

## Normal PCR for GFP cassettes (pGUG)

### Mix

per aliquot (100 µl):

5.0 µl	Primer 1 (Stock: 10 µM = 10 pmol/µl)
5.0 µl	Primer 2
10.0 µl	dNTPs (Stock: 2 mM)
1.0 µl	template (100 – 300 ng)
10.0 µl	10 x PCR Buffer 2 (with MgCl <sub>2</sub> )
6.0 µl	MgCl <sub>2</sub> (4)
62.5 µl	H <sub>2</sub> O

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

0.5 µl	HiFi Polymerase (1)
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### Cycle Parameters

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