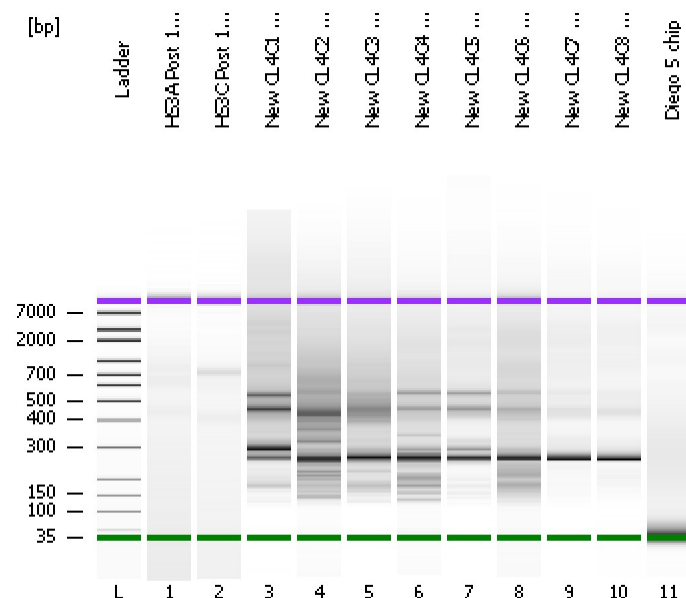


Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-05-24_16-59-02.xad

Created: 5/24/2011 4:59:02 PM
Modified: 5/24/2011 6:37:27 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: Ann's baby
Serial#: DE24802235
Firmware: C.01.069
Type: G2938B

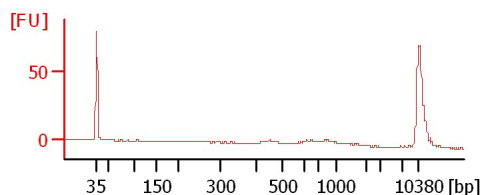
Assay Information:

Assay Origin Path: D:\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

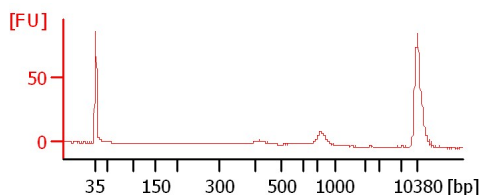
Chip Information:

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

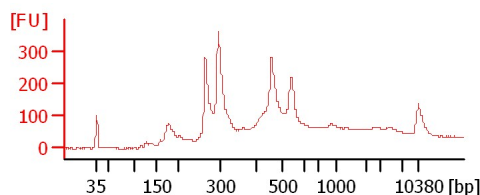
HS3A Post 10 cycles amplification



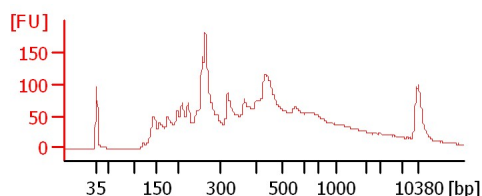
HS3C Post 10 cycles amplification



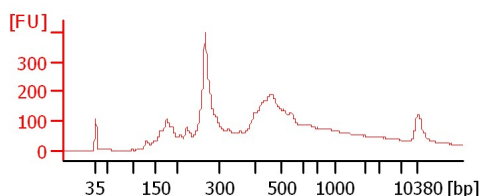
New CL4C1 Amplicon Initial Sample



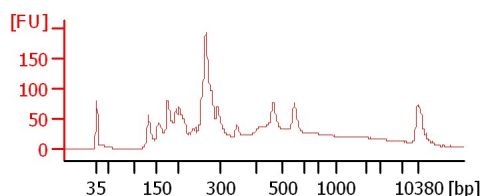
New CL4C2 Amplicon Initial Sample



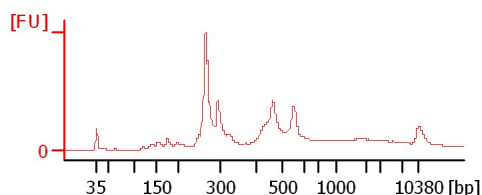
New CL4C3 Amplicon Initial Sample



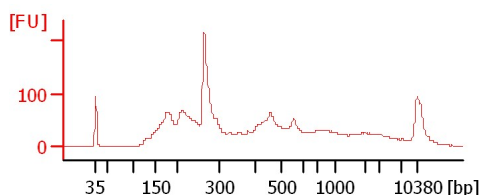
New CL4C4 Amplicon Initial Sample



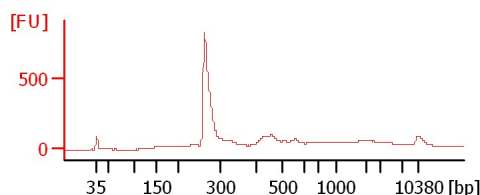
New CL4C5 Amplicon Initial Sample



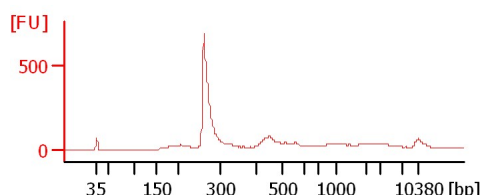
New CL4C6 Amplicon Initial Sample



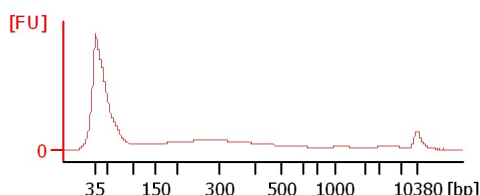
New CL4C7 Amplicon Initial Sample



New CL4C8 Amplicon Initial Sample



Diego 5 chip



Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-05-24_16-59-02.xad

Created: 5/24/2011 4:59:02 PM
Modified: 5/24/2011 6:37:27 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
HS3A Post 10 cycles amplification		☐	✓			
HS3C Post 10 cycles amplification		☐	✓			
New CL4C1 Amplicon Initial Sample		☐	✓			
New CL4C2 Amplicon Initial Sample		☐	✓			
New CL4C3 Amplicon Initial Sample		☐	✓			
New CL4C4 Amplicon Initial Sample		☐	✓			
New CL4C5 Amplicon Initial Sample		☐	✓			
New CL4C6 Amplicon Initial Sample		☐	✓			
New CL4C7 Amplicon Initial Sample		☐	✓			
New CL4C8 Amplicon Initial Sample		☐	✓			
Diego 5 chip		☐	✓			
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-05-24_16-59-02.xad

Created: 5/24/2011 4:59:02 PM
Modified: 5/24/2011 6:37:27 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] : 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

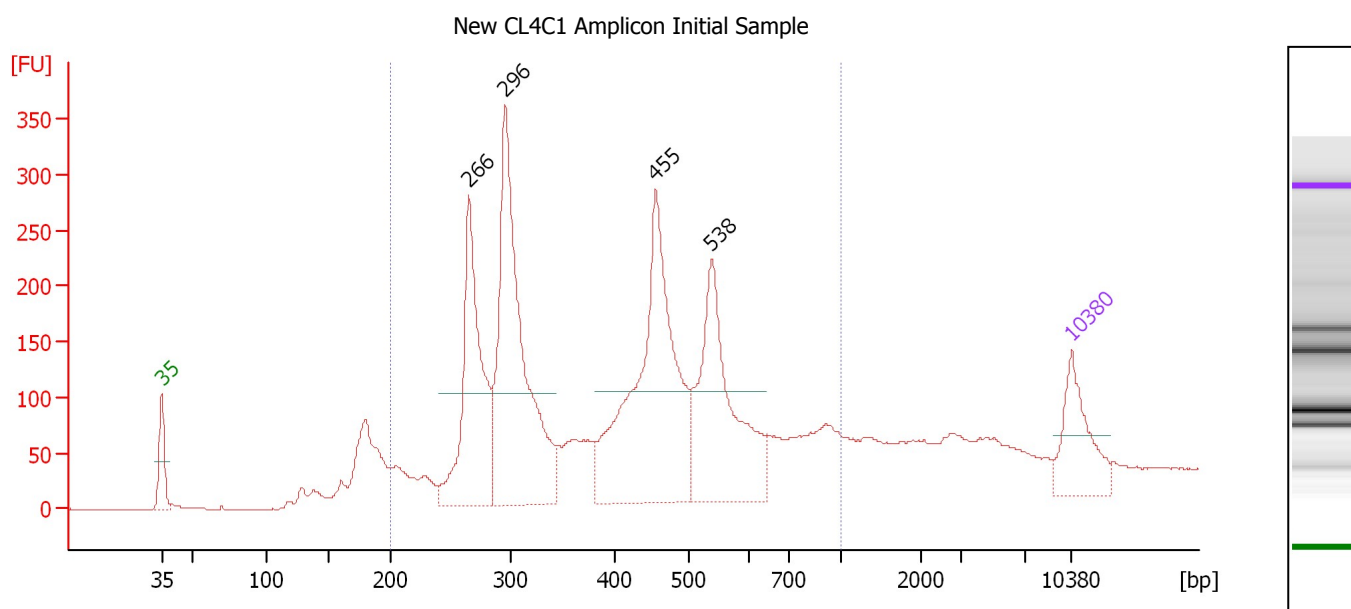
Ladder

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: D:\...gh Sensitivity DNA Assay_DE24802235_2011-05-24_16-59-02.xad

Created: 5/24/2011 4:59:02 PM
 Modified: 5/24/2011 6:37:27 PM

Electropherogram Summary



Setpoint Deviations for sample 3 : New CL4C1 Amplicon Initial Sample

Height Threshold [FU] : 100

Overall Results for sample 3 : New CL4C1 Amplicon Initial Sample

Number of peaks found: 4 Corr. Area 1: 4,111.7
 Noise: 0.2

Peak table for sample 3 : New CL4C1 Amplicon Initial Sample

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	266	316.71	1,805.6	
3	296	491.43	2,511.4	
4	455	458.87	1,528.3	
5	538	284.24	800.1	
6	10,380	75.00	10.9	Upper Marker

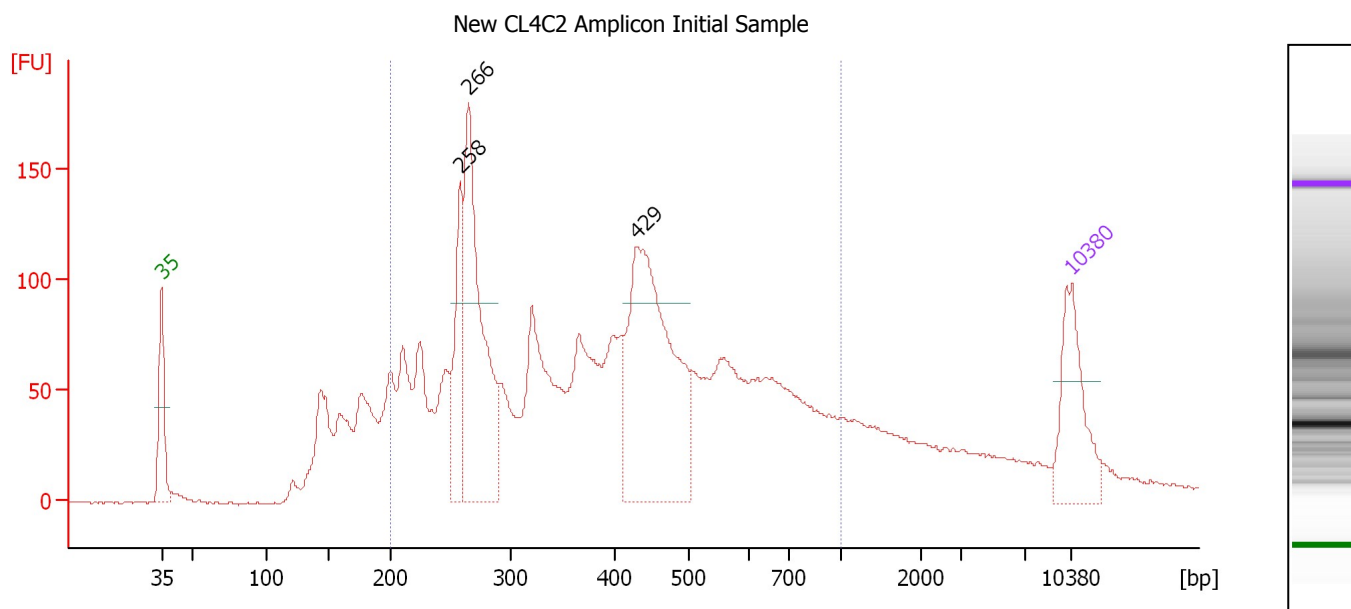
Region table for sample 3 : New CL4C1 Amplicon Initial Sample

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	4,111.7	76	438	37.7	1,800.65	7,425.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-05-24_16-59-02.xad

Created: 5/24/2011 4:59:02 PM
 Modified: 5/24/2011 6:37:27 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 4 : New CL4C2 Amplicon Initial Sample

Height Threshold [FU] : 90

Overall Results for sample 4 : New CL4C2 Amplicon Initial Sample

Number of peaks found: 3 Corr. Area 1: 2,919.3
 Noise: 0.4

Peak table for sample 4 : New CL4C2 Amplicon Initial Sample

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	258	112.07	657.1	
3	266	291.91	1,663.7	
4	429	338.45	1,196.4	
5	10,380	75.00	10.9	Upper Marker

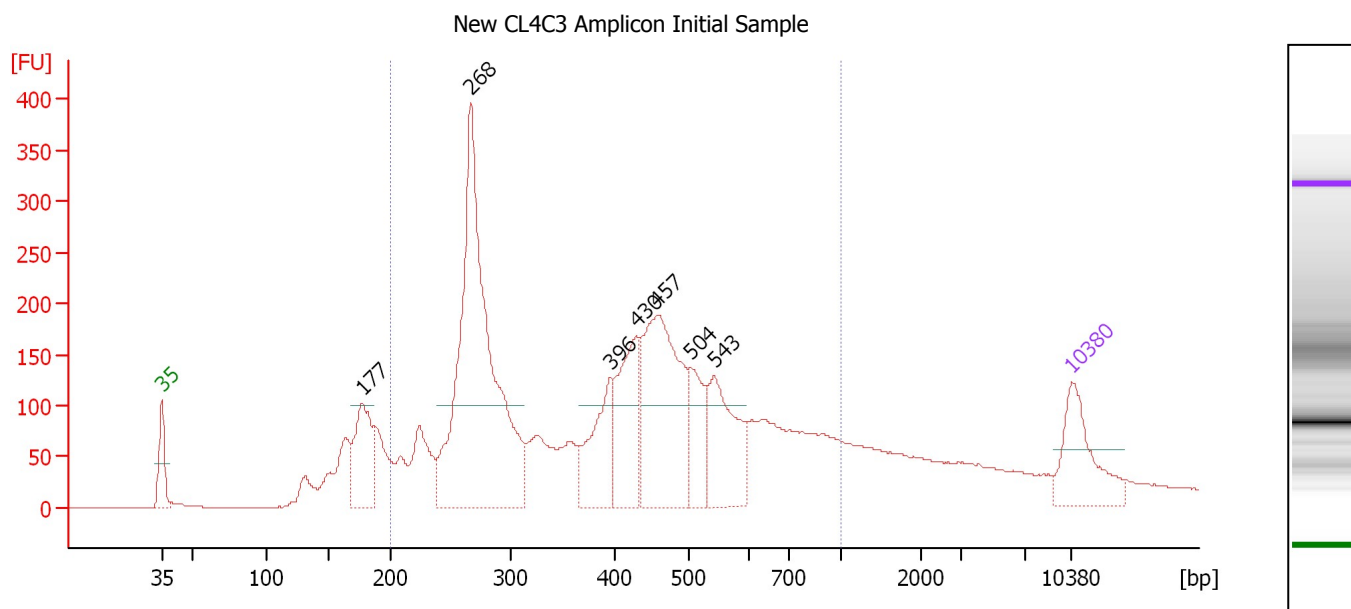
Region table for sample 4 : New CL4C2 Amplicon Initial Sample

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	2,919.3	75	427	40.8	1,922.71	8,438.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-05-24_16-59-02.xad

Created: 5/24/2011 4:59:02 PM
 Modified: 5/24/2011 6:37:27 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 5 : New CL4C3 Amplicon Initial Sample

Height Threshold [FU] : 100

Overall Results for sample 5 : New CL4C3 Amplicon Initial Sample

Number of peaks found: 7 Corr. Area 1: 4,585.9
 Noise: 0.4

Peak table for sample 5 : New CL4C3 Amplicon Initial Sample

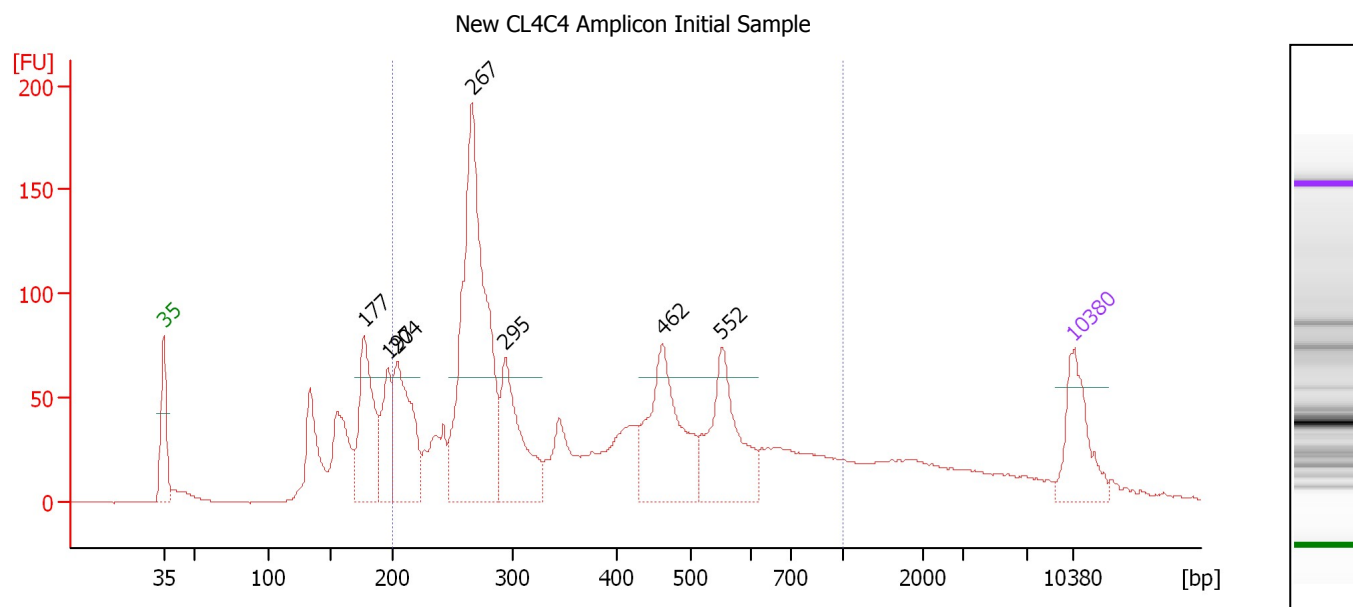
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	177	122.26	1,044.5	
3	268	645.32	3,652.5	
4	396	112.41	429.9	
5	430	132.99	468.7	
6	457	272.81	905.2	
7	504	78.57	236.1	
8	543	127.75	356.6	
9	10,380	75.00	10.9	Upper Marker

Region table for sample 5 : New CL4C3 Amplicon Initial Sample

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	4,585.9	75	435	39.5	1,850.17	7,873.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-05-24_16-59-02.xad

Created: 5/24/2011 4:59:02 PM
 Modified: 5/24/2011 6:37:27 PM

Electropherogram Summary Continued ...**Setpoint Deviations for sample 6 : New CL4C4 Amplicon Initial Sample**

Height Threshold [FU] : 60

Overall Results for sample 6 : New CL4C4 Amplicon Initial Sample

Number of peaks found: 7 Corr. Area 1: 1,921.0
 Noise: 0.4

Peak table for sample 6 : New CL4C4 Amplicon Initial Sample

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	177	188.45	1,612.5	
3	197	92.89	715.3	
4	204	183.63	1,361.2	
5	267	566.27	3,216.2	
6	295	170.17	874.9	
7	462	211.25	692.5	
8	552	165.07	453.2	
9	10,380	75.00	10.9	Upper Marker

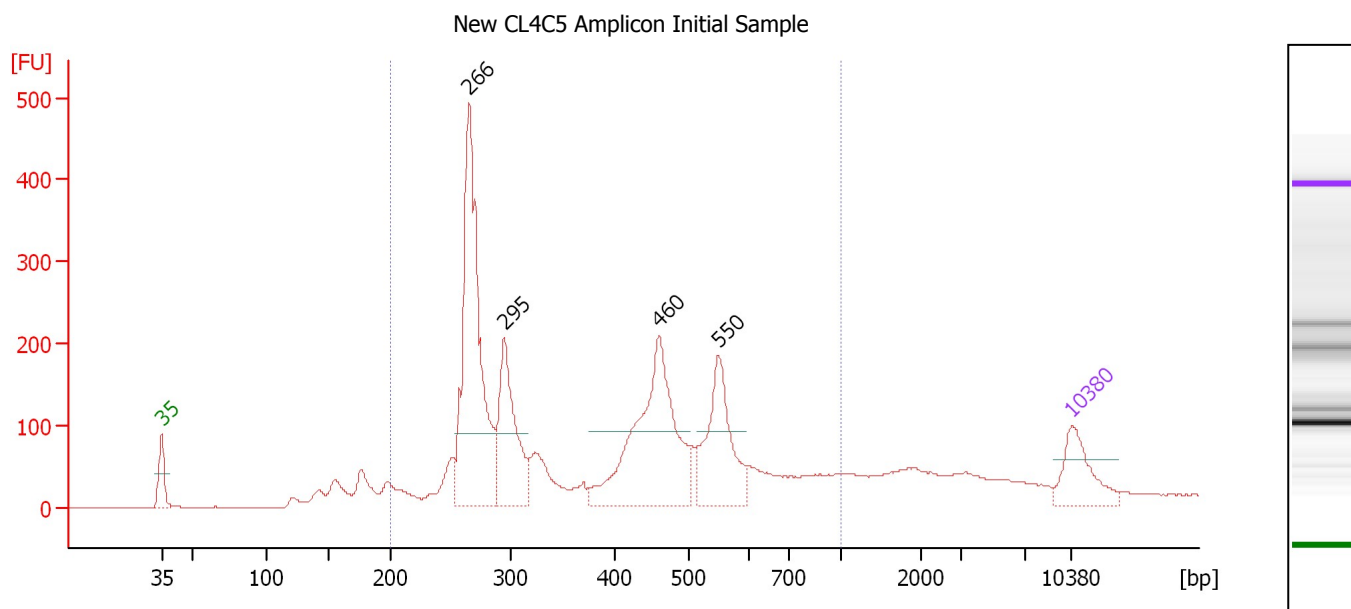
Region table for sample 6 : New CL4C4 Amplicon Initial Sample

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	1,921.0	70	403	43.0	1,789.80	8,335.5	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-05-24_16-59-02.xad

Created: 5/24/2011 4:59:02 PM
 Modified: 5/24/2011 6:37:27 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 7 : New CL4C5 Amplicon Initial Sample

Height Threshold [FU] : 90

Overall Results for sample 7 : New CL4C5 Amplicon Initial Sample

Number of peaks found: 4 Corr. Area 1: 3,363.8
 Noise: 0.3

Peak table for sample 7 : New CL4C5 Amplicon Initial Sample

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	266	618.15	3,518.0	
3	295	241.06	1,237.5	
4	460	427.75	1,408.7	
5	550	212.17	585.0	
6	10,380	75.00	10.9	Upper Marker

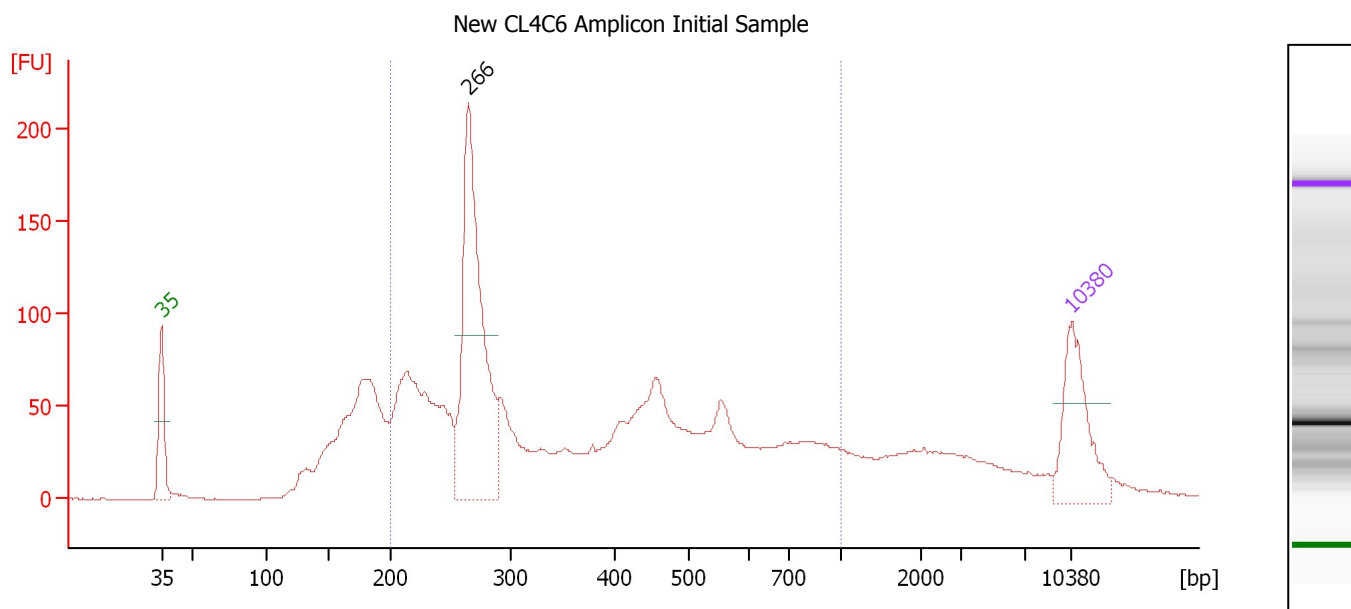
Region table for sample 7 : New CL4C5 Amplicon Initial Sample

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	3,363.8	79	415	38.5	1,865.74	8,174.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-05-24_16-59-02.xad

Created: 5/24/2011 4:59:02 PM
 Modified: 5/24/2011 6:37:27 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 8 : New CL4C6 Amplicon Initial Sample

Height Threshold [FU] : 90

Overall Results for sample 8 : New CL4C6 Amplicon Initial Sample

Number of peaks found: 1 Corr. Area 1: 2,065.4
 Noise: 0.3

Peak table for sample 8 : New CL4C6 Amplicon Initial Sample

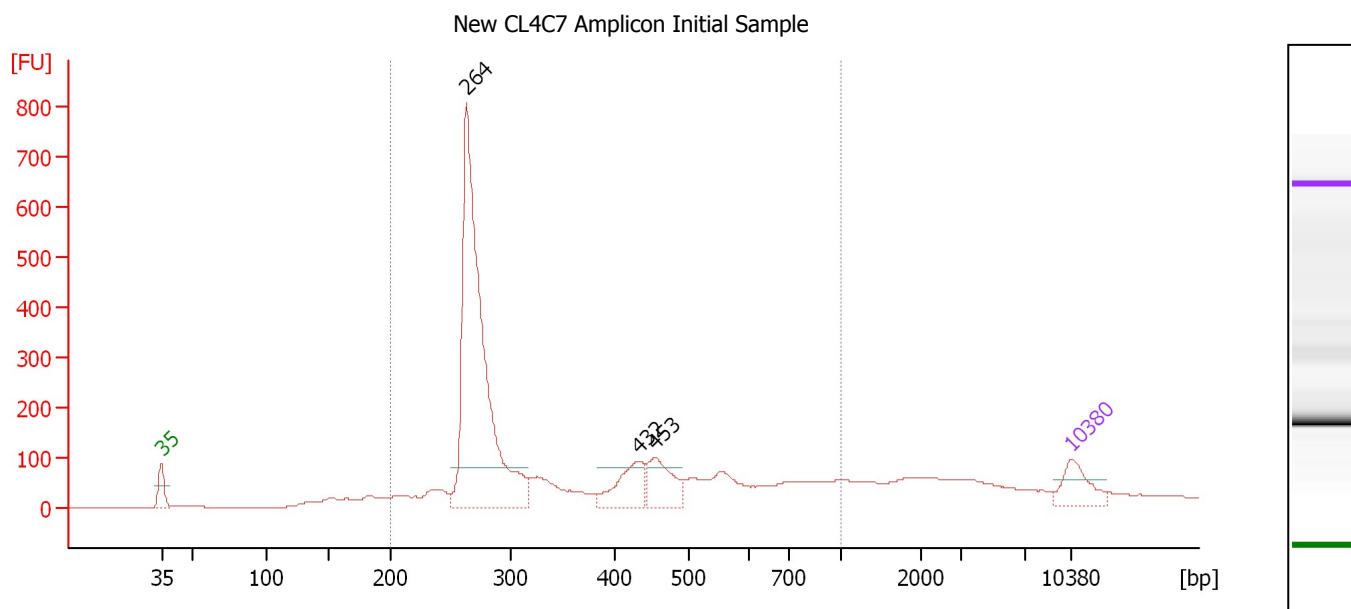
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	266	342.84	1,955.4	
3	10,380	75.00	10.9	Upper Marker

Region table for sample 8 : New CL4C6 Amplicon Initial Sample

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	2,065.4	69	405	45.0	1,280.70	6,026.4	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-05-24_16-59-02.xad

Created: 5/24/2011 4:59:02 PM
 Modified: 5/24/2011 6:37:27 PM

Electropherogram Summary Continued ...**Setpoint Deviations for sample 9 : New CL4C7 Amplicon Initial Sample**

Height Threshold [FU] : 80

Overall Results for sample 9 : New CL4C7 Amplicon Initial Sample

Number of peaks found: 3 Corr. Area 1: 3,679.3
 Noise: 0.2

Peak table for sample 9 : New CL4C7 Amplicon Initial Sample

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	264	1,278.52	7,336.3	
3	432	141.42	495.7	
4	453	137.64	460.0	
5	10,380	75.00	10.9	Upper Marker

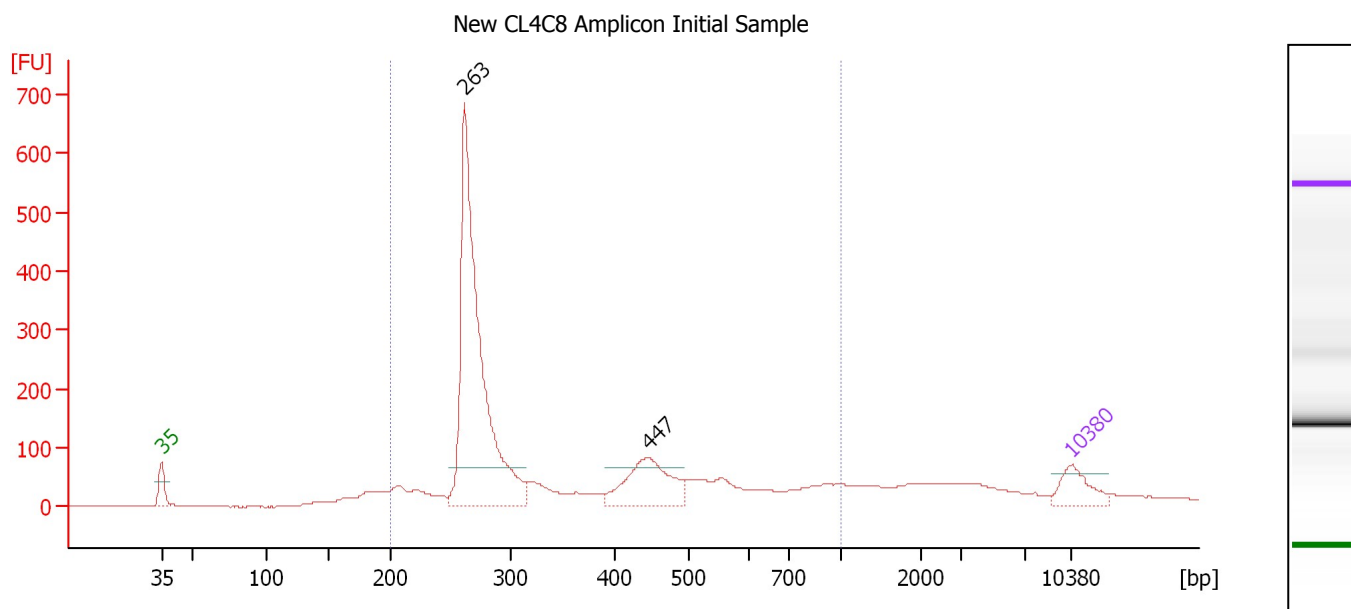
Region table for sample 9 : New CL4C7 Amplicon Initial Sample

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	3,679.3	75	391	44.6	2,143.97	10,126.0	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-05-24_16-59-02.xad

Created: 5/24/2011 4:59:02 PM
 Modified: 5/24/2011 6:37:27 PM

Electropherogram Summary Continued ...



Setpoint Deviations for sample 10 : New CL4C8 Amplicon Initial Sample

Height Threshold [FU] : 65

Overall Results for sample 10 : New CL4C8 Amplicon Initial Sample

Number of peaks found: 2 Corr. Area 1: 2,863.9
 Noise: 0.3

Peak table for sample 10 : New CL4C8 Amplicon Initial Sample

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	263	1,264.03	7,292.9	
3	447	260.26	882.9	
4	10,380	75.00	10.9	Upper Marker

Region table for sample 10 : New CL4C8 Amplicon Initial Sample

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	2,863.9	77	379	44.6	2,065.04	9,975.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: D:\...gh Sensitivity DNA Assay_DE24802235_2011-05-24_16-59-02.xad

Created: 5/24/2011 4:59:02 PM
Modified: 5/24/2011 6:37:27 PM

Gel Image