Table S2. PCR conditions used in this study.

Isolate	Locus	$MgCl_2$ (mM)	Conventional PCR[1]	TD[2]
ILFE2	ITS	4	-	TD1[3]
	tef 1-α	2,5	+	-
	TUB2	3,5	-	TD2[4]
ILFE3	ITS	3,5	-	TD3[5]
	tef 1-α	2,5	+	-
	TUB2	2,5	-	TD2
ILFE4	ITS	2	+	-
	tef 1-α	2,5	+	-
	TUB2	3,5	-	TD2
ILFE5	ITS	3,5	-	TD1
	tef 1-α	2,5	+	-
	TUB2	2,5	-	TD3

[1] Initial denaturation of 5 min at 95 °C, followed by 35 cycles of 30 seconds at 95 °C, 30 seconds at 55 °C, and 1 min at 72 °C, and a final extension step of 8 min at 72 °C.

[2] TD= Touch Down thermal cycling programs (e.g., Korbie at al. 2008)

[3] TD1- Initial denaturation of 5 min at 95 °C, followed by 7 cycles of 30 seconds at 95 °C, annealing temperature of 61°C with a decrease of 1°C per cycle, and 1 min at 72 °C, then 23 cycles of 30 seconds at 95 °C, annealing temperature of 55°C, and 1 min at 72 °C, and a final extension step of 8 min at 72 °C.

[4] TD2- Initial denaturation of 5 min at 95 °C, followed by 11 cycles of 30 seconds at 95 °C, annealing temperature of 65°C with a decrease of 1°C per cycle, and 1 min at 72 °C, then 24 cycles of 30 seconds at 95 °C, annealing temperature of 55°C, and 1 min at 72 °C, and a final extension step of 8 min at 72 °C.

[5] TD3- Initial denaturation of 5 min at 95 °C, followed by 7 cycles of 30 seconds at 95 °C, annealing temperature of 61°C with a decrease of 1°C per cycle, and 1 min at 72 °C, then 28 cycles of 30 seconds at 95 °C, annealing temperature of 55°C, and 1 min at 72 °C, and a final extension step of 8 min at 72 °C.