

PCR

	rTaq			Q5			Q5 Q5 Master Mix				
Composition	Name	50μL	25μL	Name	50μL	25μL	Name	50μL	25μL		
	10×buffer	5μL	2.5μL	5×Q5 buffer	10μL	5μL	Q5mast -er mix	25μL	12.5μL		
	dNTP	4μL	2μL	dNTP	4μL	2μL	Templat e	0.5-3μL	0.25- 1.5μL		
	Prime r	F	1-2.5μL	0.5-1.25μL	Prime r	F	2.5μL	Prim - er	R	2.5μL	1.25μL
		R	1-2.5μL	1-2.5μL		R	2.5μL		1.25μL	F	2.5μL
	Templat e	0.5-3μL	0.13-1.5μL	Template	0.5-3μL	0.25- 1.5 μL	ddH2O	Add to50μL	Add to25μL		
	rTaq	0.5μL	0.2μL	Q5	0.25μL	0.1μL					
ddH2O	Add to50μL	Add to25μL	ddH2O	Add to 50μL	Add to25μL						
Procedure	94°C, 5min 94°C, 30s 55°C, 30s 72°C, 1min/kb 72°C, 7min 4-12°C, ∞			98°C, 30s 98°C, 10s 55°C, 20s 72°C, 30s/kb 72°C, 2min 12°C, ∞							
	} ×30			} ×25-35							