

## Kazu Buffer Feedback Form

**Name:** Julia Lambret Frotte

**Lab:** Brutnell lab

**Material:** Setaria leaf tips

**Primer set:** Hyg Duplex PCR for transformation confirmation (SvF e SvR + HPTR e HPTF)

Insert specific primer (Fw annealing my promoter + Rv annealing YFP)

**Amplification size (kb):** 0.3 – 1.5Kb

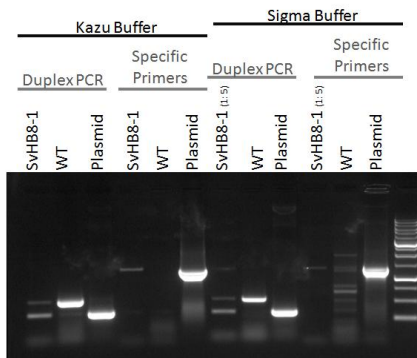
**PCR taq:** GoTaq

**PCR amplification:**

Reagent	Volume
Kazu DNA extract	2.5 µl
Taq	0.25 µl
Forward primer	1.0 µl
Reverse primer	1.0 µl
5x Green Buffer	4.0 µl
MgCl2	1.2 µl
H <sub>2</sub> O	9.55 µl
Total volume	20 µl

Step	Temperature	Time	Cycles
Initial			
Denaturation	95°C	5 min	N/A
Denaturation	95°C	0.5 min	30
Annealing	58°C	0.5 min	
Extension	72°C	1 min	
Final Extension	72°C	10 min	N/A
Hold	°C	min	N/A

**PCR Gel Picture:**



Would you prefer using Kazu Buffer over your current lab DNA extraction protocol?     Yes     No

**Why or why not?**

Easier and faster to extract than the Sigma Buffer. Also allows more flexibility than the SigmaBuffer, that apparently only works with the amplification mix provided in the kit.

**Other Comments:**