

18S rRNA - Fungi

qPCR mixture and conditions

Name	Sequence	Target	Reference
FF390	CGA TAA CGA ACG AGA CCT		
FR1	AIC CAT TCA ATC GGT AIT		Prevost-Boure et al 2011, evaluated Vainio and Hantula 2000

Reagent	Final conc.	1 tube (25 µL)	Plate (25 µL × 100)
PCR H ₂ O		1.85	185
ReadyMix (Sigma)	1X	12.5	1250
MgCl ₂ (25 mM)	3 mM	2.5	250
BSA (50 µg/µL)	0.8 µg/µL	0.4	40
FITC (1:1000)		0.25	25
364F (10 µM)	0.5µM	1.25	125
934R (10 µM)	0.5 µM	1.25	125
Template		5	5 × 100

Programme:

1. 94 °C -5'

X35 {

2. 95 °C - 30"

3. 52 °C - 45"

4. 72 °C - 30"

5. 83 °C - 10" - take snapshot}

6. **Melt curve:** 75 °C - 94.8 °C - 6". Increase by 0.2 °C