**Table 1**

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| **Mechanism** | **Fungal species** | **References** |
| Enhanced nutrient uptake and metabolism | *P. gigantea, H. parviporum, T. versicolor, U. maydis, T. viride, F. verticillioides* | Adomas *et al*., 2006; Jonkers *et al*., 2012; Eyre *et al*., 2010; Ujor *et al*., 2012a |
| Hydrolysis of competitor cell wall | *Trichoderma species, F. verticillioides, P. coccineus* | Kubicek *et al*., 2001; Dana, 2001; Boddy, 2000; 2010; Ujor *et al*., 2012a; Ujor, 2010; Jonkers *et al*., 2012 |
| Protein stabilization and recycling | *P. gigantea, S. commune, T. versicolor, P. coccineus* | Adomas *et al*., 2006; Ujor *et al*., 2012b; Arfi *et al*., 2013; Eyre *et al*., 2010 |
| ROS production & anti-oxidation | *P. gigantea, U. maydis, F. verticillioides, T. versicolor, H. annosum* | Iakovlev *et al*., 2004; Eyre *et al*., 2010; Adomas *et al*., 2006; Jonkers *et al*., 2012 |
| Detoxification of toxic metabolites | *P. coccineus, T. versicolor, F. verticillioides, S. commune* | Arfi *et al*., 2013; Eyre *et al*., 2010; Jonkers *et al*., 2012; Ujor *et al*., 2012b; Ujor, 2010 |
| Sealing of mycelial front, attachment, and septal plugging | *P. gigantea, H. parviporum, U. maydis, S. commune, F. verticillioides, U. maydis* | Adomas *et al*., 2006; Jonkers *et al*., 2012; Eyre *et al*., 2010; Ujor *et al*., 2012b; Ujor, 2010 |
| Induction of secondary metabolism | *U. maydis, S. commune, F. verticillioides, H. annosum* | Jonkers *et al*., 2012; Eyre *et al*., 2010; Ujor *et al*., 2012b; Ujor, 2010 |

ROS – reactive oxygen species