

Table S4. Identified overexpressed DEGs (according to the DESeq2 results) in strain 385*tup1*⁻.

ID	Potential gene product	BLAST results			
		Biological process	Organism	E-value	Identity (%)
KX517884	MFS general substrate transporter/drug resistance	Transmembrane transport	<i>Metarhizium guizhouense</i>	2.6 E-127	41
KX517885	Auxin efflux carrier	Transmembrane transport	<i>Cryptococcus gattii</i>	2.0 E-80	44
KX517886	Vacuolar protein sorting 55	Intracellular protein transport	<i>Pseudozyma hubeiensis</i>	3.0 E-49	65
KX517887	Peroxisomal membrane protein 4	Intracellular protein transport/ protein import into peroxisome	<i>Rhizoctonia solani</i>	4.7 E-90	59
KX517888	Peroxin 14	Intracellular protein transport/ protein import into peroxisome	<i>Cryptococcus gattii</i>	9.0 E-31	38
KX517889	Translocator protein/TspO/MBR like protein	Mitochondrial transmembrane transport	<i>Rhizoctonia solani</i>	2.6 E-31	56
KX517890	Alpha, alpha trehalase/glycoside hydrolase family 37 protein	Carbohydrate metabolic process/cellular response to desiccation	<i>Rhizoctonia solani</i>	0.0	51
KX517891	Phosphoketolase	Carbohydrate metabolic process	<i>Cryptococcus gattii</i>	0.0	63
KX517892	Trehalose synthase	Carbohydrate metabolic process/stress response	<i>Cryptococcus neoformans</i>	0.0	56
KX517905	Glycoside hydrolase family 29 protein/alpha L fucosidase	Carbohydrate metabolic process	<i>Auricularia delicata</i>	6.6 E-28	40
KX517893	NADP-dependent alcohol dehydrogenase	Alcohol metabolism	<i>Gloeophyllum trabeum</i>	5.2 E-141	63
KX517894	Zinc type-alcohol dehydrogenase/butanediol dehydrogenase	Alcohol metabolism	<i>Punctularia strigosozonata</i>	0.0	70
KX517895	Coproporphyrinogen III oxidase	Heme biosynthetic process	<i>Gloeophyllum trabeum</i>	7.2 E-128	54
KX517896	Isochorismatase hydrolase	Siderophore group biosynthetic process	<i>Trametes versicolor</i>	5.1 E-56	50
KX517897	C-4 methyl sterol monooxygenase	Ergosterol biosynthetic process	<i>Rhizoctonia solani</i>	1.4 E-126	58
KX517898	G/T mismatch specific DNA glycosylase	DNA repair	<i>Gloeophyllum trabeum</i>	8.9 E-45	41
KX517899	Universal stress protein/ A family	Stress response	<i>Pseudozyma brasiliensis</i>	7.7 E-26	33
KX517900	S-adenosyl-L-methionine-dependent methyltransferase	Protein/Lipid/nucleic acid modification	<i>Punctularia strigosozonata</i>	2.0 E-40	39
KX517901	Metallo-hydrolase oxidoreductase	tRNA processing	<i>Fomitiporia mediterranea</i>	4.7 E-106	42

ID: accession number of the identified DEG