

Normal PCR for GFP cassettes (pGUG)

Mix

per aliquot (100 μ l):

5.0 μ l	Primer 1 (Stock: 10 μ M = 10 pmol/ μ l)
5.0 μ l	Primer 2
10.0 μ l	dNTPs (Stock: 2 mM)
1.0 μ l	template (100 – 300 ng)
10.0 μ l	10 x PCR Buffer 2 (with MgCl ₂)
6.0 μ l	MgCl ₂ (4)
62.5 μ l	H ₂ O

add separately to each tube, after heating to 95 °C (Hotstart)

0.5 μ l HiFi Polymerase (1)

Cycle Parameters

1.	95 °C	5' 00"	(to denaturate everything)
			Add Polymerase
2.	95 °C	0' 45"	
3.	56 °C	0' 45"	
4.	72 °C	4' 12"	
	GOTO 2.	REP 30 x	
5.	72 °C	30' 00"	
6.	4 °C	∞	