**Table S6 The size of patulin BGCs and the number of genes in the clusters from nine fungal strains**

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| **Fungal strain** | **Size of patulin biosynthetic** **gene cluster (bp)**  | **Number of patulin biosynthetic gene** | **Patulin production** |
| *A. clavatus* NRRL 1 | 41,717 | 15 | No |
| *P. expansum* d1 | 40,120 | 15 | Yes |
| *P. expansum* NRRL 35695 | 39,821 | 15 | Yes |
| *P. expansum* ATCC 24692 | 39,801 | 15 | Yes |
| *P. expansum* MD-8 | 39,748 | 15 | No |
| *P. griseofulvum* PG3 | 39,479 | 15 | Yes |
| *P. paneum* OM1 | 39,468 | 15 | Yes |
| *P. chrysogenum* Wisconsin 54-1255 | 19,173 | 6 | No |
| *P. digitatum* Pd1 | 18,598 | 8 | No |