Activation of STE20/PAKA protein kinase in the dermatophyte *Trichophyton rubrum* through alternative splicing

**Supplementary Material**

**Figure S1:** Graphical representation of functional STE20/PAKA protein. **A** - Specific amino acids rich regions; **B** - Phosphorylation sites; **C** - N-myristoylation sites; **D** - N-Glycosylation and amidation sites. **E** - PEST motifs sites; **Legends:** SSR: Serine-rich region; ARR: Asparagine-rich region; GRR: Glycine-rich region; PRR: Proline-rich region; GLRR: Glutamine-rich region; PKC: Protein kinase C; CAMP: cAMP/cGMP-dependent protein kinase; CK2: Casein kinase; Myr: N-myristoylation; N-Gly: N-Glycosylation; AMD: Amidation.
**Figure S2:** Agarose gel electrophoresis (1.5%) run with PCR products from three biological replicates for validation of the *pakA/Ste20* intron-1 retention. **Legends:**

- **Gen.:** Amplification from genomic DNA (gene amplification positive control);
- **Cont.:** Control condition, culture without the presence of the UDA;
- **0h:** Amplification product from cDNA coming from the culture in medium without the presence of the drug;
- **70%:** Amplification product from cDNA coming from culture medium containing 70% of the UDA MIC;
- **MM:** Molecular weight marker (50bp).

**Table S1:** Primers used for qRT-PCR.

| Primer       | Sequence (5’-3’)                  | Tm  | %GC | Length (nt) |
|--------------|-----------------------------------|-----|-----|-------------|
| pakA-F       | GCAACTTCGTCACACAGCA               | 58  | 50  | 18          |
| pakA-R       | CAACCATTGTCTGCGGAT                | 60  | 50  | 18          |
| i-qRT-pakA.F | CACCACCTTCTTCTCC                  | 57  | 50  | 18          |
| i-qRT-pakA.R | CAGGATAGTGAGCGACAG                | 56  | 50  | 18          |
| e-qRT-pakA.F | CCAGAACTACCTCTCAAC                | 59  | 50  | 20          |
| e-qRT-pakA.R | GGAGGATGTCAGTGT                  | 59  | 50  | 18          |