

Table 1S. The list of evaluated species in this study

Accession number	Species	Amino acids	Sections
Q2Y0V8*	<i>Trichoderma atroviride</i>	358	<i>Trichoderma</i>
A0A024HW81	<i>Trichoderma bissetii</i>	260	
A0A024HWC6	<i>Trichoderma bissetii</i>	253	
A0A024HWC2	<i>Trichoderma bissetii</i>	257	
A0A024HVI4	<i>Trichoderma citrinoviride</i>	265	<i>Longibrachiatum</i>
A0A024HVI7	<i>Trichoderma citrinoviride</i>	270	<i>Longibrachiatum</i>
A0A024HVI9	<i>Trichoderma citrinoviride</i>	205	<i>Longibrachiatum</i>
A0A024HVI1	<i>Trichoderma citrinoviride</i>	234	<i>Longibrachiatum</i>
G9FLF9	<i>Trichoderma ghanense</i>	228	<i>Longibrachiatum</i>
G9FLG2	<i>Trichoderma ghanense</i>	277	<i>Longibrachiatum</i>
G9FLG6	<i>Trichoderma ghanense</i>	277	<i>Longibrachiatum</i>
G9FLG8	<i>Trichoderma ghanense</i>	255	<i>Longibrachiatum</i>
A0A024HVS7	<i>Trichoderma harzianum</i>	269	<i>Harzianum and Virens</i>
A0A024HVV8	<i>Trichoderma harzianum</i>	266	<i>Harzianum and Virens</i>
A0A024HVT2	<i>Trichoderma harzianum</i>	268	<i>Harzianum and Virens</i>
D2DPP2	<i>Trichoderma lixii</i>	271	
D2DPQ6	<i>Trichoderma lixii</i>	273	
D2DPP3	<i>Trichoderma lixii</i>	271	
A0A024HWB8	<i>Trichoderma longibrachiatum</i>	254	<i>Longibrachiatum</i>
A0A024HVJ3	<i>Trichoderma longibrachiatum</i>	255	<i>Longibrachiatum</i>
A0A024HWB6	<i>Trichoderma longibrachiatum</i>	237	<i>Longibrachiatum</i>
A0A024HW54	<i>Trichoderma orientale</i>	273	
A0A024HVT7	<i>Trichoderma orientale</i>	288	
A0A024HVI2	<i>Trichoderma orientale</i>	265	
A0A024HW52	<i>Trichoderma orientale</i>	253	
B8X9T5	<i>Trichoderma parapiluliferum</i>	270	
G0ZPC0	<i>Trichoderma parapiluliferum</i>	275	
E5F5K9	<i>Trichoderma parareesei</i>	268	<i>Longibrachiatum</i>
E5F5L4	<i>Trichoderma parareesei</i>	268	<i>Longibrachiatum</i>
G9FLD8	<i>Trichoderma pseudokoningii</i>	228	
G9FLE0	<i>Trichoderma pseudokoningii</i>	255	
G9FLC5	<i>Trichoderma saturnisporum</i>	277	<i>Longibrachiatum</i>
E5F5N0	<i>Trichoderma saturnisporum</i>	124	<i>Longibrachiatum</i>
K4GF07	<i>Trichoderma strigosellum</i>	269	
K4GFZ8	<i>Trichoderma strigosellum</i>	268	
K4GDR2	<i>Trichoderma strigosum</i>	268	<i>Pachybasium</i>
K4GJC0	<i>Trichoderma strigosum</i>	267	<i>Pachybasium</i>
A0A0B5AEM8	<i>Trichoderma velutinum</i>	267	
A0A0B5AGS0	<i>Trichoderma velutinum</i>	271	
A0A0B5ABQ0	<i>Trichoderma viridescens</i>	282	
A0A0B5AFG4	<i>Trichoderma viridescens</i>	257	

* was used as the outgroup taxa

