

Table S9. Arsenic metabolism genes in *A. fumigatus*.

Locus	Product Name	Afu cluster	Ortholog cluster	Top hit
Afu5g15000	arsenate reductase	Y	N	Actinobacteria
Afu1g16090	arsenate reductase	Y	N	Actinobacteria
Afu5g15010	arsenite efflux transporter	Y	Y	Fungi
Afu1g16100	arsenite efflux transporter	Y	Y	Fungi
Afu1g05760	arsenite efflux transporter	N	Y	Fungi
Afu5g15020	arsenic methyltransferase	Y	Y	Fungi
Afu1g16110	arsenic methyltransferase	Y	Y	Fungi
Afu5g15030	arsenic resistance protein	Y	Y	Proteobacteria
Afu1g16120	arsenic resistance protein	Y	Y	Proteobacteria
Afu8g07150	arsenic resistance protein	N	Y	Proteobacteria
Afu3g11350	arsenite translocating ATPase	N	Y	Fungi
Afu2g15090	arsenite efflux transporter	N	Y	Proteobacteria