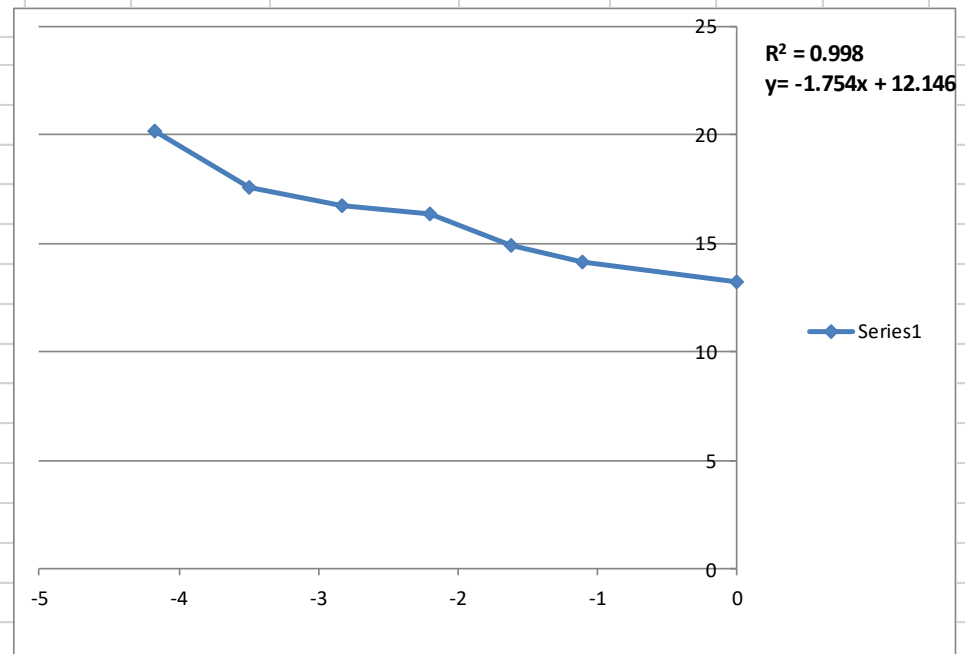


PCR efficiency and standard curve GAPDH

dilution	cDNA	Δln cDN	CT
1x	1	0	13.21
2x	0.333	-1.1	14.15
4x	0.2	-1.61	14.93
8x	0.111	-2.2	16.31
16x	0.059	-2.83	16.74
32x	0.03	-3.5	17.54
64x	0.015	-4.17	20.18
linear regr. of Ck			-1.58
d			12.68
y = kx + d			

slope (calc. for 10x dil.) -1.09
PCR efficiency 1.886



SUMMARY OUTPUT

Regression Statistics

Multiple R	0.999
R Square	0.998
Adjusted R Square	0.998
Standard Error	0.13
Observations	4

ANOVA

	df	SS	MS	F	Significance F
Regression	1	21.49	21.4861	1279.2925	0.00078
Residual	2	0.034	0.0168		
Total	3	21.52			

RESIDUAL OUTPUT

Observed and Predicted Residuals

1	14.06	0.085
2	15.08	-0.15
3	16.25	0.062
4	20.18	0.003

	Coefficient	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	11.88	0.142	83.7951	0.0001424	11.2714	12.49	11.27	12.49
1	-1.99	0.056	-35.767	0.0007808	-2.22635	-1.75	-2.23	-1.75

PCR efficiency and standard curve of Circ_25279

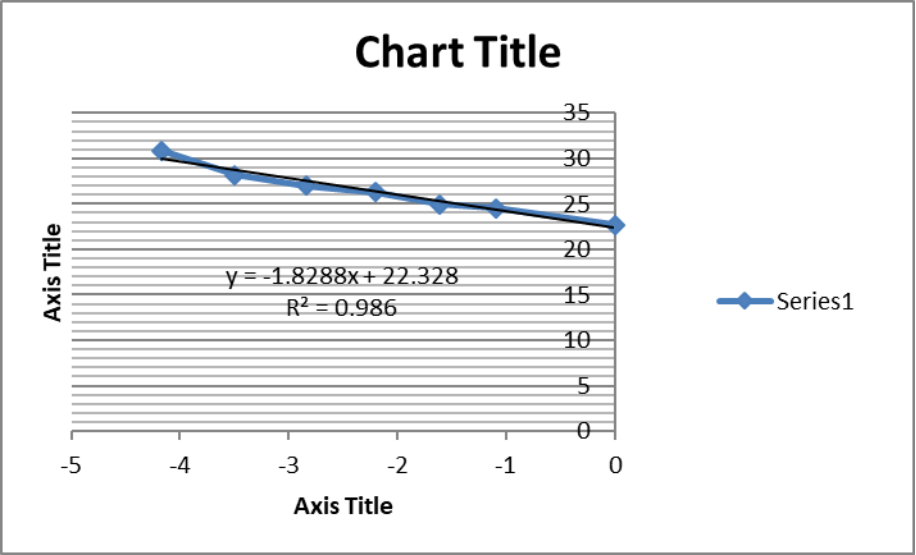
dilution	cDNA amount	In cDNA	CT
1x	1	0	22.67
2x	0.333333	-1.09861	24.5
4x	0.2	-1.60944	24.97
8x	0.111111	-2.19722	26.31
16x	0.058824	-2.83321	26.98
32x	0.030303	-3.49651	28.18
64x	0.015385	-4.17439	30.87
linear regr. of Ct / ln(DNA):		k	-1.54536
		d	22.69424
		y = kx + d	
slope (calc. for 10x dil.)			-1.07116
PCR efficiency			1.909988

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.99342
R Square	0.986883
Adjusted R Square	0.982511
Standard Error	0.197742
Observations	5

RESIDUAL OUTPUT

Observation	Predicted		Residuals
	22.67		
1	24.39801		0.101994
2	25.19423		-0.22423
3	26.11042		0.199584
4	27.10173		-0.12173
5	28.13561		0.044388



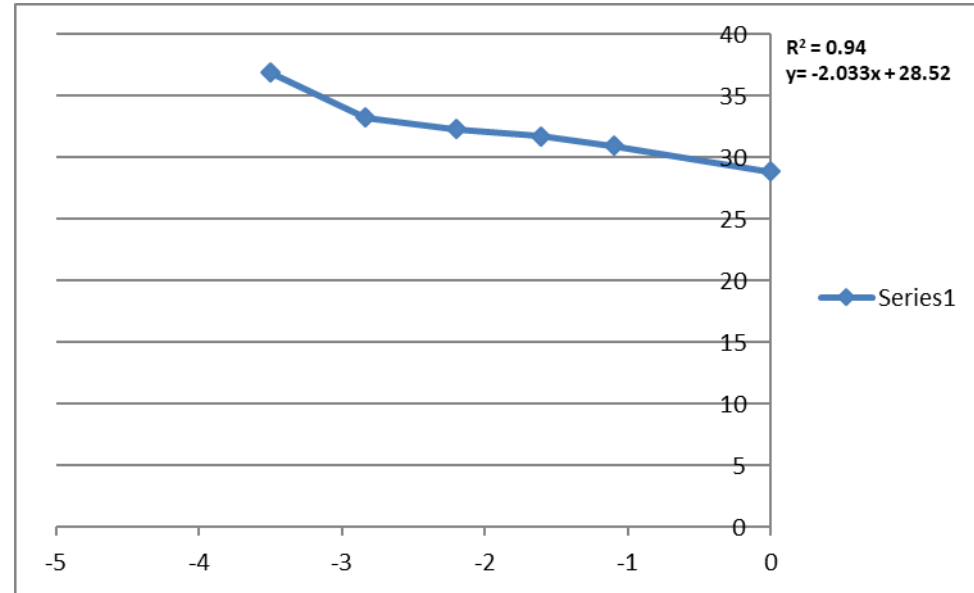
ANOVA

	df	SS	MS	F	Significance
					F
Regression	1	8.825774	8.825774	225.7124	0.00064
Residual	3	0.117306	0.039102		
Total	4	8.94308			

	Coefficients		Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	22.6856		0.249334	90.9847	2.93E-06	21.8921	23.47909	21.8921	23.47909
0	-1.5587		0.103749	-15.0237	0.00064	-1.88888	-1.22853	-1.88888	-1.22853

PCR efficiency and standard curve of Circ 03409

dilution	cDNA amount	ln cDNA	CT
1x	1	0	28.88
2x	0.333333	-1.09861	30.94
4x	0.2	-1.60944	31.73
8x	0.111111	-2.19722	32.32
16x	0.058824	-2.83321	33.23
32x	0.030303	-3.49651	36.88
64x	0.015385	-4.17439	
linear regr. of Ct / ln(DNA):		k	-1.51375
		d	29.07718
		$y = kx + d$	
		slope (calc. for 10x dil.)	-1.04925
		PCR efficiency	1.935978



SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.99715
R Square	0.943076
Adjusted R Square	0.991461
Standard Error	0.089267
Observations	4

ANOVA

	df	SS	MS	F	Significance F
Regression	1	2.783763	2.783763	349.345	0.00285
Residual	2	0.015937	0.007969		
Total	3	2.7997			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	29.56547	0.140475	210.4678	2.26E-05	28.96105	30.16988	28.96105	30.16988
0	-1.28683	0.068848	-18.6908	0.00285	-1.58306	-0.9906	-1.58306	-0.9906

RESIDUAL OUTPUT

<i>Observation</i>	<i>Predicted</i> 28.88	<i>Residuals</i>
1	30.9792	-0.0392
2	31.63654	0.093457
3	32.39293	-0.07293
4	33.21134	0.018665