

1 Additional file 7. Table S4. Relative abundance of top 15 genera in airway mycobiome differing significantly between untreated asthma and ICS
2 asthma groups.

Phylum	Class	Order	Family	Genus	More abundant (ICS vs Untreated)
Basidiomycota	Wallemiomycetes	Wallemiales	Wallemiaceae	Wallemia	Untreated asthma
	Tremellomycetes	Cystofilobasidiales	Cystofilobasidiaceae	Guehomyces	Untreated asthma
	Agaricomycetes	Agaricales	Psathyrellaceae	Coprinellus	Untreated asthma
		Cantharellales	Cantharellales_fam_Incertae_sedis	Sistotrema	ICS asthma
	Microbotryomycetes	Sporidiobolales	Sporidiobolaceae	Sporobolomyces	Untreated asthma
Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	Untreated asthma
			Sporormiaceae	unclassified_f_Sporormiaceae	ICS asthma
	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	Untreated asthma
		Chaetothyriales	Herpotrichiellaceae	Phialophora	ICS asthma
	Sordariomycetes	Hypocreales	Nectriaceae	Fusarium	ICS asthma
		Xylariales	Xylariales_fam_Incertae_sedis	Phialemoniopsis	ICS asthma
		Sordariales	Chaetomiaceae	unclassified_f_Chaetomiaceae	ICS asthma
	Leotiomycetes	Helotiales	Sclerotiniaceae	unclassified_f_Sclerotiniaceae	Untreated asthma

Mortierellomycota	Mortierellomycetes	Mortierellales	Mortierellaceae	Mortierella	ICS asthma
unclassified_k__Fun gi	unclassified_k__Fu ngi	unclassified_k__F ungi	unclassified_k__Fun gi	g__unclassified_k__Fun gi	ICS asthma