



Supplement Figure 1. Map of EAS clusters from *Claviceps purpurea* strain P1,14 *Claviceps fusiformis* strain SD58,8 and *Aspergillus fumigatus*. 10 Arrows indicate the directions of transcription. Black arrows indicate the genes shared in three species; shaded arrows indicate the two genes shared by *C. purpurea* and *C. fusiformis* but not *A. fumigatus*. Lines between maps connect orthologs, and dashed lines indicate the relationships of two *easH* homologues in *C. purpurea* P1 with an apparent pseudogene in