

Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2010-12-16_18-42-42.xad

Created: 12/16/2010 6:42:42 PM
Modified: 12/17/2010 2:51:03 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/ μ l] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/ μ l] : 125
Upper Marker Concentration [pg/ μ l] : 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] : 100
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

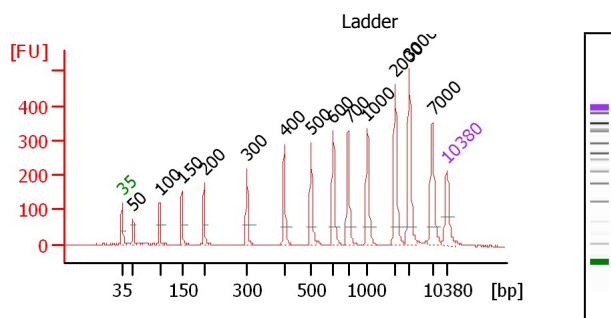
Ladder

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



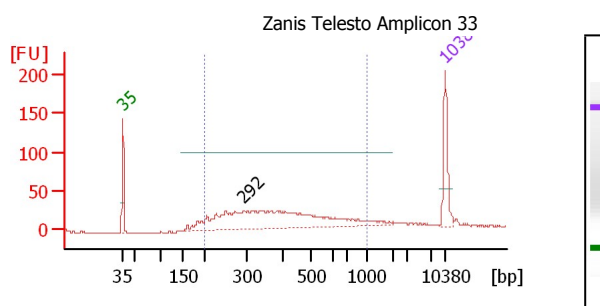
Overall Results for Ladder

Noise: 0.3

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

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
14	7,000	150.00	32.5	Ladder Peak
15	10,380	75.00	10.9	Upper Marker



Overall Results for sample 1 : Zanis Telesto Amplicon 33

Number of peaks found: 1
 Noise: 0.4
 Corr. Area 1: 809.4

Region table for sample 1 : Zanis Telesto Amplicon 33

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	809.4	85	414	40.3	481.09	2,132.6	Blue

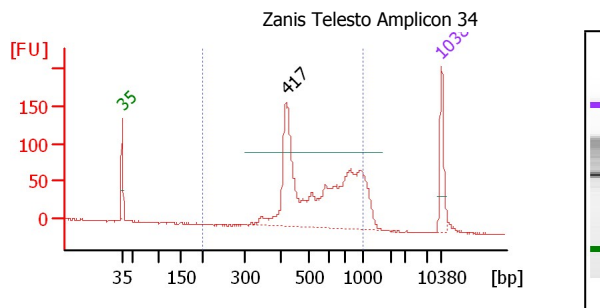
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Electropherogram Summary Continued ...

Peak table for sample 1 : Zanis Telesto Amplicon 33

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	292	627.86	3,259.9	
3	10,380	75.00	10.9	Upper Marker



Overall Results for sample 2 : Zanis Telesto Amplicon 34

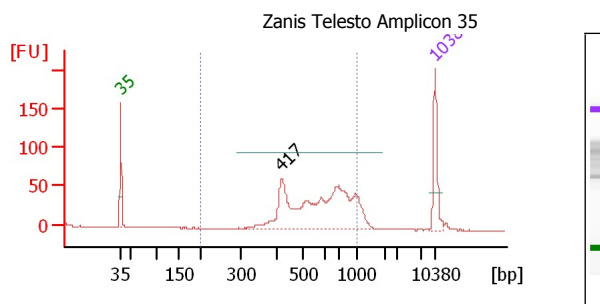
Number of peaks found: 1
 Noise: 0.7
 Corr. Area 1: 1,445.6

Region table for sample 2 : Zanis Telesto Amplicon 34

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,445.6	91	591	30.4	750.28	2,156.1	Blue

Peak table for sample 2 : Zanis Telesto Amplicon 34

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	417	930.23	3,379.4	
3	10,380	75.00	10.9	Upper Marker



Overall Results for sample 3 : Zanis Telesto Amplicon 35

Number of peaks found: 1
 Noise: 0.4
 Corr. Area 1: 866.0

Region table for sample 3 : Zanis Telesto Amplicon 35

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	866.0	90	606	27.7	470.00	1,296.5	Blue

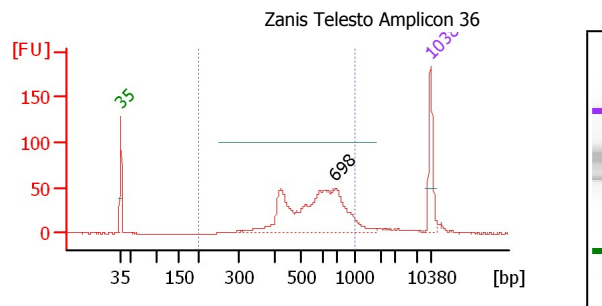
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Electropherogram Summary Continued ...

Peak table for sample 3 : Zanis Telesto Amplicon 35

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	417	585.91	2,127.1	
3	10,380	75.00	10.9	Upper Marker



Overall Results for sample 4 : Zanis Telesto Amplicon 36

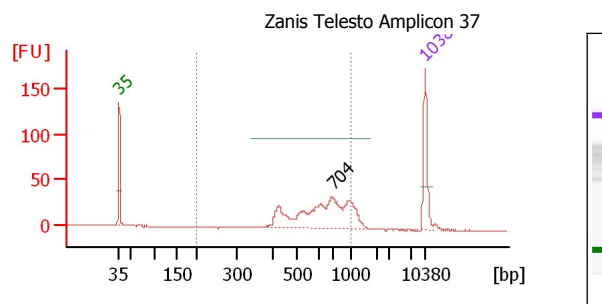
Number of peaks found: 1
 Noise: 0.4
 Corr. Area 1: 790.3

Region table for sample 4 : Zanis Telesto Amplicon 36

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	790.3	89	582	26.0	459.39	1,308.9	Blue

Peak table for sample 4 : Zanis Telesto Amplicon 36

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	698	434.10	942.1	
3	10,380	75.00	10.9	Upper Marker



Overall Results for sample 5 : Zanis Telesto Amplicon 37

Number of peaks found: 1
 Noise: 0.4
 Corr. Area 1: 425.7

Region table for sample 5 : Zanis Telesto Amplicon 37

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	425.7	85	639	25.8	267.62	691.7	Blue

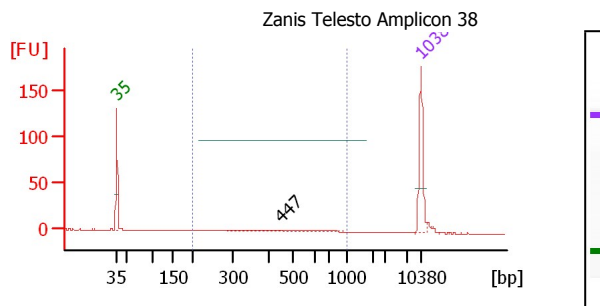
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Electropherogram Summary Continued ...

Peak table for sample 5 : Zanis Telesto Amplicon 37

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	704	301.54	648.8	
3	10,380	75.00	10.9	Upper Marker



Overall Results for sample 6 : Zanis Telesto Amplicon 38

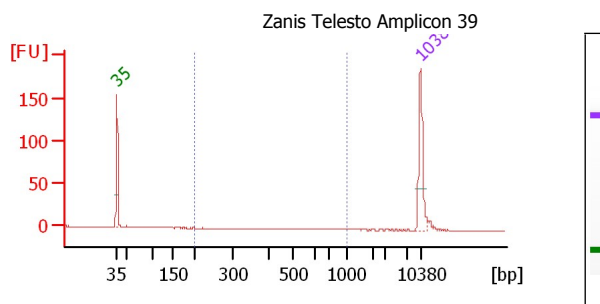
Number of peaks found: 1
 Noise: 0.2
 Corr. Area 1: 41.2

Region table for sample 6 : Zanis Telesto Amplicon 38

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	41.2	58	548	29.7	26.66	83.4	Blue

Peak table for sample 6 : Zanis Telesto Amplicon 38

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	447	33.04	112.1	
3	10,380	75.00	10.9	Upper Marker



Overall Results for sample 7 : Zanis Telesto Amplicon 39

Number of peaks found: 0
 Noise: 0.3
 Corr. Area 1: 2.0

Region table for sample 7 : Zanis Telesto Amplicon 39

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	2.0	7	683	15.9	1.05	2.4	Blue

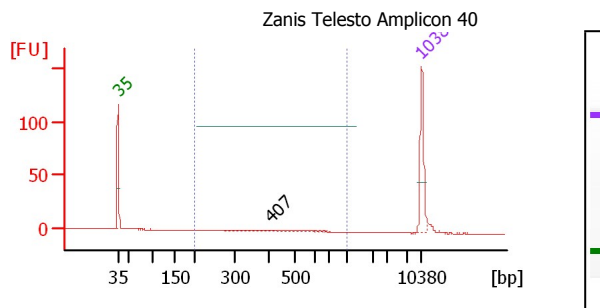
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Electropherogram Summary Continued ...

Peak table for sample 7 : Zanis Telesto Amplicon 39

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker



Overall Results for sample 8 : Zanis Telesto Amplicon 40

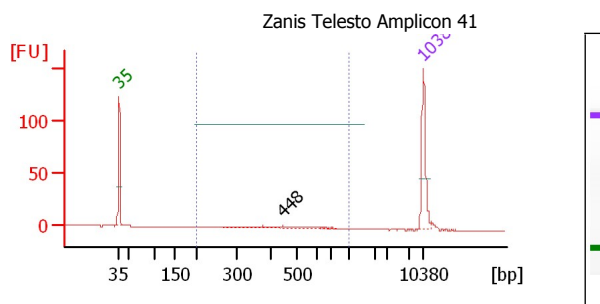
Number of peaks found: 1
 Noise: 0.3
 Corr. Area 1: 13.2

Region table for sample 8 : Zanis Telesto Amplicon 40

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	13.2	40	469	20.1	10.02	34.2	Blue

Peak table for sample 8 : Zanis Telesto Amplicon 40

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	407	26.79	99.8	
3	10,380	75.00	10.9	Upper Marker



Overall Results for sample 9 : Zanis Telesto Amplicon 41

Number of peaks found: 1
 Noise: 0.2
 Corr. Area 1: 39.9

Region table for sample 9 : Zanis Telesto Amplicon 41

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	39.9	66	487	29.0	29.00	100.3	Blue

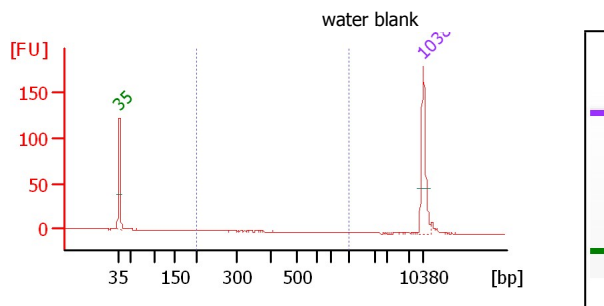
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Electropherogram Summary Continued ...

Peak table for sample 9 : Zanis Telesto Amplicon 41

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	448	34.83	117.9	
3	10,380	75.00	10.9	Upper Marker



Overall Results for sample 10 : water blank

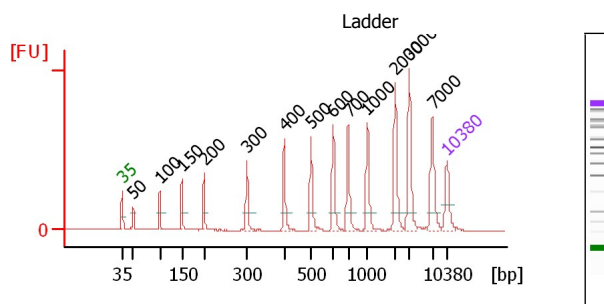
Number of peaks found: 0
 Noise: 0.3
 Corr. Area 1: 0.2

Region table for sample 10 : water blank

From To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200 1,000	0.2	1	308	21.5	0.15	0.8	Blue

Peak table for sample 10 : water blank

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker



Overall Results for Ladder

Noise: 0.3

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

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Gel Image

Peak	Size [bp]	Conc. [pg/ul]	Molarity [pmol/l]	Observations
8	500	150.00	454.5	Ladder Peak
9	500	150.00	379.8	Ladder Peak

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