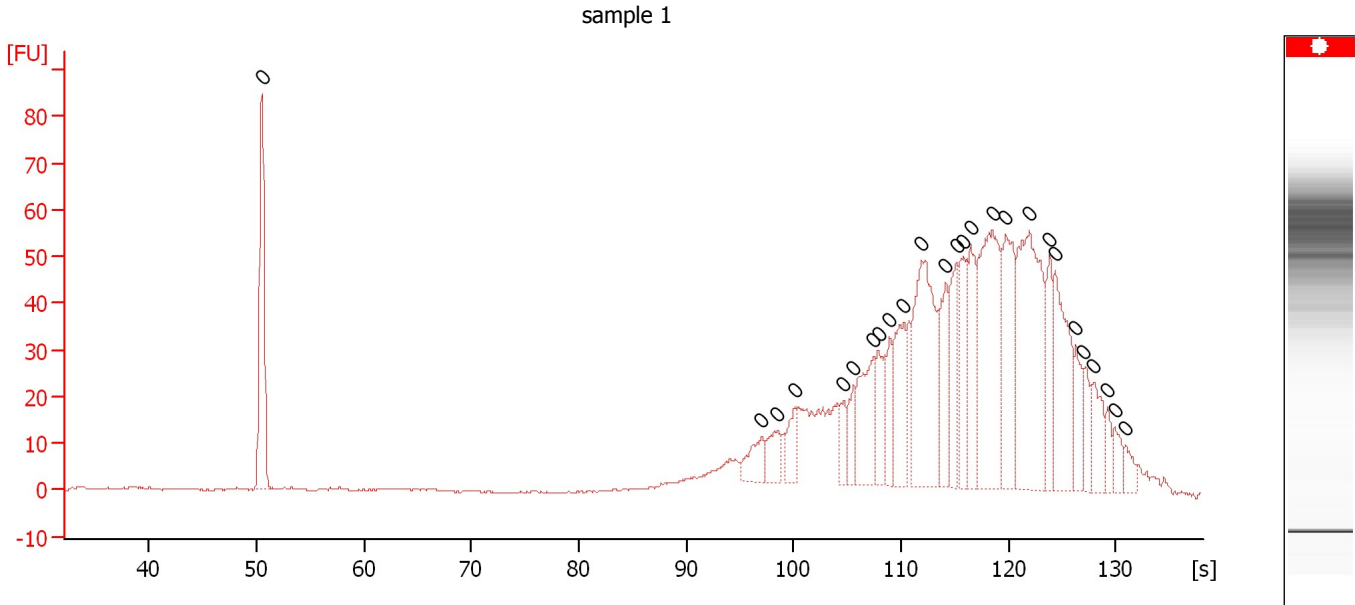
**Peak table for Ladder**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0	Lower Marker	50.25
2	0	0.00	0.0	Ladder Peak	53.35
3	0	0.00	0.0	Ladder Peak	60.55
4	0	0.00	0.0	Ladder Peak	66.65
5	0	0.00	0.0	Ladder Peak	72.70
6	0	0.00	0.0	Ladder Peak	84.65
7	0	0.00	0.0	Ladder Peak	95.35
8	0	0.00	0.0	Ladder Peak	102.90
9	0	0.00	0.0	Ladder Peak	109.20
10	0	0.00	0.0	Ladder Peak	113.45
11	0	0.00	0.0	Ladder Peak	118.95
12	0	0.00	0.0	Ladder Peak	127.65
13	0	0.00	0.0	Ladder Peak	132.10

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...nalyzer\2100 expert\data\2017-11-20\2017-11-20\_Zebra\_AT.xad

Created: 11/20/2017 3:47:58 PM  
 Modified: 11/20/2017 4:30:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : sample 1**

Number of peaks found: 0                      Noise: 0.2

**Peak table for sample 1 : sample 1**

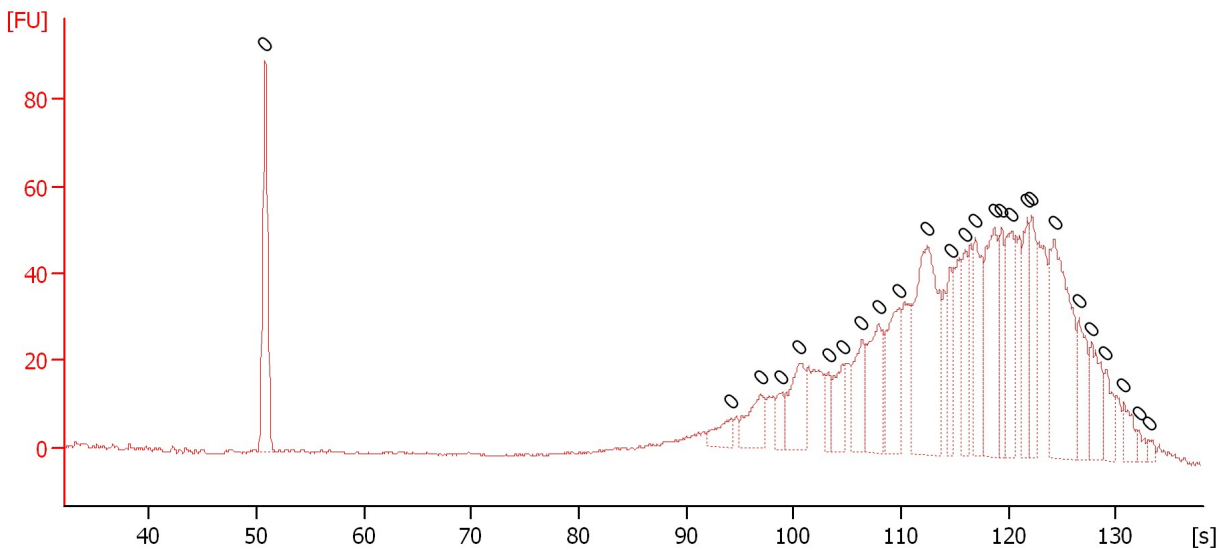
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		50.50
2	0	0.00	0.0		97.00
3	0	0.00	0.0		98.45
4	0	0.00	0.0		100.15
5	0	0.00	0.0		104.65
6	0	0.00	0.0		105.60
7	0	0.00	0.0		107.45
8	0	0.00	0.0		107.90
9	0	0.00	0.0		108.90
10	0	0.00	0.0		110.25
11	0	0.00	0.0		111.85
12	0	0.00	0.0		114.15
13	0	0.00	0.0		115.15
14	0	0.00	0.0		115.75
15	0	0.00	0.0		116.50
16	0	0.00	0.0		118.50
17	0	0.00	0.0		119.70
18	0	0.00	0.0		121.95
19	0	0.00	0.0		123.80
20	0	0.00	0.0		124.35
21	0	0.00	0.0		126.30
22	0	0.00	0.0		127.00
23	0	0.00	0.0		127.90
24	0	0.00	0.0		129.20
25	0	0.00	0.0		129.85
26	0	0.00	0.0		130.85

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...nalyzer\2100 expert\data\2017-11-20\2017-11-20\_Zebra\_AT.xad

Created: 11/20/2017 3:47:58 PM  
 Modified: 11/20/2017 4:30:32 PM

**Electropherogram Summary Continued ...**

sample 2



**Overall Results for sample 2 : sample 2**

Number of peaks found: 0                      Noise: 0.2

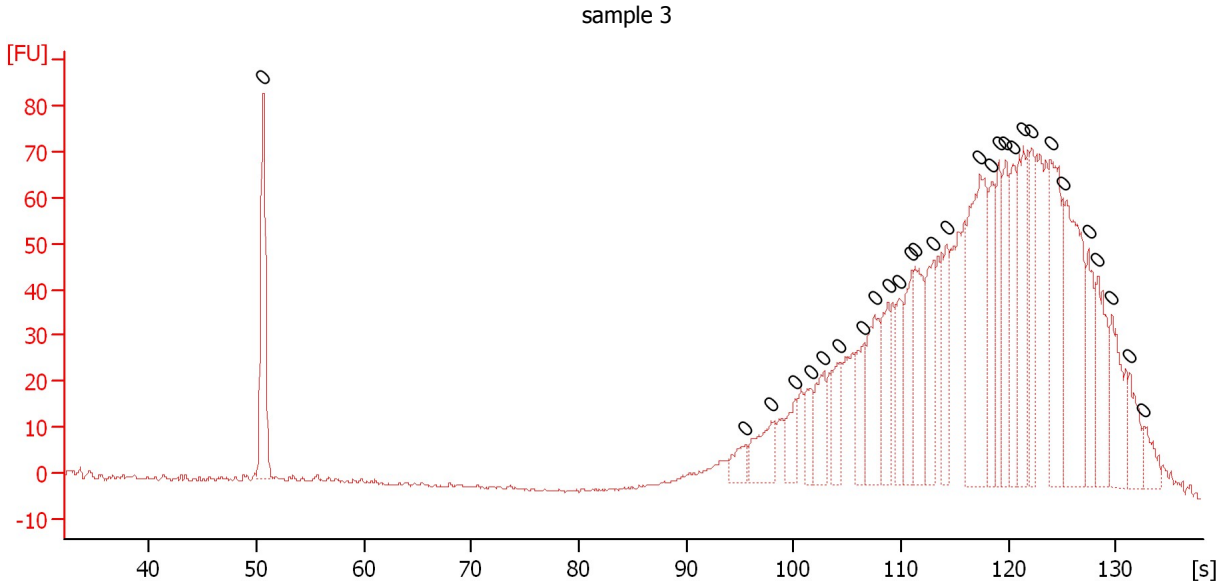
**Peak table for sample 2 : sample 2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		50.80
2	0	0.00	0.0		94.25
3	0	0.00	0.0		96.90
4	0	0.00	0.0		98.80
5	0	0.00	0.0		100.55
6	0	0.00	0.0		103.20
7	0	0.00	0.0		104.55
8	0	0.00	0.0		106.30
9	0	0.00	0.0		107.90
10	0	0.00	0.0		109.85
11	0	0.00	0.0		112.45
12	0	0.00	0.0		114.65
13	0	0.00	0.0		115.95
14	0	0.00	0.0		116.90
15	0	0.00	0.0		118.70
16	0	0.00	0.0		119.35
17	0	0.00	0.0		120.30
18	0	0.00	0.0		121.75
19	0	0.00	0.0		122.15
20	0	0.00	0.0		124.30
21	0	0.00	0.0		126.55
22	0	0.00	0.0		127.70
23	0	0.00	0.0		129.10
24	0	0.00	0.0		130.75
25	0	0.00	0.0		132.10
26	0	0.00	0.0		133.05

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...nalyzer\2100 expert\data\2017-11-20\2017-11-20\_Zebra\_AT.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : sample 3**

Number of peaks found: 0                      Noise: 0.3

**Peak table for sample 3 : sample 3**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		50.60
2	0	0.00	0.0		95.55
3	0	0.00	0.0		97.90
4	0	0.00	0.0		100.15
5	0	0.00	0.0		101.55
6	0	0.00	0.0		102.75
7	0	0.00	0.0		104.30
8	0	0.00	0.0		106.55
9	0	0.00	0.0		107.50
10	0	0.00	0.0		108.80
11	0	0.00	0.0		109.80
12	0	0.00	0.0		111.00
13	0	0.00	0.0		111.30
14	0	0.00	0.0		113.05
15	0	0.00	0.0		114.25
16	0	0.00	0.0		117.35
17	0	0.00	0.0		118.45
18	0	0.00	0.0		119.10
19	0	0.00	0.0		119.75
20	0	0.00	0.0		120.40
21	0	0.00	0.0		121.40
22	0	0.00	0.0		122.20
23	0	0.00	0.0		123.90
24	0	0.00	0.0		125.10
25	0	0.00	0.0		127.45
26	0	0.00	0.0		128.30
27	0	0.00	0.0		129.60

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...nalyzer\2100 expert\data\2017-11-20\2017-11-20\_Zebra\_AT.xad

Created: 11/20/2017 3:47:58 PM  
Modified: 11/20/2017 4:30:32 PM

**Electropherogram Summary Continued ...****... Peak table for sample 3 : sample 3**

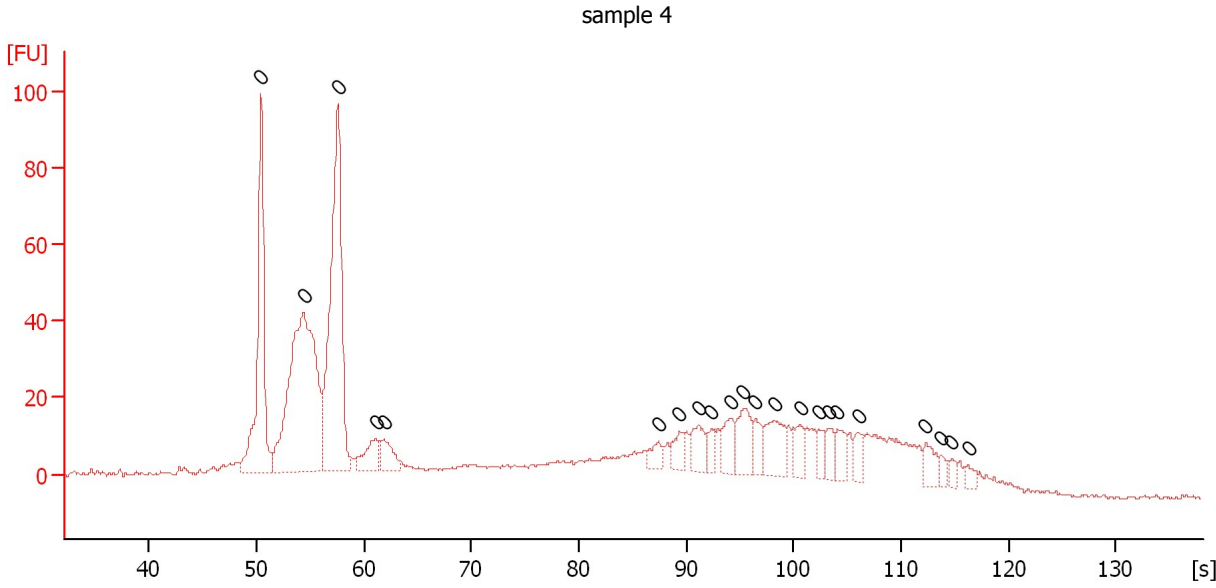
Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
28	0	0.00	0.0		131.25
29	0	0.00	0.0		132.60



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...analyzer\2100 expert\data\2017-11-20\2017-11-20\_Zebra\_AT.xad

Created: 11/20/2017 3:47:58 PM  
 Modified: 11/20/2017 4:30:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : sample 4**

Number of peaks found: 0                      Noise: 0.3

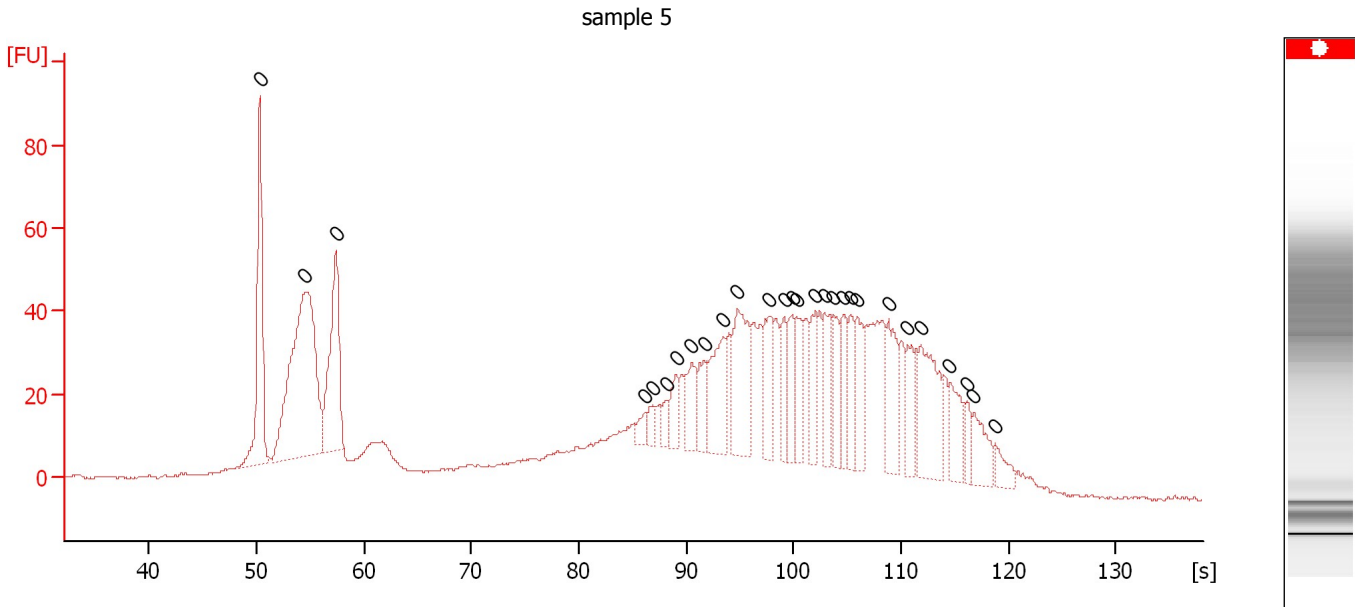
**Peak table for sample 4 : sample 4**

Pea k	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		50.45
2	0	0.00	0.0		54.40
3	0	0.00	0.0		57.60
4	0	0.00	0.0		61.10
5	0	0.00	0.0		61.85
6	0	0.00	0.0		87.45
7	0	0.00	0.0		89.40
8	0	0.00	0.0		91.15
9	0	0.00	0.0		92.35
10	0	0.00	0.0		94.15
11	0	0.00	0.0		95.35
12	0	0.00	0.0		96.45
13	0	0.00	0.0		98.25
14	0	0.00	0.0		100.65
15	0	0.00	0.0		102.35
16	0	0.00	0.0		103.35
17	0	0.00	0.0		104.05
18	0	0.00	0.0		106.10
19	0	0.00	0.0		112.30
20	0	0.00	0.0		113.65
21	0	0.00	0.0		114.70
22	0	0.00	0.0		116.30

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...nalyzer\2100 expert\data\2017-11-20\2017-11-20\_Zebra\_AT.xad

Created: 11/20/2017 3:47:58 PM  
 Modified: 11/20/2017 4:30:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : sample 5**

Number of peaks found: 0                      Noise: 0.3

**Peak table for sample 5 : sample 5**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		50.30
2	0	0.00	0.0		54.55
3	0	0.00	0.0		57.40
4	0	0.00	0.0		86.15
5	0	0.00	0.0		86.85
6	0	0.00	0.0		88.15
7	0	0.00	0.0		89.05
8	0	0.00	0.0		90.45
9	0	0.00	0.0		91.65
10	0	0.00	0.0		93.45
11	0	0.00	0.0		94.75
12	0	0.00	0.0		97.70
13	0	0.00	0.0		99.10
14	0	0.00	0.0		99.85
15	0	0.00	0.0		100.25
16	0	0.00	0.0		102.00
17	0	0.00	0.0		102.90
18	0	0.00	0.0		103.75
19	0	0.00	0.0		104.60
20	0	0.00	0.0		105.25
21	0	0.00	0.0		105.95
22	0	0.00	0.0		108.80
23	0	0.00	0.0		110.65
24	0	0.00	0.0		111.85
25	0	0.00	0.0		114.55
26	0	0.00	0.0		116.10
27	0	0.00	0.0		116.80

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...nalyzer\2100 expert\data\2017-11-20\2017-11-20\_Zebra\_AT.xad

Created: 11/20/2017 3:47:58 PM  
Modified: 11/20/2017 4:30:32 PM

**Electropherogram Summary Continued ...****... Peak table for sample 5 : sample 5**

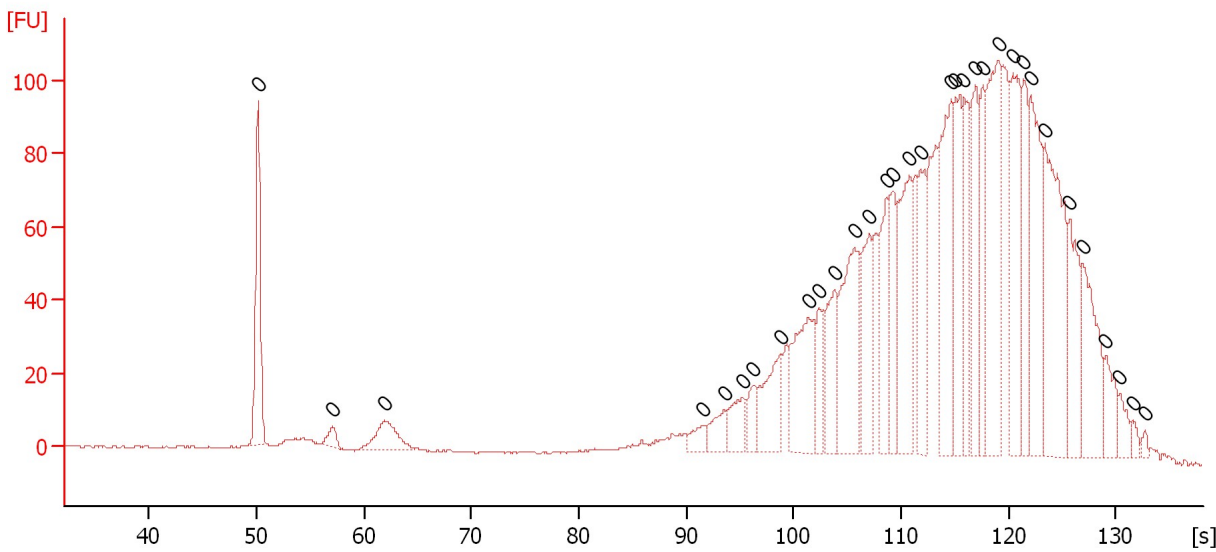
Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
28	0	0.00	0.0		118.80

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...nalyzer\2100 expert\data\2017-11-20\2017-11-20\_Zebra\_AT.xad

Created: 11/20/2017 3:47:58 PM  
 Modified: 11/20/2017 4:30:32 PM

**Electropherogram Summary Continued ...**

sample 6



**Overall Results for sample 6 : sample 6**

Number of peaks found: 0                      Noise: 0.2

**Peak table for sample 6 : sample 6**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		50.15
2	0	0.00	0.0		57.10
3	0	0.00	0.0		61.90
4	0	0.00	0.0		91.55
5	0	0.00	0.0		93.55
6	0	0.00	0.0		95.25
7	0	0.00	0.0		96.20
8	0	0.00	0.0		98.80
9	0	0.00	0.0		101.35
10	0	0.00	0.0		102.35
11	0	0.00	0.0		103.85
12	0	0.00	0.0		105.65
13	0	0.00	0.0		107.05
14	0	0.00	0.0		108.65
15	0	0.00	0.0		109.20
16	0	0.00	0.0		110.75
17	0	0.00	0.0		111.85
18	0	0.00	0.0		114.70
19	0	0.00	0.0		115.10
20	0	0.00	0.0		115.85
21	0	0.00	0.0		116.90
22	0	0.00	0.0		117.60
23	0	0.00	0.0		119.05
24	0	0.00	0.0		120.40
25	0	0.00	0.0		121.40
26	0	0.00	0.0		122.05
27	0	0.00	0.0		123.35

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...nalyzer\2100 expert\data\2017-11-20\2017-11-20\_Zebra\_AT.xad

Created: 11/20/2017 3:47:58 PM  
Modified: 11/20/2017 4:30:32 PM

**Electropherogram Summary Continued ...****... Peak table for sample 6 : sample 6**

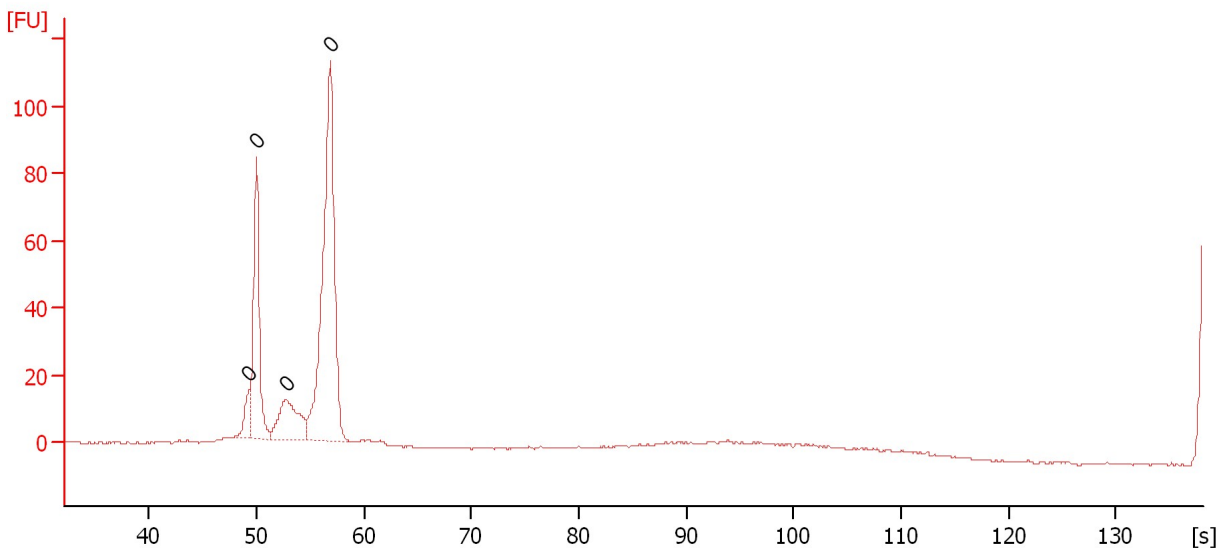
Peak	Size [bp]	Conc. [pg/ $\mu$ l]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
28	0	0.00	0.0		125.70
29	0	0.00	0.0		126.90
30	0	0.00	0.0		129.05
31	0	0.00	0.0		130.35
32	0	0.00	0.0		131.55
33	0	0.00	0.0		132.70

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...analyzer\2100 expert\data\2017-11-20\2017-11-20\_Zebra\_AT.xad

Created: 11/20/2017 3:47:58 PM  
Modified: 11/20/2017 4:30:32 PM

**Electropherogram Summary Continued ...**

sample 7



**Overall Results for sample 7 : sample 7**

Number of peaks found: 0                      Noise: 0.2

**Peak table for sample 7 : sample 7**

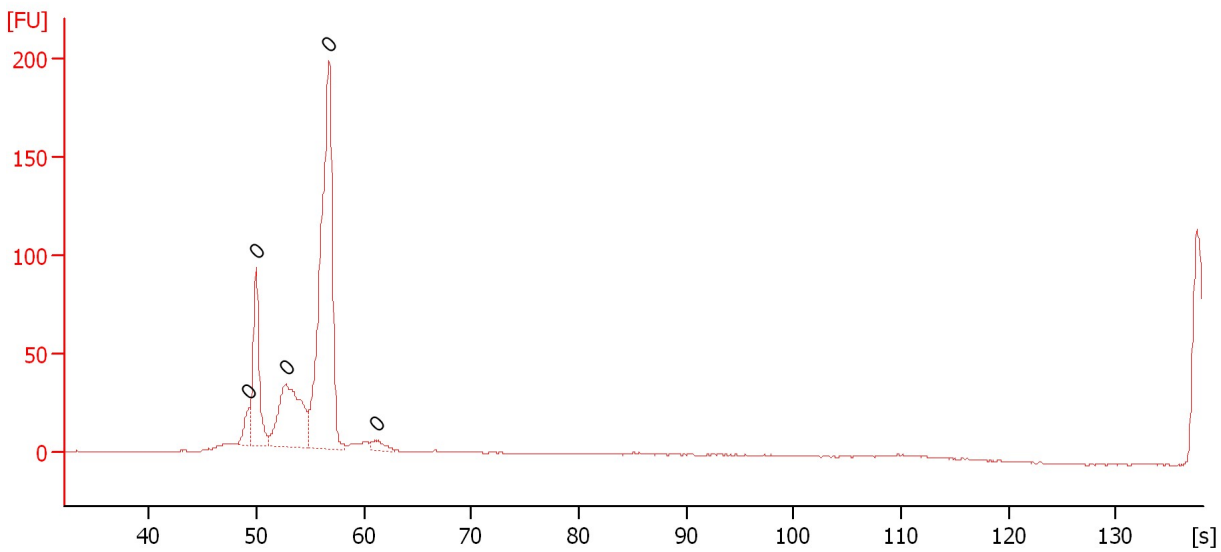
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		49.30
2	0	0.00	0.0		50.00
3	0	0.00	0.0		52.75
4	0	0.00	0.0		56.85

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...nalyzer\2100 expert\data\2017-11-20\2017-11-20\_Zebra\_AT.xad

Created: 11/20/2017 3:47:58 PM  
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**Electropherogram Summary Continued ...**

sample 8



**Overall Results for sample 8 : sample 8**

Number of peaks found: 0                      Noise: 0.3

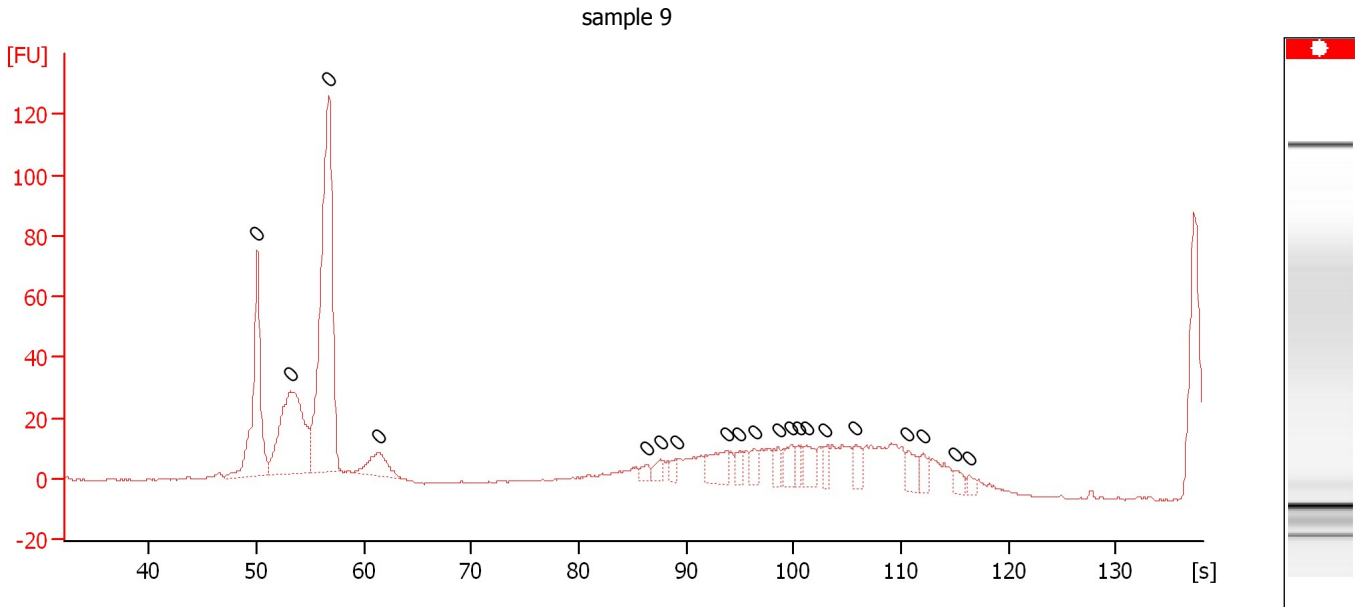
**Peak table for sample 8 : sample 8**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		49.30
2	0	0.00	0.0		49.95
3	0	0.00	0.0		52.70
4	0	0.00	0.0		56.75
5	0	0.00	0.0		61.15

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...analyzer\2100 expert\data\2017-11-20\2017-11-20\_Zebra\_AT.xad

Created: 11/20/2017 3:47:58 PM  
 Modified: 11/20/2017 4:30:32 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 9 : sample 9**

Number of peaks found: 0                      Noise: 0.3

**Peak table for sample 9 : sample 9**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		50.05
2	0	0.00	0.0		53.15
3	0	0.00	0.0		56.75
4	0	0.00	0.0		61.35
5	0	0.00	0.0		86.35
6	0	0.00	0.0		87.55
7	0	0.00	0.0		89.10
8	0	0.00	0.0		93.85
9	0	0.00	0.0		94.95
10	0	0.00	0.0		96.35
11	0	0.00	0.0		98.60
12	0	0.00	0.0		99.75
13	0	0.00	0.0		100.45
14	0	0.00	0.0		101.15
15	0	0.00	0.0		102.85
16	0	0.00	0.0		105.80
17	0	0.00	0.0		110.65
18	0	0.00	0.0		112.05
19	0	0.00	0.0		115.00
20	0	0.00	0.0		116.30

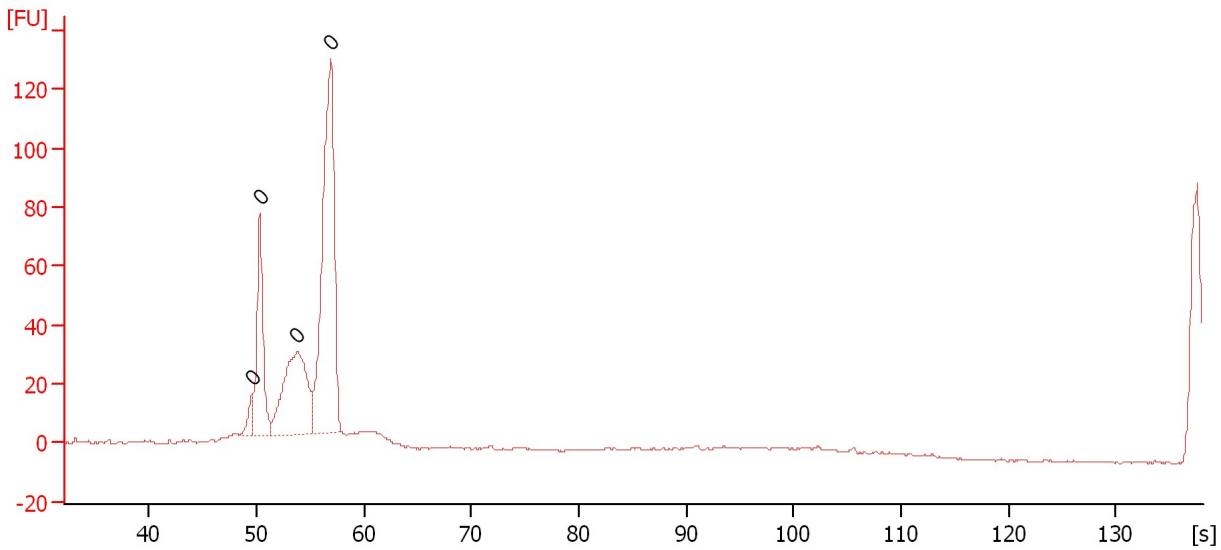


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...analyzer\2100 expert\data\2017-11-20\2017-11-20\_Zebra\_AT.xad

Created: 11/20/2017 3:47:58 PM  
Modified: 11/20/2017 4:30:32 PM

**Electropherogram Summary Continued ...**

sample 10



**Overall Results for sample 10 : sample 10**

Number of peaks found: 0                      Noise: 0.3

**Peak table for sample 10 : sample 10**

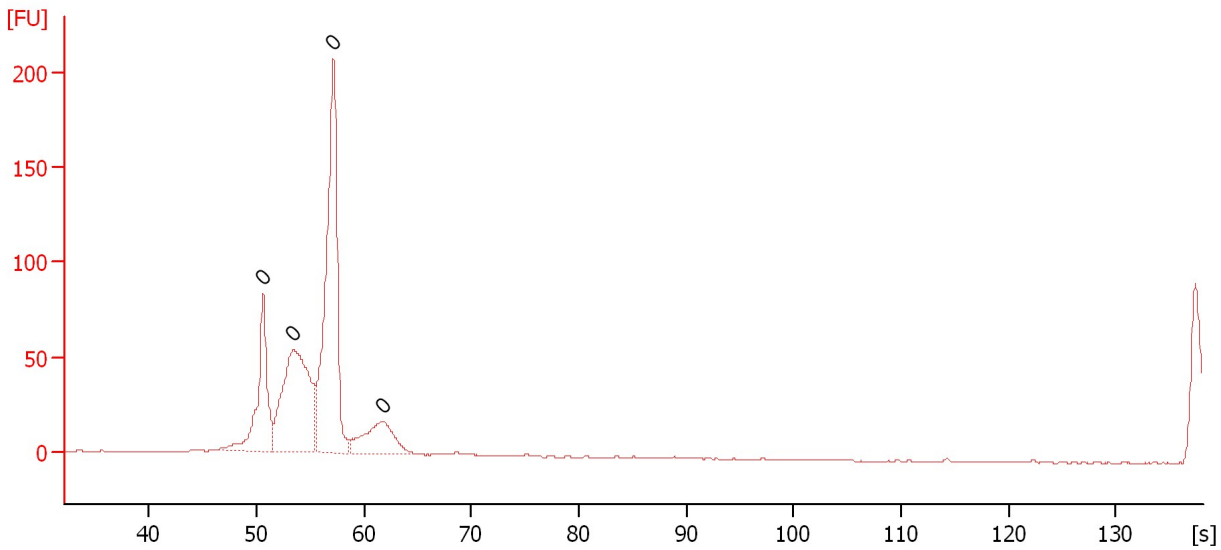
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	0	0.00	0.0		49.60
2	0	0.00	0.0		50.30
3	0	0.00	0.0		53.80
4	0	0.00	0.0		56.90

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...analyzer\2100 expert\data\2017-11-20\2017-11-20\_Zebra\_AT.xad

Created: 11/20/2017 3:47:58 PM  
 Modified: 11/20/2017 4:30:32 PM

**Electropherogram Summary Continued ...**

sample 11



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

Number of peaks found: 0                      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	0	0.00	0.0		50.60
2	0	0.00	0.0		53.40
3	0	0.00	0.0		57.15
4	0	0.00	0.0		61.65

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...nalyzer\2100 expert\data\2017-11-20\2017-11-20\_Zebra\_AT.xad

Created: 11/20/2017 3:47:58 PM  
Modified: 11/20/2017 4:30:32 PM

**Gel Image**

