c (ng/ul)	log c
75	1.875061
7.5	0.875061
0.75	-0.1249387
0.075	-1.1249387
0.0075	-2.1249387
0.00075	-3.1249387

GAPDH		gen 1		g
Vzorek	Ct	Vzorek	Ct	Vzorek
undil		undil		undil
undil		undil		undil
undil		undil		undil
undil		∅		∅
undil		10x		10x
undil		10x		10x
∅		10x		10x
10x		∅		∅
10x		100x		100x
10x		100x		100x
10x		100x		100x
10x		∅		∅
10x		1000x		1000x
∅		1000x		1000x
100x		1000x		1000x
100x		∅		∅
100x		10 000x		10 000x
100x		10 000x		10 000x
100x		10 000x		10 000x
100x		∅		∅
∅		100 000x		100 000x
1000x		100 000x		100 000x
1000x		100 000x		100 000x
1000x		∅		∅
1000x				
1000x				
1000x				
∅				
10 000x				
10 000x				
10 000x				
10 000x				

10 000x	
10 000x	
∅	
100 000x	
100 000x	
100 000x	
100 000x	
100 000x	
100 000x	
∅	

Kontroly

NTC		
GAPDH	gen 1	gen 2
noRT		
GAPDH	gen 1	gen 2

GRAF

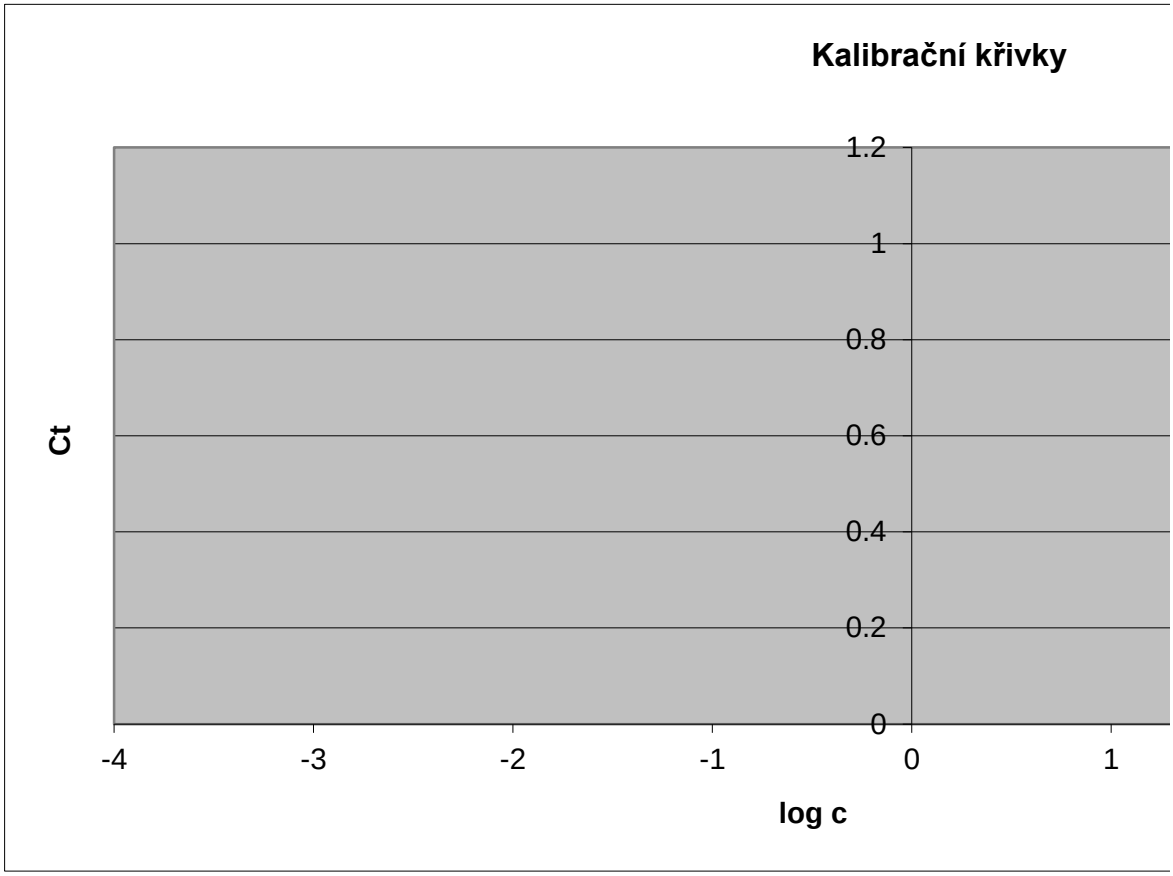
log c	GAPDH	gen 1	gen 2
1.875061			
0.875061			
-0.1249387			
-1.1249387			
-2.1249387			
-3.1249387			

en 2
Ct

a)

b)

c)



GAPDH y =

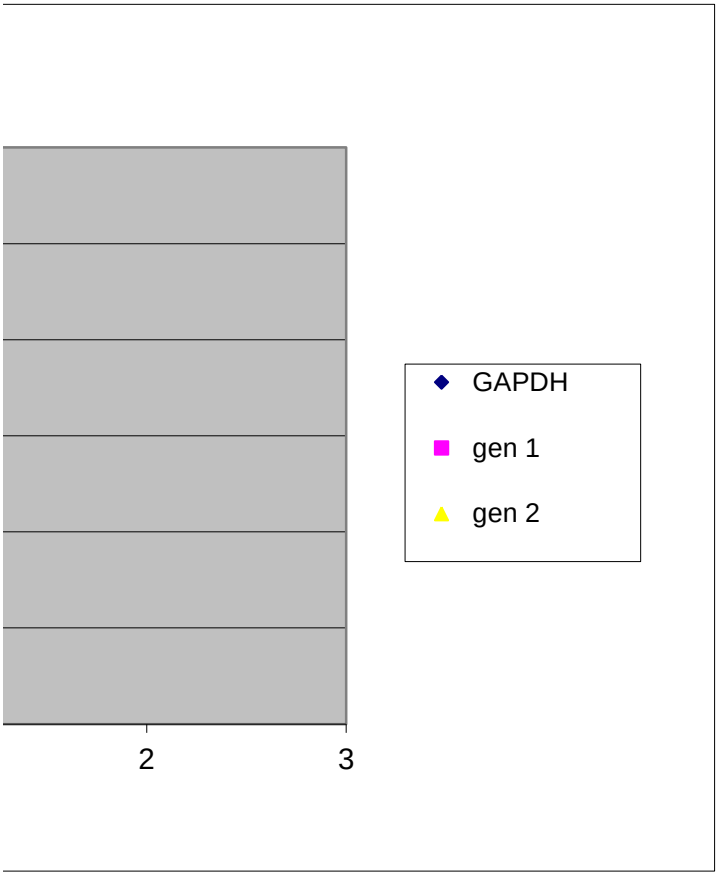
E = (10^-1/k - 1) x 100 = %

gen 1 y =

E = (10^-1/k - 1) x 100 = %

gen 2 y =

E = (10^-1/k - 1) x 100 = %


2
3
GAPDH
gen 1
gen 2

S 20% FBS

GAPDH		gen 1	
Vzorek	**Ct**	**Vzorek**	**Ct**
cDNA		cDNA	
cDNA		cDNA	
cDNA		cDNA	
∅		∅	
EtOH 1µl		EtOH 1µl	
EtOH 1µl		EtOH 1µl	
EtOH 1µl		EtOH 1µl	
∅		∅	
EtOH 2 µl		EtOH 2 µl	
EtOH 2 µl		EtOH 2 µl	
EtOH 2 µl		EtOH 2 µl	
∅		∅	
GAPDH		**gen 2**	
Vzorek	**Ct**	**Vzorek**	**Ct**
cDNA		cDNA	
cDNA		cDNA	
cDNA		cDNA	
∅		∅	
EtOH 1µl		EtOH 1µl	
EtOH 1µl		EtOH 1µl	
EtOH 1µl		EtOH 1µl	
∅		∅	
EtOH 2 µl		EtOH 2 µl	
EtOH 2 µl		EtOH 2 µl	
EtOH 2 µl		EtOH 2 µl	
∅		∅	

S 20% FBS

GAPDH		gen 1		gen 2
Vzorek	**Ct**	**Vzorek**	**Ct**	**Vzorek**
cDNA		cDNA		cDNA
cDNA		cDNA		cDNA
cDNA		cDNA		cDNA
∅		∅		∅

Bez 20% FBS

GAPDH		gen 1		gen 2
Vzorek	**Ct**	**Vzorek**	**Ct**	**Vzorek**
cDNA		cDNA		cDNA
cDNA		cDNA		cDNA
cDNA		cDNA		cDNA
∅		∅		∅

DUPLEX

Bez 20% FBS		
GAPDH		**gen 1**
Vzorek	**Ct**	**Vzorek**
cDNA		cDNA
cDNA		cDNA
cDNA		cDNA
∅		∅
GAPDH		**gen 2**
Vzorek	**Ct**	**Vzorek**
cDNA		cDNA
cDNA		cDNA
cDNA		cDNA
∅		∅

Vzorek	**gen 1**	**GAPDH**
S 20% FBS		
Bez 20% FBS		
Vzorek	**gen 2**	**GAPDH**
S 20% FBS		
Bez 20% FBS		

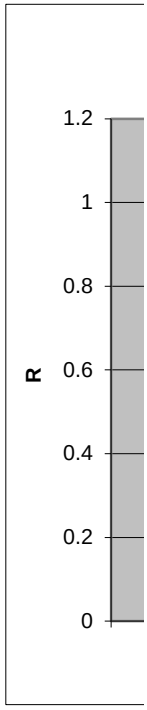
SINGLEPLEX

Ct

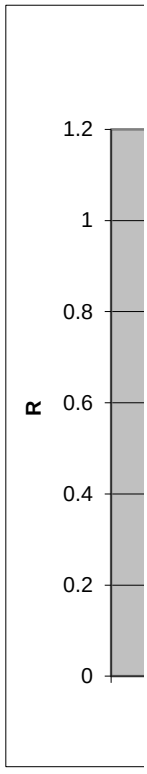
Ct

Vzorek	gen 1	GAPDH
S 20% FBS		
Bez 20% FBS		
Vzorek	gen 2	GAPDH
S 20% FBS		
Bez 20% FBS		

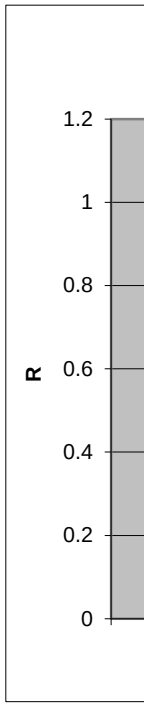
Ct
Ct

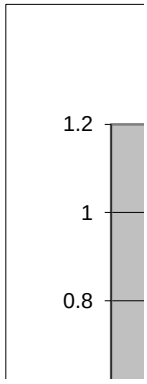


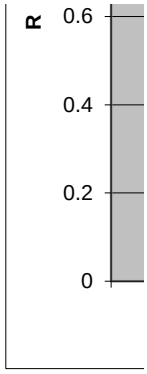
Δ Ct	**ΔΔ Ct**	**R**
Δ Ct	**ΔΔ Ct**	**R**

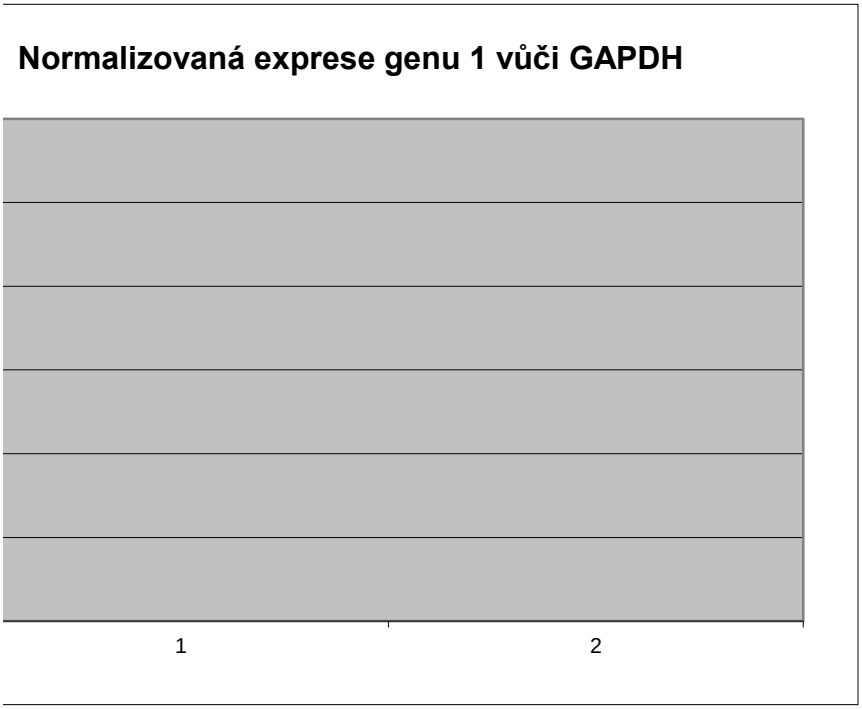


Δ Ct	ΔΔ Ct	R
Δ Ct	**ΔΔ Ct**	**R**



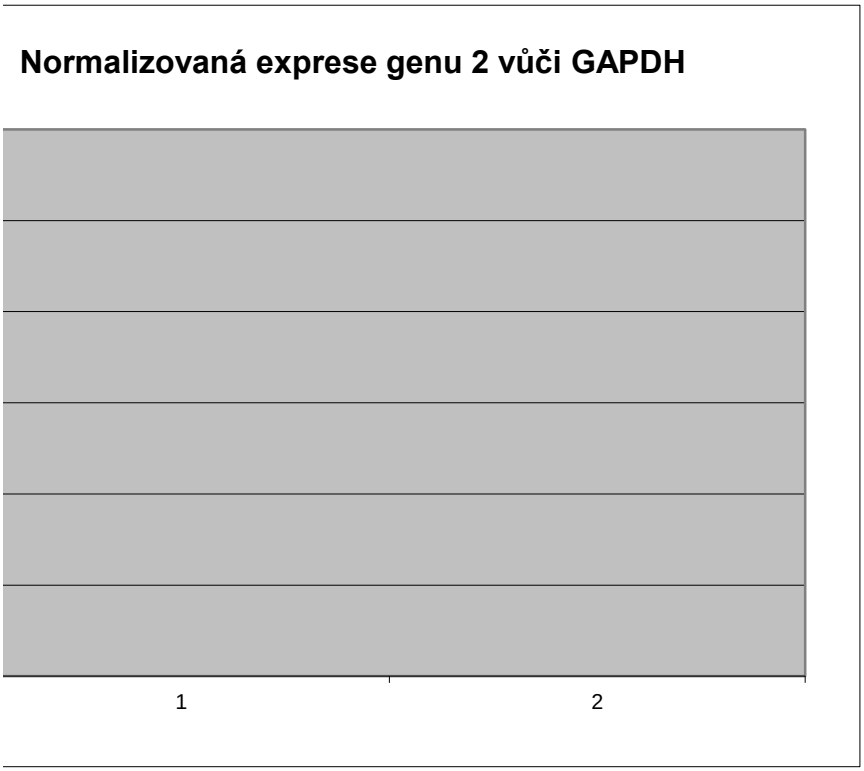



R
0.6
0.4
0.2
0

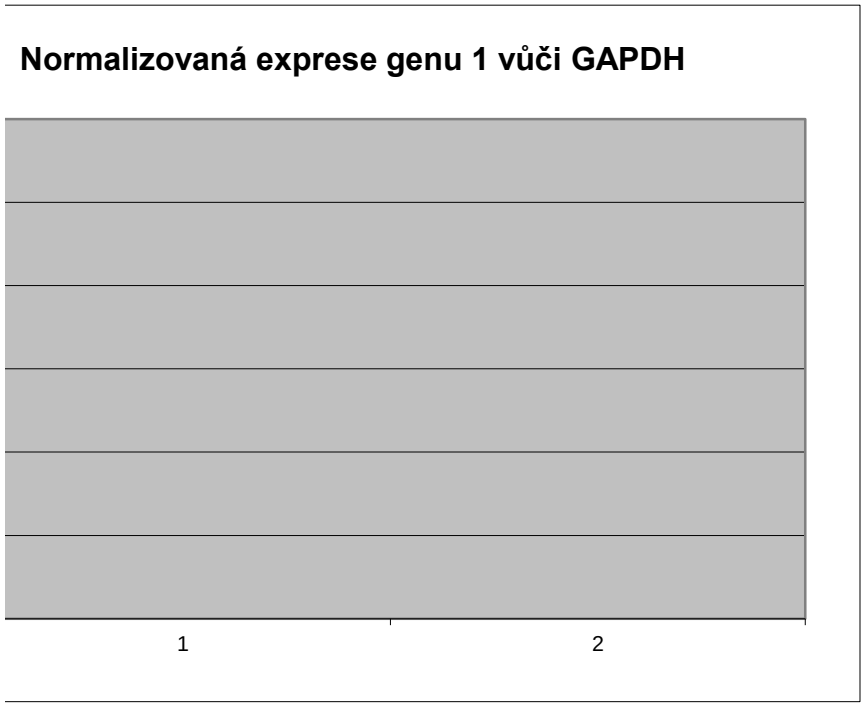


1 S 20% FBS

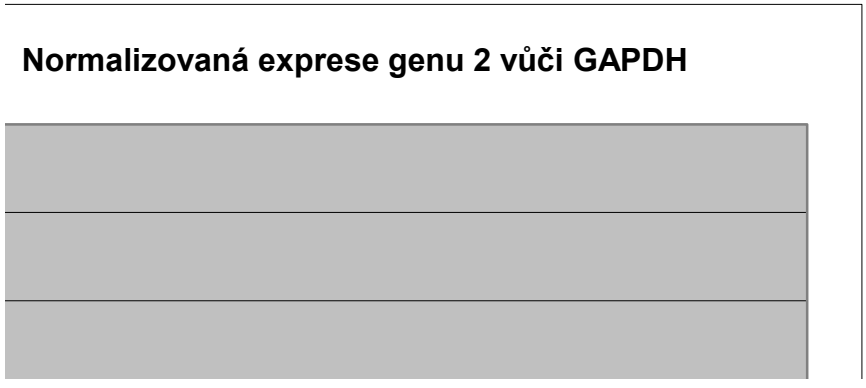
2 Bez 20% FBS

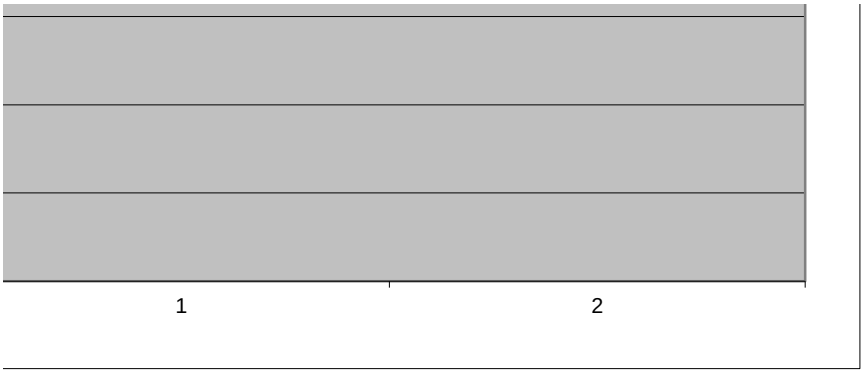


1 S 20% FBS
2 Bez 20% FBS



1 S 20% FBS
2 Bez 20% FBS





1 S 20% FBS
2 Bez 20% FBS