

Table S8. Gene family clustering of *T. koningiopsis* Z35 with other species is shown in the species clustering statistics table and the gene family clustering classification statistics.

Species	Genes_number	Family_number	Unique_families	Single_copy	Average_genes_per_family
<i>T. koningiopsis</i> Z35	11,192	9,299	7	3,303	1.18
<i>T. simmonsii</i>	13,111	9,953	7	3,303	1.23
<i>T. asperellum</i>	12,086	9,119	9	3,303	1.15
<i>T. citrinoviride</i>	8,948	7,903	1	3,303	1.09
<i>T. harzianum</i>	13,448	9,803	7	3,303	1.21
<i>F. oxysporum</i>	15,802	9,661	277	3,303	1.48
<i>M. anisopliae</i>	13,646	8,543	243	3,303	1.33
<i>P. foliicola</i>	13,330	8,634	125	3,303	1.39
<i>P. takamizusanense</i>	10,729	8,360	35	3,303	1.17
<i>T. thermophilus</i>	8,667	6,882	28	3,303	1.11