Kazu Buffer Feedback Form

Name: Dong-Yeon Lee

Lab: (Brutnell lab)

Material: Setaria leaf

Primer set: Gene specific and pZmUni-HPT

Amplification size (kb): 0.3kb and .6kb

PCR taq: Dream Taq

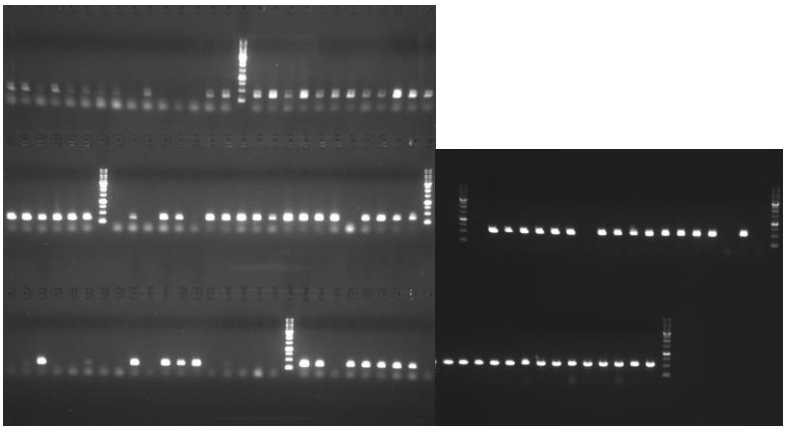
PCR amplification:

Reagent	Volume
Kazu DNA extract	2 µl
Taq	0.2 µl
Forward primer	0.5 µl
Reverse primer	0.5 µl
10x Taq Buffer	2 µl
dNTP(10mM)	0.4 µl
H_2O	14.4 µl
Total volume	20 µl

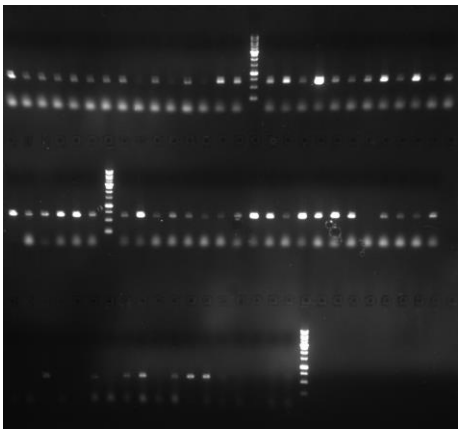
Step	Temperature	Time	Cycles
Initial Denaturation	95℃	2 min	N/A
Denaturation	95℃	10 sec	40
Annealing	58℃	10 sec	
Extension	72℃	1 min	
Final Extension	72℃	5 min	N/A
Hold	12 ℃	10 min	N/A

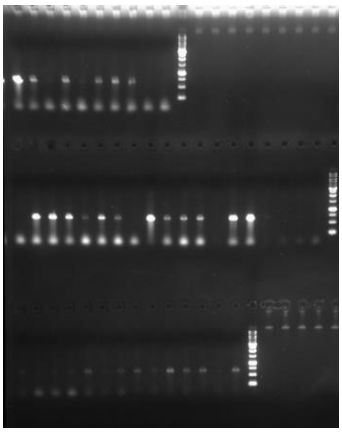
PCR Gel Picture:

<gene specific>



<pZmUbi-HPT>





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

Why or why not?

It depends on purpose of DNA usage.

Other Comments:

Feel like still need to improve some procedures for high throughput analysis for consistent results.

Please keep polishing standardization and make big improvement.