

Table S4: InterPro terms and protein family membership (PFAM) of the proteins predicted within the genomic region underlying the genetic marker (AT/AC-625bh) of the *F. circinatum* genome assembly (39500-48000bp on chromosome 3).

Protein name	Description	InterPro term	Protein family
FCIRG_04548	Protein of unknown function	None predicted	None predicted
FCIRG_04549	Amidohydrolase	IPR006992	PF04909
FCIRG_04550	Rhamnose mutarotase	IPR008000	PF05336
	Dimeric alpha-beta barrel	IPR011008	SSF54909
FCIRG_04551	Major facilitator super family	IPR011701	PF07690
	Major facilitator super family domain	IPR020846	SSF103473
FCIRG_04552	Transcription factor, fungi	IPR007219	PF04082
FCIRG_04553	Mandelate racemase/ Muconate lactonizing enzyme methylaspartate amonomia lyase	IPR001354	None predicted
	Endolase N-terminal domain	IPR029017	None predicted
	Endolase C-terminal domain	IPR029065	SSF51604
	Mandelate racemase/ Muconate lactonizing enzyme methylaspartate amonomia lyase conserved site	IPR013342	PF01188
FCIRG_04554	Aldo/keto reductase	IPR001395	None predicted
	NADP-dependent oxireductase domain	IPR02310	PF00248
FCIRG_04555	Major facilitator super family	IPR011701	PF07690
	Major facilitator super family domain	IPR020846	SSF103473
FCIRG_04556	Transcription factor, fungi	IPR007219	PF04082
FCIRG_04557	Aminotransferase class III	IPR015424	PF00202
	Pyridoxal phosphate dependent transferase	IPR015424	SSF53383
	Pyridoxal phosphate dependent transferase major region subdomain 1	IPRO015421	None predicted
	Pyridoxal phosphate dependent transferase major region subdomain 2	IPR015422	None predicted
FCIRG_04558	Aminotransferase class III	IPR015424	PF00202
	Pyridoxal phosphate dependent transferase	IPR015424	SSF53383
	Pyridoxal phosphate dependent transferase major region subdomain 1	IPRO015421	None predicted
	Pyridoxal Phosphate dependent transferase major region subdomain 2	IPR015422	None predicted
FCIRG_04559	Zn(II) ₂ -C ₆ fungal type DNA binding domain	IPR00138	PF00172
	Transcription factor, fungi	IPR007219	PF04082
FCIRG_04560	Peptidase M14, carboxypeptidase	IPR000834	PF00246
FCIRG_04562	RTA-like protein	IPR007568	PF04479
FCIRG_04563	Six bladed beta-propeller Tol-B-line	IPR011042	None predicted
FCIRG_04564	Protein of unknown function	IPR021369	PFR11204