



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

General Data

Data File Name	Luitpold PBMC DNA GAPDH 10-19-11.opd
Data File Path	C:\Program Files\Bio-Rad\iQ5\Users\Craig
Collected Data	Collected Data
Current Date	10/19/2011 2:47:19 PM
Run Date	10/19/2011 1:06:31 PM
User aborted the run	No
Active RMEs	Original
Active Well Factors	Dynamic
Background Readings Valid	Yes
RME Valid	Yes
Well Factors Valid	Yes
Plate Setup File Name	Luitpold PBMC DNA GAPDH 10-19-11.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	10/19/2011 1:06:31 PM
Created in Security Edition	No
Last Creation GUID	e0c9a5a0-5a15-4f2a-b82c-450feba0d106
Modified by user	BioRad\admin
Last modified date	10/19/2011 1:06:31 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		

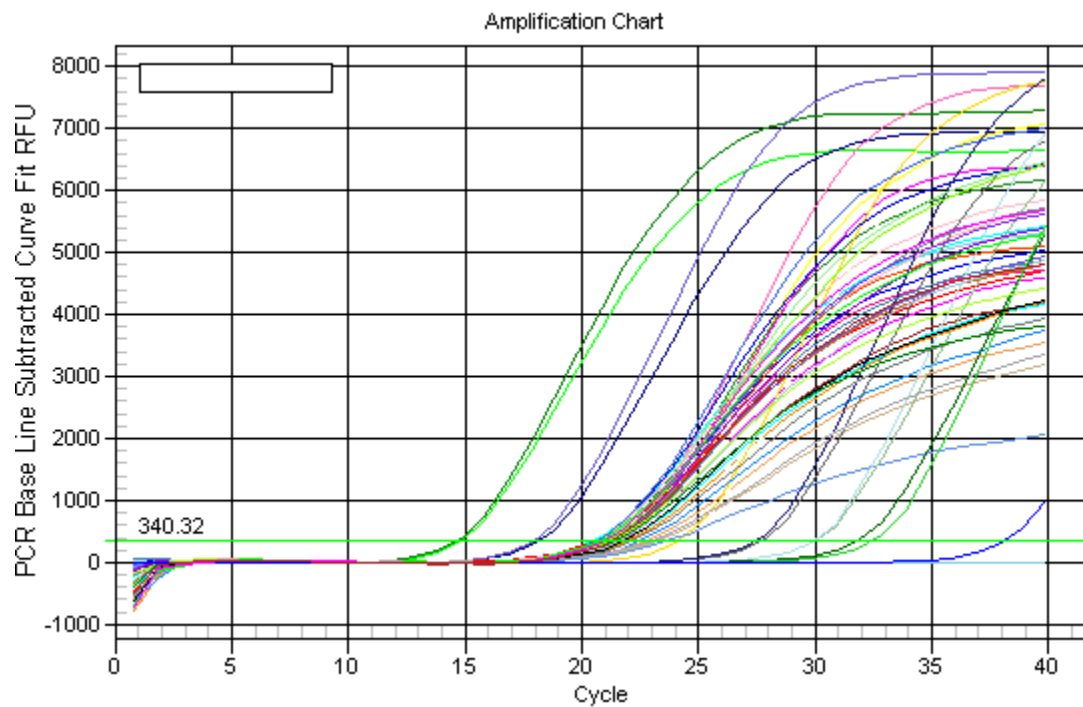
Melt curve data collection and analysis enabled.

Modified Protocol:

Protocol unchanged

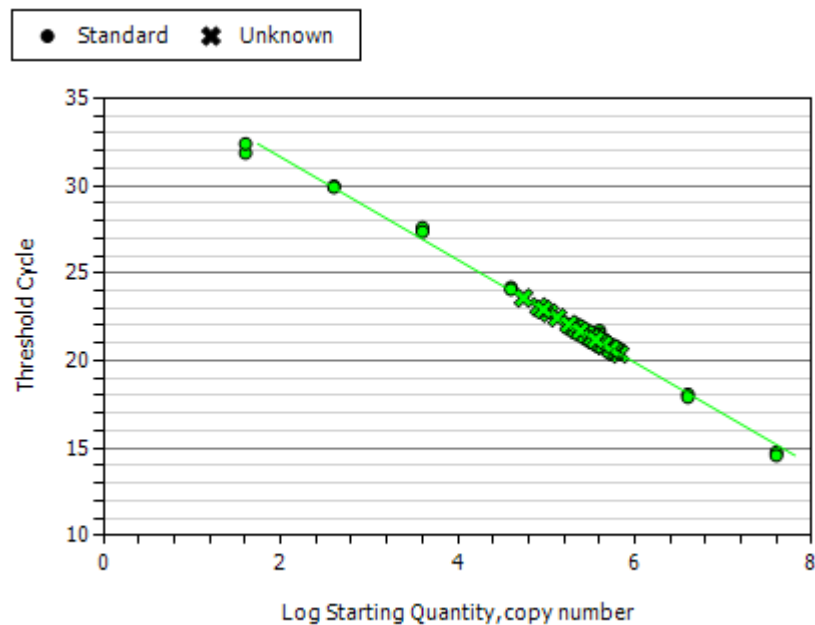
PCR Quantification Data

PCR Amp/Cycle Chart



Standard Curve Data

Standard Curve Chart



Fluor	PCR	R	Slope	y-Intercept
	Efficiency(%)	Squared		
FAM	119.3	0.994	-2.932	37.494

Fluor	Units	Quantity	Original
	Changed?	Units	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	14.77	7.602	4.00E+07	4.00E+07	0.00E+00	14.68	0.132	N/A
FAM	A02	Std	-	1	14.58	7.602	4.00E+07	4.00E+07	0.00E+00	14.68	0.132	N/A
FAM	A07	Unkn	4326	6	20.52	5.788	6.13E+05	5.32E+05	1.15E+05	20.72	0.277	N/A
FAM	A08	Unkn	4326	6	20.92	5.654	4.51E+05	5.32E+05	1.15E+05	20.72	0.277	N/A
FAM	A10	Unkn	4662	14	21.43	5.479	3.01E+05	2.66E+05	4.97E+04	21.60	0.239	N/A
FAM	A11	Unkn	4662	14	21.77	5.364	2.31E+05	2.66E+05	4.97E+04	21.60	0.239	N/A
FAM	B01	Std	-	2	18.08	6.602	4.00E+06	4.00E+06	0.00E+00	18.00	0.117	N/A
FAM	B02	Std	-	2	17.92	6.602	4.00E+06	4.00E+06	0.00E+00	18.00	0.117	N/A
FAM	B04	Unkn	4331	1	21.62	5.415	2.60E+05	3.37E+05	1.09E+05	21.32	0.418	N/A
FAM	B05	Unkn	4331	1	21.03	5.616	4.13E+05	3.37E+05	1.09E+05	21.32	0.418	N/A
FAM	B07	Unkn	4651	7	20.39	5.832	6.79E+05	6.03E+05	1.07E+05	20.56	0.228	N/A
FAM	B08	Unkn	4651	7	20.72	5.722	5.27E+05	6.03E+05	1.07E+05	20.56	0.228	N/A
FAM	B10	Unkn	4660	15	21.28	5.530	3.39E+05	3.31E+05	1.04E+04	21.31	0.040	N/A
FAM	B11	Unkn	4660	15	21.34	5.510	3.24E+05	3.31E+05	1.04E+04	21.31	0.040	N/A
FAM	C01	Std	-	3	21.72	5.602	4.00E+05	4.00E+05	0.00E+00	21.63	0.126	N/A
FAM	C02	Std	-	3	21.54	5.602	4.00E+05	4.00E+05	0.00E+00	21.63	0.126	N/A
FAM	C04	Unkn	4652	2	20.54	5.781	6.04E+05	5.18E+05	1.22E+05	20.76	0.302	N/A
FAM	C05	Unkn	4652	2	20.97	5.636	4.32E+05	5.18E+05	1.22E+05	20.76	0.302	N/A
FAM	C07	Unkn	4653	8	21.07	5.602	4.00E+05	2.98E+05	1.45E+05	21.52	0.644	N/A
FAM	C08	Unkn	4653	8	21.98	5.291	1.96E+05	2.98E+05	1.45E+05	21.52	0.644	N/A
FAM	C10	Unkn	4665	16	22.73	5.036	1.09E+05	9.58E+04	1.82E+04	22.90	0.244	N/A
FAM	C11	Unkn	4665	16	23.07	4.919	8.29E+04	9.58E+04	1.82E+04	22.90	0.244	N/A
FAM	D01	Std	-	4	24.18	4.602	4.00E+04	4.00E+04	0.00E+00	24.13	0.076	N/A
FAM	D02	Std	-	4	24.08	4.602	4.00E+04	4.00E+04	0.00E+00	24.13	0.076	N/A
FAM	D04	Unkn	4656	3	20.58	5.768	5.86E+05	5.83E+05	3.48E+03	20.59	0.008	N/A
FAM	D05	Unkn	4656	3	20.59	5.764	5.81E+05	5.83E+05	3.48E+03	20.59	0.008	N/A
FAM	D07	Unkn	4654	9	23.58	4.744	5.55E+04	9.48E+04	5.56E+04	23.02	0.794	N/A
FAM	D08	Unkn	4654	9	22.46	5.127	1.34E+05	9.48E+04	5.56E+04	23.02	0.794	N/A
FAM	D10	Unkn	4667	17	21.84	5.339	2.18E+05	2.18E+05	3.83E+02	21.84	0.002	N/A
FAM	D11	Unkn	4667	17	21.84	5.338	2.18E+05	2.18E+05	3.83E+02	21.84	0.002	N/A
FAM	E01	Std	-	5	27.60	3.602	4.00E+03	4.00E+03	0.00E+00	27.49	0.158	N/A
FAM	E02	Std	-	5	27.38	3.602	4.00E+03	4.00E+03	0.00E+00	27.49	0.158	N/A
FAM	E07	Unkn	4655	10	21.23	5.546	3.52E+05	3.57E+05	8.25E+03	21.21	0.029	N/A
FAM	E08	Unkn	4655	10	21.19	5.560	3.63E+05	3.57E+05	8.25E+03	21.21	0.029	N/A
FAM	F01	Std	-	6	29.98	2.602	4.00E+02	4.00E+02	0.00E+00	29.94	0.046	N/A
FAM	F02	Std	-	6	29.91	2.602	4.00E+02	4.00E+02	0.00E+00	29.94	0.046	N/A
FAM	F04	Unkn	4664	4	20.92	5.653	4.50E+05	4.26E+05	3.41E+04	20.99	0.102	N/A
FAM	F05	Unkn	4664	4	21.06	5.604	4.01E+05	4.26E+05	3.41E+04	20.99	0.102	N/A
FAM	F07	Unkn	4657	11	21.25	5.541	3.48E+05	3.15E+05	4.70E+04	21.38	0.191	N/A
FAM	F08	Unkn	4657	11	21.52	5.449	2.82E+05	3.15E+05	4.70E+04	21.38	0.191	N/A
FAM	F10	Unkn	4670	18	22.08	5.257	1.81E+05	1.37E+05	6.22E+04	22.50	0.600	N/A
FAM	F11	Unkn	4670	18	22.93	4.968	9.28E+04	1.37E+05	6.22E+04	22.50	0.600	N/A
FAM	G01	Std	-	7	31.87	1.602	4.00E+01	4.00E+01	0.00E+00	32.13	0.369	N/A
FAM	G02	Std	-	7	32.39	1.602	4.00E+01	4.00E+01	0.00E+00	32.13	0.369	N/A
FAM	G04	Unkn	4666	5	20.91	5.657	4.54E+05	4.27E+05	3.78E+04	20.99	0.113	N/A
FAM	G05	Unkn	4666	5	21.07	5.603	4.01E+05	4.27E+05	3.78E+04	20.99	0.113	N/A
FAM	G07	Unkn	4658	12	21.31	5.520	3.31E+05	2.87E+05	6.14E+04	21.50	0.274	N/A
FAM	G08	Unkn	4658	12	21.70	5.387	2.44E+05	2.87E+05	6.14E+04	21.50	0.274	N/A
FAM	G10	Unkn	4671	19	20.67	5.736	5.45E+05	4.38E+05	1.51E+05	20.99	0.448	N/A
FAM	G11	Unkn	4671	19	21.31	5.520	3.31E+05	4.38E+05	1.51E+05	20.99	0.448	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	38.07	N/A	0.00E+00	0.00E+00	0.00E+00	38.07	0.000	N/A
FAM	H07	Unkn	4659	13	20.92	5.652	4.48E+05	4.06E+05	5.93E+04	21.06	0.187	N/A
FAM	H08	Unkn	4659	13	21.19	5.562	3.64E+05	4.06E+05	5.93E+04	21.06	0.187	N/A

Run Parameters

Hot Start?	No	Algorithmic
Temperature Control Mode:		
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	340.32	340.32

Excluded Wells

Excluded Well Count:	0
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Modified Wells

Modified Well Count:	0
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End