**Table S2:** Number of genes belonging to clans CYP52 and CYP53 in the five fungal species.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Fungal species | Number of genes per family in clans CYP52 and CYP53 | | | | | | Total CYP in fungal genome |
|  | CYP52 | CYP539 | CYP584 | CYP655 | CYP5087 | CYP53 |  |
| *Aspergillus niger* | 5 | 1 | 4 | 0 | 1 | 1 | 154 |
| *Penicillium chrysogenum* | 5 | 1 | 1 | 0 | 0 | 2 | 98 |
| *Beauveria bassiana* | 6 | 1 | 5 | 1 | 0 | 1 | 77 |
| *Metarhizium anisopliae* | 2 | 5 | 2 | 0 | 0 | 2 | 127 |
| *Metarhizium robertsii* | 1 | 5 | 2 | 0 | 0 | 2 | 139 |