

Description of Additional supplementary files

Title: Supplementary data 1 - lncRNA annotation.xlsx.

Description: Annotation for the manually curated set of 1089 novel lncRNAs. Annotation coordinates refer to lncRNA mapped against *A. fumigatus* A1163 genome sequence obtained from Ensembl Fungi (*Aspergillus_fumigatus*A1163. ASM15014v1.dna.nonchromosomal.fa). The type of lncRNA (antisense or intergenic) is indicated. For antisense lncRNA, its gene partner is also noted.

Title: Supplementary data 2 - BLAST output.xlsx

Description: BLASTn output of aligned lncRNA against 127 *Aspergillus* genomes.

Title: Supplementary data 3 - Itraconazole DE.xlsx

Description: Differential expression and hierarchical k-means clustering of expressed RNA from *A. fumigatus* after exposure to itraconazole at five different dosages.

Title: Supplementary data 4 - Multi-drug DE.xlsx

Description: Differential expression and hierarchical k-means clustering of expressed RNA from *A. fumigatus* after exposure to multiple drugs at four different dosages.

Title: Supplementary data 5 - Multi-drug clust.xlsx

Description: Clustering of transcripts with similar expression profiles across multiple drugs.

Title: Supplementary data 6 - Gene search list.xlsx

Description: Azole-associated genes used for co-localised lncRNA search.

Title: Supplementary data 7 - co-local. lncRNA.xlsx

Description: lncRNA co-localised with azole associated genes.

Title: Supplementary data 8 - Phenotypic data.xlsx

Description: Summary of validation for the phenotypic screening.

Title: Supplementary data 9 - Primer sequences.xlsx

Description: Primers used for the deletion of lncRNAs.

Title: Supplementary data 10 - Neighbour data.xlsx

Description: Neighbour analysis of protein-coding genes and lncRNA with their distances and clustering profiles.

Title: Supplementary data 11 - Sense-antisense.xlsx

Description: Summary of protein-coding genes and lncRNA that exhibit sense-antisense pairings with their intersections and clustering profiles.

Title: Supplementary data 12 - List of genomes with known azole MICs.xlsx

Description: List of genomes with known azole MICs. Genomes obtained from NCBI SRA archive with complete azole MIC data.