

## **Supplementary Material**

### **Studying the gene expression of *Penicillium rubens* under the effect of eight essential oils**

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**Fig. S1.** Hierarchical clustering of differentially expressed genes, illustrated by the heatmap.

From 351 of genes, 74 showed low expression (red color) compared to 277 with up-regulated genes (green color).

**Table S1.** List of regulated genes.

**Table S2.** List of genes and their corresponding metabolic pathways.