



**PCR Quantification Detailed Report**  
**PCR Base Line Subtracted Curve Fit Data (FAM)**  
Contains All Available Data

**General Data**

Data File Name	Luitpold Salivary DNA GAPDH 5-25-11.opd
Data File Path	C:\Program Files\Bio-Rad\iQ5\Users\Craig
Collected Data	<b>Collected Data</b>
Current Date	5/25/2011 4:43:44 PM
Run Date	5/25/2011 1:39:44 PM
User aborted the run	No
Active RMEs	Original
Active Well Factors	Dynamic
Background Readings Valid	No, data is 335 day(s) old.
RME Valid	Yes
Well Factors Valid	No, data is 705 day(s) old.
Plate Setup File Name	Luitpold Salivary DNA GAPDH 5-25-11.pts
Plate Setup File Path	C:\Program Files\Bio-Rad\iQ5\Users\Craig
Protocol File Name	SYBR green 1.tmo
Protocol File Path	C:\Program Files\Bio-Rad\iQ5\Users\Ryan
Computer name	HP30948312737
Created by app	iQ5.exe (v2.0.148.60623. (OS-Microsoft Windows NT 5.1.2600.0.Service Pack 2, CLR-1.1.4322.2032, Culture-en-US).)
Created by user	BioRad\admin
Creation Date	5/25/2011 1:39:44 PM
Created in Security Edition	No
Last Creation GUID	c45dbb56-cf32-48fb-8a79-1c0559a8affe
Modified by user	BioRad\admin
Last modified date	5/25/2011 1:39:44 PM
OS Build and Service Pack	2600 (Service Pack 2)
Report differs from last save	No

**Notes:**

**Protocol:**

Cycle 1: (1X)		
Step 1:	95.0 °C	for 00:30.
Cycle 2: (40X)		
Step 1:	95.0 °C	for 00:05.
Step 2:	60.0 °C	for 00:10.
Data collection and real-time analysis enabled.		
Cycle 3: (1X)		
Step 1:	95.0 °C	for 00:05.
Cycle 4: (1X)		
Step 1:	65.0 °C	for 00:10.
Cycle 5: (61X)		

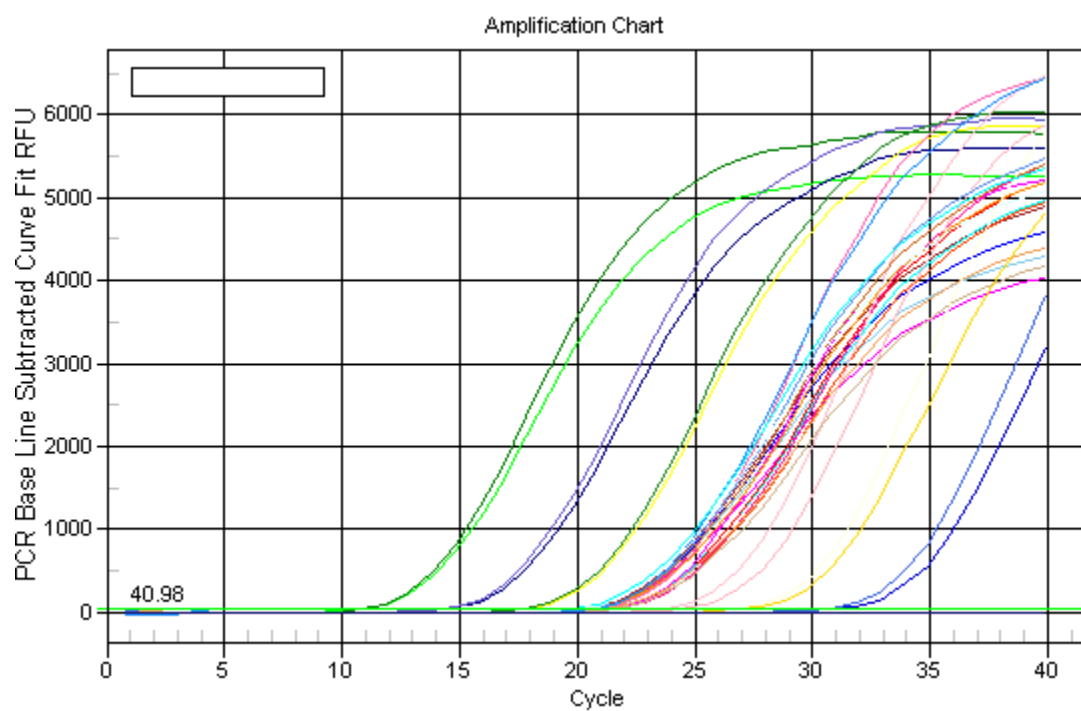
Step 1: 65.0 °C-95.0 °C for 00:10.  
Increase set point temperature after cycle 2 by 0.5 °C  
Melt curve data collection and analysis enabled.

**Modified Protocol:**

Protocol unchanged

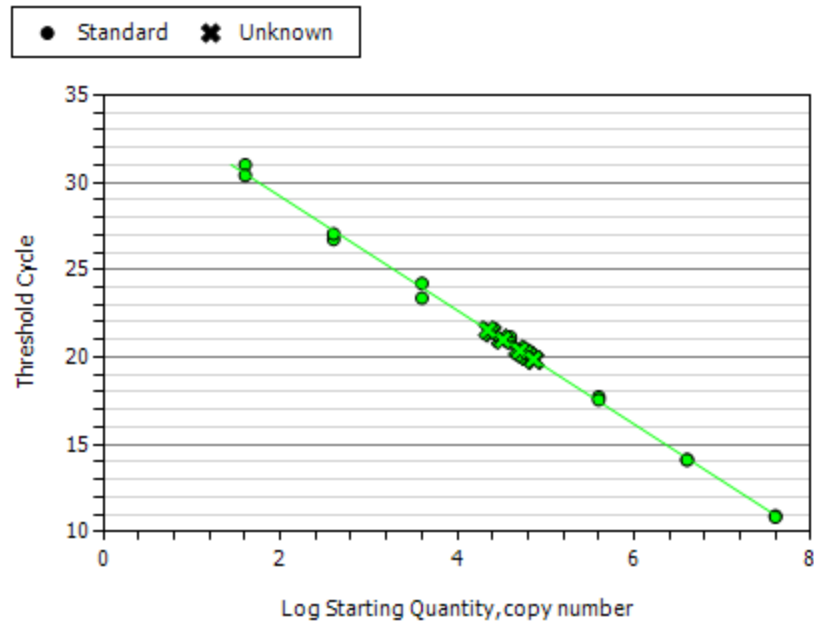
## PCR Quantification Data

### PCR Amp/Cycle Chart



## Standard Curve Data

### Standard Curve Chart



Fluor	PCR Efficiency(%)	R Squared	Slope	y-Intercept
FAM	102.9	0.998	-3.255	35.703

Fluor	Units Changed?	Quantity Units	Original Units
FAM	No	copy number	copy number

Number of valid standard wells: **None**

### Standard Curve Spreadsheet Data

Fluor	Well	Type	Ident.	Rep	Ct	Log SQ	SQ	SQ Mean	SQ SD	Ct Mean	Ct SD	Set Point
FAM	A01	Std	-	1	10.92	7.602	4.00E+07	4.00E+07	0.00E+00	10.89	0.047	N/A
FAM	A02	Std	-	1	10.85	7.602	4.00E+07	4.00E+07	0.00E+00	10.89	0.047	N/A
FAM	A04	Unkn	4330 d64	1	20.22	4.756	5.70E+04	6.04E+04	4.78E+03	20.14	0.112	N/A
FAM	A05	Unkn	4330 d64	1	20.06	4.805	6.38E+04	6.04E+04	4.78E+03	20.14	0.112	N/A
FAM	A07	Unkn	4661 d64	5	20.12	4.788	6.13E+04	6.23E+04	1.36E+03	20.10	0.031	N/A
FAM	A08	Unkn	4661 d64	5	20.08	4.801	6.32E+04	6.23E+04	1.36E+03	20.10	0.031	N/A
FAM	B01	Std	-	2	14.13	6.602	4.00E+06	4.00E+06	0.00E+00	14.13	0.006	N/A
FAM	B02	Std	-	2	14.12	6.602	4.00E+06	4.00E+06	0.00E+00	14.13	0.006	N/A
FAM	C01	Std	-	3	17.74	5.602	4.00E+05	4.00E+05	0.00E+00	17.65	0.125	N/A
FAM	C02	Std	-	3	17.56	5.602	4.00E+05	4.00E+05	0.00E+00	17.65	0.125	N/A
FAM	C04	Unkn	4331 d64	2	21.06	4.498	3.15E+04	3.13E+04	2.17E+02	21.07	0.010	N/A
FAM	C05	Unkn	4331 d64	2	21.08	4.494	3.12E+04	3.13E+04	2.17E+02	21.07	0.010	N/A
FAM	C07	Unkn	4662 d64	6	21.40	4.395	2.48E+04	2.44E+04	6.04E+02	21.42	0.035	N/A
FAM	C08	Unkn	4662 d64	6	21.45	4.380	2.40E+04	2.44E+04	6.04E+02	21.42	0.035	N/A
FAM	D01	Std	-	4	21.15	4.602	4.00E+04	4.00E+04	0.00E+00	21.00	0.213	N/A
FAM	D02	Std	-	4	20.85	4.602	4.00E+04	4.00E+04	0.00E+00	21.00	0.213	N/A
FAM	E01	Std	-	5	23.38	3.602	4.00E+03	4.00E+03	0.00E+00	23.80	0.593	N/A
FAM	E02	Std	-	5	24.22	3.602	4.00E+03	4.00E+03	0.00E+00	23.80	0.593	N/A
FAM	E04	Unkn	4655 d64	3	20.34	4.720	5.24E+04	5.03E+04	2.97E+03	20.40	0.084	N/A
FAM	E05	Unkn	4655 d64	3	20.46	4.683	4.82E+04	5.03E+04	2.97E+03	20.40	0.084	N/A
FAM	E07	Unkn	4664 d64	7	20.99	4.520	3.31E+04	2.77E+04	7.65E+03	21.27	0.395	N/A
FAM	E08	Unkn	4664 d64	7	21.55	4.348	2.23E+04	2.77E+04	7.65E+03	21.27	0.395	N/A
FAM	F01	Std	-	6	26.74	2.602	4.00E+02	4.00E+02	0.00E+00	26.90	0.223	N/A
FAM	F02	Std	-	6	27.05	2.602	4.00E+02	4.00E+02	0.00E+00	26.90	0.223	N/A

FAM	G01	Std	-	7	31.01	1.602	4.00E+01	4.00E+01	0.00E+00	30.70	0.428	N/A
FAM	G02	Std	-	7	30.40	1.602	4.00E+01	4.00E+01	0.00E+00	30.70	0.428	N/A
FAM	G04	Unkn	4656 d64	4	20.21	4.758	5.73E+04	5.43E+04	4.24E+03	20.29	0.110	N/A
FAM	G05	Unkn	4656 d64	4	20.37	4.710	5.13E+04	5.43E+04	4.24E+03	20.29	0.110	N/A
FAM	G07	Unkn	4665 d64	8	19.82	4.878	7.55E+04	7.43E+04	1.69E+03	19.85	0.032	N/A
FAM	G08	Unkn	4665 d64	8	19.87	4.864	7.32E+04	7.43E+04	1.69E+03	19.85	0.032	N/A
FAM	H01	NTC	-	1	N/A	N/A	0.00E+00	0.00E+00	0.00E+00	.00	0.000	N/A
FAM	H02	NTC	-	1	N/A	N/A	0.00E+00	0.00E+00	0.00E+00	.00	0.000	N/A

## **Run Parameters**

Hot Start? **No**  
Temperature Control Mode: **Algorithmic**  
Volume: **25 ul**

## **Data Analysis Parameters**

### ***Display Controls***

Fluor      Display Mode  
FAM      SinglePoint

### ***Data Selection***

Fluor      Data Window      Center  
Size  
FAM      99%      End

### ***Digital Filtering***

Fluor      Global Filter      PCR Digital      Smoothing Filter  
Enabled?      Filter Type      Desired Width  
FAM      Off      Weighted Mean      5

### ***PCR Data Analysis Method***

Fluor      Data Analysis Method  
FAM      PCR Base Line Subtracted Curve Fit

## **PCR Baseline Data Analysis Parameters**

### ***Baseline Calculation***

Fluor      Baseline      Auto Baseline      Global Baseline Cycles  
Method      Cycle Calculation?      Start      End  
FAM      Data Window      Yes      N/A      N/A

***Overriden Baseline Cycles***      None

### ***Threshold Calculation***

Fluor      Use Auto      Auto Calculated      User Defined  
Threshold?      Threshold Value      Threshold Value  
FAM      Yes      40.98      40.98

***Excluded Wells***

Excluded Well Count: 0

***Modified Wells***

Modified Well Count: 0

**End**