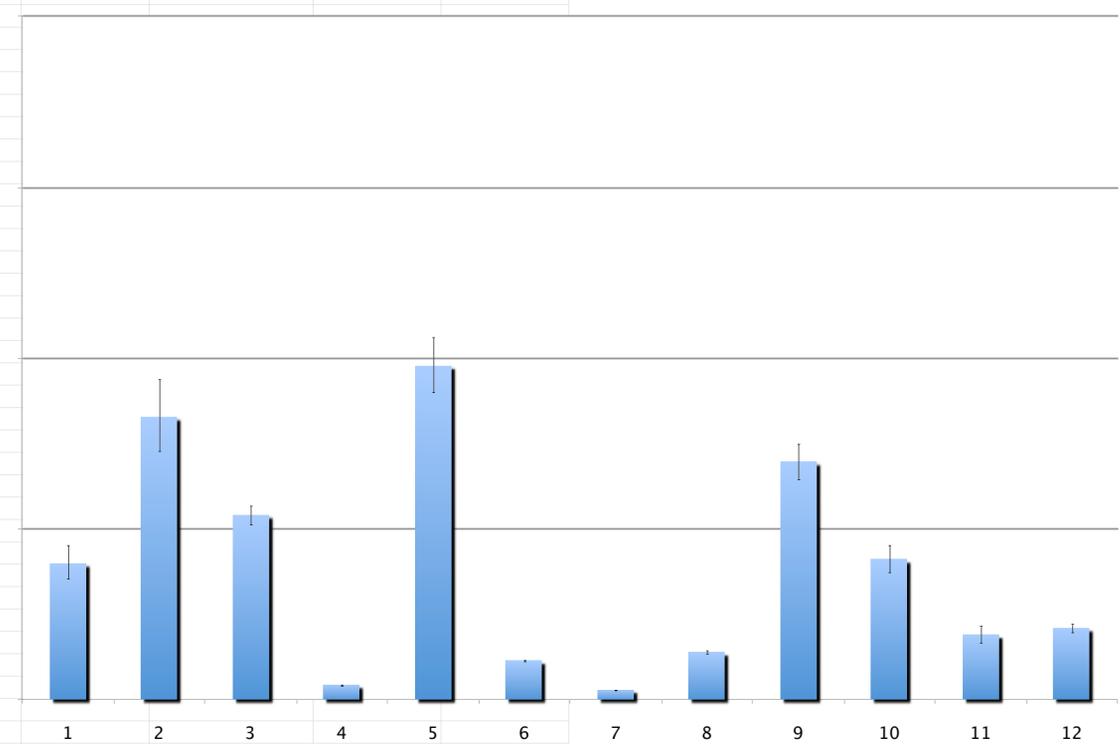Sample
Gene X
Date
All referene genes
Sample 1 Calibrator

Gene X

Sample	Detector	Task	Ct	Avg. Ct	Std. Dev.	dCt	ddCt	Propagation error	RQ	Fold change	Neg. Error	Pos. Error
1	FAM/MGB	Target	17.8332	17.7162	0.16537	-2.195651	0.000000	0.183	1.000	1.000	0.11895	0.13501
	FAM/MGB	Target	17.5993									
2	FAM/MGB	Target	17.4116	17.3630	0.06878	-3.244833	-1.049182	0.186	**2.069**	**2.069**	0.24980	0.28410
	FAM/MGB	Target	17.3143									
3	FAM/MGB	Target	17.1696	17.1460	0.03338	-2.632048	-0.436397	0.079	1.353	1.353	0.07217	0.07624
	FAM/MGB	Target	17.1224									
4	FAM/MGB	Target	22.4428	22.3670	0.10728	0.990086	3.185737	0.148	**0.110**	**-9.099**	0.01075	0.01191
	FAM/MGB	Target	22.2911									
5	FAM/MGB	Target	16.5765	16.4944	0.11611	-3.485315	-1.289664	0.120	**2.445**	**2.445**	0.19546	0.21244
	FAM/MGB	Target	16.4123									
6	FAM/MGB	Target	20.8192	20.8078	0.01612	-0.401875	1.793776	0.042	**0.288**	**-3.467**	0.00829	0.00854
	FAM/MGB	Target	20.7964									
7	FAM/MGB	Target	22.0967	22.2318	0.19097	1.550088	3.745740	0.195	**0.075**	**-13.415**	0.00944	0.01081
	FAM/MGB	Target	22.3668									
8	FAM/MGB	Target	18.5036	18.4994	0.00583	-0.686152	1.509500	0.063	**0.351**	**-2.847**	0.01498	0.01565
	FAM/MGB	Target	18.4953									
9	FAM/MGB	Target	16.5768	16.5420	0.04912	-2.998120	-0.802468	0.114	1.744	1.744	0.13206	0.14288
	FAM/MGB	Target	16.5073									
10	FAM/MGB	Target	18.5884	18.4966	0.12985	-2.237892	-0.042241	0.144	1.030	1.030	0.09793	0.10822
	FAM/MGB	Target	18.4048									
11	FAM/MGB	Target	20.2593	20.1296	0.18351	-1.129163	1.066489	0.200	**0.477**	**-2.094**	0.06183	0.07103
	FAM/MGB	Target	19.9998									
12	FAM/MGB	Target	19.4313	19.4752	0.06210	-1.266193	0.929458	0.093	0.525	-1.905	0.03280	0.03498
	FAM/MGB	Target	19.5191									

Sample	Gene X	Neg. Error	Pos. Error
1	1.00000	0.11895	0.13501
2	2.06936	0.24980	0.28410
3	1.35322	0.07217	0.07624
4	0.10990	0.01075	0.01191
5	2.44471	0.19546	0.21244
6	0.28842	0.00829	0.00854
7	0.07455	0.00944	0.01081
8	0.35123	0.01498	0.01565
9	1.74408	0.13206	0.14288
10	1.02971	0.09793	0.10822
11	0.47748	0.06183	0.07103
12	0.52506	0.03280	0.03498

All referene genes

Sample	Detector	Task	bActin Ct	18S Ct	GAPDH Ct	Avg. Ct	Std. Dev. bActin	Std. Dev. 18S	Std. Dev. GAPDH
1	VIC/MGB	Endogenous Co	19.5745	17.4435	22.7890	19.9119	0.0109	0.0145	0.0755
	VIC/MGB	Endogenous Co	19.5591	17.4229	22.6822				
2	VIC/MGB	Endogenous Co	21.2271	17.2405	23.5300	20.6078	0.1616	0.0437	0.0411
	VIC/MGB	Endogenous Co	20.9985	17.1788	23.4719				
3	VIC/MGB	Endogenous Co	19.2084	16.9828	23.2128	19.7780	0.0522	0.0491	0.0025
	VIC/MGB	Endogenous Co	19.1346	16.9133	23.2163				
4	VIC/MGB	Endogenous Co	26.1295	13.0973	25.0188	21.3769	0.0812	0.0586	0.0227
	VIC/MGB	Endogenous Co	26.0146	13.0145	24.9867				
5	VIC/MGB	Endogenous Co	19.9699	16.7892	23.1496	19.9797	0.0104	0.0291	0.0037
	VIC/MGB	Endogenous Co	19.9846	16.8304	23.1549				
6	VIC/MGB	Endogenous Co	20.9365	18.0074	24.7150	21.2097	0.0086	0.0340	0.0168
	VIC/MGB	Endogenous Co	20.9487	17.9593	24.6912				
7	VIC/MGB	Endogenous Co	20.0933	17.3291	24.6098	20.6817	0.0387	0.0115	0.0090
	VIC/MGB	Endogenous Co	20.1480	17.3129	24.5970				
8	VIC/MGB	Endogenous Co	17.9859	16.7271	22.8275	19.1856	0.0504	0.0361	0.0086
	VIC/MGB	Endogenous Co	18.0572	16.6760	22.8397				
9	VIC/MGB	Endogenous Co	18.9878	16.8900	22.7205	19.5402	0.0874	0.0026	0.0534
	VIC/MGB	Endogenous Co	19.1114	16.8863	22.6450				
10	VIC/MGB	Endogenous Co	20.0506		23.7024	20.7345	0.0331	0.0325	0.0421
	VIC/MGB	Endogenous Co	20.0975	18.3742	23.7619				
11	VIC/MGB	Endogenous Co	20.9099	17.7534	25.1550	21.2587	0.0026	0.0780	0.0160
	VIC/MGB	Endogenous Co	20.9136	17.6430	25.1776				
12	VIC/MGB	Endogenous Co	19.4824	17.3622	25.3140	20.7414	0.0631	0.0287	0.0007
	VIC/MGB	Endogenous Co	19.5716	17.4028	25.3150				

Gene X (bar chart, y-axis: 0, 1.25000, 2.50000, 3.75000, 5.00000; x-axis: samples 1–12)